

Position ID

E22-01

Position Title

Management and Program Analyst or Physical Scientist

Agency

NOAA; Oceanic and Atmospheric Research (OAR)

Office

Office of Research, Transition, and Application

Office Priorities

ORTA's mission is to accelerate the transition of research and development (R&D) at OAR and NOAA to operations, applications, commercialization, and other uses (R2X) to serve NOAA's mission and benefit the American people. UxSRTO supports innovative research and development (R&D) of uncrewed systems (UxS) concepts and technologies and transition those technologies into UxS operations to support NOAA's mission requirements of science, service, and stewardship to understand and predict changes in climate, weather, oceans and coasts to yield societal and economic benefits.

Portfolio Summary

The Fellow would support the Office of Research, Transition, and Application (ORTA) and the Uncrewed Systems Research Transition Office (UxSRTO) to advance innovative R&D and transition to use uncrewed systems to further NOAA's mission goals. Specific activities include:

- Support training and outreach development for NOAA's Uncrewed Systems Research Transition Office
- Analyze policies and their applicability to NOAA's use of uncrewed systems and components
- Support implementation of strategies to promulgate use of uncrewed systems within NOAA
- Support development and implementation of transition plans for NOAA-funded projects as needed

Additionally, the Fellow would be supported to achieve a Part 107 FAA Remote Pilot Certification to be able to better understand the challenges of R&D and testing of remote aircraft.

Day In the Life

The Fellow will work as part of a strong team working to advance R&D and transition to operations of uncrewed systems, both aerial and marine. This includes setting up reporting methodologies and tracking systems for existing and new projects supported by the office. The team also works to support other areas of ORTA, in particular, establishing a transition support function, including develop training materials and templates for transition plans.

Expertise Desired

Master's Level or higher in an environmental science or policy-related study area

Office Culture

ORTA is a newly established office within OAR and is assigned to oversee the UxSRTO and the Technology Partnerships Office (TPO). The Director's office also includes Transition Support. ORTA is a very diverse and inclusive workplace, and office leadership, both with the ORTA Director and leadership within UxSRTO and TPO, is supportive of mentoring students to help them achieve their full potential. ORTA's purpose is to serve all NOAA offices, and all members work as a team to support ORTA's mission.

Covid-19 Comments

At present, the office is following NOAA and Department of Commerce guidelines and is working at maximum telework until further notice. There is potential for mission critical travel and conference attendance with proof of vaccination.

Office Location

1315 East West Highway, SSMC3 (location pending), Silver Spring, MD

Travel within DC (days per month)

Primary office is located in Silver Spring, MD

Travel outside DC (days per month)

As needed

Primary Mentor

Bryan Cole, Deputy Director, Uncrewed Systems Research Transition Office

Hosted a Previous Fellow

Mentor: No, Office: No

Accepts Foreign Nationals

No

Position ID

E22-02

Position Title

Climate Change Analyst for the Gulf Coast Region

Agency

U.S. Department of Treasury

Office

Office of Gulf Coast Restoration (part of the Office of the Fiscal Assistant Secretary)

Office Priorities

The Department of Treasury's Office of Gulf Coast Restoration (OGCR) implements grant programs designed to restore the ecosystems and economy of the Gulf Coast. These programs were authorized by the Resources and Ecosystems Sustainability, Tourist Opportunities, and Revived Economies of the Gulf Coast States Act of 2012 (RESTORE Act), which Congress passed in the aftermath of the 2010 Deepwater Horizon Oil Spill, the worst offshore oil spill in U.S. history. As a result of the tragedy and the subsequent settlement of civil claims, Treasury works in partnership with the Gulf Coast Restoration Council, state governments, and local officials across the entire Gulf Coast to issue grants from a \$5.5 billion trust fund which are aimed at promoting economic development, performing environmental restoration, and securing the long-term sustainability of a region which is home tens of millions of Americans.

Our work related to climate change (which would be your portfolio) is increasingly high profile. In just the last month, we have been asked to brief the Assistant Secretary for Fiscal Operations, the National Economic Council, and the Department of Treasury's climate czar on our climate change work.

Portfolio Summary

This position is a critical position that will put OGCR in the forefront of Treasury's response to President Biden's call for a "whole of government approach" to combat climate change. The Fellow will report directly to the Program Director, RESTORE Act, and work with a small team passionate about improving the ecosystem and quality of life in the Gulf Coast. The Fellow will also have the opportunity to engage frequently with our counterparts at the RESTORE Council, NOAA, and other federal agencies, as well as with our recipients: 5 Gulf Coast states, 23 Louisiana parishes, 20 Florida counties, and 5 universities/university consortia.

In addition to assisting with the management and administration of RESTORE awards, the Fellow will develop a unique portfolio with a focus on assisting OGCR and its grant recipients with identifying, assessing, planning for, and mitigating the expected impact of climate change and all of its manifestations—including sea level rise, coastal erosion, and the increased frequency and severity of hurricanes, floods, and other severe weather events—on current or future Treasury RESTORE Act-funded projects, to include construction projects in coastal zones, dune restoration, estuary restoration, and projects to restore the health of fisheries and marine ecosystems.

Day In the Life

There is no typical day as this position encompasses a wide range of mission-critical tasks and offers the ability to carve out and even shape a unique portfolio of high-profile climate work. We anticipate the Fellow's work will include, but not be limited to:

- Serving as an in-house subject matter expert to Treasury OGCR on the impacts of climate change in coastal areas, including sea level rise, coastal erosion, and improving coastal resilience;
- Serving as a liaison to other federal, state, and local partners on initiatives related to assessing and mitigating climate change, and sharing knowledge across the federal community on the RESTORE Act and other federal programs designed to combat or mitigate the impact of climate change and/or improve the ecosystems or economy of the Gulf Coast Region;
- Creating a framework for Treasury RESTORE Act recipients to self-assess and forecast the impact of climate change, sea level rise, coastal erosion, and severe weather events on their coastal regions ("climate change and related risks");
- Facilitating virtual and in-person training and workshops to Treasury RESTORE Act recipients on assessing and forecasting climate change and related risks, particularly in the context of identifying and prioritizing projects for the Multiyear Implementation Plans required for Treasury Direct Component funding, and in the context of determining the site selection for Treasury-funded projects and incorporating cost-effective design practices to mitigate the impact of climate change and related risks;
- Assisting with the initial review and preparation of materials for Treasury's Best Available Science reviews;
- Creating worksheets/tools/calculators so that Treasury RESTORE Act recipients can assess the cost-benefit of various project alternatives to withstand different categories of hurricanes and other extreme weather events, and/or project alternatives to arrest or mitigate coastal erosion;
- Creating a "library" of best practices that Treasury RESTORE Act recipients have taken with respect to assessing and mitigating climate change and related risks, to be used as a resource for other RESTORE Act recipients; and
- As directed by Treasury OGCR, consulting with Treasury RESTORE Act recipients on any and all of the above.

Expertise Desired

OGCR seeks a Fellow with applied research experience related to quantifying and/or mitigating the impact of climate change, sea level rise, coastal erosion, and/or extreme weather events. Ideally, the Fellow will have some experience developing or conducting training or translating research or technical concepts into actionable guidance and advice to non-scientific, diverse groups. The Fellow must be a self-starter with strong interpersonal skills who is comfortable working independently and with teams; time management and organizational abilities are imperative.

Office Culture

Come be part of our team! We're a small, dynamic team that values innovation, data-driven decision making, collaboration, and continuous learning. Our Program Director has created a relatively flat organizational structure, with proactive suggestions from all staff members encouraged and sought after. As just one way we put this in practice, we have biweekly, 90-minute Strategy & Brainstorming

meetings to brainstorm potential solutions to pressing issues. Past discussions have ranged from how to streamline our grants processes and shorten award times, to how to implement the President's climate change Executive Order, to how to automate manually generated reports.

We also highly value customer service. We are in a continuous dialogue with our recipients and, because our 48 recipients are specified in the statute and do not change over time, develop deep, long-term relationships with our recipients. We see this Sea Grant Fellowship as a way to build upon our commitment to customer service by offering our recipients best-in-class free "consulting" and technical assistance to consider the future impacts of climate change on project selection, design, and siting. Finally, while we're serious about our mission, we also like to have fun. While that has been somewhat of a challenge during COVID, we have tried to maintain the human connection/fun factor by opting for video calls, celebrating birthdays and other life events virtually, and welcoming new team members by playing "Two Truths and a Lie." (And we learned some amazing things about our team members: it turns out our team includes a former semi-pro cello player, a college thespian, a marathoner, someone who drafted a treaty with Panama, someone who attended a NASA launch as a Congressman's personal guest, a mystery writer, and a former regular panelist on a talk radio show.)

As we return to the office, we are looking to increase opportunities for networking, professional development, and socializing, both within and outside our office.

Covid-19 Comments

As of August 2021, we are in a maximum telework posture due to COVID-19. However, this will likely change by February 2022. Even so, we anticipate greater telework flexibility when we return to the office. However, we do expect the Fellow to be in DC and be available for in-person work.

Office Location

1801 L Street, NW, Washington, DC

Travel within DC (days per month)

1-5

Travel outside DC (days per month)

1-5

Primary Mentor

Maureen Klovers, Program Director, Office of Gulf Coast Restoration

Hosted a Previous Fellow

Mentor: No, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-03

Position Title

Ocean Decade Policy Assistant

Agency

NOAA; Oceanic and Atmospheric Research (OAR)

Office

OAR Office of the Assistant Administrator

Office Priorities

The National Science and Technology Council (NSTC) recognizes NOAA as the action owner for the deliverable "Coordinate interagency planning for the Decade of Ocean Science" articulated in the 2021 Subcommittee on Ocean Science and Technology (SOST) Work Plan; the Decade was also highlighted in the Presidential Declaration of National Ocean Month (June 2021).

The UN Decade presents a tremendous opportunity for NOAA to advance our mission with more partners than ever before, and to achieve our domestic and foreign science policy goals, leveraging global expertise, platforms, data, and funding to address global and national ocean, climate and sustainable development challenges. It is the goal of this office to maximize NOAA's leadership and impact throughout the Decade.

Portfolio Summary

The UN Decade of Ocean Science for Sustainable Development (2021-2030, hereinafter UN Decade) presents an opportunity to promote the application of science in achieving sustainable use of our Great Lakes, ocean and coastal resources. The Decade Roadmap (June 2018) and Implementation Plan (January 2021) defined global objectives that complement NOAA's mission, NOAA Research Council science strategies, and the goals of the NSTC/SOST Decadal Vision for Ocean Science and Technology. Further, our National Ocean Policy clearly notes the value of the ocean relative to the "economy, security, global competitiveness, and well-being of the United States," an idea core to the origin of the UN Decade.

We are seeking a fellow to support the growing portfolio of Decade-related initiatives of the Assistant Administrator for NOAA Research (Craig McLean), who is also a member of the Decade Advisory Board. Such efforts will require vigorous networking and routine coordination and collaboration across NOAA and with the US public and private sectors -- not only to identify relevant initiatives and partnerships, but also to ensure public understanding of the value of such efforts to the US economy. Fellow would work directly with both the OAR Senior Advisor and the US National Committee for the Decade to further develop and implement a US engagement strategy for the Decade, which includes participation in the annual meetings of several major domestic science and technology professional societies.

Day In the Life

Since 2019, OAR has developed and led a NOAA-Decade thinktank (now a Task Force of the NOAA Ocean and Coastal Council, NOCC) to mobilize subject matter experts across NOAA to contribute to and influence U.S. Government (USG) Decade engagement. Membership includes specialists in international affairs, policy, communications, economics, education, congressional affairs, as well as Regional Collaborators.

A typical day involves networking within NOAA and other federal agencies, American NGOs and international organizations; facilitating town halls at major conferences; preparing and delivering presentations to solicit/highlight U.S. Decade actions; advising the AA of NOAA Research.

Expertise Desired

A team player with sound oral and written communication skills, organizational skills, creativity and a positive attitude.

Office Culture

OAR prioritizes the safety of its workforce as much as it does the integrity of its science and services. Individual development is crucial to NOAA's mission success.

Covid-19 Comments

Maximum flexibility as allowed by the agency.

Office Location

SSMC3 - Ste 11412

Travel within DC (days per month)

5-7 (pre-COVID)

Travel outside DC (days per month)

5-7(pre-COVID)

Primary Mentor

Liz Tirpak, Senior Advisor, Policy and Partnerships

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-04

Position Title

International Activities Fellow

Agency

NOAA; Oceanic and Atmospheric Research (OAR)

Office

International Activities Office

Office Priorities

- Supporting the planning and preparations for the UN Decade of Ocean Science for Sustainable Development and the coordination and implementation of the the US-EU-Canada Galway Statement on Atlantic Ocean Cooperation and the engagement of the US in the All-Atlantic Ocean Research Alliance currently under development;
- Leading and supporting programmatic matters involving bilateral environmental science and research activities select European countries and others as opportunities arise;
- Developing a discipline area that meets the interests and professional development goals of the fellow;
- Representing OAR/NOAA/US program interests and positions at interagency and international Meetings;
- Providing presentations (generally non-technical) on OAR research programs and interests at formal and informal international meetings;
- Reviewing, analyzing and synthesizing information from a variety of sources into reports, correspondence, strategic and other documents for review by OAR senior management;
- Preparing briefing materials, position papers, and talking points for OAR and NOAA senior leadership in support of their participation in international meetings;
- Providing completed staff work on all substantive and logistical preparations/plans and follow up for international meetings and events that OAR participates in;
- Networking/liaising with relevant representatives from the national and international science/policy community, international organizations, and embassies;
- Sharing/coordinating information throughout NOAA, as well as with the national and international counterparts community to advance NOAA priorities in oceanic, atmospheric and climate research;
- The Fellow will report to Rene Eppi, Director of the OAR International Activities Office, but will work closely with other IA staff members.

Portfolio Summary

Located in NOAA's Oceanic and Atmospheric Research (OAR) headquarter office in Silver Spring, Maryland, the International Activities Office (IA) serves as the focal point and principal staff office to the OAR Assistant Administrator (AA) on international policy and science program matters, facilitates international collaboration and partnerships, serves as an interface between the policy and research

community, and works with OAR Senior Leadership, laboratories, divisions, programs and NOAA headquarters to identify and act on the international science needs in OAR, NOAA and the US.

Day In the Life

The Fellow will be serving in a High Level position in the OAR International Activities Office (IA). Each day is variable in our office, but they almost always involve a lot of written communication within OAR and more broadly with NOAA. IA serves as the focal point and principal staff office to the OAR Assistant Administrator (AA) and Deputy AAs on international policy and science program matters; this often involves fielding email requests for information from other parts of NOAA, OAR leadership, or other agencies. It can also include preparing written activities summaries, or giving presentations and briefings on the information relevant to your portfolio.

IA facilitates international collaboration and partnerships, bilaterally and multilaterally. On any given day you might prepare agendas and talking points for a meeting with our partners, or participating in these meetings yourself. IA will also work directly with laboratories and programs to identify and support international cooperation to meet science needs in OAR, NOAA and the US.

Once travel is once again permitted, the Fellow will be expected to travel domestically or internationally for periods of several days to a week (and rarely longer) in length. Work days during travel are typically busier and include extended hours, but also include opportunities to participate in a number of social functions as well.

Expectations are high and so is support, both from leadership and the IA team. Strong communication is valued and expected in order to work as a cohesive unit. The office is very team-oriented and supportive. The Fellow will also be encouraged to identify and dig into a specific project or activity of interest, so there will be days where these projects or activities will be your focus.

Expertise Desired

Background in environmental policy or research. International experience and ability to communicate in another language is welcomed, but not required. Incumbent will be required to work in a fast-paced office environment, should be able to juggle multiple priorities at one time, work well in team setting, possess strong communication skills (both orally and in writing) to carry out assignments, and able to effectively interact with a broad range of professionals and agencies both domestically and overseas.

Office Culture

IA operates at a 30,000 foot level and interacts with other NOAA line offices and agencies. Day-to-day work can vary quite a bit but usually involves meetings with NOAA colleagues/other agencies, written communication (ie. emails, preparing briefings/reports, responding to taskers), and reviewing and synthesizing information (for briefings, taskers, international meeting preparation). Fellows can expect to be engaged in programmatic support early and often regarding bilateral and multilateral agreements, as well as building relationships with international partners.

Covid-19 Comments

Full TW, currently reviewing re-entry per NOAA guidelines

Office Location

SSMC Building 3, 11th Floor

Travel within DC (days per month)

1-3

Travel outside DC (days per month)

0-6

Primary Mentor

Rene Eppi, Director

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-05

Position Title

Congressional Affairs Fellow

Agency

NOAA; Headquarters Office

Office

Office of Legislative and Intergovernmental Affairs

Office Priorities

When there's news about significant coastal, ocean, or weather issues, you can be sure that NOAA is involved—and that Congress will want to know what the Agency is doing. As the Congressional Affairs Fellow at NOAA's Office of Legislative and Intergovernmental Affairs (OLIA), you will personally help communicate NOAA's mission to Members of Congress and their staff in an effective and consistent manner during Congressional Hearings, meetings with individual Members or Committees, and daily phone calls and emails from Congressional staff. At OLIA, you would join the dialogue on cutting-edge issues that drive the budget and political cycles— hurricane response and recovery efforts, the state of U.S. aquaculture development, National Marine Sanctuary expansions, and more. You will need to bring patience, drive, and excellent communication skills to this position as you interact with NOAA's Headquarters, Program Offices, and Congress.

Portfolio Summary

You can expect:

- Close mentoring with NOAA's experts on Congressional engagement;
- Contact with NOAA's senior leadership, programmatic experts, and regional personnel;
- Strategic and tactical responsibility on the teams that build NOAA's interface with Congress and key stakeholders;
- You will be viewed as a full team member in the office, and as you gain experience throughout the year, you will have an ability to branch off to focus on particular issues important to NOAA, Congress, and your own interests;

Your Potential Portfolio:

- Rollout the NOAA FY23 budget to Congress
- Educate Congress about NOAA's Office of Education
- Assist NOAA line offices in preparing hearing testimony and for briefings
- Support NOAA's Tribal Liaison on the Tribal Team
- Coordinating Congressional engagement for NOAA's Arctic Action Team
- Facilitate NOAA in the Caribbean Team efforts
- Represent OLIA on NOAA's Regional Collaboration Team
- You have the opportunity to work more closely with individual line offices (e.g., the National Environmental Satellite, Data, and Information Service, Office of Oceanic and Atmospheric

Research, National Weather Service, National Marine Fisheries Service, etc.) depending on your interests and OLIA's needs.

Day In the Life

A typical day might feature any – or all! – of the following:

- Orchestrating an interaction between the NOAA Administrator and Members of Congress and their staff;
- Responding to congressional inquiries on NOAA issues in a timely and responsible manner (including inquiries from Legislative Knauss fellows);
- Meeting with Congressional staff to share positions, find common ground, and negotiate a cooperative path forward;
- Working with NOAA (and other Agency staff) to develop Administration legislative language for various ocean, coastal, and atmospheric initiatives.
- These tasks will help you refine your ability to handle multiple issues simultaneously and gain firsthand knowledge about the interplay between legislative and executive branches.

Expertise Desired

- Strong oral communication skills, including comfort speaking in front of groups
- Strong written communication skills, including excellent editing skills
- Comfort working with diverse constituent groups
- Excellent organizational skills and ability to multi-task
- Broad environmental or marine science knowledge is helpful but not necessary

Office Culture

OLIA is a smart, impactful, high-functioning, fun-loving, mutually respectful office in which every voice matters and all ideas are encouraged to be brought forward...and from time to time we play fun games and go on cool excursions.

Covid-19 Comments

The entire office is teleworking. We are taking all NOAA meetings and Hill briefings online, using google meets and phone calls.

Office Location

HCHB, 1401 Constitution Ave. NW, Washington, DC 20230

Travel within DC (days per month)

4-7 Days/Month, frequent travel to the Hill

Travel outside DC (days per month)

Infrequent/Variable

Primary Mentor

Tanya Dobrzynski, Deputy Director, OLIA

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-06

Position Title

Science, Policy, and Communications Fellow

Agency

Marine Mammal Commission

Office**Office Priorities**

The Marine Mammal Commission is an independent government agency charged by the Marine Mammal Protection Act to further the conservation of marine mammals and their environment. We work to ensure that marine mammal populations are restored and maintained as functioning elements of healthy marine ecosystems in the world's oceans. We meet our mission by providing independent, science-based oversight of domestic and international policies and actions of federal agencies addressing human impacts on marine mammals and their ecosystems. Our role is unique—we are the only government entity in the United States that provides comprehensive oversight of all science, policy, and management actions impacting marine mammals.

Because of our independent nature, we are on the cutting edge of marine science and conservation. We are in a unique position to effect the evolution of policy decisions and help develop consensus among competing interests on the most controversial issues surrounding marine mammal conservation. We respond quickly to emerging issues, without the bureaucracy and procedural roadblocks that sometimes impede larger agencies. At the same time, being a small agency with a big mission means our staff must be flexible and informed on all aspects of the Commission's business.

Portfolio Summary

We seek a Sea Grant Fellow who is willing to be part of our dynamic team and assume a level of responsibility equivalent to an employee. As a Fellow at the Marine Mammal Commission (Commission), you will gain exposure to a broad range of issues and be given the flexibility to become involved in projects of interest to you. You will have the opportunity to learn about and attend meetings regarding marine mammals and the challenges they face from fisheries, climate change, offshore energy development, vessel strike and disturbance, disease, pollutants, and more. You will also gain leadership, policy, legislative and communication skills. You will create or contribute to valuable written reports, including reports to Congress and the White House that are used to guide conservation efforts. You will directly interact with our senior leadership, our presidentially-appointed Commissioners, our Committee of Scientific Advisors, staff from other federal agencies, Congressional staff, and representatives of nongovernmental organizations on a variety of critical marine conservation issues. We are committed to you leaving the fellowship with a large network of contacts in the marine conservation community and a greater understanding of and appreciation for marine conservation issues on a global scale. Since we are a small agency, you will also have the opportunity to gain exposure to the federal budget process, strategic planning, and agency response to executive orders. We are able to pay for some of your travel if pertinent to your responsibilities—and as pandemic travel restrictions are lifted.

A general list of potential Fellow project ideas is provided below. Final projects and responsibilities will be determined based on your experience and interests.

Support Commission's Strategic Objectives:

- Assist with analyzing agency actions under the Marine Mammal Protection Act and Endangered Species Act, developing Commission recommendations and drafting comment letters.
- Review Stock Assessment Reports (SARs) generated by NOAA and FWS.
- Help organize and participate in the 2022 Commission Annual Meeting. This includes managing logistics of various speakers/panels, preparing summary notes of discussions and following up on action items.
- Serve as an author of the Commission's quarterly electronic newsletter and assist with developing content for the Commission's website and twitter account.

Support Commission's Legislative Affairs Agenda:

- Schedule and attend Congressional briefings and help prepare Commission leadership and staff for interactions with Congress. Develop briefing summaries and keep track of Congressional requests.
- Organize an annual "Commission 101" with 2022 Knauss Legislative Fellows on Capitol Hill.
- Support preparations for the Commission's participation in Capitol Hill Oceans Week (CHOW): provide general support for our participation in seminars, establish CHOW schedule, coordinate preparation of background documents, and prepare summaries of events.
- Co-lead the agency's Congressional outreach associated with the 50th anniversary of the Commission and Marine Mammal Protection Act, which may include Congressional briefings, hearings, receptions and/or district visits.

Support Commission's Scientific Program Directives:

- Help review funding proposals for the Commission's research grants program.
- Aid the Scientific Program Director on various working groups (both national and international) related to broad ocean science and policy.
- Assist with the analyses of the annual Survey of Federally Funded Marine Mammal Research, used to inform Congress and to identify gaps and overlap in research that could be met or enhanced by interagency coordination.

Opportunity for a Special Project:

- Support or lead the Commission's participation in efforts to celebrate the 50th anniversary of the Marine Mammal Protection Act. The 2022 Knauss fellow will work with Commission leadership, Fish and Wildlife Service, and the NOAA planning committee to execute events, materials, and partnerships relevant to the anniversary.
- Select a marine mammal topic of particular interest to you that is relevant to the Marine Mammal Commission and prepare a report or an article suitable for submission to a scientific journal. Guidance and oversight by Commission staff will be provided based on the topic selected. Your topic could be related to science, policy, or law – or some combination.
- Other project ideas include: addressing marine mammal bycatch in small-scale coastal gillnet fisheries; policy options to address cumulative impacts of sound on marine mammal populations; long-term policy strategies for conservation of domestic and/or foreign species (e.g., the vaquita, Cook Inlet belugas, North Atlantic right whales, freshwater cetaceans); or communication/education-outreach strategies for managing public perception of recovering

protected species (e.g., east coast gray seals and white sharks or west coast pinnipeds and salmon).

Day In the Life

The independent, interagency nature of the Commission can make the fellow's experience varied, applied, and relevant to their interests. Depending on a future fellow's interests, our office can provide high-level "30,000 foot", ground-level, or, realistically, a combination of perspectives on marine mammal and marine ecosystem issues. In a single week, a fellow might engage with interagency leadership at a meeting, (ex. Interagency Arctic Research Policy Committee), head to the Hill for briefings with congressional staff, and discuss the impacts of climate change on marine mammals in the context of adapting management approaches.

Expertise Desired

Mandatory Skills: Strong oral and written communication skills, including editing skills. Strong organizational skills and ability to take initiative and lead projects. You must work well both independently and in a team environment.

Desired Background Skills: Familiarity with science, policy and/or management issues related to marine mammals and/or their environment is a plus, but not required.

Office Culture

We are a small agency made up of substantive experts on marine mammal science, policy, communications, congressional affairs, and law, with a strong administrative team. While each has their area of expertise, we work closely together on a collaborative basis and meet frequently in various subsets to develop positions, recommendations, and strategies to meet our agency objectives. Our collaborative culture is reflected in our communications, outreach, and meetings with other agencies and groups which are handled according to drawing on needed expertise and achieving effectiveness rather than maintaining a hierarchical approach. In addition to our workplace priorities of collaboration, maximizing our effectiveness, and our collective passion for conserving marine mammals and their ecosystems, social connection is also valued by our team and is something we actively strive to maintain, especially while we are all working remotely.

Covid-19 Comments

While the Commission will continue to maintain a precautionary stance, it is our hope that during the 2022 Fellowship year, conditions will evolve to allow at least a partial return of staff to the office, and, if so, that the prospective Fellow would be able to participate in this return. The Commission has a preference that the Knauss fellow relocates to the Washington, D.C. region sometime during their fellowship. As of September 2021, the Marine Mammal Commission is in maximum telework status with the majority of staff working remotely. Under the Commission's established protocols for re-opening (available upon request), no employee (or contractor or Fellow) shall be required to enter the physical premises. Currently, access to onsite premises is on a voluntary basis and only available with prior approval. Staff access to the office premises is generally limited according to pre-arranged schedules and completion of a pre-screening questionnaire on the day of entry. Once in the office, specific protocols, drawn from CDC and other guidance, are in place regarding face covering, social distancing, and other measures, to ensure employee safety. The Marine Mammal Commission will continue to

follow State of Maryland, Montgomery County, and all Federal requirements and guidance with respect to any further re-opening.

Office Location

Bethesda, MD

Travel within DC (days per month)

3-5 within DC

Travel outside DC (days per month)

1/3 outside DC

Primary Mentor

Peter Thomas, Executive Director

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-07

Position Title

Ocean and Coastal Policy Analyst

Agency

NOAA; National Ocean Service (NOS)

Office

National Ocean Service Front Office

Office Priorities

The NOS Policy and Constituent Affairs Division is a small, highly motivated group that develops outreach strategies and supports NOS leadership's external engagements, including congressional hearings and responses to congressional, White House and other inquiries. We develop and conduct analysis of legislation and other policy proposals with a focus on the resilience of coastal communities, economies and ecosystems. We are committed to providing a diverse and meaningful experience that advances NOS missions while accommodating the interests of the Fellow. Glenn Boledovich is the NOS Policy Director and chief of the Policy and Constituent Affairs Division.

Portfolio Summary

We need the best minds -- your mind -- to join the dynamic policy team in the headquarters of NOAA's National Ocean Service (NOS), where you will assist NOS leadership and programs in addressing complex coastal challenges and supporting our engagements with Congress, the White House, other federal and state agencies, and constituents. The Fellow will support our engagement with the White House on National Ocean Policy and with NOAA's Ocean and Coastal Council. The Fellow will have opportunities to organize and support activities at conferences, including Capitol Hill Oceans Week. The fellow will be our "go to" person for managing incoming requests from Congress, the White House, and external organizations. This position will provide a broad perspective on how NOAA programs fit into broader ocean and coastal policy discussions and activities.

Coastal communities are facing unprecedented changes and challenges ranging from more severe storms and sea level rise to oil spills and harmful algal blooms. The National Ocean Service (NOS) is one of NOAA's major branches and houses the agency's most diverse ocean and coastal missions and programs. Because of our broad portfolio, we are open to developing a portfolio to accommodate a Fellow's interests. NOS programs include Coastal Zone Management, National Marine Sanctuaries, Marine Protected Areas, National Estuarine Research Reserves, coral reef conservation, coastal resiliency and adaptation planning, oil spill response, marine debris, harmful algal blooms and hypoxia, and ocean and coastal science. NOS is also the nation's provider of core land and coastal data and services, including the Nation's nautical charts, spatial reference system, water level observation network, shoreline mapping program and related geospatial and real time observations, such as Digital Coast and the Integrated Ocean Observing System.

Day In the Life

Day-to-day activities range from rapid response to "hot issues" and requests for information to formulating and implementing longer term strategies. Engagements with a range of senior level NOS, NOAA and interagency officials is the norm. This includes providing staff support to senior leadership and serving as our representative on several NOAA and interagency working groups. Gathering data from diverse sources, drafting policy positions and briefing senior leaders are fundamental functions.

Expertise Desired

This is an excellent position for all Fellows, including those with a mostly science background that are seeking an opportunity to delve into the Federal policy arena.

Candidates should have good organizational as well as strong oral and written communications skills. Being a good team player with a sense of humor is a must.

Office Culture

The NOS policy team embraces fundamental principles of diversity, equity and inclusion and employs a collaborative and mutually supportive work environment where staff are empowered to excel. As a "policy shop" we welcome a diversity of views and perspectives on approaches to achieve the overarching goal of improved ocean and coastal resilience in the face of change.

Covid-19 Comments

We remain in a fulltime telework posture at this time.

Office Location

Silver Spring, Maryland

Travel within DC (days per month)

Five or more days per month

Travel outside DC (days per month)

Depending on Covid, 2-3 trips per year

Primary Mentor

Glenn Boledovich, NOS Policy Director

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-08

Position Title

Arctic and Science Advisor

Agency

U.S. Department of Transportation

Office

U.S. Committee on the Marine Transportation System (CMTS)

Office Priorities

Our priority has always been to promote and support a unity of effort within a large number of issue areas to improve the MTS through interagency research, investigation, and policy coordination. Areas include: Arctic; Resilience; Data: navigation services; innovative science and technologies; impacts from COVID-19; supply chain and infrastructure; environmental sustainability; and enhanced diversity within the maritime-related agencies and MTS. We are a well-established interagency policy coordinating committee who serves our 25+ member agencies and offices with over 15 years of success.

Portfolio Summary

This unique full-time position provides important professional expertise within the Executive Secretariat of the US Committee on the Marine Transportation System. (www.cmts.gov). [2022 fellowship would be the 10th fellow with the CMTS!]. The CMTS is an interdepartmental/interagency maritime policy coordinating committee directed in statute to report on the state of the marine transportation system (MTS), coordinate maritime transportation policy, and align maritime transportation with other modes of transportation and the environment. You will be the professional staff lead with interagency initiatives related to the U.S. Arctic, related technology and innovative science, and ocean and coastal policy, as well as specialized CMTS projects appropriate to the Fellow's expertise and interests. Opportunity to delve into new and emerging issues. This position provides an extraordinary opportunity to work and network with professionals from 25+ Federal Departments and agencies (including NOAA; U.S. Coast Guard; U.S. Army Corps of Engineers; Departments of Energy and Interior; EPA) and White House offices (including Office of Science and Technology Policy; Ocean Policy Committee; Council on Environmental Quality) to enhance Federal interagency policy development for the MTS. Working under the direct supervision of the Executive Director (Knauss Fellow '83) and senior staff, the Fellow will have an opportunity to draft, propose, and recommend actions that affect high-level Federal Government policy. The Fellow will have direct responsibility to manage 1-2 big projects and support CMTS operations. The Fellow will be encouraged to observe and report on Congressional hearings and briefings, attend high and mid-level policy meetings and industry activities, as appropriate. Pursuant to pandemic, you won't be stuck in your cubicle! The knowledge gained from the experience will provide foundational skills and expertise which may assist in acquiring further employment in government and the private sector. The position is located at the Department of Transportation, a Gold LEED state-of-the-art Federal office building in SE Washington, across the street from the Navy Yard Metro station,

and located a short distance to the U.S. Capitol, Nationals Stadium, Eastern Market, and the new SW "Wharf" Waterfront.

Day In the Life

The Fellow will be treated as an equal professional in the office and prepared to step into their assignments almost immediately (albeit with guidance from senior staff), "Staffing" the integrated action team on Arctic maritime transportation and on innovative science and technology, the Fellow will have regular contact with the agency SME "leads" for those teams, develop and execute meetings, shepherd the respective work plans including publications, etc. The Fellow will compile and distribute the bi-weekly "MTS Notes," a collection of federal MTS-related agency activities; join outside meetings and hearings. The Fellow should feel comfortable with handling a few new or emerging issues as they arise. For example, the 2021 Fellow is managing the development of national guidance related to the discovery of unexploded ordinances by offshore wind developers.

Expertise Desired

Working knowledge of Microsoft Office applications including WORD, Excel, Power Point and Outlook, experience in video conferencing. Good communication and people skills, including the ability to lead teams in a collaborative and productive manner. Ability to do research and write papers and background briefs both independently and within a team for high-level Federal Government officials. Enthusiastic interest to learn more about the maritime transportation nexus with the marine and coastal environments, expand your knowledge of government processes, policy development, and lead interagency teams.

Office Culture

Professional, collaborative, supportive, friendly, strong mentorships, clear direction, engaged, open to new ideas/processes. Feel we make a difference.

Covid-19 Comments

Ability to be in the office where comfortable under pandemic but telework option available.

Office Location

1200 New Jersey Avenue, SE, Washington, DC 20590

Travel within DC (days per month)

2 or more subject to pandemic restrictions.

Travel outside DC (days per month)

As mutually agreed upon by fellow and supervisor, pursuant to funding and pandemic.

Primary Mentor

Helen Brohl, Executive Director

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-09

Position Title

Knauss Ecosystem Indicators Fellow

Agency

NOAA; National Ocean Service (NOS)

Office

Office of National Marine Sanctuaries

Office Priorities

The focus of NOAA's Ecosystem Knauss Fellow would be the integration of information generated by NOAA and its partners to assess ecosystem conditions in U.S. waters. The host office will be the Office of National Marine Sanctuaries, but the fellow will be co-mentored by individuals from NOAA's Integrated Ecosystem Assessment program and the National Center for Environmental Information, and work closely with other offices. The Office of National Marine Sanctuaries serves as the trustee for a network of underwater parks encompassing more than 600,000 square miles of marine and Great Lakes waters from Washington state to the Florida Keys, and from Lake Huron to American Samoa. The network includes a system of 15 national marine sanctuaries and Papahānaumokuākea and Rose Atoll marine national monuments. The NOAA Integrated Ecosystem Assessment (IEA) Program is a NOAA-wide initiative that oversees the direction and execution of Integrated Ecosystem Assessments to inform Ecosystem Based Management (EBM) within the United States' ocean and coastal ecosystems. NOAA's National Centers for Environmental Information (NCEI) hosts and provides public access to one of the most significant archives of environmental data on Earth. NCEI preserves, analyzes, and provides access to over 37 petabytes of comprehensive atmospheric, coastal, oceanic, and geophysical data.

Portfolio Summary

The primary responsibility (~50% of the fellow's time) will be as project manager for the Ecosystem Indicator Working Group, which is a working group of NOAA's Science Council. It has designed, and operates the National Marine Ecosystem Status (NaMES) website (<https://ecowatch.noaa.gov/>). The effort involves coordination across NOAA offices and is led by NOAA's Chief Ecosystem Scientist. NCEI will provide all training required to edit and upload content to the site; the fellow will work with the Ecosystem Indicator Working Group to operate, update, and improve the site. The fellow should also work with the EIWG to seek opportunities to promote the site to stakeholders, including developing materials (written descriptions, videos, etc.) to do these promotions. The fellow may incorporate their own ideas to improve the site and the utility of its information.

Other responsibilities (~50% of the fellow's time) include coordinating the application and customization of NOAA's ecosystem data from this website to various programs across NOAA that have specific needs for information on the status and trends of ecosystem indicators. This work would support needs that range across each of NOAA's Line Office initiatives to individual programs, so there will be many opportunities to work with a variety of NOAA offices at several levels. Examples of services that this effort may support include the production of condition reports for national marine sanctuaries, the

development of regional ecosystem status reports for the Integrated Ecosystem Assessment (IEA) Program, and product development in association with the Marine Biodiversity Observation Network (MBON). The focus of this effort can be determined in discussion with the host offices and based on the expertise and interests of the fellow.

Together, the work positions NOAA to provide the public with up-to-date data and assessments of the nation's marine ecosystems and the wide variety of management areas and responsibilities it has.

Specific Activities:

Project Manager of the Ecosystem Indicator Working Group (~50% of time)

1. Work closely with NOAA Chief Ecosystem Scientist to lead the Ecosystem Indicator Working Group efforts. This includes scheduling and running regular meetings, recording minutes, and distributing action items from the meetings and tracking their completion
2. Coordinate updating and promotion of the NaMES website
3. Work closely with NCEI office to upload data onto the site

Other responsibilities (~50% of the time)

1. Help promote the use and standardization of indicators, condition reports, and Ecosystem Status Reports compiled by NOAA's Office of National Marine Sanctuaries and Integrated Ecosystem Assessment programs
2. Coordinate indicator use and associated products and tools in national marine sanctuaries for conducting resource and ecosystem assessments, particularly in support of sanctuary condition reports
3. Ensure that partner programs are aware of sanctuary program needs so these needs can be considered in the development of products of NOAA programs and partners, including the IEA (e.g., regional reports), Integrated Ocean Observing System and its regional associations (e.g., regional data portals), Ocean Acidification Program (Ocean Acidification Data Stewardship Project), Climate Program Office, Office of Coastal Management (Digital Coast), National Environmental Satellite, Data and Information Service (CoastWatch/OceanWatch), and MBON (U.S. MBON Data Portal)
4. Promote collaboration between programs and interoperability across assessment products mentioned above

Day In the Life

Some projects the fellow will work on integrate program-level work (ecosystem assessments), but there will be detailed work needed to accomplish this integration, and a number of projects will be conducted with working groups and subject matter experts. The work will help evaluate program performance linked to specific mandates, such as ecosystem protection in marine sanctuaries, while others combine information to support assessments of large marine ecosystems. The fellow can expect a variety of project management approaches, ranging from individual to team approaches, close mentorship and support for professional development, and connections with NOAA field and headquarters staff across numerous disciplines and offices including the National Marine Sanctuaries, NOAA Fisheries Office of Science and Technology, the National Centers for Environmental Information, the NOAA Fisheries Chief Ecosystem Scientist, and more.

Expertise Desired

- A creative team player with sound oral and written communications skills, organizational skills, and a good sense of humor
- An understanding of the multidisciplinary aspects of ecosystems and the need to integrate information across disciplines to assess them
- Experience updating dynamic websites (e.g., automated quality assurance and data updating) is desirable, but not required

Office Culture

Mentor styles within all the offices that the fellow can expect to work tend to be casual and informal, and leadership generally involves regular check-ins (e.g. bi-weekly) and on request. All follow similar guidance, values, and principals with regard to scientific integrity, as well as diversity and inclusion. The offices typically encourage and engage in collaboration, and support each other's goals.

Covid-19 Comments

Most offices plan to continue telework until individuals feel safe enough to return to office work. Much of the work on this fellowship can be accomplished remotely, if that is necessary.

Office Location

In transition (it will be SSMC-4, 10th floor)

Travel within DC (days per month)

2-4

Travel outside DC (days per month)

1-2

Primary Mentor

Dr. Steve Gittings, Chief Scientist, Office of National Marine Sanctuaries

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-10

Position Title

Fisheries Science and Management Specialist

Agency

NOAA; National Marine Fisheries Service (NMFS)

Office

Office of Science and Technology

Office Priorities

This Fellowship opportunity is based in the NOAA Fisheries Office of Science and Technology's National Stock Assessment Program (NSAP). The Office of Science and Technology (OST) advocates for and ensures a sound scientific basis for NOAA Fisheries science programs and resource conservation and management decisions. Scientists within OST work across a broad portfolio of disciplines representing the breadth of science conducted in NOAA Fisheries six science centers, including fisheries statistics, economics and social analysis, ecosystem-based management, marine mammal assessments, and others. The National Stock Assessment Program (NSAP) is part of the Assessment Branch within the Assessment & Monitoring Division, one of six OST divisions. The Assessment & Monitoring Division supports projects including at-sea resource surveys, protected resource science, fisheries observer programs, and cooperative research.

Portfolio Summary

Stock assessments provide the scientific foundation for sustainable fisheries management. They use mathematical models that work as simplified computer simulations of fish populations – similar to weather models. Scientists at NOAA Fisheries develop stock assessments to provide scientific guidance to our resource management partners and address fundamental questions including:

- What harvest levels in future years will best balance conservation goals with the need to support jobs, coastal communities, and the American economy?
- Has a stock declined into an overfished condition?
- Does recent harvest of a stock exceed sustainable levels (e.g. is overfishing occurring)?

The National Stock Assessment Program (NSAP) is responsible for providing national leadership, coordination, and representation to support science-based sustainable fisheries management and advancement of NOAA Fisheries' stock assessment enterprise. NSAP staff work across several key disciplines, including methods research, the development of next-generation stock assessment modeling software, and leading development and implementation of national policy initiatives, strategic planning, and collaborations to enhance NOAA Fisheries stock assessment enterprise. We work closely with stock assessment and other staff in the six regional Fisheries Science Centers, as well as in collaboration with other NOAA staff within Fisheries and other line offices on a variety of projects.

The NSAP work portfolio is broad and includes a number of ongoing and high priority new projects in 2022. Knauss Fellows with a range of experience would have the opportunity with NSAP to leverage existing skillsets as well as expand their quantitative skills and learn more about stock assessments,

science-based marine resource management, and administration of national science programs. The projects that an incoming Fellow would work on would be tailored from available opportunities based on the Fellow's individual skills, interests, and learning goals for their fellowship year. However, it is expected that Fellows will engage fully in their selected projects and integrate as a full member of NSAP during their fellowship year.

Potential projects with the NSAP team during 2022 that a Knauss Fellow could select to work on include the list below. In addition to the primary mentors listed for this position, additional co-mentors will be available associated with each individual project. Note that a Fellow will select items from this list based on experience, interest, and goals and new opportunities may arise as the fellowship year elapses; however, it is not feasible nor expected that a Fellow will work on all of the projects listed below:

- Lead and/or support technical research on topics related to mathematical modeling and computer engineering in support of development for the Fisheries Integrated Modeling System (FIMS) (additional mentors: Christine Stawitz, Matthew Supernaw, Andrea Havron)
- Help lead planning efforts for the National Stock Assessment Workshop, tentatively planned for Spring 2022 (additional mentor: Melissa Karp)
- Develop a manuscript on best practices for the collection and use of citizen science data in stock assessments (additional mentors: Laura Oremland, Abigail Furnish)
- Design and execute training opportunities for NOAA Fisheries scientists on stock assessment science, methodology, and tools (additional mentor: Abigail Furnish)
- Coordinate an interdisciplinary panel of software tool developers to improve the ease of use, accuracy, and adoption of standardized tools to conduct analyses of fishery stocks, ecosystems, protected resources, and socioeconomic data (additional mentor: Christine Stawitz)
- Contribute to the continued development of the Species Information System database and web interface by working with regional staff to review needs and develop requirements for enhancements (additional mentor: Jeffrey Vieser)
- Contribute to the continued development of the Stock SMART web tool by reviewing and synthesizing available material to develop requirements (additional mentors: Jeffrey Vieser, Karen Greene, Zach Schakner, Andrea Chan)
- Contribute to the continued development of the Distribution Mapping, and Analysis Portal (DisMAP) web tool (additional mentor: Melissa Karp)
- Help develop the new strategy for the Quantitative Ecology and Socioeconomics Training (QUEST) program, including analyzing available workforce data from the NOAA Fisheries' Office of Human Capital Management (additional mentor: Laura Oremland)
- Help design, coordinate, and moderate symposia at conferences

In addition to the specific projects listed above, the Fellow will have opportunities to interact with senior Fisheries leadership and be exposed to a variety of meetings and working groups throughout NOAA, both at HQ and regional levels. By the completion of the Fellowship, the Fellow will have developed a strong network of professional contacts and have developed a firm understanding of NOAA Fisheries science and management programs, as well as have been able to point to tangible objectives that contributed to the NOAA Fisheries mission of supporting sustainable fisheries management.

Day In the Life

OST scientists work is both collaborative and independent. A day in the life could include a meeting with an interdisciplinary work group including collaborators from academia, other government agencies, NGOs, Fishery Management Councils, industry, or other stakeholders; a briefing to agency leadership to provide updates on your project; a team work session to integrate the latest updates on your development project; or quiet time focused on responding to reviewer comments on your latest manuscript.

The National Stock Assessment Team is geographically distributed, with staff in Silver Spring, Seattle, Corvallis, and St. Petersburg. Because of our distributed locations, we are adept at virtual meetings (even before COVID!) and work flexible schedules. To maintain team connections, we keep several regular check in meetings, but also meet as needed for project-based work. The team maintains a schedule of 'focus days' on Thursdays where we try to keep calendars free of meetings and turn off email/chat notifications to allow flexible, distraction-free time to work on whatever project most needs attention.

NSAP in general is a fast-paced and agile team environment. Work is commonly completed asynchronously, rather than through group meetings. However, collaboration is important and we strongly encourage open communication and a supportive team atmosphere.

Expertise Desired

- Strong written and oral communication skills
- Self-motivated and able to work independently
- Good problem solving abilities
- Team-oriented, able to navigate conflict and build consensus
- An interest in learning about stock assessments, quantitative modeling, and science-based fisheries management
- A basic understanding of quantitative science, fish population dynamics, or stock assessment is helpful but not necessary to be successful in this position

Office Culture

Four current members of the NSAP team (including the Program Lead and primary mentor) are former Knauss Fellows, in addition to numerous other staff in the Office of Science and Technology. We are strong supporters in the Fellowship program and the educational opportunities it provides to bright, highly capable recent graduates.

A Fellow joining the NSAP team can expect to be treated with respect and courtesy; it is expected that they treat their teammates with the same. Open feedback is welcome and encouraged. Additionally, while an incoming Fellow should anticipate being treated as a full team member in terms of assignments and workload, the Knauss Fellowship is viewed as an educational experience and special consideration will be given to ensuring the Fellow can take advantage of all opportunities afforded them during the year.

Covid-19 Comments

Currently in a maximum telework environment for the foreseeable future. A Fellow with NSAP would have significant flexibility (within requirements of Sea Grant and their state program) for telework and

remote work. If/when in-person office work resumes, one of the primary mentors (Bai Li) as well as several other team members are located on-site in Silver Spring.

Office Location

Seattle, WA / Silver Spring, MD

Travel within DC (days per month)

TBD based on COVID restrictions

Travel outside DC (days per month)

TBD based on COVID restrictions

Primary Mentor

Kristan Blackhart & Bai Li, National Stock Assessment Program Lead / Assessment Model Testing Specialist

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-11

Position Title

Ocean Exploration Science Communication Fellow

Agency

NOAA; Oceanic and Atmospheric Research (OAR)

Office

NOAA Ocean Exploration and Research (NOAA Ocean Exploration)

Office Priorities

As leaders in ocean exploration, NOAA Ocean Exploration contributes to goals and initiatives at an agency, national, and international level. Within NOAA, the office contributes to various science and technology focus areas, such as uncrewed systems, artificial intelligence, 'omics, and the Blue Economy. At the national level, we contribute to many initiatives, including the National Strategy for Mapping, Exploring, and Characterizing the United States Exclusive Economic Zone. At the international level, the office is leading the Atlantic Seafloor Partnership for Integrated Research and Exploration (ASPIRE) campaign and contributing to Seabed 2030 and many other science-community objectives. The potential fellow may support these efforts, which vary in scope and reach.

Portfolio Summary

With the mission to explore the ocean for national benefit, the NOAA Office of Ocean Exploration and Research (NOAA Ocean Exploration) (<https://oceanexplorer.noaa.gov/>) is the only federal program solely dedicated to exploring the deep ocean, filling gaps in the basic understanding of our vast ocean territory, providing critical deep-ocean data, information, and awareness needed to strengthen the economy, health, and security of our nation.

NOAA Ocean Exploration advances ocean exploration science through a competitive grants program to support projects with themes that address NOAA's oceanographic missions, marine archaeology, and the innovative use of marine technologies. The office actively engages in strategic partnerships with other federal agencies, universities, and private sector and philanthropic organizations. The office also conducts systematic ocean exploration with a dedicated vessel of exploration, NOAA Ship Okeanos Explorer. Notably, expeditions on Okeanos Explorer involve shore-side scientists, engineers, and technicians brought together to conduct exploration in real time through live, high-definition video streams and online coverage.

NOAA Ocean Exploration's science and outreach initiatives provide scientific and educational training opportunities to enable scientists, educators, resource managers, students, members of the general public, and others to experience ocean exploration. These initiatives expand awareness of current ocean issues, foster the next generation of ocean explorers, and engage the public in ocean exploration activities. Data from the office's ocean exploration activities are made publicly available to help ensure the health of the ocean, sustainably manage marine resources, strengthen the U.S. economy, and build a better appreciation of the value and importance of the ocean in our everyday lives.

NOAA Ocean Exploration seeks a Knauss fellow to support the office's ocean exploration mission. The broad and diverse nature of the office's portfolio will expose the fellow to a wide range of NOAA, NOAA Ocean Exploration, and partner activities, from assisting with developing science plans for expeditions to learning first-hand the complexities associated with operating a major national program.

The fellow will be asked to provide scientific, technical, outreach, and policy advice and lead briefings on a variety of science and exploration topics. Following are some examples of potential activities and responsibilities:

- Contributing to NOAA Ocean Exploration's annual competitive grant process through formulation, proposal review, negotiations, awards, and out-year planning.
- Organizing workshops, town halls, or conference sessions.
- Contributing to partnership activities (e.g., Deep Sea Coral Science and Technology Program regional initiatives).
- Preparing materials for and staffing the NOAA Ocean Exploration director on Hill visits and briefings.
- Leading coordination of coverage on the oceanexplorer.noaa.gov website of expeditions funded through NOAA Ocean Exploration's competitive grants program, including interacting with principal investigators from across the ocean exploration community, reviewing web content, processing images and videos, working with the office web team to post content online, and working with the office communications team to highlight content on social media.
- Developing written summaries of funded projects for NOAA and Department of Commerce leadership awareness.
- Leading coordination of presentations by principal investigators about funded projects through the NOAA Science Seminar series.
- Providing input and feedback to shape the overall online communications strategy of NOAA Ocean Exploration.
- Participating in at-sea ocean exploration activities aboard NOAA Ship Okeanos Explorer or partner vessels through telepresence or in person if safety regulations and policy for COVID-19 allow it in the future.

Day In the Life

The office is unique in that it provides potential fellows with both high-level and ground-level perspectives. The potential fellow will have the high-level opportunity to work across NOAA and with other federal agencies and nongovernmental partners on exploration priorities for the national program. They may also have the opportunity to participate in Capitol Hill briefings. At the ground level, the potential fellow will contribute to the furthering of NOAA Ocean Exploration's science and technology mission. They have a role in the competitive grants program and learn how to carryout the federal grants process and the types of projects the office supports while also expanding the reach and impact of the office's messages and increasing overall awareness of the value and importance of ocean exploration

Expertise Desired

Background and expertise in marine science or a related discipline (e.g., environmental science); Familiarity with ocean exploration, ocean mapping, ocean technology, or deep-ocean science is a plus; Experience with science outreach and communications is a plus; Excellent written and oral communication, teamwork, interpersonal, analytical, and organizational skills; Strong attention to detail; Ability to translate technical and scientific text into plain language; Ability to work independently and as a member of an interdisciplinary team and the confidence to ask questions and take on new challenges; Familiarity with Microsoft Office software (Excel, PowerPoint, Word) and the Google suite; Ability to prioritize workload and manage shifting priorities and multiple projects/tasks under deadline; High degree of judgment, imagination, enthusiasm, and ingenuity; Experience sailing on research vessels will be helpful, but is not necessary; Experience with GIS and with Adobe products (such as Photoshop and InDesign) will be helpful; And a sense of humor, willingness to learn and adventure is a must!

Office Culture

At NOAA Ocean Exploration, our mission is to explore the ocean for national benefit, with a vision to strengthen the economy, health, and security of the United States. As we pursue these overarching goals, we are guided by our values of exploration for discovery, scientific integrity, commitment to diversity, and engagement from the local to global level. We are dedicated to exploring the deep ocean, discovering the unknown, advancing scientific understanding, and investing in innovative technologies to meet those needs. The office maintains an unwavering commitment to providing valid, clear, and reproducible data and science to the public. We adopt the broadest possible view of diversity, including seen and unseen qualities to foster a culture that exemplifies teamwork, embraces innovation, and values equity and inclusion to achieve mission excellence. Steered by a community-driven exploration approach, NOAA Ocean Exploration actively cultivates relationships with a broad and diverse portfolio of partners to explore the ocean and inform, educate, and inspire the public. Although our team is dispersed across the country, we still find ways to connect through team building, social events, and virtual lunches even in a remote working environment. Our office consists of four divisions (Administration & Finance, Expeditions & Exploration, Outreach & Education, and Science & Technology) that represent the major pillars of our work. These divisions work together to make our mission possible and are guided by the leadership of our Division Chiefs, Deputy Director, and Director. NOAA Ocean Exploration strives to foster a positive, supportive, and inclusive work environment. We pride ourselves on being a fun group with personality and a great sense of humor!

Covid-19 Comments

Currently, the office is in a mandatory teleworking status. The potential fellow can expect to be on full telework status until it is deemed safe for personnel to return to the work site. If it is deemed safe, the office will work with the potential fellow to coordinate an appropriate return-to-work plan. Our office location is 1315 East West Hwy, SSMC3, Silver Spring, MD 20910

Office Location

1315 East West Highway, SSMC3 #10246, Silver Spring, MD, 20910 (remotely currently, SSMC3 location subject to change upon return to office)

Travel within DC (days per month)

1-2

Travel outside DC (days per month)

2-5

Primary Mentor

Adrienne Copeland, Physical Scientist

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-12

Position Title

Ocean Exploration Policy Fellow

Agency

NOAA; Oceanic and Atmospheric Research (OAR)

Office

Office of Ocean Exploration and Research (NOAA Ocean Exploration)

Office Priorities

As leaders in ocean exploration, NOAA Ocean Exploration contributes to goals and initiatives at an agency, national, and international level. Within NOAA, the office contributes to various science and technology focus areas, such as uncrewed systems, artificial intelligence, 'omics, and the Blue Economy. At the national level, NOAA Ocean Exploration contributes to many initiatives, including the National Strategy for Mapping, Exploring, and Characterizing the United States Exclusive Economic Zone as well as the National Oceanographic Partnership Program. At the international level, the office is leading the Atlantic Seafloor Partnership for Integrated Research and Exploration (ASPIRE) campaign and contributing to Seabed 2030 and many other science-community objectives. The potential fellow may support these efforts, which vary in scope and reach.

Portfolio Summary

With the mission to explore the ocean for national benefit, the NOAA Office of Ocean Exploration and Research (NOAA Ocean Exploration) (<https://oceanexplorer.noaa.gov/>) is the only federal program solely dedicated to exploring the deep ocean, filling gaps in the basic understanding of our vast ocean territory, providing critical deep-ocean data, information, and awareness needed to strengthen the economy, health, and security of our nation. While the office directly funds and executes many ocean exploration activities, the program also currently serves in a leadership role in both the National Strategy for Mapping, Exploring, and Characterizing the United States Exclusive Economic Zone (NOMECS Strategy) and the National Oceanographic Partnership Program (NOPP). The implementation of the NOMECS Strategy has led to the creation of two new interagency bodies, the NOMECS Council and the Interagency Working Group on Ocean Exploration and Characterization (IWG-OEC), which are both co-chaired by NOAA Ocean Exploration. Both groups involve representation from 15+ federal agencies and meet regularly. The fellow will have the opportunity to engage with and support both the Council and the IWG-OEC. NOAA Ocean Exploration also serves in a leadership role for the National Oceanographic Partnership Program as co-chair of the Interagency Working Group for the National Oceanographic Partnership Program (IWG-NOPP) and as the chair of the internal cross NOAA NOPP Committee (NOPP-C) under the NOAA Science Council. The fellow will have the opportunity to engage with and support both the IWG-NOPP and the NOAA NOPP-C.

NOAA Ocean Exploration seeks a Knauss fellow to support the office's ocean exploration mission, primarily through policy development and interagency support. The broad and diverse nature of the office's portfolio will expose the fellow to a wide range of NOAA, interagency, and non-federal ocean

exploration activities. The fellow will have opportunities to work directly with the NOAA Ocean Exploration director and senior leadership team and interface with senior leaders from NOAA's Office of Oceanic and Atmospheric Research, National Marine Fisheries Service, and National Ocean Service, as well as other federal agency (e.g., Bureau of Ocean Energy Management, U.S. Geological Survey, NASA, U.S. Navy) and nongovernmental partners (e.g., Ocean Exploration Trust, Schmidt Ocean Institute). The fellow will be asked to provide scientific, technical, and policy advice, lead briefings on a variety of science and exploration topics, and provide expert staff support for both the IWG-OEC and the IWG-NOPP. The fellow will learn how ocean exploration is conducted and have an opportunity to help shape the future of NOAA and national ocean exploration endeavors.

Our office reflects ocean exploration's inherently interdisciplinary nature. Opportunity exists across all aspects of NOAA Ocean Exploration's functions. The fellow's actual work plan will be shaped by their expertise and interest, and the needs of the office. The work plan will include the areas of marine science, policy, and communication. Potential activities and responsibilities include:

- Supporting the Interagency Working Group on Ocean Exploration and Characterization (e.g. developing policy guidance, researching and developing written materials, managing report review and serving as agency point-of-contact).
- Advising and working on teams planning and providing support for NOAA's participation in the National Oceanographic Partnership Program, an inter-agency program to coordinate Federal efforts that involve multi-sector collaborative partnerships focused on ocean research science and technology initiatives.
- Supporting the Interagency Working Group for the National Oceanographic Partnership Program (e.g., researching and developing written materials, supporting the administration of competitive funding opportunities, managing reporting review and tracking).
- Potential participation in at-sea ocean exploration activities aboard Okeanos Explorer or partner vessels through telepresence or in person if safety regulations and policy for COVID-19 allow it in the future.
- Organizing workshops, town halls, or conference sessions.
- Staffing the NOAA Ocean Exploration director on Hill visits and briefings.

This is an ideal position for an individual seeking to enhance management and leadership skills while gaining a high level of familiarity and appreciation for ocean exploration science and research in the federal service. The position offers a balance between programmatic exploration interests and high-level policy involvement at agency and administration levels. The setting for this position is an executive office environment, and the fellow can expect to contribute significantly to day-to-day operations in addition to leading special projects of interest to the fellow.

Day In the Life

NOAA Ocean Exploration is unique in that it provides potential fellows with both high-level and ground-level perspectives. The potential fellow will have the high-level opportunity to work across NOAA and with other federal agencies and nongovernmental partners on exploration priorities for the national program. They will also have the opportunity to participate in Capitol Hill briefings. At the ground level, the potential fellow will contribute to the furthering of the office's science and technology mission.

Expertise Desired

Background and expertise in marine science or a related discipline; Familiarity with ocean exploration, ocean mapping, ocean technology, or deep-ocean science is a plus; Excellent written and oral communication, teamwork, interpersonal, analytical, and organizational skills; Strong attention to detail; Ability to translate technical and scientific text into plain language; Ability to work independently and as a member of an interdisciplinary team and the confidence to ask questions and take on new challenges; Ability to prioritize workload and manage shifting priorities and multiple projects/tasks under deadline; High degree of judgment, imagination, enthusiasm, and ingenuity; Experience with GIS and with Adobe products (such as Photoshop and InDesign) will be helpful; And a sense of humor, willingness to learn and adventure is a must!

Office Culture

At NOAA Ocean Exploration, our mission is to explore the ocean for national benefit, with a vision to strengthen the economy, health, and security of the United States. As we pursue these overarching goals, we are guided by our values of exploration for discovery, scientific integrity, commitment to diversity, and engagement from the local to global level. We are dedicated to exploring the deep ocean, discovering the unknown, advancing scientific understanding, and investing in innovative technologies to meet those needs. The office maintains an unwavering commitment to providing valid, clear, and reproducible data and science to the public. We adopt the broadest possible view of diversity, including seen and unseen qualities to foster a culture that exemplifies teamwork, embraces innovation, and values equity and inclusion to achieve mission excellence. Steered by a community-driven exploration approach, NOAA Ocean Exploration actively cultivates relationships with a broad and diverse portfolio of partners to explore the ocean and inform, educate, and inspire the public. Although our team is dispersed across the country, we still find ways to connect through team building, social events, and virtual lunches even in a remote working environment. Our office consists of four divisions (Administration & Finance, Expeditions & Exploration, Outreach & Education, and Science & Technology) that represent the major pillars of our work. These divisions work together to make our mission possible and are guided by the leadership of our Division Chiefs, Deputy Director, and Director. NOAA Ocean Exploration strives to foster a positive, supportive, and inclusive work environment. We pride ourselves on being a fun group with personality and a great sense of humor!

Covid-19 Comments

Currently, NOAA Ocean Exploration encourages teleworking. The potential fellow can expect to be on full telework status until it is deemed safe for personnel to return to the work site. If it is deemed safe, NOAA Ocean Exploration will work with the potential fellow to coordinate an appropriate return-to-work plan. Our office location is 1315 East West Hwy, SSMC3, Silver Spring, MD 20910

Office Location

1315 East West Highway, SSMC3 #10236, Silver Spring, MD, 20910 (remotely currently, SSMC3 location subject to change upon return to office)

Travel within DC (days per month)

1-2

Travel outside DC (days per month)

0-5

Primary Mentor

Caitlin Adams, Physical Scientist

Hosted a Previous Fellow

Mentor: No, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-13

Position Title

Communications and Outreach Specialist

Agency

NOAA; Oceanic and Atmospheric Research (OAR)

Office

OAR/ORTA/Technology Partnerships Office

Office Priorities

The goal of our office is to promote partnerships and innovation between NOAA and U.S. businesses. We do this by promoting our products and services both within NOAA and to the wide range of U.S. businesses that are conducting work that is relevant to our mission. We also seek to engage diverse and underserved audiences so they are aware of the opportunities that are available to them. This requires a well executed communications strategy that is highly inclusive.

Portfolio Summary

TPO had the privilege of hosting our first Fellow in 2021. Our Fellow primarily used her time to develop a detailed analysis of TPO stakeholders and a plan for TPO to better engage with these stakeholders. In 2022, we are hoping to bring on a new Fellow to build on this success.

The NOAA Technology Partnerships Office or TPO is a very diverse office composed of 13 staff and located in Silver Spring. The Office manages two important programs for NOAA: the Technology Transfer (T2) Program and the Small Business Innovation Research (SBIR) Program. The focus of the T2 Program is on public private partnerships and on the marketing and dissemination of NOAA's intellectual property assets. The SBIR Program provides grants to small businesses in the U.S. to have them develop new and innovative technologies that relate to NOAA's mission.

The success of our office is built on solid and consistent communications at all levels, so a Fellow working in TPO will have endless opportunities to learn about all parts of NOAA's science mission and learn about how NOAA works with and supports private industry, while building our communications capabilities.

The Fellow will have the primary job of executing the communications elements our Stakeholder Engagement Plan. This work may include the following specific components, depending on the skills and desire of the Fellow:

- Planning and developing Social Media postings (Twitter, LinkedIn)
- Researching and developing in depth Success Stories
- Compiling a Success Story Library
- Creating custom info graphics, visual stories, training materials
- Building story boards, videos or other custom materials

The Fellow will be reporting directly to the Deputy Director in TPO but will work closely with both Program Managers, as well as OAR communications team members from around OAR and NOAA. The

Deputy will work with the Fellow weekly to help build out an exciting program of activities and will also provide mentorship advice and introductions to key staff across the organization. TPO is a fun office and a great place to work. We look forward to hosting our next fellow in 2022!

Day In the Life

Well, it is COVID world, so a day in the life of a TPO employee is pretty much a day at home in front of your computer. However, that doesn't mean it is boring! And, we are all hoping the pandemic doesn't last forever, so...

The Fellow will coordinate daily with members of the TPO staff to plan and execute communications campaigns and stories. The Fellow will also be able to attend any/all meetings led by TPO and attended by TPO. These will include interagency meetings on SBIR and Technology Transfer, the annual conferences for both program areas, as well as conferences and other venues for building our communications activities. The Fellow will also be consulting regularly with the TPO Deputy and Director to discuss ideas and work on strategic communications planning. And finally, the Fellow will have numerous training opportunities throughout the year to build skills.

Above and beyond the work of TPO, we provide ample opportunities for the Fellow to conduct informational interviews at all levels of the organization and attend science presentations that are of interest. We want you to have a well-rounded year.

Expertise Desired

We are seeking a Fellow who has a strong passion for communications. The ideal candidate will have education or experience in science communications and has outstanding written and verbal communications skills. It is important to understand that TPO is in the business of marketing innovation and marketing our office, so we are looking for candidates who are comfortable translating complex scientific information into compelling prose that will engage the reader.

We definitely need a fresh perspective on social media, web-based content, and training for our programs, so we are open to creativity and new approaches for reaching our audience. Skills in graphic design, videography, project management, facilitation, and other skills will certainly be appreciated.

Office Culture

TPO is a relaxed and friendly office. We are 80 percent women and our staff is exceptionally diverse. The two programs are also very diverse in their activities, so there is always something interesting happening. Our management style is relatively flat and input from all employees is considered across all issues.

Covid-19 Comments

Our office is 100% telework now, although we try to get together informally once per month. Once the Evacuation Order is lifted, we expect to go into the office one day per week and telework the remainder.

Office Location

Silver Spring

Travel within DC (days per month)

Infrequent

Travel outside DC (days per month)

Hopefully! Let's say 3 weeks per year.

Primary Mentor

Derek Parks, Deputy Director, TPO

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-14

Position Title

Ocean Sciences Policy Fellow

Agency

National Science Foundation (NSF)

Office

Division of Ocean Sciences, Office of the Division Director

Office Priorities

The mission of the National Science Foundation is to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense; and for other purposes. NSF offers a front row seat to the Nation's latest scientific discoveries. As a Co-Chair to the Subcommittee on Ocean Science and Technology (SOST), the lead interagency entity for Federal coordination on ocean science and technology, the NSF Geosciences Directorate aims to work with its Federal partners in identifying ocean science and technology priorities, and fosters and facilitates interagency coordination of disciplinary and interdisciplinary ocean research, ocean technology, infrastructure development, and global ocean observation and mapping programs, among other activities.

The Fellow would be situated in the Division of Ocean Sciences (OCE) within NSF's Geosciences Directorate. OCE supports research, infrastructure, and education to advance understanding of all aspects of the global oceans and ocean basins, including their interactions with people and the integrated Earth system. These activities provide knowledge critical to addressing many of our Nation's most pressing challenges involving Earth processes. OCE supports and promotes collaboration and facilitates development of a diverse scientific and educational community, including international efforts. The Division works with the U.S. ocean sciences academic community to direct funding towards advancing the frontiers of knowledge, developing the next generation of researchers, and enhancing the public's understanding of ocean sciences.

Portfolio Summary

The Ocean Sciences Policy Fellow will provide ocean policy, governance, and operational support to the NSF Directorate of Geosciences Division of Ocean Sciences, interagency committees within the Executive Office of the President, and community advisory entities. The Fellow will learn from and work collaboratively with NSF's Ocean Policy Specialist within the Ocean Sciences Division. The fellow will join the Ocean Policy Specialist in supporting the Ocean Sciences Division Director and the Assistant Director of the Geosciences Directorate. Through this position, the Fellow will gain experience in the development of policy positions and recommendations, the preparation and analysis of policy-related documents, supporting interagency committees and decision-making bodies (such as the National Science and Technology Council's Subcommittee on Ocean Science and Technology, as well as the high-level Ocean Policy Committee), contributing to ocean science and technology aspects of ocean policy implementation, and providing general support for the NSF Division of Ocean Sciences in managing, coordinating, or responding to ocean policy, governance, or related activities. The Fellow will have the

opportunity to engage in shaping the most current Federal ocean policy activities, including activities related to the National Oceanographic Partnership Program (NOPP), the UN Decade of Ocean Science for Sustainable Development, and the Ocean Policy Committee. NSF's Ocean Policy Specialist, who will be directly supervising this position, looks forward to discussing specific interests and experience of the potential Fellows. Apart from the specific duties mentioned below, the position will have numerous opportunities for the Fellow to explore topics of their own interests and learn from experts in their desired fields.

Specific duties include:

Supports high-level ocean science and technology interagency committees and decision-making bodies, including but not limited to:

- Coordinates committee leadership and membership meetings, including but not limited to record keeping and scheduling;
- Contributes to and assists in efficient and effective progress toward committee strategic direction;
- Tracks and assists with completion of committee actions, including mandates from Administration policy, Congressional statute, and opportunistic activities such as the beginning of the UN Decade of the Ocean for Sustainable Development;
- Assists with special projects and preparation of reports, policy documents, memos, and publications;
- Assists with interagency communication and connectivity, including developing and participating in collaborative projects within the ocean science and technology policy field; and
- Assists with tracking and implementing national-level ocean policy actions.

Supports NSF leadership on ocean policy and governance matters, including but not limited to:

- Assists with developing policy options, recommendations, and NSF positions;
- Assists with NSF representation on interagency entities;
- Assists with NSF planning, research, and analysis of documents and activities related to ocean policy and governance; and
- Contributes to ocean science and technology aspects of interagency ocean policy and governance planning and implementation.
- Supports interagency ocean policy, governance, or related projects;
- Provides general support for the NSF Division of Ocean Sciences and Geosciences Directorate in managing, coordinating, or responding to ocean policy, governance, or related activities;
- Provides support across the needs of the research and education enterprise through program, division, directorate, Foundation, or interagency activities;
- Provides policy and governance input for other programs in NSF, including international and cross-directorate programs as assigned (this includes exposure to international maritime law and environmental agreements);
- Participates in staff, committee, and other meetings, providing input relevant to program area and/or division;
- Prepares and disseminate a variety of informational documents;
- Establishes contacts and maintains active involvement in programs and related areas through participation in professional activities;
- Maintains familiarity with salient current research and policy developments.

Day In the Life

The Ocean Sciences Policy Fellow would experience a true 30,000-foot level position at NSF and through the interface with interagency bodies on which NSF is represented. While a typical day is difficult to describe as activities are so varied, the Fellow would work daily with the Ocean Policy Specialist and join in numerous interagency calls and meetings a day, usually with NOAA, White House Office of Science and Technology Policy, U.S. Navy, NASA, State Department, Department of Energy, and Department of Interior, among others. Other interagency discussions often involve USDA, NIST, DOD, USACE, U.S. Coast Guard, White House Office of Management and Budget, National Park Service, Marine Mammal Commission, Smithsonian Institution, Department of Transportation, among others. Many of these interagency meetings take place at the White House complex but during COVID are hosted virtually. Most days also include interactions with various NSF offices: including the Geosciences Directorate front office, Office of the Director, Office of Legislative and Public Affairs, and OCE specific programs, the most common of which are: Biological Oceanography, Physical Oceanography, Chemical Oceanography, Marine Geology and Geophysics, Ocean Education, Ocean Technology and Interdisciplinary Coordination, and Facilities and Equipment.

The Fellow would work directly with the Ocean Policy Specialist and a small group of relevant NSF staff (depending on the project) to support strategic direction. A typical day involves developing policy positions on current topics, providing policy briefs to NSF leadership, and following up on interagency Committee action items. An example day could look like: starting off the day working with Biological Oceanography program managers to gather information regarding current coral reef research and recent discoveries from NSF-funded projects, and distilling that information into a succinct one-pager for the Office of the NSF Director to use in briefing Hill staff. From there, joining in an interagency committee call to identify topic areas which are of interest to the majority of Federal ocean agencies to engage in partnerships with industry and NGO stakeholders. On that call, the Fellow would represent NSF interests and share NSF perspectives. After that call, perhaps writing a brief memo on NSF's role in those topic areas and possible partnerships, and then sending the memo to the Division Director for their consideration. The Fellow would then join the Directorate Assistant Director in a meeting of decision-makers to brainstorm ways to advance ocean observations through emerging technologies. Then, wrapping up the day with a phone call with the White House Ocean Policy Committee staff to hear about the latest marine debris developments in National Ocean Policy. During non-COVID times, a day in the office may also mean representing NSF at a scientific conference or at an international meeting to discuss scientific agreements or collaborations. This position offers a diverse suite of daily activities and robust professional development opportunities. While specific opportunities change year to year, Fellows are given strong support to develop skills of interest and take on leadership roles as appropriate.

Expertise Desired

Ideally, the Ocean Sciences Policy Fellow will have at least basic knowledge of ocean or ocean-related science and technology fields and issues; understanding of or interest in ocean or ocean-related science and technology policy and governance, ocean or ocean-related policy analysis, development, and/or implementation; familiarity with the interplay between science and policy and the desire to learn skills to communicate across these areas; exceptional organizational skills, attention to detail, and ability to coordinate and track multiple, simultaneous activities; collaborative work style; and skill in technical writing and writing for general audiences.

Office Culture

The Office of the Division Director within NSF's Division of Ocean Sciences (OCE) is composed of a small, close-knit team. In addition to the Ocean Science Policy Fellow (the Knauss Fellow) and the Ocean Policy Specialist (direct Knauss mentor), the office includes the Director of OCE, an OCE Communications Specialist, and 2-3 other OCE staff members who are regularly involved in interagency activities. Teamwork and consistent, constructive communication are central to the office work ethic. While some projects are completed independently, many projects are group efforts with each team member contributing to the final product. Collaboration, creative thinking, and thoughtful feedback are all encouraged. Both the Ocean Policy Specialist and Director of OCE are committed to the Fellow's professional growth and mentorship. Additionally, NSF's Office of Equity and Civil Rights (OECR) works across the Foundation and with the NSF awardee community to promote diversity and inclusion, provide equal opportunity and access and eliminate unlawful discrimination, harassment and retaliation in employment at NSF and in participation with NSF-funded or conducted programs.

Covid-19 Comments

NSF is respectful to employee, contractor, and Fellow's situations during the COVID-19 pandemic. The agency is currently at a volunteer full telework schedule. NSF is monitoring the situation, and any change resuming to normal work situations will be in a gradual and phased approach. Leadership welcomes open communication about individual's circumstances. During normal situations, Fellows would typically have the opportunity to telework once a week.

Office Location

Alexandria, VA

Travel within DC (days per month)

Frequent, 3-10 (non-COVID times)

Travel outside DC (days per month)

Variable, 0-5 (non-COVID times)

Primary Mentor

Stacy Aguilera-Peterson, Ocean Policy Specialist

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-15

Position Title

Ocean Portfolio Advisor & Policy Team Lead

Agency

NOAA; Oceanic and Atmospheric Research (OAR)

Office

OAR Policy and Congressional Affairs Branch (PCAB), Policy Team

Office Priorities

The priorities for the OAR Policy Team are to ensure effective coordination, communication, and collaboration both within OAR as well as other Line Offices. We work on all topics across the breadth of NOAA Research and strive to promote the amazing work done at OAR labs and programs. One of the largest priorities for the OAR Policy Team is overseeing the execution of activities associated with OAR's Three Portfolios:

The OAR Climate Portfolio focuses on long-term observations, research to advance understanding, and modeling to improve predictions of our Earth system.

The OAR Weather Portfolio focuses on improving understanding and forecasting capabilities for near-term (minutes to 2 years) high-impact weather events that endanger lives and property.

The OAR Ocean, Coasts, and Great Lakes Portfolio focuses on improving understanding of habitats, processes, and resources in the oceanic, coastal, and Great Lakes environments.

Portfolio Summary

The OAR Policy and Congressional Affairs Branch (PCAB) is a dynamic, fast-paced office that offers policy recommendations to OAR leadership, conducts policy analysis, and oversees the execution of OAR's Portfolio activities, as well as executes congressional activity planning, coordination, and strategy development for NOAA's Oceanic and Atmospheric Research (OAR).

As a member of the OAR Policy Team, the Knauss fellow will have an opportunity to routinely engage with leadership across OAR and be exposed to a broad cross-cut of OAR's research activities. The Fellow will gain an excellent understanding of policy and decision-making processes within the Executive Branch. The individual will have the opportunity to work at the senior level with OAR experts on a range of issues relating to climate, weather, air quality, and ocean, coastal, and Great Lakes research. We will work with the individual to tailor duties to best fit their/her/his interests and future career goals.

Depending on areas of interest and expertise, potential opportunities could include: spearheading cross portfolio activities (such as quarterly Science Seminars & biannual All Portfolio Calls); facilitating cross line office workshops and leadership summits (e.g. OAR NMFS; OAR NESDIS; OAR NWS; OAR NOS); executing cross line office initiatives and activities (e.g. Climate and Fisheries Initiative; Precipitation Prediction Grand Challenge initiative; Coastal Inundation Initiative); contribute to policy analysis and recommendations; engage in the execution of OAR Operations & Management reviews; lead the execution of virtual Portfolio team Lab and Program Visits.

Day In the Life

We work collectively as a team to facilitate the high level view of what NOAA Research is doing as well as relatively detailed information about the specifics of research programs, depending on the day. Daily activities can range from managing longer-term projects to responding to high-priority, quick turn around requests from NOAA and OAR leadership and Congress. Given the collaborative nature of our work, we frequently interact with other offices at headquarters and OAR's labs and programs as well as other NOAA Line Offices.

Expertise Desired

Strong organizational, communication, and interpersonal skills

Curiosity driven and willingness to learn new analytical skills

Ability to work in a team and practice give-and-take as needed with workloads and assignments

A desire to learn about and work at the intersection of science, policy, and budget

An interest in issues that cut across the fields of ocean, coastal, and Great Lakes ecosystems research, climate research, and weather and air chemistry research - the individual will frequently work on a number of issues simultaneously

Office Culture

We are a small, close knit team that interacts frequently through both Google Chat and Meet. Given the nature of our work across the breadth of OAR's research portfolio, our culture is highly collaborative and nimble. As an office, we encourage work life balance and have adopted no/less meeting Fridays and abbreviated meetings. The Formulation and Congressional Affairs Division under which our team sits, hosts a weekly coffee hour for folks to drop in and chat.

We also strive to uphold the values in the OAR Strategy:

Commit to Diversity: OAR is enriched by diverse perspectives, celebrating each other's unique experience and expertise.

Explore to Solve: OAR is dedicated to advancing science, making discoveries, and investing in the end-to-end process to deliver results.

Uphold Scientific Integrity: OAR is resolute in its commitment to scientific truth and how it is conveyed.

Engage from Local to Global: OAR is involved locally and internationally to understand the changing environment and inform the public.

Covid-19 Comments

Currently teleworking full-time; long-term telework up to four days a week with everyone in the office on Tuesdays

Office Location

SSMC 3, 11th floor (virtual right now)

Travel within DC (days per month)

0-10

Travel outside DC (days per month)

0-5

Primary Mentor

Katie Robinson, Ocean Portfolio Advisor & Policy Team Lead

Hosted a Previous Fellow

Mentor: No, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-16

Position Title

Coastal Policy Analyst

Agency

NOAA; National Ocean Service (NOS)

Office

Office for Coastal Management

Office Priorities

Coastal management refers to actions taken along the coast to keep residents safe, the economy sound, and natural resources functioning. This is accomplished with federal and state partnership programs. Federal legislation provides the overarching mandates; NOAA's Office for Coastal Management oversees implementation and provides technical assistance. The guiding legislation is the Coastal Zone Management Act, Coral Reef Conservation Act, and Digital Coast Act. The issues covered are challenging, and include storm preparedness, erosion, development, habitat loss, sea level rise, equitable public access, and diversity and inclusion in our programs and operations.

Portfolio Summary

This will be a dynamic year for the Office for Coastal Management, and the Fellow will interact with office leadership and our diverse partners while supporting our policy initiatives and broader NOAA priorities. As part of the Policy, Planning, and Communications team, the Fellow will support activities in the office's four major programs:

National Coastal Zone Management Program – A unique federal and state partnership that works to comprehensively manage uses and resources in the nation's coastal zone. Thirty-four states have federally approved coastal management programs.

National Estuarine Research Reserves – A network of 29 protected areas designated to protect and study estuarine ecosystems, which offers science-based training and education programs and provides unique recreational and place-based learning opportunities.

NOAA Coral Reef Conservation Program – A cross-NOAA initiative that provides the sound science and management needed to preserve, sustain, and restore coral reef ecosystems.

Digital Coast – An online platform that serves as a "one-stop-shop" for the coastal management data, tools, and training most needed by communities. This initiative takes it a step further, however, by bringing various user groups together through the Digital Coast Partnership to address coastal issues. The Fellow will have latitude to develop projects in topics and geographic areas of interest, and can spend limited time finishing degree requirements during work hours, as needed. The Fellow will be engaged in many activities, including but not limited to the following:

Policy Support: The Fellow will contribute to several ongoing initiatives, including supporting the Biden-Harris Executive Orders on climate and racial equity; participating in the office's community resilience activities; developing funding proposals and providing budget information; researching and compiling information when requested by NOAA leadership, Congressional staff, the Department of Commerce or

Office of Management and Budget; participating in meetings with coastal managers and other key partners; and staffing office leadership (creating briefing materials and, if conditions allow, traveling with them) at meetings, conferences, and other events.

Rapid Response: Coordinate office response to a range of NOS, NOAA, DOC, Congressional, Office of Management and Budget, and interagency information requests regarding Office for Coastal Management products and services; “Hot Topics;” or region/constituent-specific support, partnerships, or issues that leadership must know in advance of a planned meeting or site visit.

Congressional Strategy: The Fellow will work with NOAA’s legislative and policy staff on our Congressional strategy, including identifying members of Congress for targeted outreach, preparing materials for office leadership to conduct briefings, and working with staff throughout the country to develop consistent messages for Congressional outreach. Another key activity will be monitoring relevant legislation introduced in the 117th Congress (e.g., tracking the introduction and advancement of proposed bills and providing analysis), including potential reauthorization of the Coastal Zone Management Act and Coral Reef Conservation Act.

Communications Support: As the office rolls out new initiatives, the Fellow will work with staff to elevate and provide visibility for these efforts. This includes developing plans to highlight key messages to be shared with the media, Congressional, and partner audiences, creating an approach and timeline for reaching those audiences, and determining the in-house experts who are best equipped to deliver the information. The Fellow will also work with Communications staff to identify stories and accomplishments from the office and partners for use in messaging and communications materials.

Leadership Support: Support leadership presentations, talking points, memos, and other materials.

Review draft legislation or testimony. Work with NOS, NOAA, and partners on supporting administration initiatives; develop messages, produce materials, and participate in briefings as required.

The Office for Coastal Management serves the needs of coastal communities and diverse populations nationwide that are vulnerable to the impacts of climate and weather hazards, as well as degraded coastal ecosystems. The impacts can be exacerbated in vulnerable, underserved populations, thus warranting focused attention. Therefore, the office may request assistance with developing products or providing services to under-represented or underserved populations that are susceptible to the impacts of current and future risks. High quality products or services should be designed to assist with (but not limited to) addressing coastal hazards in disproportionately affected areas or communities, as well as supporting equitable community resilience in those areas identified by coastal partners.

Day In the Life

This position supports the office’s high level policy and Congressional outreach activities, while also encouraging space for digging into a topic or geographic focus area of the Fellow’s interest—a 15,000-foot view, while also flying higher or lower depending on the task at hand. Our last two Fellows moved into full-time jobs based on the subject matter (wind energy) and regional (Great Lakes) interests they cultivated during their fellowship. The Fellow will have the opportunity to interact with office leadership and be responsible for quick turn-around assignments, as well as longer term initiatives, both individually and as a team member.

Expertise Desired

This position provides an excellent opportunity for a Fellow with a policy, natural resource management, or legal background, or with a science background and some policy writing experience, to gain exposure

to the national coastal and ocean policy arena. Strong verbal and written communication skills are essential. The Fellow should be comfortable in a fast-paced environment and be able to work remotely and independently, as well as part of a team of professional staff from all levels inside and external to the office.

Office Culture

We are a collaborative office. The Fellow will support and participate in topic-based and geographically oriented teams that match their interests. We have a broad coastal management mission, so our staff has a variety of backgrounds, focus areas, and expertise. We are comfortable with remote work, we work in a fast-paced environment, and we have a culture where everyone is respected and valued, encouraged to be nimble and creative, take initiative, and learn about and contribute to our mission. Staff at all levels are available for mentorship; we enjoy taking time to support and get to know our Fellows.

Covid-19 Comments

Health and safety of the Fellow and all staff is our top priority. Due to long-term construction in our office building and Covid uncertainty, we expect this to be a remote position in a Google workspace environment for the full year of the fellowship. The mentor and other colleagues will be working remotely from the DC area and other parts of the country. If Covid conditions improve so that in-person return to work in Silver Spring is authorized, there will be opportunities for in-person meetings with mentor and other colleagues, workshops, and other collaboration activities, as well as travel opportunities. However, only part-time office space will be provided and the Fellow should plan for remote work.

Office Location

Silver Spring Metro Center 4 (SSMC4), Silver Spring, Maryland

Travel within DC (days per month)

Covid-dependent: Two to 10

Travel outside DC (days per month)

Covid-dependent: an opportunity for two to four trips outside DC per year.

Primary Mentor

Josh Lott, Policy Program Manager

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-17

Position Title

Global Ocean Observing Fellow

Agency

NOAA; Oceanic and Atmospheric Research (OAR)

Office

Global Ocean Monitoring and Observing Program

Office Priorities

NOAA's Global Ocean Monitoring and Observing (GOMO) Program is the U.S. Federal source and international leader for sustained, in situ global ocean observations and information in support of research, monitoring, and prediction. We aim to provide a resilient, innovative, and fully integrated global ocean observing system that benefits scientific research, environmental stewardship, and serves society. The observations and science we support contributes to monitoring the warming of the oceans, 7-day weather forecasting, carbon budget, and more which are central to NOAA's mission goals and address national needs for knowledge of the global oceans.

Portfolio Summary

The mission of the Global Ocean Monitoring and Observing (GOMO) Program in OAR is to support long-term, sustained, global ocean and Arctic observations. The observing network provides critical information across multiple NOAA mission areas, including the National Weather Service, Fisheries, and National Ocean Service. With our over 100 international partners, GOMO supports 50% of the global open ocean observations (½ million observations per day!!!) including the programs of Global Drifters, Argo, OceanSITES, GO-SHIP Repeat Hydrography, global sea level network, and more! Sustaining these long-term records is vital to monitoring the long-term changes in the ocean (think heat and carbon uptake), improving predictive capabilities in weather, climate, extreme events, and climate models, and characterizing the dramatic changes in the Arctic. Within GOMO, the Arctic Research Program provides a focused look at the Alaskan Arctic.

Portfolio Description: We are seeking two fellows for 2022. They will contribute to several projects, offering leadership whenever possible. This will provide the fellows with the opportunity to get a broad overview of the wide range of projects supported by GOMO.

Global Ocean Observing Fellow:

This fellow will work on two portfolio projects that have some natural overlap. The main goals of each portfolio are outlined below, with both portfolios supporting the Global Ocean Observing System.

Argo

Advance the three mission spaces of Argo (Core, Deep, and Biogeochemical) by connecting and engaging stakeholders to help co-develop tools and capabilities responsive to NOAA's mission;

Effectively communicate the Argo mission impact (ocean heat content and impacts of global warming, etc) in plain language messages for policy makers;

Develop bilateral agreements for deploying Argo floats in the Pacific Ocean with State Department; and

Support the Argo Program Manager and International Steering Team in hosting a Science Day in conjunction with the annual Argo Steering Team Meeting and Ocean Surface Topography Science Team. AtlantOS Program

Support multi-national Atlantic basin-scale ocean observing implementation and coordination (e.g. leading planning meetings, identifying opportunities for U.S. engagement) to address extreme events, weather, climate, and ocean change in the Atlantic basin;

Lead the development and execution of the AtlantOS Ocean Hour (a regular international engagement event of science talks and community dialogue); and

Assist in the development of thematic working groups and participate in workshop and strategic plan development.

Day In the Life

You will interact with world leaders in ocean observing science from across NOAA, Federal Agencies, and our international partners. These interactions address our mission to support current ocean observing activities (e.g. next week's ocean cruise into the Arctic); improve the impacts of our work through increased dialogue across disciplines and organizations; and plan for the future (e.g. what new technologies and capabilities should we support next year?). Some days this will involve several meetings with colleagues (some from around the world), while other days you will have time to think strategically about your professional development and how to move your projects forward. Our office meets together weekly. We also have times during the week that are non-work meetings to just visit with officemates and learn more informally about the work.

Expertise Desired

- Ability and willingness to work on multiple, simultaneous tasks, sometimes with short-term deadlines
- Ability to work effectively individually and in diverse teams encompassing a variety of backgrounds and responsibilities
- An interest in oceanography including: sustained ocean observing (i.e. moorings, global drifters, Argo) and connection of ocean and/or Arctic observing and climate issues to policymakers
- Strong interpersonal skills
- Strong written and oral presentation skills

Office Culture

Our office is a very collaborative environment. Most have an "open door/email/gchat" policy. We encourage curiosity, questions, and emphasize learning. GOMO actively works to increasingly build a diverse, equitable, and inclusive environment both within our team and with our partners. The Director is a very thoughtful and caring person who wants to support Fellows to be their best and get the most out of their fellowship. Developing individual leadership capabilities is a bedrock value within our office. The office personality is warm and we enjoy getting together outside of the work space. We have had monthly in person happy hours during the summer. When in the office, we partner with others on our floors for celebrations and holiday gatherings.

Covid-19 Comments

Currently our office is working 100% telework. NOAA is continuing to monitor the COVID-19 situation and will move back to in person once it is safe to do that.

Office Location

Silver Spring, SSMC 3, second floor

Travel within DC (days per month)

1-3

Travel outside DC (days per month)

1-7

Primary Mentor

Emily Smith, Argo Program Manager

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-18

Position Title

Arctic Observing Fellow

Agency

NOAA; Oceanic and Atmospheric Research (OAR)

Office

Global Ocean Monitoring and Observing Program

Office Priorities

NOAA's Global Ocean Monitoring and Observing (GOMO) Program is the U.S. Federal source and international leader for sustained, in situ global ocean observations and information in support of research, monitoring, and prediction. We aim to provide a resilient, innovative, and fully integrated global ocean observing system that benefits scientific research, environmental stewardship, and serves society. The observations and science we support contributes to monitoring the warming of the oceans, 7-day weather forecasting, carbon budget, and more which are central to NOAA's mission goals and address national needs for knowledge of the global oceans.

Portfolio Summary**Program Description**

The mission of the Global Ocean Monitoring and Observing (GOMO) Program in OAR is to support long-term, sustained, global ocean and Arctic observations. The observing network provides critical information across multiple NOAA mission areas, including the National Weather Service, Fisheries, and National Ocean Service. With our over 100 international partners, GOMO supports 50% of the global open ocean observations (½ million observations per day!!!) including the programs of Global Drifters, Argo, OceanSITES, GO-SHIP Repeat Hydrography, global sea level network, and more! Sustaining these long-term records is vital to monitoring the long-term changes in the ocean (think heat and carbon uptake), improving predictive capabilities in weather, climate, extreme events, and climate models, and characterizing the dramatic changes in the Arctic. Within GOMO, the Arctic Research Program provides a focused look at the Alaskan Arctic.

Portfolio Description

We are seeking two fellows for 2022. They will contribute to several projects, offering leadership whenever possible. This will provide the fellows with the opportunity to get a broad overview of the wide range of projects supported by GOMO.

The Arctic Observing Fellow can expect to work at the intersection of NOAA's Arctic activities through supporting the cross-NOAA Arctic Action Team, helping identify needs in the Arctic Observing Network, and working directly with NOAA Arctic scientists in advancing OAR's Arctic mission by enhancing collaboration and coordination towards key Arctic issues such as sea-ice prediction and ecosystem monitoring. The Fellow will also have the opportunity to support the Interagency Arctic Research Policy Committee (IARPC) and engage with scientists and program managers from across the Federal government. Specific opportunities include:

Lead efforts on a high-level cross-NOAA team focusing on sea ice prediction and its impacts, and the OAR-specific working group design to address these needs;
Work closely with the US Arctic Observing Network and NOAA's Arctic Executive Committee to develop an analysis of capabilities and needs within the existing Arctic observing networks in support of key policy areas such as food security, Indigenous communities, and economic and national security;
Support the IARPC interagency coordination of relevant research topics and annual reporting to Congress on progress under the IARPC Arctic Research Plan;
Respond to NOAA leadership and Congressional queries with regards to OAR and NOAA's strategic and policy interests in the Arctic; and
Support the Federal proposal review process for Arctic projects.

Day In the Life

You will interact with world leaders in ocean observing science from across NOAA, Federal Agencies, and our international partners. These interactions address our mission to support current ocean observing activities (e.g. next week's ocean cruise into the Arctic); improve the impacts of our work through increased dialogue across disciplines and organizations; and plan for the future (e.g. what new technologies and capabilities should we support next year?). Some days this will involve several meetings with colleagues (some from around the world), while other days you will have time to think strategically about your professional development and how to move your projects forward. Our office meets together weekly. We also have times during the week that are non-work meetings to just visit with officemates and learn more informally about the work.

Expertise Desired

- Ability and willingness to work on multiple, simultaneous tasks, sometimes with short-term deadlines
- Ability to work effectively individually and in diverse teams encompassing a variety of backgrounds and responsibilities
- An interest in oceanography including: sustained ocean observing (i.e. moorings, global drifters, Argo) and connection of ocean and/or Arctic observing and climate issues to policymakers
- Strong interpersonal skills
- Strong written and oral presentation skills

Office Culture

Our office is a very collaborative environment. Most have an "open door/email/gchat" policy. We encourage curiosity, questions, and emphasize learning. GOMO actively works to increasingly build a diverse, equitable, and inclusive environment both within our team and with our partners. The Director is a very thoughtful and caring person who wants to support Fellows to be their best and get the most out of their fellowship. Developing individual leadership capabilities is a bedrock value within our office. The office personality is warm and we enjoy getting together outside of the work space. We have had monthly in person happy hours during the summer. When in the office, we partner with others on our floors for celebrations and holiday gatherings.

Covid-19 Comments

Currently our office is working 100% telework. NOAA is continuing to monitor the COVID-19 situation and will move back to in person once it is safe to do that.

Office Location

Silver Spring, SSMC3, second floor

Travel within DC (days per month)

1-3

Travel outside DC (days per month)

1-7

Primary Mentor

David Legler, Director of GOMO

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-19

Position Title

Marine Protected Area Fellow

Agency

NOAA; National Ocean Service (NOS)

Office

Office of National Marine Sanctuaries

Office Priorities

The mission of ONMS is to protect treasured places in the ocean and Great Lakes, through the management of a system of 15 nationally significant areas. ONMS also includes the National Marine Protected Areas Center, whose mission encompasses all U.S. MPA programs (including sanctuaries, national estuarine research reserves, national parks, national wildlife refuges and state-managed areas) and international MPA partnerships. The MPA Center's mission is to support and grow the network of people working to protect the ocean's most important places through science, tools and capacity building. ONMS and the MPA Center play a key role in NOAA's stewardship mission to conserve healthy marine ecosystems, and to conduct the science and community engagement needed to sustain them.

Portfolio Summary

This position would be hosted by NOAA's Office of National Marine Sanctuaries (ONMS)'s Protected Area Policy Division, which includes the National Marine Protected Areas Center. It will focus on developing tools and products to include management effectiveness within ONMS management documents, and support the integration of climate resilience actions across the sanctuary system.

Areas of focus for this position include:

- Strengthening management effectiveness for Sanctuaries and other MPAs
- Development of tools to assist sites in applying management effectiveness concepts in management plans, monitoring plans and other documents.
- Working with a team to plan and coordinate an ONMS workshop to share knowledge and approaches on management effectiveness
- Coordinating a workshop for US MPA programs on the topic of management effectiveness
- Support implementation of the ONMS Climate Resilience Plan (e.g. supporting working group products)
- Building and delivering information and tools for communities to explore place-based information to support MPA establishment processes
- Supporting priority international partnerships (e.g. MPA Agency Partnership, International MPA Congress)

Day In the Life

Much of the work for this position will be done through small teams with individuals following up on specific assignments. A typical day would include meetings with staff from headquarters units,

individual sanctuaries, and other agencies; and individual work on reports, analyses, etc. There will be opportunities to engage with Sanctuaries, NOS and NOAA leadership on place-based conservation. Fellows are encouraged to pursue professional development opportunities, including mentoring, shadowing, training, attending webinars and workshops. Depending on covid restrictions, there may be opportunities for travel to sanctuaries, and to the International MPA Congress in September 2021 (Vancouver, Canada).

Expertise Desired

- A desire to learn about and work at the intersection of policy, ocean and coastal management and science
- An interest in coastal and ocean management issues - the individual will frequently work on a number of issues simultaneously
- Strong writing and editing skills
- Strong organizational and analytical skills (e.g. in developing indicators, identifying lessons learned)
- Strong communication skills and interpersonal skills
- Ability to work in a team and practice give-and-take as needed with workloads and assignments

Office Culture

ONMS is a friendly, fast-paced office where people are connected by their deep commitment to protecting these important places in our oceans and Great Lakes. The Fellow should expect to be treated as an equal professional in the office and prepared to step into their assignments quickly (with guidance from other staff). Our office has a strong commitment to community engagement and diversity and inclusion. One of our strategic plan goals is to "make ONMS a great place to work" and we continually work toward this.

Covid-19 Comments

Full time telework now, and expected during 2022

Office Location

Silver Spring (but on full time telework)

Travel within DC (days per month)

none now due to covid; may change in 2022

Travel outside DC (days per month)

none now due to covid; may change in 2022

Primary Mentor

Lauren Wenzel, Director, National Marine Protected Areas Center

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-20

Position Title

Fishery Management Specialist

Agency

NOAA; National Marine Fisheries Service (NMFS)

Office

Office of Sustainable Fisheries: Highly Migratory Species Management Division

Office Priorities

NOAA Fisheries is the agency responsible for the stewardship of marine resources, including marine fisheries. The primary statute providing NOAA Fisheries the authority for the management of marine fisheries is the Magnuson-Stevens Fishery Conservation and Management Act. The Highly Migratory Species (HMS) Management Division manages the Atlantic shark, swordfish, tunas, and billfish fisheries consistent with the Magnuson-Stevens Act. The Division also manages these fisheries under the Atlantic Tunas Convention Act, which is a statute specific to the international management issues concerning these fisheries. All projects and actions the Division does will be related to these statutes.

Portfolio Summary

The Highly Migratory Species (HMS) Management Division is responsible for the domestic management of Atlantic tunas, swordfish, billfish, and shark fisheries, including implementation of international agreements. HMS fisheries issues are often controversial, high profile, and representative of the challenges facing NOAA Fisheries agency-wide. These issues range from data collection programs and scientific analyses to fishing regulations to international trade. Given the wide range of HMS fisheries management issues, a fellow would be able to select from any number of projects of interest.

A fellow would be a full member of the Division and would work on projects of interest in which the fellow could either be the lead staff person or be part of a team. Opportunities to visit regional offices (contingent on travel restrictions), attend and/or lead public meetings, participate on research cruises (contingent on travel restrictions), and work on their thesis/dissertation will also be available.

In the upcoming year, the HMS Management Division will be working on numerous actions. Some of these include:

- Rules for various HMS and HMS issues as a result of virtual negotiations at the International Commission for the Conservation of Atlantic Tunas taking the place of the 2021 annual meeting;
- Various rules and finalization of a fishery management plan amendment to assist in bluefin tuna management;
- Various rules and a fishery management plan amendment to assist in shark management;
- A rulemaking based on ecosystem modeling designed to improve information about closed areas for all HMS;

- Finalizing a rulemaking resulting from new biological opinion(s) issued under the Endangered Species Act on various HMS fisheries;
- A rule designed to facilitate the use of electronic technology for reporting fish in all HMS fisheries and at all levels (fishermen and dealers);
- Work on updating essential fish habitat for HMS; and
- Creation of tools to better enable constituents to understand HMS fisheries and management.

Day In the Life

This position has both high level and ground level interactions depending on the interest of the fellow and the various projects that arise throughout the year. The fellow will have several projects to work on at the same time. On some of the projects the fellow may lead, and on some the fellow will be part of a team. Our Division culture ensures that all staff are available to help with guidance, as needed.

Depending on the specific project and the stage of that project, and depending on the skills of the fellow, the fellow could be drafting technical or legal information such as an environmental impact statement or regulatory text, conducting environmental or economic analyses of data, meeting with other team members or Agency partners to move the project forward, working on outreach or an implementation plan, reviewing public comment, presenting at a public hearing, or recommending a way forward to leadership.

This Division is fairly unique in the Agency in that we have fishermen reach out directly to us. When we go back to the office, the fellow will be answering phones. When working remotely, the fellow may still respond to the public directly via emails or phone calls. The fellow will have the opportunity to meet fishermen, academics, and other interested parties virtually or face-to-face.

In the HMS Management Division, a fellow can expect to gain:

- In-depth knowledge of the fishery management process (both domestic and international), objectives, and current issues;
- Experience in identifying and estimating the ecological and socioeconomic impacts of proposed fishery management actions;
- Understanding of how regulations are written and the requirements of the rulemaking process;
- Improved written and oral communication skills;
- Contacts with other NOAA Fisheries offices/regions/centers; and
- Contacts with state, recreational, commercial, and environmental constituents.

In the HMS Management Division, a fellow can expect to produce documents supporting rulemaking (environmental assessments, environmental impact statements, regulatory impact reviews, regulatory flexibility analyses, Federal Register notices) as well as publication of outreach materials (pamphlets, brochures, apps, webpage and social media content).

Expertise Desired

- Ability to work in a team setting
- Strong written and oral communication skills
- Some familiarity with analyzing ecological and/or socioeconomic data (e.g., SAS, ArcGIS, Excel, R)

Office Culture

The HMS Management Division is a dynamic work environment. All of us feel deeply about our mission to conserve HMS and HMS fisheries. To do this, we are not afraid to have meetings! For example, we often have team meetings to ensure we're all on the same page and to hash through various ideas. We have weekly Division meetings so we all know what other projects are being completed in case there is overlap between projects or ideas. We will have one-on-one meetings on an ad hoc basis to make sure you, as a fellow, know what's going on and who you can reach out to. For rulemakings, we will have public hearings where you will meet interested members of the public and hear their thoughts. We also meet with our HMS Advisory Panel at least twice a year. The Advisory Panel, which is composed of approximately 50 people representing commercial fishermen, recreational fishermen, environmentalists, academics, states, and fishery management councils, provides us advice on our different management actions. In other words, you will not be alone in making decisions or moving forward.

That said, we also need someone who is independent and can work on their own. You will have your own project to plan and complete. You will also have sections of team projects that you will need to complete. For both your project and your sections, you will be responsible for writing the required documents. While there are definitely projects that need to be completed within certain time frames (e.g., closure notices when quotas are filled or annual specifications announcing the available quota), other projects have more flexibility. You will be empowered to look for those possibilities and choose projects that match what you are looking for from the fellowship.

Think of your time in our Division as you would your time when visiting a new city. When you first visit it, you will need a map, and you may need a tour guide. At first, you will follow the map and will go places the tour guide shows you. By the end of the fellowship, you will be navigating the city on your own, making your own map, and showing your own tours.

Covid-19 Comments

Currently, everyone in our office is teleworking full time. There is an Agency-wide phased approach for returning to the office; given our work can be done remotely, no one will be returning to the office until the last phase. All of our meetings are now conducted via video conference calls so you will still have the opportunity to "see" all of us. Given many of our staff are located outside the Silver Spring area (we have staff in MA, SC, GA, FL, OR, and WI), the video calls will continue even when we're physically back in the office. Once we are back in the office, we would like the fellow to join us in the office at least twice a pay period. We can work together to find a workable schedule after the transition back to the office is made.

Office Location

Silver Spring

Travel within DC (days per month)

0-1, depending on travel restrictions

Travel outside DC (days per month)

0-1, depending on travel restrictions and stage of any projects

Primary Mentor

Karyl Brewster-Geisz, Branch Chief of Regulations

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-21

Position Title

Knauss Fellow

Agency

U.S. Coast Guard (USCG)

Office

Office of Maritime Law Enforcement Policy

Office Priorities

The Fisheries Enforcement Division of the Coast Guard's Office of Maritime Law Enforcement Policy directs global at-sea enforcement to uphold the rule of law at sea to protect living marine resources and their environment. Our office supports two of the Coast Guard's 11 missions:

- 1) Living Marine Resources, which encompasses enforcement of federal fisheries and marine protected resources laws and regulations.
- 2) Other Law Enforcement, which includes illegal foreign fishing vessel incursions in the U.S. EEZ and illegal, unreported, and unregulated (IUU) fishing globally.

Portfolio Summary

Our office provides the opportunity to engage in both High and Ground Level activities, and the scope of work spans from the state/regional scale to international. The Fellow will have opportunities to work directly with Coast Guard senior leaders and engage with interagency colleagues from NOAA, the Department of State, Department of Defense, non-governmental organizations, and international partners.

Potential Fellow activities and responsibilities could include:

- Supporting a Senior Guidance Team responsible for ensuring execution of the initiatives set forth in the U.S. Coast Guard IUU Fishing Strategic Outlook and Implementation Plan.
- Advising and working with the Coast Guard team participating on the Maritime Security and Fisheries Enforcement (SAFE) Act Interagency IUU Fishing working group.
- Highlighting Coast Guard contributions to living marine resource enforcement through press releases, reports to Congress, and written responses to questions for the record.
- Tracking and analyzing strategic and operational performance measures and developing policy for improvement.
- Planning and organizing the Fisheries Enforcement Division's annual strategic planning meeting;
- Staffing Coast Guard senior leader visits and briefings to Congress, the National Security Council, foreign partners, and U.S. Interagency.
- Drafting the Living Marine Resource mission guidance for the Strategic Planning Direction, which sets operational priorities, resource allocation, and performance standards for the Coast Guard each fiscal year.
- Supporting domestic training and international capacity building efforts in coordination with the Coast Guard Regional Fisheries Training Centers.

- The Fellow will also have the opportunity to develop and work on individual projects based on their own interests.

Day In the Life

A day in the office can vary widely, ranging from days with multiple tasks with quick turnarounds to opportunities to work on long-term projects. We have frequent opportunities to engage across Coast Guard programs and other Federal agencies. This month our office has participated as part of the U.S. delegation in bilateral negotiations with the Government of Mexico, briefed Congressional staffs on our law enforcement mission performance, prepared engagement primers and talking points for the Coast Guard Commandant, drafted a speech for an international audience that illustrate the strategic importance of our missions, and met with other offices to strategize a Coast Guard engagement plan with foreign governments.

Expertise Desired

The fellow should possess strong written, verbal, and interpersonal communication skills, the ability to work well in a fast-paced environment, and an interest in fisheries management.

Office Culture

The Office of Maritime Law Enforcement Policy is one of the busiest in Coast Guard Headquarters, and our program enjoys the attention and support of our most senior leaders. The Fisheries Enforcement Division is a tight-knit group of four Coast Guard officers and one civilian professional within an office of approximately 30 people. The office is often fast-paced, and the fellow should be able to remain flexible and work both independently and on a team to meet mission demands.

Covid-19 Comments

The Office of Maritime Law Enforcement Policy is working in person, with the option for occasional telework.

Office Location

2703 Martin Luther King Ave SE Stop 7501 Washington, D.C. 20593-7103

Travel within DC (days per month)

1-3

Travel outside DC (days per month)

Infrequent (COVID dependent)

Primary Mentor

James Binniker, Chief, Fisheries Enforcement Division

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-22

Position Title

Environmental Policy Fellow

Agency

National Science Foundation (NSF)

Office

Office of Polar Program

Office Priorities

The Office of Polar Programs (OPP) is completely aligned with the Mission and Goals of the National Science Foundation (NSF), an independent federal agency created in 1950 that funds and supports high-quality, cutting-edge research in all fields of science and engineering. NSF provides an integrated strategy to advance the frontiers of knowledge, cultivate a world-class, broadly inclusive science and engineering workforce and expand the scientific literacy of all citizens. Our motto is that NSF is “where discoveries begin”.

The Office of Polar Programs promotes creative and innovative scientific research, engineering, and education in and about the polar regions. OPP operates the U.S. Antarctic Program (USAP) on behalf of the U.S. government through the operation of three permanent research stations, two research ships, field stations, and the support of research projects. In the Arctic, we operate a research station in Greenland and support research projects throughout the Arctic. We work with a range of interagency and international partners to meet shared missions in both regions.

The work of the Fellow is in the Environmental Portfolio of OPP and would focus on various aspects of environmental stewardship in Antarctica. The Environmental team in OPP has an important role in supporting the goals of the US Antarctic Program and the Antarctic Treaty System. Our work involves working with OPP’s science and operations program managers, to ensure that the research and operational projects that we support have a minimal environmental impact. We provide environmental training to USAP participants, educational and outreach activities, and guidance to OPP’s support contractors. A major part of our mission is to represent the United States as members of the Antarctic Treaty and Commission on Environmental Protection to the Antarctic Treaty. A key part of the Fellow’s work would involve these interactions with OPP staff, other federal agencies, and international partners through the Antarctic Treaty Meetings.

Portfolio Summary

In addition to funding a full spectrum of fundamental science and engineering in the polar regions, the NSF Office of Polar Programs manages the U.S. Antarctic Program (USAP) - encouraging international cooperation, maintaining an active and influential presence in the region, and continuing to support high-quality science research. Within OPP, the environmental team facilitates USAP science and logistical operations while protecting wildlife and preserving ecosystems through policy development and implementation.

The OPP Environmental Policy Fellow would be a valued member of the environmental team and would work at a responsibility level similar to that of an employee. The Fellow's experience would include exposure to a range of polar environmental policy, compliance, and stewardship issues. In OPP, the Fellow would have the opportunity to engage in the development of interagency and international policy, the management of marine and terrestrial protected areas, and the assessment of environmental impacts of research and operational activities in Antarctica.

As a member of the U.S. Delegation to the Antarctic Treaty and its Committee for Environmental Protection, the Fellow would help us address emerging, important, and complex environmental and wildlife management issues. The Fellow would prepare, and hopefully present, U.S. government position papers and work closely with delegation members from the State Department, EPA, and NOAA, among others. The Fellow would also assist the delegation in our deliberations with international delegations on critical environmental protection matters.

The Fellow would have the opportunity to support ongoing efforts to implement and manage the world's largest marine protected area in the Ross Sea through work with the U.S. Delegation to the Commission for the Conservation of Antarctic Marine Living Resources (CCAMLR). Through work with the Treaty and CCAMLR delegations, the Fellow would gain insight and first-hand experience with the translation of science into policy.

With the exception of the current Fellow during this time of COVID restrictions, all previous Fellows have also had the opportunity to spend a up to a month in Antarctica during which they worked with the onsite environmental engineering team providing training to program participants, conducting reviews of research sites and field camps, and assisting with science facilitation activities.

We have the flexibility to adapt the structure and nature of the work to the Fellow's needs and goals. The Fellow may spend the majority of their time developing expertise on a single issue or they may participate in a variety of projects of interest to them. While specific projects and responsibilities will be based on the Fellow's experience and interests, the Fellow could engage on any number of current priorities and emerging issues:

- Working with interagency partners to assess U.S. contributions to research in support of the Research and Monitoring Program of the Ross Sea Marine Protected Area.
- Engaging in international discussions on balancing Antarctic tourism with environmental preservation and wildlife protection.
- Developing and reviewing management plans for specially protected and specially managed areas in Antarctica.
- Reviewing proposals and environmental impact assessments of science and operational activities at U.S. Antarctic research stations and research ships.
- Working with the OPP environmental officer in the review of applications for entry into protected areas and research with fauna and flora under the Antarctic Conservation Act.
- Engaging in international discussions on climate change implications for the Antarctic environment.

Day In the Life

On any given day, the OPP environmental team, including the Fellow, may be working on high level polar policy issues with interagency or international colleagues or may be focused at the ground level, such as analyzing data on research in the Ross Sea or impacts of Antarctic tourism. Given the variety of levels at which we work, the Fellow would be welcome to work at levels at which they are comfortable

or choose to take on a challenge. On the environmental team, we work on tasks and projects independently, but frequently come together to discuss broader or more complex issues. We evaluate potential environmental impacts of proposed scientific or operational projects and work with the proponents to reduce or mitigate impacts. We also work closely with the Antarctic support contractor's environmental engineering team on implementing environmental policies on the continent. As a result of the visibility and importance of our work, we may be asked to brief senior leadership within or outside the agency. During a typical workday, we may provide advice and support to treaty delegations, our operations colleagues, and the scientific research community.

Expertise Desired

Ideally, the OPP Fellow would have a background in one of the natural sciences and experience in field work. The Fellow would have strong writing skills and be comfortable speaking in small groups (and perhaps even large ones). The Fellow would have the ability to work well both independently and as part of a team. Teams often include members with backgrounds in scientific research, operational and logistics support, engineering, and public communication. Strong organizational and analysis skills would be beneficial in a number of potential projects. Curiosity about and enthusiasm for polar regions issues are valued, but prior polar knowledge or experience is not required.

Office Culture

The Office of Polar Programs is very strongly united, and we work together to achieve a common mission—the support of world-class science in polar regions, with a focus on research, education, public communication, diversity and inclusion. The Knauss Fellow, from the start, would be seen as “one of the team” and quickly incorporated into ongoing projects and tasks. OPP staff have wide-ranging backgrounds in the sciences, logistics, operational support, construction, facilities management, engineering, military flight operations, administration and work together with little hierarchy. We work with support contractors who manage our research stations and ships in Antarctica and who provide field support in the Arctic. Underpinning our support for science in the field is a strong safety and environmental stewardship culture. We provide opportunities for training and value professional development for all members of the Polar Programs team. We have an “open door” policy in the office (both in person and virtually) and collaboration is key to achieving our overreaching goals. We value respect for colleagues and are willing to listen and learn from each other. For more information on those in the office, our organizational chart can be found here:

https://www.nsf.gov/geo/opp/OPP_orgchart.pdf

Covid-19 Comments

Currently during COVID, full time telework is the norm. Pre-COVID, two to three telework days per month could be negotiated. It is unclear what post-COVID rules will be although telework will be a feature of most positions.

Office Location

2415 Eisenhower Ave. Alexandria, VA 22314

Travel within DC (days per month)

(pre-covid) 1-2

Travel outside DC (days per month)

Pre-COVID, variable, one 2-week and one 5-week trip per year

Primary Mentor

Dr. Polly A. Penhale, Senior Advisor, Environment

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-23

Position Title

Deputy Chief of Staff

Agency

NOAA; Headquarters Office

Office

Office of the Under Secretary

Office Priorities

The Under Secretary of Commerce for Oceans and Atmosphere and NOAA Administrator formulates policies and programs for achieving the objectives of NOAA and has the authority for program execution. The Under Secretary's three main priorities are: establishing NOAA as the authoritative source for mission agnostic climate products and services and expanding and improving NOAA's climate products and services; advancing NOAA's complementary work on environmental stewardship and economic development with a particular focus on the New Blue Economy; and exhibiting equity in how we build and provide services- within NOAA, promoting diversity, equity, inclusion and accessibility in the workforce, and externally, providing equitable access to NOAA's products and services.

Portfolio Summary

The fellow would support the Office of the Under Secretary/NOAA Administrator, working primarily with the Chief of Staff, Deputy Chief of Staff, and Senior Policy Advisors. The fellow will have a diverse and flexible portfolio, principally to support the NOAA Administrator's priorities. Examples of initiatives the fellow would take part in and support include: helping to facilitate a series of climate and equity roundtable community listening sessions and tracking outcomes; supporting the Chief of Staff and Policy Team's engagement in interagency working groups, and helping to strategically coordinate NOAA's public-private partnership engagements.

Day In the Life

The fellow would be treated as an equal professional in the office and would be engaged in a range of activities. The office is a fast paced environment and day-to-day activities will include participating in internal and external (e.g., interagency, non-governmental) meetings,, providing staff support to the COS and Policy Team, coordination with other offices, gathering information, researching and drafting strategy, policy, and other documents, responding to requests for information, and briefing senior leaders.

Expertise Desired

Fellows with a science, policy, or legal background are encouraged to apply. Strong verbal and written communication skills are essential. The Fellow should be comfortable working independently and as part of a team of professional and senior staff within the Under Secretary's Office, other NOAA offices, agency partners, and external stakeholders.

The fellow should possess the following skills and abilities: Have an interest in public administration, organizational development, and strategic planning; ability to thrive in a highly collaborative and dynamic workplace; excellent written and oral communication skills; demonstrated organizational skills; have the ability to plan corporate events like workshops, conferences, and seminars; have some experience effectively communicating complex, sometimes controversial, information to a diverse audiences; attention to detail; and excellent interpersonal skills.

Office Culture

The office is an inclusive, team oriented work environment with the objective to provide first rate policy and other support to the Under Secretary and NOAA. There is a commitment to excellence, respect, integrity, and to service. The culture is one of professionalism, camaraderie, and mutual support (and it can't hurt to have a healthy sense of humor).

Covid-19 Comments

At this time, mostly telework. Some senior and support staff work in person a few days of the week, consistent with appropriate guidelines and protocols.

Office Location

Department of Commerce (HCHB) Washington, DC

Travel within DC (days per month)

TBD, but likely 2-5 (Depending on the circumstances, the fellow may be working virtually the majority of the time and travel would be limited.)

Travel outside DC (days per month)

TBD, but likely fewer than 5 (Depending on the circumstances, the fellow may be working virtually the majority of the time and travel would be limited.)

Primary Mentor

Karen Hyun, Chief of Staff

Hosted a Previous Fellow

Mentor: No, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-24

Position Title

Sustained Assessment Specialist, NCA Team

Agency

NOAA; Oceanic and Atmospheric Research (OAR)

Office

Climate Program Office

Office Priorities

The fellow would be supporting a legally required mission of the program, to produce the National Climate Assessment, and the broader goals of continually evaluating of the state of scientific knowledge, establishing and maintaining networks, and providing actionable science on an ongoing basis.

Portfolio Summary

U.S. Global Change Research Program Overview:

The U.S. Global Change Research Program (USGCRP) was established by Presidential initiative in 1989 and mandated by Congress in the Global Change Research Act (GCRA) of 1990. Its mandate is to develop and coordinate “a comprehensive and integrated United States research program which will assist the Nation and the world to understand, assess, predict, and respond to human-induced and natural processes of global change.” USGCRP comprises 13 federal agencies that conduct or use research on global change and its impacts on society. It functions under the direction of the Subcommittee on Global Change Research of the National Science and Technology Council’s Committee on Environment.

USGCRP has four major sets of responsibilities: (a) coordinating global change research across the Federal Government, (b) developing and distributing mandated products, (c) helping to inform decisions, and (d) facilitating international research coordination. In addition to an annual report to Congress and a Strategic Plan, the GCRA mandates that USGCRP prepare and submit to the President and the Congress a quadrennial assessment, referred to as the National Climate Assessment (NCA).

Expected duties:

USGCRP seeks a Knauss Fellow to join the U.S. Global Change Research Program (USGCRP) National Climate Assessment (NCA) team. The successful candidate will support the development of the Fifth National Climate Assessment (NCA5), as well as contribute to coordination and research related to the Sustained Assessment Working Group (SAWG). The overall responsibility will be focused on providing technical and operational support to the NCA staff and teams of authors on both NCA5 and other Sustained Assessment products.

Duties of the fellow may include:

- Support planning and implementation of NCA5 and future sustained assessment activities, including meeting coordination and research projects.

- Support author teams in developing their chapters, including tracking of content, graphics development, metadata and reference management support, scheduling, and any other support necessary to deliver the chapter on time.
- Identify and execute research related to broader sustained assessment work, under the leadership of the SAWG and staff coordinators.
- Writing and developing a variety of materials for internal and external use; for example, draft assessment derivative products, develop slide decks for internal and external presentations.
- Synthesizing discussions and action items.
- Support development of tools and materials for assessment activities.
- Manage existing tools necessary for author activities; use web-based applications and capabilities to assist in process and project management.
- Support the planning and implementation of events (e.g., workshops, webinars) related to NCA report development, author support, and public engagement.
- Other duties as assigned.

Examples of past fellow projects include: leading development of the Frequently Asked Questions appendix of NCA4, serving as the USGCRP point of contact on the Coasts and Ecosystems chapter of NCA4, developing a public engagement plan for NCA5, conducting a use evaluation of NCA4 and preparing results for publication.

The fellow would report to Allyza Lustig, Senior Staff Manager, National Climate Assessment team.

Day In the Life

USGCRP coordinates across 13 federal agencies and facilitates collaborative research on topics including assessment, international research, social science, indicators, modeling, etc. This is “high level” work that involves facilitating meetings, strategizing, networking, and coordinating. The NCA team involves much of the same high-level work, but also involves a substantial “ground level” component, with clear deliverables, timelines, rules, and structure. The work involves facilitating meetings, people and process management, and implementation. The fellowship involves a bit of both: coordination in the more open-ended “sustained assessment” space and on longer-term projects, and execution of more tangible and fast-paced activities as needed within NCA space.

Expertise Desired

Master’s Level or higher in climate science, policy, or related field. A successful fellow will possess: the ability to locate and organize complex information from multiple sources including scientific materials and discussions; ability to synthesize for programmatic and scientific purposes. Excellent interpersonal skills, as well as the ability to work with large teams from diverse backgrounds, is critical. Project management ability, demonstrated organizational skills, and the ability to carry out multiple tasks under tight deadlines are also a must.

Office Culture

USGCRP’s National Coordination Office is a collegial work environment with an emphasis on growth-oriented management, continued learning, and interdisciplinary collaboration. Leadership has an open-door policy -- even in a remote setting -- and encourages discussion on everything from day-to-day challenges to future-looking goal setting. The NCA team is tight-knit and communicates regularly, with daily meetings, weekly one-on-ones, and various modes of online communication.

Covid-19 Comments

Currently the USGCRP NCO operates entirely remotely. We do not anticipate returning to work until all other federal agencies have done so. The next year may bring a hybrid work set up, but the details are not yet final.

Office Location

Washington, DC (currently full remote, no travel)

Travel within DC (days per month)

None. Currently all remote.

Travel outside DC (days per month)

None. Currently all remote.

Primary Mentor

Allyza Lustig, Senior Staff Manager, National Climate Assessment

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-25

Position Title

International Policy Fellow

Agency

NOAA; Oceanic and Atmospheric Research (OAR)

Office

Ocean Acidification Program

Office Priorities

The Ocean Acidification Program is one of several programs in the NOAA Office of Ocean and Atmospheric Research. The program distributes funding to laboratories and other entities inside and outside of NOAA to execute OA monitoring and research as well as data management, education, and outreach. OAP has a relatively small staff.

Portfolio Summary

NOAA's Ocean Acidification Program (OAP) seeks a Knauss fellow to advance international capacity efforts in support of the Office of Ocean and Atmospheric Research in Silver Spring, MD. OAP helps lead the Global Ocean Acidification Observing Network (GOA-ON), which is composed of international researchers and policymakers working to build an integrated global observing network that documents the current state of ocean acidification (OA). The fellow will become a member of the GOA-ON Secretariat along with two other individuals, one from the Intergovernmental Oceanographic Commission (IOC-UNESCO) in Paris, and one from the International Atomic Energy Agency (IAEA) in Monaco.

The fellow will facilitate international coordination efforts and further develop the GOA-ON Regional Hubs, which lead regionally targeted organizing efforts. The fellow will also be involved with promoting sustained capacity building in developing nations by overseeing GOA-ON's Pier2Peer Program, an international scientific mentorship program that matches senior marine researchers with junior scientists or those new to the OA field. The fellow will also play an active role in coordinating the GOA-ON Webinar Series. If it is not postponed and travel is permitted, the fellow will also attend the Oceans in a High CO₂ World Symposium in September 2022 and play a significant role in coordinating this conference. If the symposium is postponed or cancelled, the fellow will lead the coordination efforts for Ocean Acidification Week, a virtual conference that will highlight international OA research and initiatives.

The fellow will also participate in international capacity development efforts in the Pacific Islands region. Specifically, the fellow will help to coordinate workshops and funding opportunities for citizens of small island/large ocean states. If international travel is permitted, the fellow can expect to travel to Pacific Island nations to assist with scientific training and workshops. Other areas of focus could include projects with the Department of State, IAEA Ocean Acidification International Coordination Center, and participation in bilateral meetings with other countries, specifically the Canada Department of Fisheries and Oceans (DFO).

The fellow will also provide general scientific, programmatic, and communications related support for OAP. The fellow will be a valuable addition to the team and will work closely with the Director and Deputy Director. The fellow will also interact with international scientists and engage with stakeholders. Finally, the fellow will have the opportunity to develop an independent project specific to their interests that supports the program's goals.

Day In the Life

The day-to-day work of OAP's International Policy Fellow will generally be at a "high level", although some aspects of the fellow's portfolio will require them to dig into specific topics and approach projects from the "ground level".

Here are some examples of the types of work that OAP's International Policy Fellow might do through their role as a member of the GOA-ON Secretariat: the fellow will compose newsletters, organize and host webinars, facilitate discussions of international policy, organize and facilitate meetings with GOA-ON's executive council and the regional hubs, and serve as a point of contact for GOA-ON's members. As the GOA-ON Pier2Peer Coordinator, the fellow will maintain the network of existing pairs, facilitate new mentor-mentee matches, review scholarship applications, and compose a monthly newsletter that highlights success stories and shares resources to the P2P community.

The fellow may also coordinate meetings with The Ocean Foundation/NOAA Pacific Islands Working Group, help draft Notices of Federal Funding Opportunities (NOFOs), serve on review panels, produce communication materials, and participate in the NOAA OA Working Group (NOAWG) and the Interagency Working Group on OA (IWG-OA). Finally, the fellow will have the opportunity to develop an independent project specific to their interests that supports the program's goals.

Expertise Desired

A high level of analytical, organizational, and planning skills; the ability to work independently and as part of a team; effective oral and written communication skills; the ability to interact objectively and effectively with diverse audiences. While not a requirement, a knowledge of OA science would be valuable.

Office Culture

At OAP, fellows are considered full members of our team. OAP values inclusivity and diversity among its team members, and all OAP team members are treated with respect and friendliness. Input and ideas from team members are valued, and innovation and creativity are expected. Team members are empowered to take leadership roles on activities aligned with their interests and are encouraged to pursue professional development opportunities. Finally, OAP invests significant time in mentoring new staff.

Covid-19 Comments

All the OAP work can be done remotely. That said, we are looking forward to the day when we can be back in the office together because we enjoy each other's company, and we find informal communications throughout that day beneficial to our productivity. We cannot pretend to predict when the current maximum telework status will be relaxed for NOAA in Silver Spring. OAP will not require anyone to come back into the office until they feel comfortable doing so. While a limited number of NOAA staff are currently allowed to work at the Silver Spring office, most OAP staff continue to work

remotely. NOAA policy states that all workers must be fully vaccinated and must wear masks when working on NOAA campuses. As such, OAP will not dictate where the fellow should reside during the fellowship. Being within the DC region has several advantages. It may foster better cohesion, greater network opportunities, and produce a “more normal” fellowship experience, especially if NOAA staff are asked to return to the office. However, OAP has previously worked with “100% remote” fellows who did not reside in the DC area, so OAP has ample experience in fostering a fulfilling fellowship year despite the distance. We hold regular virtual staff meetings, maintain contact through a staff text thread, and periodically plan social distanced get togethers. In addition, the mentor will meet weekly (virtually) with the fellow to ensure maximum engagement.

Office Location

Silver Spring (SSMC3)

Travel within DC (days per month)

0-5

Travel outside DC (days per month)

0-5

Primary Mentor

Libby Jewett, Director, Ocean Acidification Program

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-26

Position Title

Special Assistant to the Senior Advisor for Coastal Inundation and Resilience

Agency

NOAA; National Ocean Service (NOS)

Office

Office of the Assistant Administrator

Office Priorities

From science, to service and stewardship, NOAA provides authoritative data, tools, and expertise to prepare our nation for the impacts of coastal storms and the chronic stress of sea level rise. As a Special Assistant, you will join the Senior Advisor in defining NOAA's research, applied science, and policy priorities related to understanding and reducing the impacts of coastal risk to the public, our national security, and our nation's economy. The Fellow will support coastal resilience coordination and decision making at and across multiple levels of government, including within NOAA and NOS, other agencies across the federal government, and on Capitol Hill.

Portfolio Summary

Being selected for this role will place you within the headquarters of the National Ocean Service and at the forefront of NOAA's leadership in coastal resilience science, strategy, and collaboration within NOAA and across the interagency community. The National Ocean Service (NOS) provides data, tools, and services that support coastal communities, economies, and ecosystems. NOS brings a unique range of information and capabilities to help our nation prepare for, respond to, and recover from potentially life-threatening events such as hurricanes, as well as long-term challenges including sea-level rise. The Senior Advisor for Coastal Inundation and Resilience is responsible for advancing NOAA's coastal inundation science and services that enable decision makers to prepare for and respond to changes affecting coastal communities. He serves as the senior advisor to NOAA leadership on defining the science and policy priorities related to understanding, predicting, and reducing the impacts of sea level rise and coastal flooding to the public and our nation's economy.

As the Special Assistant to the Senior Advisor, you will work in support of various engagements in coastal resilience and ocean risk activities. You will be responsible for organizing and curating ongoing collaborations between the Senior Advisor and NOS program offices, select teams within other NOAA Line Offices, NOAA HQ, other federal agencies, international organizations, as well as partners in academia, industry, and non-governmental organizations. You will contribute to shaping and overseeing short- and long-term strategies and activity roadmaps that provide clarity on the scope, schedule, and outcomes of key initiatives within the Senior Advisor's portfolio.

Through this opportunity, you will gain exposure across the National Ocean Service, other NOAA line offices, US government interagency fora, Capitol Hill, private industry, non-governmental organizations, and international partners working on coastal resilience issues. You can expect to become an integral member of the team, contributing to discussions and decisions around coastal resilience priorities at

multiple levels of government. There is also the opportunity to become more deeply involved with office priorities that spark personal and/or professional interest.

Examples of special projects led by previous Fellows:

- Serving as the Executive Secretariat of the NOS Coastal Resilience Work Group
- Running the Knauss Fellow FORCE Committee (Fellows Organized for Resilient Coastal Efforts)
- Supporting the coordination of Congressional hearings and all-interesting briefings
- Facilitating focus groups with external stakeholders on NOAA's long-term R&D priorities
- Leading creation of a guide to support coastal professionals and decision makers in applying the updated U.S. sea-level rise projections

Day In the Life

This is a 30,000 foot level position - the Fellow will work directly in partnership with the Senior Advisor to lead the strategic planning and coordination of activities across NOAA, including NOS's coastal resilience portfolio. Daily activities include briefing the Senior Advisor on key issues, opportunities, and upcoming deadlines, coordinating intra- and interagency collaborations, and maintaining regular communication with relevant programs and staff. This position includes balancing a combination of high priority requests and longer term projects in a fast-paced work environment, spanning across NOAA and the federal government. The Fellow will also work closely with the NOS Policy and Constituent Affairs Division (and PCAD Fellow), to support congressional and stakeholder engagement as it relates to coastal resilience. Support may include drafting and reviewing congressional testimony, tracking and analyzing relevant legislation, and preparing briefing materials and talking points for NOS senior leadership.

Expertise Desired

This position requires the Fellow to be organized and flexible, manage time well, prioritize tasks, and bring a proactive voice to work. You must be adept at gathering, organizing and editing written information and working independently on short deadlines. Excellent communication and interpersonal skills are essential. This means being a proactive and clear communicator, having a mindset of service to others, exercising discretion, communicating with radical candor, and demonstrating a sense of humor.

Office Culture

The NOS headquarters office is a collaborative and respectful team. As a Special Assistant to the Senior Advisor, you will be part of that team and will work closely with the Assistant Administrator, Deputy Assistant Administrator, NOS Policy and Constituent Affairs Division, NOS Communications team, each of the NOS Program Offices, and a small team of colleagues supporting the Senior Advisor and the coastal resilience portfolio. Your work will include maintaining positive relationships with senior management and program staff across the National Ocean Service to ensure that agency goals and objectives are met. You will be expected to act with discretion and lead with radical candor. You can expect mutual respect, teamwork, and strong mentorship.

Covid-19 Comments

The Fellow must be able to work comfortably in the East Coast time zone. We remain on full time telework at this time and the safety and health of staff is our highest priority. If selected for this

position, we will have an open conversation about work format (remote, in-person, hybrid) as things reopen to find a situation that is comfortable and workable.

Office Location

Silver Spring, MD

Travel within DC (days per month)

Typically 3 - 5 days a month (will depend on COVID-19 travel policies)

Travel outside DC (days per month)

Some travel is resuming and the Fellow may be asked to support the Senior Advisor on travel (domestic and potentially international). Typically several trips of 2 - 5 days through the course of the year (will depend on COVID-19 travel policies).

Primary Mentor

Mark Osler, Senior Advisor for Coastal Inundation and Resilience

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-27

Position Title

Coral Reef Conservation Fellow

Agency

NOAA; National Ocean Service (NOS)

Office

Coral Reef Conservation Program

Office Priorities

The NOAA Coral Reef Conservation Program (CRCP) is a partnership among four NOAA Line Offices. The CRCP was established in 2000 by the Coral Reef Conservation Act to protect, conserve, and restore the nation's coral reefs by maintaining healthy ecosystem function. The CRCP brings together expertise from across NOAA for a multidisciplinary approach to understanding and conserving coral reef ecosystems. The Program is leading efforts to study and conserve coral reefs due to an increasing number of threats, including pollution, unsustainable fishing practices, and global climate change. In addition to working with scientists across NOAA, the Program partners with state and territorial governments, academic institutions, non-governmental organizations and community groups.

Portfolio Summary

The NOAA Coral Reef Conservation Program (CRCP) seeks a Sea Grant fellow in the Silver Spring, MD office. The fellow will have a diverse and flexible portfolio, which will include tasks such as providing support to the CRCP's efforts in the following areas:

Partnerships/Cross-Agency Collaboration:

The fellow will have the opportunity to support the NOAA Co-Chair of the US Coral Reef Task Force (USCRTF), either the NOAA Administrator or the Assistant Secretary of Commerce for Oceans and Atmosphere/Deputy NOAA Administrator, and be a part of the leadership team of the USCRTF steering committee working closely with the Coral Reef Conservation Program Director.

Task Force meetings were held virtually in 2021, and planning for a meeting in Kona, Hawaii is underway for 2022. In the past, one meeting per year was held in Washington DC, and the other was held in one of the jurisdictions. The USCRTF was established to lead U.S. efforts to preserve and protect coral reef ecosystems. The USCRTF includes leaders of 13 Federal agencies, seven U.S. States, Territories, Commonwealths, and three Freely Associated States. The USCRTF helps build partnerships, strategies, and support for on-the-ground action to conserve coral reefs.

CRCP Support:

Depending on the interest of the individual, the Coral Program Fellow may work in any of several Program areas including:

- Implementation of the new Coral Program Strategic Plan. Topic areas include working with State and Territorial partners to prioritize activities to reduce local stressors on coral reefs like land-based sources of pollution and fishing impacts and working with partners to prioritize coral restoration efforts in the face of warming and more acidified waters, disease and other threats.

- Supporting the National Coral Reef Monitoring Program through the development of synthesis products using NCRMP data, developing new ways to analyze data, helping to produce coral status reports and/or annual data summary reports.
- Supporting the CRCP external funding portfolio. Specific duties may include: assisting with grants processing and programmatic planning and interacting with external partners and grantees. The fellow benefits by gaining an insider's perspective on how federal grant competitions are managed while supporting NOAA's efforts to build public engagement and understanding.
- Responding to congressional inquiries on NOAA coral issues including technical drafting assistance for any Bill introduced to reauthorize the Coral Reef Conservation Act.
- Support coral restoration coordination and planning in NOAA and across government agencies and jurisdictions.
- Assist with CRCP communications and outreach, including creating social media content, web stories, and outreach and education products.

Day In the Life

This position will allow the fellow to work at the 30,000 ft level of coral reef conservation and intergovernmental relationships through coordination of the USCRTF steering committee. In this position, the Fellow will be communicating across government agencies and local governments, and will have an opportunity to work directly with NOAA scientists and coral managers through CRCP project support. This is a dynamic and fast-paced office where day-to-day activities are rarely predictable or boring.

Expertise Desired

Mandatory Skills: Strong oral and written communication skills, including editing skills. Familiarity with science and ability to analyze and disseminate scientific information to multiple audiences. Strong organizational skills and ability to take initiative and lead projects. You must work well both independently and in a team environment.

Desired Background Skills: Familiarity with science, policy and/or management issues related to coral reef ecosystems & associated organisms is a plus, as is having a great sense of humor.

Office Culture

The CRCP is a complex partnership among four NOAA Line Offices. The CRCP brings together expertise from across NOAA for a multidisciplinary approach to understanding and conserving coral reef ecosystems. Given the broad scope of the CRCP and the reach within the Agency, our office culture is one of inclusiveness, communication and transparency, and we encourage active participation in decision-making. We align our activities around the NOAA CRCP Strategic Plan which clearly articulates the Program's vision, mission and goals. Teamwork, consensus building, and cohesiveness are key to how the CRCP achieves its goals and milestones. We are a group of highly motivated, energetic, and diverse individuals dedicated to the conservation of the nation's coral reefs and bring together unique skills and diverse perspectives in our day to day work. We also value a shared sense of humor (so necessary given the herculean task we have set out for ourselves) and enjoy each other's company at after work events.

Covid-19 Comments

The Fellow will likely be in full time telework status as our physical office space is scheduled to be renovated in late 2021/2022. There will be opportunities to meet with CRCP staff in person throughout the year though.

Office Location

Silver Spring, MD, Building 4, 10th Floor

Travel within DC (days per month)

rarely, lots of video meetings

Travel outside DC (days per month)

COVID-dependant, but could be 2-3 trips for Task Force Meetings and to assist in coral conservation project work.

Primary Mentor

Jennifer Koss, NOAA Coral Reef Conservation Program Director

Hosted a Previous Fellow

Mentor: Yes, in my current office, Yes, in a past office, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-28

Position Title

International Affairs Fellow

Agency

NOAA; Headquarters Office

Office

Office of International Affairs (OIA)

Office Priorities

NOAA plays a key leadership role in international ocean, climate, fisheries, space, and weather policies. This includes negotiating international agreements, development of bilateral arrangements with other countries, and performing science diplomacy on behalf of the United States. The Office of International Affairs (OIA) serves as advisors and experts by representing NOAA's interests in related interagency and international engagements. OIA also advises the NOAA Administrator and Senior Leadership on international policy issues, prepares their briefing materials for international meetings, and staffs them on the ground. The office helps establish policies, guidelines, and procedures for NOAA's international programs and facilitates cooperation across Line Offices on international matters.

Portfolio Summary

NOAA's mission extends beyond the political boundaries of the United States to oceans, ecosystems, and the atmosphere throughout the world. Because of this, it is important for NOAA to engage internationally in order to support and promote national policies and interests in climate change, ecosystem-based management, marine protected areas, and weather forecasting while also seeking to maximize the mutual benefits of engaging with its global partners. The Office of International Affairs (OIA) provides leadership for NOAA's international activities and as a Fellow in OIA, you will be at the forefront of this international exchange. This includes:

- Participating in U.S. Government interagency foreign policy discussions and international negotiations;
- Meeting with representatives of foreign governments and multilateral organizations; and
- Contributing to the development of NOAA's international policy positions and facilitating coordination and cooperation with other Federal agencies.

OIA is involved in numerous bilateral (e.g. Canada, South Korea, India, the European Union) and multilateral activities (e.g. United Nations and its subsidiary bodies, the Convention on Biological Diversity, the Arctic region, the Indo-Pacific). The Fellow can expect to participate in a number of these topics, including taking a lead role on:

- Bilateral engagement with Cuba. Each year the Fellow leads NOAA's efforts to obtain approval of cooperation activities as well as overflight clearance for our Hurricane Hunters to operate in Cuban airspace;
- Developing U.S. positions for decisions taken in the International Union for Conservation of Nature (IUCN) and the Convention on Biological Diversity (CBD);

- NOAA engagement in the Arctic Council's Protection of the Arctic Marine Environment Committee and facilitation and implementation of related international Arctic projects;
- Managing input to the multilateral cooperation agreement on the Conservation of the Sargasso Sea area;
- Supporting NOAA Leadership, such as the NOAA Administrator, in preparation for meetings with foreign counterparts;
- And more!

In addition, the Director of International Affairs is regularly called upon to address international policy issues and the Fellow will assist in meeting these requests by contributing insight to policy recommendations, compiling information on NOAA's work, and providing written and oral briefings. Due to the variety of topics handled in OIA, and the inherent flexibility of the office, the Fellow will likely be able to pursue issues of personal interest, work with multiple line offices, and develop new skills in a diverse and exciting field.

Day In the Life

OIA mainly operates at a high-level coordinating across NOAA and with other Federal agency partners (e.g. State Department, Environmental Protection Agency, U.S. Agency for International Development) as well as by engaging with agency Leadership. However, the International Affairs Fellow has the opportunity to dig into topics -- recent examples include working on an international team that developed a Regional Action Plan for Marine Litter in the Arctic; supporting NOAA's participation in a bilateral Science and Technology Ministerial Meeting with Australia; coordinating NOAA's positions on several Resolutions for the IUCN World Conservation Congress; and drafting an Arctic Marine Protected Area Fact Sheet and presenting it at an Arctic Council meeting. On any given day the Fellow can expect to successfully complete the following tasks:

- Coordinate and participate in the review and development of NOAA's international policies;
- Represent NOAA in interagency and international meetings;
- Work across NOAA Line Offices to develop NOAA positions on international initiatives and activities;
- Prepare correspondence for the Director and Deputy Director of International Affairs and other NOAA leadership;
- Draft policy/topical briefings and NOAA negotiating positions for international multilateral meetings.

Expertise Desired

Strong written, verbal, and interpersonal communication skills. Ability to work well under deadlines and in a fast paced environment. Enjoys working in a team environment with an energetic and supportive group of colleagues with a good sense of humor.

Office Culture

The Office of International Affairs is a dynamic office that sits at the intersection of science and foreign policy, enabling the fellow to draw from their own expertise or that of the agency to inform U.S. positions and policy-making. OIA embodies the team concept and works collaboratively within the office and NOAA, as well as across the government. The International Affairs Fellow is an essential member of the team, working alongside the professional staff and OIA leadership. Everyone in the office

loves having an OIA Fellow and helping them learn the ropes to have a successful year. The office environment is energetic, friendly, supportive, and hard-working; where the team also enjoys socializing with each other at the end of the day.

Covid-19 Comments

OIA is currently providing maximum flexibility to telework, particularly given the ongoing COVID-19 pandemic.

Office Location

Herbert C. Hoover Building, Room 68031, 1401 Constitution Ave, NW Washington, DC 20230

Travel within DC (days per month)

Several days per month, if not weekly to attend meetings at other agencies or at NOAA in Silver Spring.

Travel outside DC (days per month)

0-7 days including internationally.

Primary Mentor

Elizabeth McLanahan, Director, Office of International Affairs

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-29

Position Title

Congressional Analyst

Agency

NOAA; National Environmental Satellite, Data, and Information Service (NESDIS)

Office

Legislative Analysis Team

Office Priorities

NESDIS provides secure and timely access to global environmental data and information from satellites and other sources to both promote and protect the Nation's environment, security, economy and quality of life. Positioned high above Earth, NOAA satellites gather vast amounts of data about Earth's complex environment. This critical information yields benefits to every part of our nation, fueling the daily and long-term decisions of the farmer, manufacturer, emergency manager and city planner alike, not to mention families and individuals. The growth of the U.S. space industry has created new opportunities for federal agencies like NOAA. NOAA will need to be agile as an organization to take advantage of these opportunities, especially in the current world of increasing environmental changes and disasters.

The NESDIS Legislative Analysis Team helps NOAA to meet this mission by educating Congressional audiences about the role of NESDIS data and services to their districts and states, and what they can do to actualize support to NESDIS. We lead analyses of Congressional actions and Member interests, and enable the organization to constantly and consistently promote NESDIS requirements to meet the broader NOAA mission with one voice.

Portfolio Summary

Come join the Legislative Analysis Team (LAT) in NOAA Satellites! LAT is a fast-paced, exciting office that provides Congressional activity planning, coordination, and strategy development for NOAA's National Environmental Satellite Data and Information Service (NESDIS). In partnership with NOAA's Office of Legislative and Intergovernmental Affairs and NOAA's Budget Office, LAT works to ensure effective representation of NESDIS' programs, roles, policies, and interests in communications with Congress, the Department of Commerce (DOC), and the White House Office of Management and Budget (OMB). You will have the opportunity to work with many NESDIS engineers, scientists, and senior leadership across a range of topics related to satellites and environmental data and their important role in weather forecasts, climate change science, and ocean stewardship. Topics that the fellow in LAT may work on span from the bottom of the ocean (e.g., bathymetric mapping) to the surface of the sun (e.g., geomagnetic storms and solar flares) and many topics in between (e.g., floods, wildfires, satellites). As a member of LAT, you will have the opportunity to become fluent in both the legislative and executive branch decision-making processes, along with having your work be integral to the federal budgeting and appropriations process for NESDIS. You will also receive an extensive background on NOAA programs

and science, and become an expert on communicating scientific and engineering activities to less technical audiences to build your future career.

Expected duties of the fellow:

- Coordinating, reviewing, and editing answers to Congressional inquiries about NESDIS activities
- Leading preparation and coordination of Congressional briefings for NESDIS senior leadership on a wide range of topics
- Drafting and editing testimony for officials to use in Congressional hearings
- Coordinating, reviewing, and editing reports to Congress
- Tracking and analyzing legislation
- Contributing to a weekly Congressional update for NESDIS and a bi-monthly newsletter for Congress
- Participating in internal meetings to facilitate strategic planning to further NESDIS interests with Congress, DOC, and OMB
- Optional attendance at Congressional briefings, hearings, and/or site visits

NESDIS LAT has not hosted a Knauss fellow in the past, however, two of the three current team members are former Knauss fellows who served in other Offices at NOAA (OAR and NOAA Office of the Chief Scientist) as fellows. In addition, the LAT supervisor and one of the fellow's mentors, Merriam Norris (pronouns she/her), has hosted multiple Knauss fellows as the previous Director with oversight of the Congressional team at NOAA OAR. She and the members of her team know the fellowship program well, and will do everything they can to support your interests and academic/training needs. Along with the expected duties above, we look forward to working with the fellow to foster their interests and structure their projects/portfolio accordingly.

Projects for 2022

- Budget rollout and briefings with Member offices and Committees
- Preparation for GOES-T launch in late winter/early spring 2022 from Cape Canaveral, FL
- Preparation for JPSS-2 launch in fall 2022 from Vandenberg Air Force Base, CA
- Briefings for Congressional offices and Members on topics that range from satellite acquisition to satellite oceanography

Day In the Life

The NESDIS Congressional Analyst position will work with NESDIS experts and senior leadership on a range of topics related to satellites and environmental data. The fellow will also coordinate closely with NOAA's Office of Legislative and Intergovernmental Affairs and the NOAA Budget Office on a day-to-day basis. Every day is driven by the Congressional requests and priorities with some very quick-turn tasks and other more long-term strategic planning.

In any typical day, the fellow could:

- Meet with the NOAA Office of Legislative and Intergovernmental Affairs to share Hill news and information, and to coordinate on actions and communications with Congress
- Brief NESDIS senior leadership on the team's legislative strategy and upcoming Congressional communications efforts
- Coordinate with science experts and program directors across NESDIS to analyze and provide technical drafting assistance on draft legislation

- Coordinate with budget formulation experts within the NESDIS Chief Financial Officer (CFO) office and the NOAA CFO office to create a presentation to lay out the President's Budget request for Congressional Appropriators
- Analyze and summarize Congressional Appropriations language for distribution within NESDIS
- Brief NESDIS senior leadership or program directors to prepare the officials for a briefing before Congress
- Coordinate across NOAA Line Offices to review and comment on draft testimony that a NOAA official will use at a Congressional hearing
- Coordinate with NOAA Public Affairs specialists to prepare an email to send to Congress to apprise them up an important news announcement
- Meet with NASA's Legislative Affairs specialists to coordinate outreach and communications efforts with Congress (including the launch of NOAA GOES-T satellite in Cape Canaveral, Florida on February 16, 2022 and NOAA JPSS-2 satellite launch planned for fall 2022!)
- Have a (currently virtual) lunch meeting with Congressional affairs specialists across NOAA Line Offices to brainstorm topics to coordinate on for Congressional briefings

Expertise Desired

(1) An interest in continually learning new things, including, but not limited to: satellite development and operations, climate, weather and oceans science, data, products, and services, and the value of these services to the public

(2) Strong writing and editing skills to revise program information into clear, non-technical text; attention to detail, accuracy, and consistency of message

(3) Analytical skills to apply to analyses of NESDIS programs and Congressional member interests

(4) Strong communication skills and interpersonal skills

(5) Ability to work in a team and practice give-and-take as needed with workloads and assignments, along with the willingness to ask questions and ask for help when necessary

(6) Ability to monitor and meet deadlines

(7) An interest in working at the intersection of science, policy, and budget, along with learning about legislative and decision-making processes within Congress and the Executive Branch

Office Culture

In the NESDIS Legislative Analysis Team (LAT), the fellow will be working in a team environment, and will always have a colleague available to ask questions and seek guidance, bounce ideas off, and find another set of eyes to check work. The position makes a good fit for a broad variety of backgrounds, and current team members come from various fields of study, some with PhDs in the environmental sciences and others with Master's degrees in public policy. In 2022, one team member will be participating in the NOAA Leadership Competencies Development Program, and the fellow will be able to deep dive into the life of a Congressional analyst by picking up some of this member's portfolio. The supervisor will work with the fellow and the team members are committed to redistributing duties to make sure the portfolio of topics is a good fit for the fellow's interests and ambitions.

LAT sits in the NESDIS Headquarters level, within the Budget Integration Branch under the NESDIS Chief Financial Officer. The Budget Integration Branch includes several other teams, for example the Strategy, Evaluation, and Planning Team, that the fellow will interact with and learn about. The branch chief likes to build and empower teams so they can excel in deliverables, evolve enterprise processes, and tackling

challenges. She pledges to give the fellow as much leadership facetime and networking opportunities as they are prepared to take on, and makes it the core value of her job to support each employee and help them to grow in the direction that they want for their professional future. Employees are also encouraged to participate in projects and programs that interest them – for example, a Branch employee is a founding member and organizer of the Professional Early-career Engagement Roundtable (PEER).

The branch chief also advocates for diversity and inclusion, and is a momma bear in the LGBTQ+ community. She also has been working to help employees with personal connections to support emotional health during the pandemic and the remote work environment, for example, establishing optional “coffee hours” with chit-chat, games, and ice-breaker activities. She also provides opportunities for one-on-one check-ins with employees to help with work-life balance flexibilities (while respecting employee boundaries for privacy).

There is no expectation for the fellow to have previous knowledge of Congressional processes or NOAA science for this position. We fully understand that learning about NOAA satellites and environmental data can be a steep learning curve, with a mix of satellite engineering processes that are shared across NOAA and NASA, the ever-growing rapid evolution of data management and the cloud, and the innovative products made by scientists and mathematicians to translate the data into services like weather and water forecasts. The fellow will be learning much of that information at a high level to communicate the basics to a lay audience. We do expect the fellow to have a willingness to learn, ask for help when they feel it is needed, and to accept feedback, and we hope they will bring their energy and enthusiasm to help the team excel.

Covid-19 Comments

Currently our office is 100% remote, with access to the building as the need arises (e.g., computer support). When we reintegrate into the building, the fellow will be given the choice to continue to telework up to four days per week (or eight days every two weeks), or to come into the building more frequently.

Office Location

Silver Spring

Travel within DC (days per month)

Possible optional travel to Capitol Hill for 2-3 briefings or hearings per month if the pandemic eases.

Travel outside DC (days per month)

Possible optional travel for 1 to 2 Congressional site visits and/or satellite launches per year if the pandemic eases.

Primary Mentor

Merriam Norris, Branch Chief

Hosted a Previous Fellow

Mentor: Yes, in a past office, Office: No

Accepts Foreign Nationals

No

Position ID

E22-30

Position Title

NOMECE Fellow

Agency

NOAA; National Ocean Service (NOS)

Office

Office of Coast Survey

Office Priorities

The Office of Coast Survey was one of the first Federal scientific offices established by President Thomas Jefferson in 1807. The Coast and Geodetic Survey was responsible for surveying the coasts of the United States. Coast Survey's mission has evolved over the past 200 years to include state of the art hydrographic surveying and technology testing, electronic charts for navigation, marine models to predict ocean conditions like surface currents and storm surge.

Coast Survey supports climate change through model development, the Blue Economy through supporting marine commerce and testing and development of new technologies to advance the state of the science for uncrewed systems for ocean mapping.

Portfolio Summary

Are you interested in helping to advance maritime commerce, healthy and sustainable fisheries, coastal resilience, energy production, environmental protection, and other national interests to gain a better understanding of our vast oceans? The data collected by the Office of Coast Survey provides the foundation to support ocean science.

In November 2019, the President signed the Memorandum on Ocean Mapping, Exploration, and Characterization of the United States Exclusive Economic Zone (NOMECE) and the Shoreline and Nearshore of Alaska to help accomplish the above goals. As a leader in mapping and charting, NOAA's Office of Coast Survey plays a substantial role in developing the NOMECE strategy. NOAA will continue to support the execution of Implementation Plans established for both the NOMECE and Alaska Coastal Mapping Strategy which has 23 contributing Federal Agencies as well as the White House Ocean Policy Committee. As the Executive Secretary, the NOMECE Fellow would represent NOAA and Coast Survey on the Subcommittee on Ocean Science and Technology and Coordinate these critical interagency partnerships and build relationships.

The Fellow would be a full member of the Office of Coast Survey Staff, as the NOMECE Executive Secretary, assisting with legislative initiatives, and advancing Coast Survey's interagency relationships. For example, the NOMECE Fellow could be asked to help develop materials for All Interested Staff briefings for the Hill and support the bi-annual Hydrographic Services Review Panel Federal Advisory Committee. Based on interests of the Fellow, they may support communications, integrated ocean and coastal mapping campaigns. Additional projects and responsibilities will be ultimately assigned based on the Fellow's experience and interests as well as the evolving needs of Coast Survey.

Day In the Life

During a day in Coast Survey one can travel through many different working levels, from high to low. There are frequent interactions with senior level government officials, other federal agencies, and the constituents that we serve. At the same time, often on the same day, we may find ourselves discussing the science that has been applied to discover a new underwater feature, how the new feature will be described on a chart, and if it is dangerous to the people who depend on us for accurate information about the seafloor.

During a given day you might find yourself talking to a hydrographer, modeler, or cartographer about how and why they applied their brand of science to a Coast Survey initiative in order to explain it to a member of Congress, another agency, or a citizen who depends on it for their livelihood.

On a daily basis, your tasks will have you working closely with the Coast Survey Director as well as in small teams. COVID-permitting with other agencies and on the Hill as well as opportunities to travel and even an opportunity for ship time if the Fellow is interested in learning the science of hydrography first hand.

Expertise Desired

- Strong written and oral communication skills
- Ability to lead projects
- Strong organizational skills
- Ability to work independently and in a team

Office Culture

Coast Survey supports a culture where open dialogue with leadership and staff members is encouraged, flexible schedules to accommodate personnel and professional commitments are valued, staff in Coast Survey are passionate about the mission and collaborative when it comes to projects.

Covid-19 Comments

Currently in 100% telework, awaiting further NOAA guidance.

Office Location

Silver Spring, MD

Travel within DC (days per month)

2-5

Travel outside DC (days per month)

Likely 1-2 times during the fellowship.

Primary Mentor

Ashley Chappell, Integrated Ocean and Coastal Mapping Coordinator

Hosted a Previous Fellow

Mentor: Yes, in a past office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-31

Position Title

International Fisheries Policy Fellow

Agency

NOAA; National Marine Fisheries Service (NMFS)

Office

Fisheries Office of Law Enforcement

Office Priorities

Global fish production is a \$401 billion industry that must be well managed to ensure the environmental and economic sustainability of fish stocks for future generations. Illegal, unregulated, and unreported (IUU) fishing violates international conservation and management measures, accounting for tens of billions of dollars in revenue loss per year, and negatively impacting fisheries, marine ecosystems, food security, and coastal communities worldwide. With approximately one out of every five fish being caught illegally globally, and with the U.S. importing approximately 80% of all of its seafood, the U.S. has a responsibility to ensure that fish products are caught legally. NOAA's Office of Law Enforcement, and YOU, are in a great position to make a difference and effect change.

The NOAA Fisheries Office of Law Enforcement (OLE) serves as the lead on combating IUU fishing for the United States. OLE is responsible for formulating, implementing and enforcing domestic and international fisheries policy designed to protect global fisheries and threatened marine species. OLE pursues initiatives as they relate to combating IUU fishing and the trade in IUU fish products, countering wildlife trafficking, forced labor and other operationally focused issues. Ultimately, our mission is to ensure that seafood products sold in U.S. markets, whether domestically caught or imported, are legally caught and traded.

The OLE International Policy fellow will work with the Office of Law Enforcement's International operations team, which brings a unique fisheries enforcement perspective to international fisheries management negotiations, and policy development that no other office provides.

Portfolio Summary

The International operations team is responsible for building and delivering capacity building assistance to international partners to fulfil international fisheries management obligations with fisheries enforcement personnel globally. As a result, the OLE International Policy Fellow will have opportunities to develop a diverse portfolio and receive experience coordinating within NOAA Fisheries, NOAA General Counsel, the Department of State, the U.S. Coast Guard, the United States Agency for International Development, the UN Food and Agriculture Organization, and with a variety of international organizations and government partners (ex. Thailand, Vietnam, Indonesia, Ecuador, Peru, and others). You will also be a part of a team that includes enforcement officers, special agents, intelligence analysts, and foreign affairs specialists, further broadening your exposure to a diversity of positions and opportunities.

The fellow's supervisor will be Jason Philibotte, who is the team's Supervisory Foreign Affairs Specialist and works to coordinate and support the International Operations Program. Katheryn Patterson will serve as the fellow's main mentor and was a Knauss Fellow in OLE back in 2016. Her main duty as a Foreign Affairs Specialist focuses on combating IUU fishing activities by supporting policies/procedures for complying with international fisheries obligations and participating in bilateral and multilateral engagements internationally. She also engages on both U.S. and global implementation efforts of the PSMA, and led the development of OLE's domestic and international PSMA Training Programs. The OLE International Policy Fellow will have a prominent role in the Team's capacity building work, engaging with partner countries to assess needs in their implementation of international fisheries policy, coordinating and participating in international training workshops, and assisting with the development of training materials. Additional portfolio items are flexible based on fellow's interests and may include tasks such as:

- Coordinating and serving on the U.S. delegation to bilateral fisheries enforcement meetings with key fishing nations/entities such as: The European Union, Canada, Mexico, Norway, Russia;
- Developing U.S. positions and preparing materials in support of U.S. negotiations within regional fisheries management organizations (RFMOs);
- Leading preparations for international meetings, including developing and coordinating agenda items on key fisheries issues, preparing background papers and talking points for leadership, and drafting meeting reports for dispersal to U.S. and international delegations;
- Supporting OLE and NOAA senior leadership on high-level international fisheries issues by preparing policy and position documents, briefings, talking points, and presentation materials;
- Assisting to develop policies to implement U.S. fisheries enforcement obligations under various international laws and treaties;
- Participating in inter-agency working groups (WG) to facilitate international plans of action to address IUU fishing and wildlife trafficking issues (e.g. Maritime SAFE Act IUUF WG, NMIO African Maritime Collaborative WG, Department of State Combatting Conservation Crimes WG); and
- Educating the public, consumers, and international audiences about the impacts of IUU fishing and fishing-related activities.

There will also be an opportunity for the fellow to explore their specific interests and develop projects that bridge their interest and OLE's mission.

Day In the Life

On any given day you could be:

- Participating in inter-agency working group meetings with the U.S. State Department, U.S. Coast Guard, and the Department of Defense;
- Calling into a late night meeting with partners in Indonesia, Thailand, or Vietnam;
- Responding to last minute taskers from NOAA leadership that help shape domestic and international policy;
- Interacting with a variety of individuals including high-level NOAA officials, federal and international partners.
- Participating on United States delegations for international bilateral meetings;
- Developing training material for international workshops;
- Commenting on important legislation on IUU fishing and fisheries management;

- Conducting visits to OLE field office(s) to observe law enforcement operations and go on patrol as part of your professional development;
- Exploring the non-touristy side of D.C.; and
- Of course - taking advantage of professional development opportunities throughout your fellowship!

Our headquarters staff (of which you will be a part) includes career staff, contractors, intelligence analysts, and sworn law enforcement officers, all of whom are dedicated to protecting and conserving the resources of our oceans and combating Illegal, Unregulated, and Unreported fishing. On a daily basis, we are involved in inter-agency and international partnerships as well as coordination between NOAA Offices. As a result, the fellow will have the opportunity to develop specific program level projects (3,000 foot level) while also having opportunities to engage at a higher level with diverse stakeholders on international fisheries and related issues (30,000 foot level).

Depending on how the pandemic plays out, you may also have the opportunity to participate in international travel to assist with capacity building efforts. A typical day on international travel could consist of:

- Meeting with high-level officials of foreign governments to discuss important IUU fishing issues;
- Being exposed to the missions of and coordinating with other NOAA offices and U.S. agencies;
- Meeting with USAID, State Department, and Embassy Officials to provide briefings on NOAA's in-country activities and support;
- Visiting fishing ports and markets around the world;
- Getting up early in the morning to explore amazing cultural and local sites;
- Attending celebratory and cultural events with international partners; and
- Going to fish auction houses at 3am to watch landings and look for signs of IUU fishing

Expertise Desired

- U.S. citizen; current passport (or ability to obtain a passport) for international travel as needed.
- Excellent verbal and written communication skills are a must.
- Language skills other than English are beneficial but not required.
- Knowledge of, or experience with, international fisheries issues is also beneficial but not required.
- Able to work in a team setting and independently.
- Interested in working outside of your comfort zone.
- Ability to manage multiple tasks under deadlines.
- Able to maintain an optimistic and positive attitude (and have fun).

Office Culture

The NOAA Fisheries Office of Law Enforcement's mission is to protect marine wildlife and habitat by enforcing domestic laws and supporting international treaty requirements. The International Policy Fellow will join a team built on passionate professionals with different skills, backgrounds, experience levels, and perspectives that work together to ensure global resources are available for future generations. OLE is firmly committed to fostering and sustaining a culture of respect where diversity, equity, inclusion, and accessibility (DEIA) are embraced, and every member of the workforce feels safe and valued.

The fellow is considered a full team member, and their perspectives and experiences contribute to OLE's mission. Our office values fellows who can work as part of a team and also work independently in terms

of initiative and innovation. Throughout your fellowship, you will support OLE's leadership and interact with other offices, including high-level NOAA officials, federal and international partners. Our fellow will have great opportunities for networking, professional development, exposure at an international level, and to have fun!

Covid-19 Comments

The safety of the fellow and our team are of primary importance to our office. OLE follows Agency policy as it relates to COVID-19 and will return to the office when it is evaluated to be safe. The International Policy Fellow will telework while the office remains closed along with the rest of the team. Once the team returns to the office, we expect the fellow to join us in-person (accommodations will be considered on a case-by-case basis). Once regular international travel is permitted by the agency, OLE will resume traveling for international capacity building workshops and meetings. The fellow will be able to participate in these international activities based on individual comfort and health risks with travel.

Office Location

Silver Spring, MD

Travel within DC (days per month)

1-3 days per month on average

Travel outside DC (days per month)

1-3 days per month on average

Primary Mentor

Katheryn Patterson, Foreign Affairs Specialist

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-32

Position Title

Biologist

Agency

U.S. Fish and Wildlife Service (USFWS)

Office

Headquarters, Ecological Services

Office Priorities

The BNC is located within the Service's Ecological Services - Headquarters program, and includes scientists with a range of expertise related to endangered and threatened fish and wildlife species, toxicology, and policy issues. The team collaborates closely on a wide range of projects that relate to section 7 of the ESA, which addresses interagency cooperation between the Service and Federal agencies on activities that may affect endangered and threatened species and their critical habitats. The team works closely with other Federal agency staff and various stakeholders to evaluate and mitigate effects to these species and critical habitats from national-level actions, such as national pesticide registrations, national permitting programs, regulations, and rules, to ensure these activities are not likely to jeopardize listed species or destroy or adversely modify their critical habitats. Since these activities are often complex, high profile, and have the potential to affect many listed species and critical habitats across the United States and its territories, the BNC team members also work together to identify and implement innovative analyses and strategies for conducting national section 7 consultations more efficiently.

The national pesticide consultations are one of the highest priorities for the Ecological Services program. Although pesticides serve many important purposes, they often have impacts on threatened and endangered species, their habitats, and other species on which they depend. Given the ubiquitous nature of pesticides, the imperiled status of ESA-listed species, and the ability of many pesticides to injure or kill these species, the national pesticide consultations provide a unique opportunity to achieve meaningful and lasting conservation. In addition to analyzing the effects of the use of pesticides to listed species and their critical habitats, the team is also at the forefront of finding novel ways of promoting conservation of listed species in collaboration with other Federal agencies, pesticide registrants, and other stakeholders, while also allowing for use of pesticides according to their labels.

Portfolio Summary

Pesticides, although an important tool for a variety of functions including food security, invasive species management, and disease control, pose a significant threat to species that are vulnerable to extinction. Federal agencies, industry, and conservation organizations are working to reduce impacts of pesticides on endangered and threatened species ("listed species") and their critical habitats throughout the United States and its territories. Under section 7 of the Endangered Species Act (ESA), the Environmental Protection Agency (EPA) is consulting with the U.S. Fish and Wildlife Service (Service) on EPA's national pesticide registrations pursuant to the Federal Insecticide, Fungicide, and Rodenticide Act

(FIFRA). During section 7 consultation, EPA and the Service work together to analyze and mitigate impacts of pesticides on listed species, their habitats, and other species on which they depend. Due to factors such as the broad scope of the reviews and number of listed species and critical habitats involved (>1,600 and >700, respectively), these consultations are amongst the most complex ever undertaken, requiring the development of new and innovative approaches to consultation. The Knauss Sea Grant Fellow will report to the Service's Branch of National Consultations (BNC; Chief, Karen Myers), helping to support the pesticide consultation team's efforts to complete ESA section 7 consultations on various pesticides and improve the consultation process for national pesticide registrations. The Fellow will have a unique opportunity to contribute to complex toxicological analyses and associated evaluation of effects to listed species and their critical habitats. To secure meaningful conservation, the Fellow, together with the other members of the BNC pesticide team, will also work with other agency staff and stakeholders to address the impacts of pesticides on listed and at risk species and determine ways of avoiding, minimizing, and offsetting the effects to the species. This is an exciting and fast-paced position that provides an excellent opportunity not only for working towards solutions on high profile and complex issues, but also for networking and development of political savviness through engagement on multi-agency teams across the Federal government. We hope to return to the office as soon as it is safe to do so, and in the meantime this position is completely virtual and telework-friendly. At this time, the Fellow is welcome to telework from any location as long as their schedule is calibrated with Eastern Time, but they will likely be requested to report to the Falls Church office should normal operations resume.

Day In the Life

Much of the work in BNC is highly collaborative, with frequent interactions between team members, primarily via videoconference (Teams) as the team is currently working remotely during COVID. Most team members report to the Falls Church office, and would normally also interact in person (once we return to the office). Team members may also routinely telework for one or more days per week under normal operating conditions, or use available flexible schedules according to our Ecological Services telework and schedule policies. The small team works well together, is welcoming to new members, and ensures new members are able to hit the ground running with their assigned tasks. While timelines and priorities sometimes require sustained focus and substantial effort from the team and other experts who detail into the group from time to time, the team has been recognized by the Ecological Services Program for their ability to achieve successful and innovative outcomes for their assigned projects, such as biological opinions and other consultation documents. In addition to building on the existing expertise of team members, the nature of our projects allows for numerous opportunities for team members learn more about various species and their life histories and conservation needs. In addition to consultations, we also have opportunities to influence and implement policy and guidance related to section 7 of the ESA. Team members also have the opportunity to engage in regulation revisions and cross-Program efforts, as the need arises.

Expertise Desired

Excellent collaboration, organizational, and people skills; strong written and oral communication; ability to manage multiple tasks under deadlines; ability to work both independently and as part of a team as needed; ability to remain level-headed, positive, and flexible in a fast-paced and changing environment; ability to creatively and collaboratively develop alternative solutions. Biology or ecotoxicology expertise

is a must. Knowledge of the Endangered Species Act, though helpful, is not required. Interest in both aquatic and terrestrial species conservation strongly recommended, as is proficiency with various software applications (e.g., Word documents, Excel spreadsheets, pdfs, GIS, etc.).

Office Culture

Mirroring efforts at the Ecological Services Program level to create and sustain a cultural environment that optimizes employee engagement and mission results, BNC scientists work collaboratively to tackle hard questions and focus deliberatively on innovation and cutting edge solutions. Staff are encouraged to build on their strengths, explore new topics, develop new skills and expertise, and support each other in our common conservation and organizational goals. The team enjoys working together and prioritizes both camaraderie and productivity. Our team includes members who are proactive, curious, and creative, and who are willing to try out new ideas and approaches together. Team members often mentor each other, with additional initial and ongoing mentoring and coaching for new team members provided by the Branch Chief. We often “learn through doing” with our fast-paced projects and schedule, providing high trust opportunities paired with accountability and communication.

Covid-19 Comments

Ecological Services Headquarters is currently working 100% remotely. The Fellow will be provided with the office equipment needed to securely telework, and will have the opportunity to fully engage with their office and agency colleagues via remote meetings. Once normal operations resume, telework and office coverage would follow Ecological Service Program policies.

Office Location

Falls Church, Virginia

Travel within DC (days per month)

1 - 5 (flexible), when typical travel resumes

Travel outside DC (days per month)

Not required, unless for training (once it is safe to do so). Most of our trainings occur at the National Conservation Training Center (<https://training.fws.gov/>) at our office, or online.

Primary Mentor

Karen Myers, Chief, Branch of National Consultations

Hosted a Previous Fellow

Mentor: No, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-33

Position Title

Interagency & International Policy & Liaison

Agency

U.S. Navy

Office

Oceanographer of the Navy

Office Priorities

The Office of the Oceanographer of the Navy helps the operational Naval Oceanography Community to maximize environmental support provided to US military and coalition forces. We do this by engaging with our partners to enhance the safety and effectiveness of those forces. NOAA and the Naval Meteorology and Oceanography program cooperate to a high degree to enhance the Navy mission in support of national security and help the NOAA mission to succeed as well. We cooperate extensively in meteorology (with the National

Weather Service and NOAA/NESDIS), operational oceanography (with NOAA's National Ocean Service), charting (with NOAA's Office of Coast Survey) and on data collection (with NOAA's National Marine Fisheries Service). Effective coordination of Navy and interagency policy are key to doing this and our office is at the forefront of Navy, interagency, and national policy.

Portfolio Summary

The Oceanographer of the Navy is the representative of the Chief of Naval Operations for the Naval Oceanography Program and Naval Oceanography policy, which includes operational environmental support to Department of Defense (DoD), NATO, and coalition forces worldwide. Naval Oceanography includes oceanography, meteorology, geospatial information & services, navigation, and precise time & astrometry. The Oceanographer of the Navy is also the Naval Deputy to NOAA and interfaces directly with the NOAA Administrator on issues of mutual interest to Navy and NOAA. The Deputy Oceanographer/Technical Director provides guidance to the Oceanographer of the Navy and often represents Department of Defense and Joint Chiefs of Staff in high level interagency meetings.

The Oceanographer of the Navy has a dedicated seat on the Ocean Science and Technology Intergovernmental Policy Subcommittee under the Ocean Policy Committee, established in the Executive Office of the President by Executive Order 13840. The Sea Grant fellow will work with the Deputy Oceanographer of the Navy and other staff members and be involved in a variety of interagency, international, and Congressional issues relevant to the mission of the Oceanographer of the Navy. Specific duties are tailored to the individual Knauss fellow, but will likely include involvement with the high level subgroups under the Ocean Policy Committee, which provides the opportunity to work with high-level officials from numerous agencies.

The fellow will likely have opportunity to work on many cooperative issues between Navy and NOAA. Previous fellows have also been involved in issues such as high level ocean policy development, including drafting of Presidential Executive Orders, Congressional liaison and testimony writing, data

collection and data release, ocean observing systems, NATO issues, public data release, and Law of the Sea issues. The fellow will work closely with many other Navy offices as well. The Oceanographer of the Navy's main office is located at the Pentagon, but the staff also has offices at the Naval Observatory. It is expected that the Knauss fellow will work out of the Naval Observatory, but frequent travel to the Pentagon will be required.

Day In the Life

There is no typical day at the Office of the Oceanographer of the Navy. While it is typical to participate in a lot of meetings (especially high level ones) at times we have to dig down into details to reach optimal solutions to problems. Our office tends to be a "30,000 ft" level office, giving the fellow a broad understanding of issues and how they relate to the success of agency missions and to the country as a whole. We review and provide comments on policy documents when necessary, write policy documents when needed, participate in a lot of high-level meetings, work with Congress, including summarizing Congressional events we participate in, and provide a breadth of expertise to the Navy and the other agencies on oceanography and meteorology issues and coordination.

Expertise Desired

The most important things desired in a fellow are willingness to learn and an ability and desire to communicate. This position is tailored to use the strengths, strengthen the weaknesses and meet the goals of the individual Fellows. Since our office works a broad range of issues for Navy at very high levels, exposing the fellow to a wide range of important issues is usually fairly easy to do. The Navy believes in giving maximum authority to its people and wants to be amazed by the capabilities they show in return. We do not expect a fellow to know much about the Navy or Naval Oceanography when they arrive - we expect they will need to learn what they need to know once they get here. We want a fellow who would like to contribute and make a difference for the country! Due to the need for the fellow to obtain an interim security clearance as well as their final security clearance, our office can only accept US citizens and we cannot accept US citizens with dual citizenship.

Office Culture

This office is relatively small, composed of only about 30 hardworking team members. We pitch in where needed, help each other where we can, and always try to succeed. The pace of the office varies greatly - sometimes slow and measures, sometimes very fast-paced, depending on the situation. A staff member can come in thinking they will be doing one thing that day and as soon as they arrive, they will be working on something entirely different. We are seldom bored! The Navy gives large amounts of authority - and responsibility to its workers and understands that trying your best doesn't always mean 100% success! We pitch in to help each other and take the time to teach and to learn. Since most of our work is at a very high level, the products we produce support some of the highest level decisions our policy-makers make! Our office has hosted fellows for decades and they all would agree that the work they accomplished while with us was some of the most important work of their lives.

Covid-19 Comments

Flexible: Our staff members typically spend a day or 2 per week teleworking but are in the office the rest of the time.

Office Location

US Naval Observatory & Pentagon

Travel within DC (days per month)

0-10 days (depending on COVID-19 of course)

Travel outside DC (days per month)

0-3 days (include an extra \$5K for travel)

Primary Mentor

Dr Wayne Estabrooks, Deputy Branch Head, Naval Deputy to NOAA, Internagency & Policy Branch

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-34

Position Title

Congressional Affairs Specialist

Agency

NOAA; Oceanic and Atmospheric Research (OAR)

Office

Congressional Analysis and Relations Division (CARD)

Office Priorities

The priorities at CARD are ensuring Congress is aware of NOAA Research's activities and understands how that research benefits the country. We work on all topics across the breadth of NOAA research in response to Congressional inquiries and in promotion of the work done at OAR labs and programs.

Portfolio Summary

The Congressional Analysis and Relations Division of OAR is a fast-paced, exciting office that provides congressional activity planning, coordination, and strategy development for NOAA's Oceanic and Atmospheric Research (OAR). On a day-to-day basis these activities translate into preparing OAR scientists and senior management for congressional briefings; drafting and editing congressional testimony; preparing answers to congressional inquiries about OAR activities; and tracking and analyzing legislation and congressional action from scientific and policy perspectives. CARD works to ensure effective representation of OAR's research, programs, roles, policies, and interests in congressional materials delivered to Congress. CARD also works within OAR's CFO Office and with the NOAA Budget Office to communicate budget information to Congress and constituents. We also serve as the OAR coordinators for reviews of the Government Accountability Office, facilitating OAR participation in these reviews as well as ensuring proper review of GAO documents and responses to GAO recommendations. As a member of the CARD, the individual will gain an excellent understanding of the legislative and decision-making processes within Congress and the Executive Branch. In cooperation with NOAA's Office of Legislative Affairs, the individual will have an opportunity to support OAR scientists and senior management at hearings and briefings on Capitol Hill. The Fellow will learn to translate scientific information for delivery to a congressional audience as well as learn to interpret congressional action for a scientific audience. The individual will have the opportunity to work at the senior level with OAR experts on a range of issues relating to climate, weather, air quality, and ocean, coastal, and Great Lakes research. We will work with the individual to tailor duties to best fit his/her interests and future career goals.

Day In the Life

We provide both the high level view of what NOAA Research is doing as well as relatively detailed information about the specifics of research programs, depending on the day. Every day is dictated, in part, by the incoming topics from Congress, but it is safe to bet that there will be something new coming in on a daily basis.

Expertise Desired

- Strong writing and editing skills to revise scientific information into clear, non-technical text
- Strong communication skills and interpersonal skills
- Ability to work in a team and practice give-and-take as needed with workloads and assignments
- A desire to learn about and work at the intersection of science, policy, and budget
- An interest in issues that cut across the fields of ocean, coastal, and Great Lakes ecosystems research, climate research, and weather and air chemistry research - the individual will frequently work on a number of issues simultaneously

Office Culture

Our office culture heavily relies on teamwork. Everyone on the team is a valued member and all contributions are respected as such.

Covid-19 Comments

We are currently teleworking full time for the foreseeable future.

Office Location

Silver Spring, MD, Bldg 3

Travel within DC (days per month)

0-10

Travel outside DC (days per month)

0-5

Primary Mentor

April Croxton, Congressional Team Lead

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-35

Position Title

Knauss Fellow

Agency

National Science Foundation (NSF)

Office

Division of Ocean Sciences

Office Priorities

The National Science Foundation mission is to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense; and for other purposes. NSF offers a front row seat to the Nation's latest scientific discoveries. As a Co-Chair to the Subcommittee on Ocean Science and Technology (SOST), the lead interagency entity for Federal coordination on ocean science and technology, the NSF Geosciences Directorate aims to work with its Federal partners in identifying ocean science and technology priorities, and fosters and facilitates interagency coordination of disciplinary and interdisciplinary ocean research, ocean technology, infrastructure development, and global ocean observation and mapping programs, among other activities.

The Division of Ocean Sciences (OCE) supports research, infrastructure, and education to advance understanding of all aspects of the global oceans and ocean basins, including their interactions with people and the integrated Earth system. These activities provide knowledge critical to addressing many of our Nation's most pressing challenges involving Earth processes. OCE supports and promotes collaboration and facilitates development of a diverse scientific and educational community, including international efforts. The Division works with the U.S. ocean sciences academic community to direct funding towards advancing the frontiers of knowledge, developing the next generation of researchers, and enhancing the public's understanding of ocean sciences.

The Marine Geology and Geophysics Program supports new ideas and cutting-edge research on all aspects of the geology and geophysics of the present ocean basins and margins, as well as those of the Great Lakes. It supports field, analytical, and laboratory experimental projects; methods development; modeling; and the re-analysis and/or synthesis of existing data. The Program interfaces with NSF programs across the Geosciences and across the Agency.

Portfolio Summary

Come join our effort to explore the submarine environment and gain insights on environmental policy! Our approach is to be as flexible as possible to best meet the interests and skills of the Fellow as well as the needs of the NSF Division of Ocean Sciences (OCE) Marine Geology & Geophysics Program (MG&G). We want to ensure the Fellow has a rewarding and enriching experience at the NSF while also supporting MG&G activities. This position will have a focus on providing environmental compliance support to activities related to MG&G and will have significant interaction with staff from the NSF Office of General Counsel (OGC). Participation in other OCE environmental compliance matters would also be anticipated. The MG&G Fellow will report to the MG&G Section Head, Maurice Tivey.

The MG&G program supports research related to improving our understanding of vital Earth processes. MG&G research activities comply with environmental regulations and Executive orders, including, but not limited to, the National Environmental Policy Act (NEPA); Executive Order (EO) 12114: Environmental Effects Abroad of Federal Agency Actions; Marine Mammal Protection Act (MMPA); Endangered Species Act (ESA); Coastal Zone Management Act (CZMA); National Historic Preservation Act (NHPA), and Magnuson-Stevens Act (Essential Fish Habitat) (M-S). In particular, marine geophysical surveys entail significant interactions with Principal Investigators (i.e., researchers), ship operators, and regulators (both National Marine Fisheries Service and US Fish and Wildlife Service) to ensure environmental compliance. NSF is working in conjunction with USGS and NMFS to develop a programmatic consultation per the Endangered Species Act (PESA) for marine seismic research. MG&G works closely with the NSF OGC on these environmental compliance issues, other related policy issues, and interagency committees, such as National Ocean Mapping, Exploration, and Characterization (NOMECE) committees, etc.

While the focus of this fellowship opportunity would be to support the environmental compliance efforts within MG&G, the Fellow would also have the opportunity, and would be encouraged, to become familiar with other Division and NSF-wide activities. By the end of the fellowship, we would expect the MG&G Fellow to represent NSF, lead meetings, and brief senior managers on critical issues. While there are expectations to participate in daily activities, this Fellow will also have the opportunity to create their own adventures and explore new topics of interest with the support of MG&G and broader NSF team. With this in mind, we expect the MG&G Fellow to develop a unique independent project to lead, analyze, and produce a final report by the conclusion of the fellowship focusing on a mutual topic of interest (e.g., analyze Protected Species Observer data for trends; assess and compare international requirements for marine geophysical surveys (e.g., monitoring and mitigation measures); review trends in acoustic modeling; analyze hydrophone streamer data for marine mammal calls, etc.). Specific duties would include:

- Environmental Compliance
- Work jointly with MG&G and NSF OGC on environmental policies and procedures for marine seismic research activities
- Participate in the development and implementation of a programmatic consultation per the Endangered Species Act (PESA) for marine seismic research funded by NSF or conducted by the USGS (Interagency)
- Join in interagency review meetings
- Assist in documentation development/review/editing
- Participate in the federal regulatory processes for NSF-funded marine geophysical surveys (Interagency)
- Assist with interagency communication and connectivity, including developing and participating in collaborative projects within the ocean science and technology policy field related to marine biology/acoustics, marine geophysical research, etc.
- Participate in environmental compliance activities for other OCE activities such as the Ocean Observatories Initiative (OOI), a major research equipment and facilities construction (MREFC) project
- Assist with special projects and preparation of reports, policy documents, memos, and publications.
- Sound in the Ocean (biology/acoustics)

- Participate on interagency committees such as the National Science and Technology Council's Subcommittee on Ocean Science and Technology Ocean Noise & Marine Life Interagency Working Group (ONML IWG); Interagency Coordinating Group on Marine Sound (Interagency); Biodiversity Beyond National Jurisdiction (BBNJ), etc.
- Compile and analyze Protected Species Observer data

General

- Provide input to other programs in NSF, including international and cross-directorate programs as assigned (this includes exposure to international maritime law and environmental agreements)
- Assist in arranging/organizing environmental compliance meetings and activities
- Participate in staff, committee, and other meetings, providing input relevant to program area and/or division
- Prepare and disseminate a variety of informational documents
- Establish contacts and maintain active involvement in programs and related areas through participation in professional activities
- Maintain familiarity with salient current research and policy developments

In terms of your own development, you may:

- Increase your breadth of knowledge by participating in other OCE and NSF functions
- Attend talks and distinguished lectures given by luminaries from all scientific fields of inquiry from around the globe
- Contribute to the development of new environmental compliance programmatic documentation and/or streamlining activities
- Participate in the NSF gold-standard merit review process: gain intense learning experiences through involvement in the peer-review panel process where experts review cutting edge research proposals

Day In the Life

While the MG&G Fellow will have opportunities to work at the High Level (interactions across the agency or with other agencies), many interactions will also happen at the Ground Level (working on specific projects). The MG&G Fellow would be involved with a diverse portfolio, ranging from research to environmental compliance to policy. While a typical day is difficult to describe as activities would be varied, the Fellow would ultimately work with the MG&G team and the NSF OGC Environmental Policy Specialist to help facilitate and ensure research gets to sea. On any one day the MG&G Fellow could expect to:

- represent NSF in a regulatory meeting to discuss a project and progress on obtaining federal authorizations;
- coordinate with researchers and vessel operators to draft responses to regulatory questions regarding projects and resolve any concerns in order to keep the project timeline on schedule;
- review proposals for determining the appropriate level of environmental review and compliance needs;
- document and record information exchanges for briefing NSF staff; and
- analyze data to determine trends and draw conclusions.

No day is really typical...except you can almost always expect to drop everything at a moment's notice to deal with an emerging issue!

Expertise Desired

Ideally, the MG&G Fellow will have at least basic knowledge of ocean or ocean-related science and technology fields and issues, preferably with a background or interest in marine biology, acoustics, and/or earth processes; environmental compliance and policy interests; ability to compile and analyze data; exceptional organizational skills, attention to detail, and ability to coordinate and track multiple, simultaneous activities; collaborative work style; and skill in technical writing.

Office Culture

The NSF's Division of Ocean Sciences (OCE) Marine Geology & Geophysics Program (MG&G) is composed of a small, close-knit team. In addition to the MG&G Fellow (the Knauss Fellow) and the MG&G Section Head, MG&G includes 3 other Program Officers and a Science Assistant. In addition, the OGC Environmental Policy Specialist who works closely with MG&G, will be integrally involved with the MG&G Fellow's activities. Teamwork and consistent, constructive communication are central to the Program work ethic. While some projects are completed independently, many projects are group efforts with each team member contributing to the final product. Collaboration, creative thinking, and thoughtful feedback are all encouraged. The MG&G Section Head, MG&G Program Officers, and OGC Environmental Policy Specialist are committed to the Fellow's professional growth and mentorship. Additionally, NSF's Office of Equity and Civil Rights (OECR) works across the Foundation and with the NSF awardee community to promote diversity and inclusion, provide equal opportunity and access and eliminate unlawful discrimination, harassment and retaliation in employment at NSF and in participation with NSF-funded or conducted programs.

Covid-19 Comments

NSF is respectful to employee, contractor, and Fellow's situations during the COVID-19 pandemic. The agency is currently at a volunteer full telework schedule. NSF is monitoring the situation, and any change resuming to normal work situations will be in a gradual and phased approach. Leadership welcomes open communication about individual's circumstances. During normal situations, the Fellow would typically have the opportunity to telework once a week.

Office Location

2415 Eisenhower Avenue, Alexandria, VA 22314

Travel within DC (days per month)

Occasional, 0-2 days (non-COVID times)

Travel outside DC (days per month)

Occasional (participate in conferences, workshops, research cruise) (non-COVID times)

Primary Mentor

Maurice Tivey, Section Head, Marine Geology & Geophysics

Hosted a Previous Fellow

Mentor: No, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-36

Position Title

Executive Affairs Legislative Specialist

Agency

NOAA; Office of Marine and Aviation Operations (OMAO)

Office

OMAO Front Office

Office Priorities

The Executive Affairs Division supports the leadership of OMAO and the NOAA Corps by focusing on three pillars: People, Platforms, and Culture. OMAO's key principle is People-Driven Performance and means that our top priority is to focus on our workforce and improve recruiting, training, and retention. As the nexus for correspondence and liaising on their behalf, the office works to ensure clear communication channels exist throughout the organizations. With regards to Congress, this division is the central point-of-contact for OMAO and the NOAA Corps and we strive to continuously advocate for and educate about the important work that our operational staff are conducting.

Portfolio Summary

The Executive Affairs Division is the front office and headquarters staff for the Office of Marine and Aviation Operations (OMAO) and the NOAA Corps. This office provides support to the Director (OMAO's AA), Deputy Director, and Deputy Assistant Administrator of OMAO, assisting with a wide array of duties including, but not limited to, handling all OMAO internal and external correspondence; working with the Office of Legislative and Intergovernmental Affairs to plan and execute various briefs to Congressional partners; drafting and reviewing briefing materials for the Hill; interfacing with other line office representatives; and planning and executing travel with the Director and Deputies to sites of interest. The supervisor for this position would be the Chief of Staff, OMAO.

Duties of the fellow would include:

- Prepare materials for briefings and hearings with Congress on ship and aircraft acquisition, OMAO's operational status, new programs and initiatives, cross-LO interactions, and legislative implementation updates.
- Draft documents related to ongoing government policy changes in reference to the NOAA Corps and other uniformed services
- Collaborate with senior staff in the creation and revision of new OMAO- and NOAA Corps-related policies and suggestions for changes to legislation
- Review and route correspondence for OMAO and the NOAA Corps
- Liaise with the Office of Legislative and Intergovernmental Affairs to plan and execute briefings with members of Congress and other external government partners
- Review proposed legislation looking for areas that might negatively impact OMAO and work with Congress to provide technical drafting assistance

- Travel with senior staff to support the Director or Deputy, including visiting the marine or aviation centers, and visiting OMAO assets (ships and/or aircraft).

In addition, based on the expertise of the fellow, other writing and policy-related assignments may be requested

Day In the Life

The fellow should expect to be welcomed into a team environment where they will join the division's staff as a partner in OMAO and the NOAA Corps' mission. They will be immediately incorporated into the correspondence and drafting processes, as well as looped into division meetings and planning sessions to ensure they are prepared for upcoming events (i.e. travel with the Admiral, Hill briefings, strategy discussions). The fellow will be paired with various members of the staff as is relevant to the task at hand. Virtual and in-person meetings will be regular occurrences, as will periodic briefings to senior staff related to assigned projects. The fellow can expect open lines of communication between themselves and the rest of the staff. The fellow will be included in many high level meetings from the start and will be encouraged to find areas they would like to take ownership of or initiatives they would like to advance, and will be given freedom to do so. The fellow will be asked to take lead on congressional questions and get-back, working with the Chief of Staff or CFO to formulate responses.

Expertise Desired

- Strong writing and editing that can be tailored to different audiences. The fellow may be asked to draft speeches or messages to the workforce, or may be asked to prepare a briefing for the Hill that will require consolidating information into clear text.
- Some expertise in the area of Congressional correspondence and/or federal budgeting, or a desire to learn about the intersection of science, policy, and budget.
- Good communication skills and an ability to work in a fast-paced, team environment.
- Self-motivated and capable of independently briefing senior OMAO officials regularly.
- Interest in the operational component of NOAA. An ideal applicant should be willing to learn the OMAO workforce and strategize about how to tell our story, both internally and externally. We seek someone who is excited about NOAA's fleet of ships and aircraft and ready to help advance our priorities, initiatives, and advocate for our strategic and recapitalization plans.

Office Culture

This office operates under the philosophy of "People, Platforms, and Mission." Our people come first, then we make sure our assets are cared for, and then we focus on the mission. Individual concerns are not disregarded, and spaces are made to ensure those concerns are heard. There is an attitude of "none to junior," where anyone can raise a concern if it is seen. Additionally, this office believes that actions speak louder than words; the focus is to find what steps can be taken to accomplish goals and then take them, using a "bring solutions instead of problems" mentality. The environment is friendly and fast-paced, with an emphasis on open communication. The senior leadership value diversity of people, backgrounds, and cultures. They recognize the value of different voices, and a fellow in this office will find they will be consulted with and called upon for providing their thoughts and ideas.

Covid-19 Comments

Max telework, may be shifting to more in person work days.

Office Location

8403 Colesville Road, Suite 500 Silver Spring, MD 20910-3282

Travel within DC (days per month)

0-5

Travel outside DC (days per month)

0-5

Primary Mentor

Wendy Lewis, Chief of Staff

Hosted a Previous Fellow

Mentor: Yes, in a past office, Office: Unknown

Accepts Foreign Nationals

Yes

Position ID

E22-37

Position Title

NOAA CoastWatch/OceanWatch/PolarWatch Communications Fellow

Agency

NOAA; National Environmental Satellite, Data, and Information Service (NESDIS)

Office

NOAA CoastWatch/OceanWatch PolarWatch (aka CoastWatch)

Office Priorities

The NOAA CoastWatch program office is housed in the NOAA/NESDIS Center for Satellite Applications and Research (STAR) in the Satellite Oceanography and Climatology Division (SOCD). Along with program support, the CoastWatch applications team and our central operations team are also located in NESDIS/STAR/SOCD at the NOAA Center for Weather and Climate Prediction (NCWCP) building in College Park, MD. Our Regional Nodes are distributed geographically across US coastal regions and the Great Lakes and housed at other NOAA line offices including National Ocean Service (NOS), National Marine Fisheries Service (NMFS) and Office of Oceanic and Atmospheric Research (OAR). CoastWatch users and stakeholders are found in all parts of NOAA as well as outside of NOAA such as other government agencies, international partners, commercial sector users, academic researchers, etc.

Portfolio Summary

The NOAA CoastWatch/OceanWatch/PolarWatch Program (“CoastWatch”) seeks an enthusiastic Knauss Fellow to help tell our stories about satellite data and socio-economic impacts of on ocean, coastal and inland water applications. Observations from space are now routine for several physical and biogeochemical parameters in the ocean and coastal waters (e.g., sea surface temperature, sea surface height, chlorophyll concentration, ocean winds, sea ice, surface conditions). NOAA CoastWatch connects people with global and regional satellite data products for use in applications for understanding, managing and protecting ocean and coastal resources. We do this through a range of data visualization and access tools and services; curated and value-added data products; helpdesk and user forum; hands-on training courses and remote learning content; and direct collaboration on research and development of applications. We know the value of CoastWatch data through anecdotes and stakeholder stories. Documenting and quantifying these stories helps us to comply with the Foundations for Evidence-Based Policymaking Act of 2018 (“Evidence Act”) which mandates that federal agencies use data and evidence to drive resource allocation decisions. We want to show the return on investment that NOAA is making in collecting satellite observations and serving value-added and analysis-ready data products which are used in applications to inform actions. Join our team to help CoastWatch bring satellite data to broader audiences throughout NOAA and outside of NOAA to a global audience. The Fellow will work closely with Dr. Veronica Lance, the CoastWatch Program Manager to develop the specific campaign goals and projects which will follow on the Fellows strengths and interests. The Fellow will also help with coordination, promotion, and execution of our CoastWatch

presence at upcoming scientific meetings, our annual CoastWatch science meeting, and the Third International Operational Satellite Oceanography Symposium.

In this position, the Fellow will gain skills, knowledge, experience and understanding in multiple arenas, for example:

- Knowledge of the value of transforming observations and data into information and applications to solve social, economic and ecological problems
- Scientific and technical exposure to ocean remote sensing observations from satellites
- Familiarity and connections across NOAA and its missions
- How policy and decision-making can be influenced through communications
- Personal organizational and communications skills

The position is based at the National Center for Weather and Climate Prediction (NCWCP) building in College Park, MD.

Day In the Life

NOAA CoastWatch interacts across NOAA to work with data providers and satellite scientists within SOCD to stakeholders across all NOAA Line Offices and also outside of NOAA. The Program Manager also works within NESDIS and STAR on internal communications and business development. A Knauss Fellow's "Day in the Office" might include multiple meetings (virtual with COVID restrictions, or possibly in-person in the future) at different levels and scales. Some communications might be one-on-one or small groups within CoastWatch. The Fellow might represent CoastWatch in larger organizational planning meetings and might attend a scientific seminar as relevant to the Fellow's work and interests. The Fellow will also have time to work alone to research and develop ideas and draft content for user engagement stories to be used in various media outlets or presentations. The Program Manager will be actively engaged in mentoring the Fellow at important junctions but may not always be instantaneously available. Therefore, the Fellow will be expected to be able to work independently, switching gears to another relevant task or topic if temporarily "stumped" on an initial task.

Expertise Desired

The fellow must be

- Curious about the potential value of environmental remote sensing in resource management or commerce
- Enthusiastic about communicating the value of NOAA science and data
- Highly proficient in communication skills (speaking, writing, participating in groups, presentations, etc.)
- Able to work independently and in collaboration with others

Office Culture

The CoastWatch culture values team members who are actively engaged in bringing forward ideas and solutions to challenges to achieve our mission of facilitating the use of satellite data where it can benefit applications and stakeholder decision-making. A combination of collaboration and autonomy are required. Many of our team have been with CoastWatch for decades and our newest members report being "psyched to be here"! We hope our Knauss Fellows become a permanent part of our extended CoastWatch family, whether they find careers paths in NOAA or elsewhere, and will continue to help spread the word that CoastWatch exists to make using aquatic observing satellite data "easy".

Covid-19 Comments

With COVID-19, all work has been remote since March 2020. While discussions are beginning as to when we get back to the office, that timetable is still unknown. Assuming we do get back into the office during the Knauss Fellow's tenure, a combination of remote, telework and in-person will be determined in collaboration with the Fellow and given circumstances at that time.

Office Location

NCWCP, 5830 University Research Court, College Park, MD. Although, currently, we are all working remotely.

Travel within DC (days per month)

None anticipated

Travel outside DC (days per month)

Potentially some travel to a scientific conference in the US, about 5 days total.

Primary Mentor

Veronica Lance, NOAA CoastWatch/OceanWatch/PolarWatch Program Manager

Hosted a Previous Fellow

Mentor: No, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-38

Position Title

Coastal Resilience Science Fellow

Agency

NOAA; National Ocean Service (NOS)

Office

National Centers for Coastal Ocean Science

Office Priorities

The National Centers for Coastal Ocean Science (NCCOS) is a focal point for NOAA's coastal ocean science. We conduct a suite of science activities to provide coastal managers with the scientific information necessary to decide how best to protect environmental resources and public health, preserve valued habitats, and improve the way communities interact with coastal ecosystems. Headquartered in Silver Spring, and with laboratories in Charleston, SC, Beaufort, NC, Oxford, MD, and Kasitsna Bay, AK, NCCOS provides products and services through a combination of projects conducted nationwide and led by internal scientists and external competitive grant programs.

Portfolio Summary

The NCCOS Resilience and Climate Impacts priority is a growing segment of its science portfolio, with an increased number of projects and resources directed to coastal ecosystems and the services those ecosystems provide to support our coastal communities. Specifically, NCCOS research efforts seek to understand the ecosystem services that improve a community's resistance to the impacts of sea level rise and inundation. NCCOS provides timely and actionable scientific assessments, information, and tools that coastal communities use to make risk management decisions. Topical areas within the Resilience and Climate Impacts portfolio include vulnerability and risk assessments, natural and nature-based features, ecosystem impacts, and restoration.

We are seeking a Fellow to work with a dynamic team with the NCCOS Competitive Research Program and NCCOS Headquarters to lead or assist in projects that enhance and grow our Resilience and Climate Impacts portfolio through strategic engagement and partnerships. Depending on interest and expertise, the Fellow will:

- Represent NCCOS in internal and external working groups, workshops, meetings, and other forums to facilitate the transition of NCCOS science and establish strategic partnerships;
- Formulate and execute a congressional outreach and engagement strategy focused on the Resilience and Climate portfolio;
- Coordinate relevant internal and external science activities and the development of key messages;
- Support the management of projects funded through the external Effects of Sea Level Rise program;
- Inform and/or guide relevant science priorities and projects through the identification and application of key stakeholder needs.

Through a fellowship with NCCOS, a Fellow can expect to gain experience in Congressional engagement, science program management, an understanding of stakeholder needs related to climate and coastal inundation impacts, and an opportunity to establish a strong network with staff from across NOAA, state and local agencies, federal scientists, non-governmental organizations, and academic institutions.

Day In the Life

This position will be a mix of project-specific activities (ground-level) and external/cross-office coordination and engagement (high-level). The fellow will have a suite of medium- to long-term projects within their portfolio, but will also have an opportunity to respond to short-term needs, such as Congressional requests, partner needs, and other tasks that arise expectantly. We typically vary between working independently and on teams. This position will be working directly with the Competitive Research Program director, and will be collaborating with the NCCOS Chief of Staff, program managers, and staff scientists. There will also be opportunity to interact with external scientists and partners from across the country.

Expertise Desired

Background and/or expertise with coastal/estuarine ecosystem and/or climate science preferred. Ability to effectively disseminate information to scientific and lay audiences; ability to interact with diverse individuals and groups, including a wide range of stakeholders, and policymakers. Ability to understand and translate scientific concepts and results. Strong written and oral communication skills

Office Culture

NCCOS has a collaborative work environment with a culture that is centered on innovation, inclusivity and diversity, and scientific integrity. Through strategic investments, we explicitly seek to increase the diversity of our staff and to cultivate an inclusive culture that encourages different perspectives. We support NCCOS staff to be innovative in their area of expertise—both scientific and business operations—to achieve organizational excellence and advance scientific objectives. Finally, NCCOS remains committed to the highest standards of scientific integrity to provide science products, tools, and information that are evidence-based, free of political influence, and produced by the best available science and data.

Covid-19 Comments

We are currently working remotely through full-time telework.

Office Location

Silver Spring, MD

Travel within DC (days per month)

Flexible, 0-5 days

Travel outside DC (days per month)

Flexible, 0-5 days

Primary Mentor

David Kidwell, Director, Competitive Research Program

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-39

Position Title

Marine Debris Program Specialist

Agency

NOAA; National Ocean Service (NOS)

Office

Marine Debris Program

Office Priorities

The MDP is the U.S. Federal government's lead for addressing marine debris. The Program's vision is the global ocean and its coasts free from the impacts of marine debris. Six goals guide the Marine Debris Program's work: prevention, removal, research, response, monitoring and detection, and coordination. These goals are articulated in the Program's five year strategic plan as well as a commitment to diversity, inclusion, and equity.

Portfolio Summary

The Marine Debris Program (MDP) is part of the Office of Response and Restoration under NOAA's National Ocean Service (NOS). The MDP is the U.S. Federal government's lead for addressing marine debris. Marine debris includes consumer plastics, metals, rubber, paper, textiles, derelict fishing gear, vessels, and other lost or discarded human-made items that enter the marine environment every day. Marine debris is one of the most widespread pollution problems facing the world's ocean and waterways. The MDP is a highly dynamic program whose activities are mandated under the Marine Debris Act, signed into law in 2006 and amended in 2012, 2018 and 2020. Our mission is to investigate and prevent the adverse impacts of marine debris.

The NOAA Marine Debris Program is seeking a Knauss Sea Grant Fellow to serve as a Marine Debris Program Specialist. This position will focus on building relationships and knowledge and exploring opportunities for collaboration across various NOAA Fisheries offices on a key marine debris type - fishing gear. The Marine Debris Program has a robust portfolio relating to the prevention, mitigation, and removal of derelict fishing gear from the marine environment. However, due to capacity, coordination and cross program learning with NOAA Fisheries has been limited. This position would work collaboratively to answer the following question: What can we do to better coordinate across NOAA to prevent gear loss and mitigate its impact once lost? We envision 50% of the position's time will be dedicated to marine debris fishing gear related duties. A sample of the activities for this project include:

- Developing a working knowledge of programs and activities across NOAA related to derelict fishing gear prevention, mitigation and removal;
- Understanding gear mitigation actions taking place at regional Fishery Management Councils and by U.S. state government entities;
- Supporting the Marine Debris Program on active contracts, grants and other projects related to derelict fishing gear;

- Supporting the design and implementation of a trilateral project with the governments of Canada and Mexico to address derelict fishing gear in North American waters; and,
- Developing recommendations on collaborative opportunities and projects to prevent gear loss.

We envision another 25% of this position to be dedicated to special projects. A key special project would be supporting the 7th International Marine Debris Conference, to be hosted by the Republic of Korea in September 2022. The Fellow would serve on the conference Executive Planning Committee and help plan and execute this major international event with the government of the Republic of Korea and the UN Environment Programme. The Fellow can expect to be a full member of the MDP team and the remaining 25% of the fellowship year can be dedicated to an additional area of interest.

At the completion of the fellowship year the Fellow can expect to gain:

- In-depth knowledge of marine debris issues affecting our ocean and Great Lakes
- Expertise on NOAA programs related to fishing gear and reducing impacts of fishing gear on the marine environment, living marine resources and the economy
- Experience in working with international partners and the U.S. Department of State to address transnational marine debris issues
- Contacts across NOAA

Day In the Life

The day in the life of the Fellow will include regular contact with the mentor and greater team on projects. The Fellow can expect a typical day to include meetings to advance projects, as well as opportunities to research, learn, and participate in workshops, conferences, or professional development opportunities. The Fellow will interface with the Marine Debris Program Team, including Regional Coordinators, Management, International Activities and Partnership Specialist, the Science Team, as well as contacts at the Office of Sustainable Fisheries. This position is based out of NOAA Headquarters in Silver Spring, MD.

Expertise Desired

- Strong written, oral, and interpersonal communication skills and an enthusiasm about working on marine debris issues.
- An ability to gather, synthesize, and edit information.
- An ability to work well both independently and as a team member.
- Working knowledge of Microsoft Word, Excel, and PowerPoint.
- Ability to work on multiple projects, be responsive to deadlines, and shift priorities as needed.
- Familiarity with science, policy and/or management issues related to marine debris or fisheries is a plus.

Office Culture

The Marine Debris Program is a division within a larger office, the Office of Response and Restoration. The culture of the Office of Response and Restoration, as well as the divisions within, is one of inclusion and respect. Years of deliberate effort from many dedicated leaders and staff have made the office an inclusive and collaborative environment for talent to thrive. The Marine Debris Program is a dynamic and fast-paced work environment. The culture of the office is collaborative and supportive. The team is made up of 28 people that are located throughout the country. The Program is a mix of federal employees, contractors, and depending upon the year, fellows and interns. Diversity and inclusion are

core principles within the Office of Response and Restoration, as well as integrity, service, and respect. These principles are in play every day and an expectation for every team member.

Covid-19 Comments

The office is in mandatory telework until further notice.

Office Location

SSMC Silver Spring, MD

Travel within DC (days per month)

2

Travel outside DC (days per month)

1 known trip opportunity

Primary Mentor

Steve Morrison, International Activities and Partnership Specialist

Hosted a Previous Fellow

Mentor: No, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-40

Position Title

Fisheries-Dependent Data Specialist

Agency

NOAA; Headquarters Office

Office

Office of Science and Technology

Office Priorities

Our Mission:

Our mission is to provide a formal way for NOAA Fisheries to address observer issues of national importance, and support observers and regional observer programs through development of necessary policies and procedures. The policies must reflect the diverse needs of regional observer programs while enhancing data quality and achieving consistency in areas of national importance.

Our Objectives:

Coordinate the National Observer Program Advisory Team.

Communicate and advocate the mission of the National Observer Program and each regional observer program.

Develop and support national standards and policies to create high-quality, cost-effective, efficient, and productive observer programs.

Characterize the activities and resources of NOAA Fisheries observer programs through annual reports and other means, and advocate for full support of regional programs.

Our Activities:

- Enhancements to data quality and data collection procedures
- Develop and evaluate NOAA Fisheries initiatives to improve the quality of observer data from regional observer programs.
- Evaluate the procedures for collection of observer data, including the review of data collection methodologies and bycatch estimation procedures.
- Develop technological and methodological enhancements to improve data collection techniques.
- Enhance the quality of data collected by observers through development of national standards for the collection, management, and distribution of observer data.
- Enhance integration of observer data with other data collection programs such as logbooks, VMS, and landings reports.
- Develop and update a national bycatch report for documentation of regional and national bycatch estimates and estimation procedures, identification of gaps in coverage, and input into strategic planning processes.
- Policy development.

- Identify amendments under the Magnuson-Stevens Fishery Conservation and Management Act, Marine Mammal Protection Act, Endangered Species Act, and other federal legislation necessary to support observer program activities.
- Develop national policies on issues of national concern to observer programs, such as hiring and training observers, observer safety and health, and data confidentiality.
- Observer support
- Recognize and support the needs of observers so they are able to collect high-quality scientific data.
- Communicate National Observer Program activities of interest to the observer community.
- Program enhancements.
- Identify the agency's highest priorities for observer data collection and make recommendations on how observer programs can fulfill those needs.
- Review regional observer programs and make recommendations on how to improve program operations and administration.
- Review the cost efficiency and effectiveness of observer program operations.
- Outreach and education.
- Communicate the goals and objectives of NOAA Fisheries observer programs at a national level.
- Support and coordinate the outreach activities of regional observer programs.
- Formalize working relationships between observer programs and other state/federal agencies and organizations.
- International Support and participate in the International Fisheries Observer Conference.
- Support policies and practices that help ensure safety of observers in international fisheries.
- Assist other NOAA Fisheries offices with international observer-related issues.

Portfolio Summary

This Fellowship opportunity is based in the NOAA Fisheries Office of Science and Technology's National Observer Program (NOP) in Silver Spring, MD. The NOP coordinates 17 regional observer programs that deploy approximately 850 trained biological scientists each year, who collect data critical to the mission of NOAA Fisheries, including data for stock assessments.

For more than four decades, NOAA Fisheries has used fishery observers to collect catch and bycatch data from U.S. commercial fishing and processing vessels, as well as from shore-side processing plants and "motherships" (also known as receiving vessels). Our eyes and ears on the water, observers are professionally trained biological scientists gathering first-hand data on what's caught and thrown back by U.S. commercial fishing vessels. The high-quality data they collect are used to monitor federal fisheries in accordance with regulations such as the ESA, MMPA, and MSA. The data are also used to assess fish populations, set fishing quotas, and inform management of those fisheries. In recent years, emerging electronic technologies have enhanced the collection of commercial fisheries data. These new technologies hold promise in making data collection more timely, accurate, and cost-efficient.

During this fellowship, there will be many opportunities to interact with NOAA Fisheries leadership and coordinate with NMFS science centers, Regional offices and national line offices working toward modernizing our Nation's fisheries-dependent data collection programs. The Fisheries-Dependent Data Specialist will help lead one or more of the following projects:

- Analyze electronic monitoring and observer program sea day requirements as stipulated by federal regulation along with reviewing recent observer coverage, and current observer/EM coverage levels.
- Work with regional observer/monitor programs and assessment groups to develop long- and short-range goals for allocating national resources to meet the agency's monitoring goals and regulatory priorities, and answer the following questions:
 - Is the amount of data acquired by target and/or achieved coverage adequate for high-quality management decisions and regulatory requirements?
 - Are national resources allocated equitably to address regulatory and management needs?
 - Can Regional Observer Programs learn from other program's sea day analyses and target coverage calculations (i.e. SBRM) to improve their sea day coverage rates?
- Develop long and short range goals for allocating national resources to meet the agency's goals and regulatory priorities.
- Conduct or lead an analysis (regionally or nationally) to help better understand industry vs agency costs for camera-based electronic monitoring (EM) in commercial fisheries, and develop a publication for this analysis. The results of this analysis could assist in:
 - Developing better standards for collecting cost information in the future.
 - Creating a more standardized way of collecting EM cost information for future iterations of NMFS Regional Electronic Technology Plans.
- Develop a data collection design for a future monitoring program that pairs human observers and EM, which would answer the following questions:
 - What would target coverage rates be?
 - What would each system collect?
 - What would the costs be?
 - How can we build a road map for future programs pairing federal observer coverage with an EM program?
- Lead a working group of observer program managers and National Bycatch Report (NBR) analysts in the review and updating NBR tier classification system (TCS) criteria.
- The Fellow will manage the TCS evaluation process based on bycatch data collection and estimation practices as of 2020, and analyze and compare 2020 results to results published in Benaka et al. 2021. The final product will be the publication of a NOAA Tech Memo or journal article.
- Assist in the development and organization of fishery dependent data themed sessions at national and international conferences, such as the American Fisheries Society Annual Meeting (Spokane, WA August 2022 and the International Conference on Environmental Systems in May, 2022 (Barcelona, Spain).
- Coordinate and administer two National Observer Program Advisory Team meetings, which would include presenting updates on Fellowship projects. The meetings typically alternate between the East and West coast of the United States.

The Fellow will also be able to attend meetings and conferences that pertain to their area of interest with fisheries such as:

- National Observer Program Safety Advisory Committee

- NOAA Fisheries Electronic Technologies Working Group Annual Meeting
- Fisheries Management Council Meetings
- Fisheries Commission Meetings
- International Council for the Exploration of the Sea (ICES) Annual Conference
- ICES Working Group for Technology Integration for Fisheries-Dependent Data (WGTIFD) Meeting

In addition to the travel opportunities listed above, the Fellow will have opportunities to interact with senior leadership, as well as travel to meetings in the Washington DC area and NOAA Fisheries science centers. By the completion of the Fellowship, the Fellow will have developed a vast professional network and gained a firm understanding of NOAA Fisheries science and management programs and how they are implemented to support sustainable fisheries.

The Fellow will be mentored by three Office of Science and Technology employees: Ken Keene, the National Observer Program Coordinator, Brett Alger, the Electronic Technologies Coordinator with the NOP, and Lee Benaka, the Bycatch Reduction Coordinator with the NOP. The National Observer Program has hosted numerous Knauss fellows, many who have found gainful employment at NOAA Fisheries, academia, and international resource management agencies.

Day In the Life

Currently we are all working remotely. There is an expectation for that to continue until the pandemic lifts, and even then it may continue for some employees and fellows. Currently we meet via Google Meeting, often, and interact using phone (call and text), Gchat, and email. Hopefully when the facilities open up, we can spend some time going around the HQ office for introductions and familiarization.

Expertise Desired

Strong self-motivation and ability to work independently while also working in team settings and seeking direction from a broad network of subject matter experts; data analysis skills, including the ability to analyze and display data using Microsoft Excel and other programs; strong written and verbal communication skills; interest and enthusiasm about fisheries data collection and sustainable fisheries management.

Office Culture

Our team is very laid back and friendly, at the same time they are very professional and are experts in our field. I can say the same for many of those we interact with at this level. Our leadership is fantastic. We are offered support at all levels, and the office is a comfortable setting where everyone is welcomed.

Covid-19 Comments

Remote currently. 1 of the three mentors is in HQ full time (sans pandemic), the others occasionally.

Office Location

Silver Spring, MD (currently remote in NJ)

Travel within DC (days per month)

0.3

Travel outside DC (days per month)

0.5

Primary Mentor

Ken Keene, National Observer Program Coordinator (NOP)

Hosted a Previous Fellow

Mentor: No, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-41

Position Title

Climate Policy Fellow / Special Assistant

Agency

NOAA; Oceanic and Atmospheric Research (OAR)

Office

OAR Office of the Assistant Administrator

Office Priorities

The Senior Advisor for Climate provides the primary leadership and strategic coordination required for NOAA to deliver authoritative, climate products and services to the Nation. As a climate science and policy fellow, you will join the Senior Advisor's team working to coordinate and integrate activities across NOAA's portfolio of climate-related programs.

Portfolio Summary

The fellow selected for this position will be working at the highest levels of leadership and strategic coordination related to NOAA's delivery of climate products and services. The Fellow will work directly with NOAA's Senior Advisor for Climate, and can expect to learn about the leadership and strategic coordination required for NOAA to deliver climate products and services to the Nation, as well as internationally. This role will help the fellow enhance their management, coordination, and leadership skills while leveraging their existing skills towards the global challenges presented by climate change. In this role, you will have the opportunity to support the Senior Advisor for Climate in providing strategic advice and scientific leadership for NOAA's climate activities, developing climate-related partnerships with national and international organizations, engaging on climate issues internationally [including through continued leadership of the Intergovernmental Panel on Climate Change (IPCC)], performing representational duties in various high-visibility forums, and much more. Through these efforts, you will have the opportunity to develop and maintain positive working relationships with leadership and staff across every line office within NOAA and with key external partners.

Towards these larger goals, you will be specifically responsible for: drafting technical documents including presentations, white papers, and briefing memos; managing email correspondence, event requests, and providing staff support on a range of activities and processes; planning and participating in discussions, presentations and briefings with internal and external audiences; providing policy advice; and managing special projects (including projects of unique interest to the fellow). For example, recently, our team has worked on a variety of products, including:

leading and actively participating in the approval of the newest IPCC report (the Physical Science of Climate Change), and communicating the key findings to all of the major US press outlets and to Congress and the White House;

representing NOAA on various interagency councils, include the Climate Security Advisory Council -a partnership between the intelligence community and federal science agencies to address international climate security;

leading the development of a Gender Policy and Implementation Plan for the IPCC;
presenting to the National Academy of Sciences on NOAA's Climate Services ;
And much more!

Day In the Life

As a high level position situated at NOAA's headquarters, this position is fast-paced, dynamic, and gives you exposure to all aspects of NOAA's climate portfolio. The fellow will work directly with the Senior Advisor to help NOAA align, integrate, and extend its capabilities to provide the services needed to address the climate challenge. The Fellow will also work closely with the current senior program analyst supporting this large portfolio.

Daily activities include briefing the Senior Advisor on key issues, opportunities, and upcoming deadlines, planning and coordinating intra- and interagency collaborations, and maintaining regular communication with relevant programs and staff. The fellow will routinely provide policy advice, draft information on a variety of science and administrative topics, and staff the Senior Advisor at important meetings. This will include balancing a combination of high priority requests and longer term projects in a fast-paced work environment. You will interact with countless individuals within NOAA and across other agencies, as well as domestic and international partners.

Expertise Desired

- Strong writing and editing skills.
- Ability to distill large amounts of information to a prioritized subset.
- Strong communication skills and interpersonal skills
- Strong time management, organization, and prioritization skills
- Comfortable working on short deadlines.
- Ability to work cooperatively as a team player
- This position does not require any specific topical expertise; however, an understanding of climate science and an interest in building knowledge of NOAA's climate research, applied science, and policy priorities is important.

Office Culture

Our work environment is often fast-paced and dynamic, with constantly changing priorities and demands. As a small, close-knit team, we are able to maintain positive, friendly relationships and collaborate to get the work done. This results in a strong sense of teamwork, where we remain well-aligned on our goals, and constructive debate is always encouraged!

Covid-19 Comments

We are currently on full time telework, with essential travel only. If travel restrictions are lifted during the fellowship year, the fellow may be asked to support the Senior Advisor on travel (domestic and international).

Office Location

SSMC3

Travel within DC (days per month)

Typically 0-5 days a month (will depend on COVID-19 travel policies)

Travel outside DC (days per month)

Typically 0-5 days a month (will depend on COVID-19 travel policies)

Primary Mentor

Ko Barrett, Senior Advisor for Climate

Hosted a Previous Fellow

Mentor: No, Office: No

Accepts Foreign Nationals

No

Position ID

E22-42

Position Title

Policy Analyst and Special Assistant

Agency

NOAA; Oceanic and Atmospheric Research (OAR)

Office

OAR Office of the Assistant Administrator

Office Priorities

Our office is the focal point of OAR. We have high visibility and interact with all entities within OAR and across other Line Offices in support of the fulfillment of the NOAA mission. We serve as advisors to Leadership on policy, program, and operational planning and implementation and serve as primary points of contact within OAR, across line offices & with NOAA HQ on cross-cutting strategic and tactical issues.

Portfolio Summary

Portfolio Summary Looking for an opportunity to work at the intersections of science, policy, and management? Eager to build on your scientific knowledge and put your skills to use in an applied way? Want to better understand how federal science and research organizations work and the strategies that are used to ensure that they produce mission-relevant research that both advances scientific understanding and delivers societal benefits? If so, this is the ideal position for you. The Oceanic and Atmospheric Research (OAR) Line Office or “NOAA Research” conducts and sponsors cutting-edge science in support of NOAA’s mission under the broad themes of oceans and coasts, climate, and weather. OAR consists of ten federal research laboratories around the country, seven program offices, sixteen Cooperative Institutes, and 33 university-based Sea Grant programs.

Due to the diverse nature of the work and portfolio, the Fellow will experience a wide range of topics related to NOAA's science and technology enterprise. The Fellow will work directly with OAR’s Assistant Administrator (AA), Deputy Assistant Administrators (DAAs), and Chief of Staff (CoS), and can expect to learn first-hand the complexities associated with operating a large science organization from the leadership level. They will provide policy advice, lead briefings on a variety of science, policy, and administrative topics, assist with management decisions related to organizational efficiency, and staff the AA at important meetings and select travel. The Fellow will learn how decisions are made at several levels of government (Line Office, agency, federal government, Capitol Hill), and have an opportunity to contribute to those decisions. This is an ideal position for those seeking to enhance their management and leadership skills while gaining a high-level appreciation for science and research in the federal service. The Fellow will be uniquely positioned in OAR’s executive office suite and will have the opportunity to lead special projects that are of interest to the Fellow. Examples of special projects lead by previous Fellows:

- Participating in meetings with members of Congress on Capitol Hill

- Leading the organization of special sessions and plenaries at the Marine Technological Society Oceans international conference
- Serving as OAR's Executive Secretariat on NOAA's Ocean and Coastal Council (NOCC), a principal advisory body to NOAA's Office of the Under Secretary
- Assisting in the development of OAR priorities for NOAA's Blue Economy initiative
- Facilitating the development of incentive prizes with the XPRIZE Foundation
- Coordinating an international Workshop on Ocean Acidification
- Supporting the official U.S. Delegation to the Intergovernmental Oceanographic Commission (IOC), the United Nations organization for marine science
- Supporting the role of the Assistant Administrator (an IOC role) in creation of a roadmap to the UN Decade of Ocean Science for Sustainable Development
- Working with attorneys from the Office of General Counsel on NEPA compliance issues for marine research
- Supporting NOAA's efforts to implement the National Ocean Policy and White House level Ocean Policy Efforts
- Assisting with the development, organization, and execution of an inaugural Young Explorers Program at sea with OceanX
- Coordinating and moderating an international panel to discuss specific challenges related to the UN Decade of Ocean Science for Sustainable Development

Day In the Life

As a high-level position situated at the top of the organization of a line office, this position is fast-paced, dynamic, and gives you exposure to all aspects of NOAA Research. You will interact with countless individuals within NOAA, across other agencies, and with international partners and private industry. Your day to day will challenge and empower you to help NOAA's research enterprise work in the best way to support the amazing services NOAA provides. Expect to never have a dull moment and (virtually) run from topic to topic and meeting to meeting.

Expertise Desired

This fast-paced position requires the Fellow to be organized and flexible, manage time well, prioritize tasks, and problem solve. Excellent interpersonal and communication skills are essential, as well as discretion. You must be adept at gathering, organizing and editing written information and working independently on short deadlines. The Special Assistant needs to be a team-player and quickly integrate into OAR's Front Office team. The Fellow should assimilate quickly into a demanding virtual and potential travel schedule. A sense of humor is greatly appreciated!

Office Culture

Our office culture revolves around being multifaceted and having a positive "make it happen" attitude. Although we each have our own "lanes", we are all capable of stepping in to help support each other for the greater good of the team and NOAA. Consequently, we are a highly capable team that is able to execute the many high-priority duties entrusted to us to make sure NOAA's research enterprise runs smoothly. As our leader, Craig McLean welcomes our input and perspectives and is highly supportive and caring. And we laugh! Our office isn't one that supports hostile environments where people can't be themselves. Lastly, our office is a teaching office. We take pride in sharing new skills, tricks, and

information with each other that will help us become better people as well as better ocean and coastal professionals. This includes Craig, who often shares so much wisdom, history, and insight with all of us.

Covid-19 Comments

Currently following NOAA's covid-19 re-entry guidelines and full-time teleworking as of October 2021. Due to the nature of our work with senior leadership, this position will return to the office once NOAA designates safe re-entry.

Office Location

Silver Spring, MD

Travel within DC (days per month)

3-5

Travel outside DC (days per month)

3-5

Primary Mentor

Craig McLean, Assistant Administrator, NOAA Research

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-43

Position Title

Coastal Hazards and Mitigation Specialist

Agency

Federal Emergency Management Agency (FEMA);

Office

Hazard Mitigation Assistance (HMA) Division, Community Infrastructure Resilience (CIR) Branch

Office Priorities

CIR is a multi-disciplinary team that supports stakeholders in building back better after a disaster. The team collaborates to develop and lead trainings, create practical disaster-resilience handbooks, streamline grant delivery, and ensure field staff are empowered to meet the needs of communities served. CIR is enthusiastically building strong connections among internal and external stakeholders, including CSO, to achieve FEMA's vision of a prepared and resilient nation.

CSO's mission is to help coastal states and territories maintain their leadership role in the development and implementation of national coastal and ocean policy; provide information, updates, and alerts that keep states attuned to developments in Washington, D.C.; conduct outreach and education with Congress and the Administration; and maintain a national coastal management community of practice. The CSO staff office represents its members (governor-appointed delegates representing state and territory coastal management programs) across a wide range of coastal policy areas (e.g., coastal hazards, climate change, water resources, habitat protection, sustainable development, coastal infrastructure, recreation/tourism, fisheries and aquaculture, ocean management, energy development). CSO works closely with partners in federal agencies, and national nonprofit allies on projects to enhance the work of coastal programs to support, protect, and enhance coastal communities.

Portfolio Summary

The Coastal Hazards and Mitigation Specialist will play a critical convening role in an ongoing effort to more effectively integrate the work of FEMA's Hazard Mitigation Assistance (HMA) Division and the activities of the Coastal States Organization (CSO), a non-governmental organization representing 36 state coastal management programs. This is a unique Fellowship opportunity to work jointly with a Federal Agency and a national nonprofit partnered on national- and state-level coastal policy priorities. FEMA's HMA Division provides funding for mitigation projects nationwide to reduce vulnerability of communities to disasters and their effects. The HMA division includes three mitigation grant programs (the Hazard Mitigation Grant Program, Flood Mitigation Assistance Program, Building Resilient Infrastructure and Communities Program) and coordinates mitigation under the Public Assistance (PA) Program. These funding programs have different program requirements, but all share the common goal of reducing the loss of life and property due to natural hazards and provide billions of dollars each year for resilience. HMA staff work across the Agency, with FEMA's 10 regions, and with state and local staff to communicate about mitigation grant programs, review projects and applications, provide tools and

training, develop policy and guidance, and ensure the successful delivery and use of mitigation funds. The Fellow will work primarily with the Community Infrastructure Resilience Branch (CIR) at FEMA. CIR Branch promotes and supports post-disaster resilient reconstruction, helping communities build back better.

CSO represents and supports the 36 state and territory coastal management programs that implement the federal/state partnership of the Coastal Zone Management Act. CSO staff works closely with agencies such as FEMA, National Oceanic and Atmospheric Administration (NOAA), United States Army Corps of Engineers (USACE), Environmental Protection Agency (EPA), and others, as well as with national nonprofit allies, to coordinate on shared coastal policy issues and improve access for coastal states, territories, and local communities to federal programs and resources.

FEMA and coastal management programs share the common goal of reducing the loss of life and property due to natural hazards. The Fellow will act as the direct line of communication between CSO's members and HMA to deliver information about FEMA's programs and funding opportunities to coastal stakeholders and share coastal stakeholder feedback and priorities with FEMA staff to improve program delivery.

The Fellow will lead:

- CSO's Coastal Hazards Planning and Adaptation (CHPA) Work Group that organizes CSO members around coastal hazards, mitigation funding, climate adaptation, and resilience planning issues;
- Support HMA's External Stakeholder Work Group, which is made up of 12 individuals from states, local communities, tribes, and territories (SLTTs) to provide an opportunity for FEMA staff and external colleagues to partner together to promote sustained and equitable investments in risk reduction; and
- The National Public Assistance Mitigation Monthly Coordination calls, which convenes PA staff to discuss headquarters and regional updates related to PA Mitigation policy and in the field;

The Fellow will also:

- Help develop policy and relationships that meet the shared needs of coastal stakeholders through FEMA and CSO partnerships;
- Assist program staff in CIR with a focus on the policy and communication portfolios, including reviewing policy and guidance language, developing external communication materials, and participating in stakeholder meetings;
- Connect with FEMA Staff across the Agency on CSO initiatives and deliver FEMA resources to coastal members and partners via CSO's platform;
- Participate in the planning and execution of CSO's Winter and Fall Meetings, which bring members together to discuss administrative objectives, strategic priorities, and to learn directly from other partner agencies and organizations;
- Support the advancement of inter-agency partnerships between FEMA and NOAA with support from CSO and other non-profits
- Improve FEMA's engagement in US territories through the coastal program to enhance participation in mitigation programs and resources.

Issues or projects for FEMA/CSO coordination could include: Public Assistance Mitigation; FEMA Building Sciences; loss avoidance studies; mitigation grant programs including the Building Resilient Infrastructure and Communities (BRIC) Program, Flood Mitigation Assistance, and the Hazard Mitigation Grant Program; nature-based solutions (natural/green infrastructure); infrastructure resilience;

environmental justice and underserved community resilience; comprehensive planning; economic policy and benefit cost analysis; communications; trainings; and climate resilience. The Fellow will have the flexibility to develop their own program portfolio, based on their own interests and expertise.

Day In the Life

FEMA's Hazard Mitigation Assistance (HMA) Division works across the Agency and with FEMA's 10 regions on high level (30,000-foot level) topics including coordinating with other Federal Agencies on mitigation and resilience initiatives, applying a consistent national approach to disaster recovery (including mitigation), and communicating with leadership and other high-level partners about FEMA's mitigation programs and opportunities. The majority of HMA program staff work at the ground level (3000-foot level) to manage and deliver FEMA's four mitigation programs, review applications and projects, develop policy, guidance, tools, and training, and share information about mitigation grant opportunities and successful case studies.

The Coastal Hazards and Mitigation Specialist will work at the 30,000 ft. level across multiple FEMA program offices, as well as at the 3,000 ft. level within the Community Infrastructure Resilience Branch (with eight other staff members) working on projects related to post-disaster mitigation. In this role the fellow will have an opportunity to work jointly with the other branches in HMA to work on FEMA's three other mitigation grant programs, policy and training development, communication, and the Benefit-Cost Analysis toolkit. The fellow may also work with other divisions including Risk Management which houses Mitigation Planning, Floodplain Mapping, Building Science, and the Risk MAP program, and Public Assistance, which is FEMA's largest post-disaster grant program.

As a key member of CSO's small, dedicated staff office (five full-time employees and typically two Fellows), the Coastal Hazards and Mitigation Specialist will be expected to serve as a senior-level staffer responsible for implementing our hazard mitigation and climate adaptation priorities at the 30,000 ft. and 3,000 ft. level. The Fellow will lead the CHPA work group; develop and implement policy research projects; contribute to other CSO initiatives; connect CSO members with FEMA information, resources, and people; participate in annual member meetings; and respond to member requests. In this role the Fellow will lead efforts on coastal resilience and hazard focused work but will also have the opportunity to engage on the full range of coastal management topics that CSO collaborates on with partners at other federal and state agencies, as well as partner nonprofits.

Expertise Desired

Knowledge and experience in hazard mitigation, especially in coastal environments, will be helpful. Experience working with diverse groups, including state and local environmental managers or planners, will be helpful. Facilitation, communication, and planning skills, and subject knowledge of coastal environments, are desired. Skills with conveying technical material both orally and in writing, for a variety of audiences, are valued. Fellow will need to take the lead on their principal projects; however other work will be more collaborative. Since the Fellow will be working jointly between two host offices, time management and organizational skills are important. The office settings of FEMA headquarters and the CSO office are busy, and the Fellow will be exposed to the work and projects both offices.

Office Culture

FEMA's mission is to help people before, during, and after disasters. This mission is present in all work at FEMA and is a strong component of the Hazard Mitigation Assistance (HMA) Division. The HMA division

includes more than 200 dedicated staff across the country who work closely with federal partners and support states, local communities, tribes, and territories (SLTTs) to reduce nationwide vulnerability to disasters and natural hazards. HMA's vision is to be a driver for resilience through partnerships and mitigation investments, and HMA's mission is to design, build, and nurture high-performing teams that promote and deliver risk reduction programs. The HMA division at FEMA headquarters develops the programs, policy, guidance, tools, communication, and training to ensure the mitigation programs are delivered successfully to communities nationwide to build resilience.

CSO is a small, tightly knit professional office with a core full-time staff that works in partnership with members – coastal management practitioners in state and territory governments across the nation – and with national allies to achieve programmatic goals. As a nonprofit organization, CSO is able to be nimble in responding to new national policy developments, working through a flat leadership structure in consultation with our membership Executive Committee, and to amplify federal/state coordination efforts through policy analysis, advocacy, technical assistance, strategic communications, and partnership projects.

Through this partnership between FEMA and CSO, the Fellow will have an opportunity to work on coastal climate adaptation and hazard mitigation issues on a multitude of levels to help each office address the mutual goal of increasing coastal resilience.

Through this joint position, CSO and FEMA are committed to ensuring that the Fellow's work meets their professional development goals, connects them with coastal experts to build their network, and takes advantage of opportunities to pursue training and development. The host offices will allow flexibility for the Fellow to incorporate projects and professional development activities that are of specific interest to the Fellow to further their career goals. Both organizations are committed to work life balance and participates in team building activities and supports a collaborative culture.

Covid-19 Comments

FEMA is currently doing maximum telework through January 2022 and does not have additional information yet for beyond Jan. 2022. CSO is following DC COVID guidelines.

Office Location

FEMA HQ, 400 C St SW, Washington, DC 20024

Travel within DC (days per month)

Assuming an in-person work environment - FEMA and CSO offices are close to each another in downtown Washington, DC. The Fellow will spend time in both offices each week, which are both accessible via the metro (CSO-Union Station and FEMA-L'Enfant Plaza or

Travel outside DC (days per month)

0-5

Primary Mentor

Rachel Chain, Interdisciplinary Engineer

Hosted a Previous Fellow

Mentor: No, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-44

Position Title

Special Assistant to the Deputy Assistant Director for Ecological Services

Agency

U.S. Fish and Wildlife Service (USFWS)

Office

Headquarters, Ecological Services

Office Priorities

The Ecological Services Program provides national leadership for the conservation of species and the habitats on which they depend, including those protected by the Endangered Species Act, Fish and Wildlife Coordination Act, Coastal Barrier Resources Act, Marine Mammal Protection Act, and Clean Water Act. Through leadership in environmental restoration and response, environmental reviews of Federal projects, listing and recovery of protected species, and management of decision support and mapping tools, the Program works closely with partners to meet the conservation challenges of today and tomorrow.

Ecological Services staff use the best available science and sound managerial techniques to further the Service's mission to conserve, protect, and enhance fish and wildlife and their habitats for the continuing benefit of the American people. Through a partnership approach, we implement programs to promote habitat conservation and environmental health, recover endangered species, share information, and advocate for sound land and water management that conserves fish, wildlife, and plants.

Portfolio Summary

We are excited to host a Sea Grant Fellow in the fast-paced world of Ecological Services within the U.S. Fish and Wildlife Service (FWS). As the Special Assistant to the Deputy Assistant Director (Gina Shultz), the Fellow will support critical issues on behalf of the Deputy Assistant Director, her leadership team, and sometimes her supervisor, the Assistant Director. Under the leadership of the Deputy Assistant Director, the Fellow will coordinate work on new and changing policies, regulations, and initiatives for the ES Program ensuring alignment with current administration priorities. The Fellow will be responsible for project management, leadership collaboration, and several individual projects throughout the year; past fellows have worked closely with national pesticide consultations, implementation of the National Environmental Policy Act (NEPA), advancements to the Information for Planning and Consultation (IPaC) online tools, and as key support staff for cross-programmatic teams of top-level FWS leadership. During the fellowship year, there is flexibility for the Fellow to become more deeply involved with office priorities that spark personal and/or professional interest. This position is an excellent opportunity to join a great team, be involved with complex issues, and influence conservation in our country. It is also a great opportunity for networking, professional development, and exposure to the FWS at a national level. Although all travel is currently on hold, the remote working environment provides many novel

opportunities to directly engage with leadership across the FWS, both within Ecological Services and with other programs. We hope to return to the office as soon as it is safe to do so, and in the meantime this position is completely virtual and telework-friendly. At this time, the Fellow is welcome to telework from any location as long as their schedule is calibrated with Eastern Time, but they will be requested to report to the Falls Church office should normal operations resume.

Day In the Life

This is a high level, 30,000 foot position that focuses on cross-programmatic work across the Agency. Staff within the Ecological Services Program at FWS Headquarters (in Falls Church, VA) are responsible for developing national policies and guidance to facilitate implementation of the Endangered Species Act and other laws; preparing and reviewing rulemakings; coordinating litigation related to the program; conducting and reviewing environmental reviews with other Federal agencies; providing outreach and building partnerships to advance the Program's goals; coordinating the Cooperative Endangered Species Conservation Fund and its expenditures; preparing justifications for the budget; and allocating the budget once it is received from Congress. The Fellow will have the opportunity to engage in many of these activities based on their interest. This could include preparing briefing materials for FWS leadership, compiling information for litigation, reviewing public comments on rules and regulations, writing material for publication in the federal register, reviewing grants, and more.

Expertise Desired

Excellent collaboration, organizational, and people skills; strong written and oral communication; ability to manage multiple tasks under deadlines; ability to work independently if needed; ability to remain level-headed and flexible in a fast-paced and changing environment; ability to creatively develop alternative solutions; ability to proactively improve upon Program processes. Knowledge of the Endangered Species Act is not required. Interest in both aquatic and non-aquatic species conservation strongly recommended.

Office Culture

Our office considers our working culture a very high priority. For over 5 years, we have worked hard to develop a culture of “us” where employees want to come to work because it’s a positive and welcoming environment. Our office has identified a set of cultural beliefs, results, and actions to measure our progress towards three central goals: 1. To create a cohesive culture of excellence; 2. To be visionary leaders, trusted partners, and wise counselors in support of others; and 3. To empower lasting success in the conservation of imperiled species and habitats. ES HQ keeps office culture, diversity, equity, and inclusion at the forefront of our work, recognizing their importance in employee well-being and the success of our mission. We recognize that we must always continue to improve, and thus we have an Equity Champions group within our office dedicated to that commitment.

The fellow will work directly with the Deputy Assistant Director and Executive Leadership Team in a collaborative team environment where the fellow’s input is always welcomed and valued. Although working at such a high level in the office requires independence, the fellow is a critical part of the office and will have the benefit of being able to join various smaller teams throughout the year as project interests are developed. The fellow will also be included in office culture through office-wide activities, including baseball outings and game nights, as well as regular book clubs and round table discussions intended to provoke thought and discussion.

Covid-19 Comments

Ecological Services Headquarters is currently working 100% remotely. The Fellow will be provided with the office equipment needed to securely telework, and will have the opportunity to fully engage with the office and the agency via remote meetings.

Office Location

Falls Church, VA

Travel within DC (days per month)

1-5 (flexible) if typical travel resumes

Travel outside DC (days per month)

1-5 (flexible) if typical travel resumes

Primary Mentor

Gina Shultz, Deputy Assistant Director for Ecological Services

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-45

Position Title

Knauss Fellow

Agency

Federal Emergency Management Agency (FEMA)

Office

Flood Mitigation Assistance Grant Program

Office Priorities

The Flood Mitigation Assistance program provides grant funding for projects that reduce or eliminate the risk of repetitive flood damage to buildings insured by the National Flood Insurance Program. We strive to implement the program with climate and equity.

Portfolio Summary

1) Gathering and preparing best practice stories from over 25 years of Flood Mitigation Assistance (FMA) grants

- Review individual property mitigation and community flood mitigation projects and determine how well mitigation activities reduce flood risk. Use insurance claims information, GIS, remote sensing techniques to find examples of mitigated properties that have experienced flood events following mitigation. More specifically, review drainage projects on barrier islands to assess effectiveness of mitigation activities.
- Content creation – develop brief writeups, newsletters, infographics, ESRI storymaps, videos, or other multimedia products that highlight FMA individual property mitigation and community flood mitigation projects.
- Inventorying severe repetitive loss and repetitive loss properties that have been mitigated & potential successes.

2) FMA is one of 21 federal programs participating in the White House's Justice40 Initiative, which aims to target 40% of program benefits towards disadvantaged communities disproportionately impacted by climate.

- Perform research and implement methodologies on how to measure FMA program benefits flowing to disadvantaged communities.
- Help develop and transform the FMA program from a climate adaptation to climate mitigation program to proactively combat climate change
- Track open space / green space using created from past flood mitigation projects, using a GIS/ remote sensing approach.
- Perform analytics related to climate and equity.
- Explore how FMA can bring downscaled climate data and other projections to better inform mitigation projects

3) Engage with other FEMA programs based on expertise and interests of the fellow.

Day In the Life

We are in full telework status until January 31, 2022. We hold Monday, Wednesday, Friday huddles (fluddles) that are informal check in to sync up on projects, important meetings, strategy sessions, to share and learn from each other.

The FMA team values collaboration, support, and purpose within it's operating team which is a smaller group of under 10 staff. Collaboration is a core focus as the FMA program touches multiple offices within FEMA including Insurance, Floodplain Management, Mapping, Environmental Historic Preservation, other programs, etc. Through regular meetings and onboarding buddy matchups, we work to ensure that new staff members have support needed to understand the mission of the program and internal partners. Goals are defined based on team and supervisor discussion and resources identified to complete supporting objectives. We strive on creating a work environment that provides purpose for team members through matching skills and interests.

Ultimately, in addition to the skillsets needed, we hope a fellow assigned is motivated and excited to work on projects that reduced disaster suffering for flood impacted survivors.

Expertise Desired

Desired skills: Communications, graphic design, multimedia (video editing, ESRI storymaps, podcasting) Coursework/knowledge of urban planning, environmental studies, GIS, hydrology, climate science, a plus. Attention to Detail, Storyteller, Results focused, independent analytical thinker

Office Culture

The Flood Mitigation Assistance team is currently a small team of four and we describe ourselves with having a startup culture with cross-functional teams, enabling cross-learning, and sharing ideas to deliver results. We value delivering our programs more equitably to reduce flood risk for NFIP policy holders and ultimately reduce disaster suffering from future impacts.

Covid-19 Comments

Full telework/ remote until January 31, 2022

Office Location

Remote

Travel within DC (days per month)

0

Travel outside DC (days per month)

0

Primary Mentor

Sunny Ng, FMA Program Specialist

Hosted a Previous Fellow

Mentor: No, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-46

Position Title

OMC Knauss Sea Grant Fellow

Agency

U.S. Dept. of State

Office

Office of Marine Conservation

Office Priorities

OMC's Sea Grant Fellow serves in the role of a Foreign Affairs Officer, similar to most of the other policy positions in OMC. The Fellow would work with most of their colleagues in OMC and within teams in OMC, the broader Oceans and Fisheries Directorate of the OES Bureau, the State Department, and the inter-agency, as well as working on portfolio items as the lead officer. The Fellow would have the opportunity to work with everyone in OMC and with colleagues across the Bureau and the Department, as well as gaining experience in international fisheries fora as part of U.S. delegations to those organizations and negotiations.

Portfolio Summary

The OMC Sea Grant Fellow will be responsible as a lead point of contact for a number of portfolio items and also work as part of a team of OMC staff and colleagues from other State Department offices and federal agencies. The portfolio will depend largely on the needs of the office for the year in addition to the possibility of accommodating any specific interests the Fellow may have to learn about and work on any particular issue. The Fellow's portfolio will likely include work on countering illegal, unreported and unregulated fishing, bilateral fisheries relations (e.g., China and possibly other countries), and contributing to OMC's work staffing delegations to regional fisheries management organizations. In addition, the Fellow may be asked to work on standing or ad hoc inter-agency working groups or task forces, as needed.

Day In the Life

Any given day can include consultations and collaboration with OMC colleagues, representing the Office, Bureau, or Department in inter-agency or international meetings, analyzing and commenting on internal and external policy documents, generating policy guidance and communications for overseas posts and inter-agency partners, and drafting policy documents for generating consensus on policy positions.

Expertise Desired

No specific international fisheries experience is required. Rather, OMC values critical thinking, judgment, and communications and inter-personal skills.

Office Culture

OMC is a collegial and collaborative organization, with a strong sense of morale and teamwork. OMC values coordination, inter-personal cooperation, open communication, and integrity (as well as a sense of humor). We also host other fellows, liaison officers and rotational Foreign Service Officers, so we're experienced in hosting and supporting the OMC Knauss Fellow.

Covid-19 Comments

Flexible situational telework, with a return to the workplace beginning in late 2021.

Office Location

2201 C St. NW, Rm. 2758, Washington DC 20520

Travel within DC (days per month)

3-6 (pre-pandemic)

Travel outside DC (days per month)

3-6 (pre-pandemic)

Primary Mentor

David Hogan, Acting Director

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-47

Position Title

Ocean Acidification Capacity Building and Communications Fellow

Agency

NOAA; Oceanic and Atmospheric Research (OAR)

Office

Ocean Acidification Program

Office Priorities

The Ocean Acidification Program is one of several programs in the NOAA Office of Ocean and Atmospheric Research. The program distributes funding to laboratories and other entities inside and outside of NOAA to execute OA monitoring and research as well as data management, education, and outreach. OAP has a relatively small staff.

Portfolio Summary

NOAA's Ocean Acidification Program (OAP) seeks a Sea Grant fellow to contribute both to regional capacity building networks and to its communications portfolio in support of the Office of Oceanic and Atmospheric Research in Silver Spring, MD. The portfolio will be evenly split between these two areas, with 25% of the fellow's time reserved for the opportunity to develop an independent project specific to their interests within the scope of either program's existing efforts as well as work towards professional development goals.

The OAP has established six regional coastal acidification networks (CANs) to build capacity around addressing ocean acidification (OA). The CANs build collaboration in a specific region between diverse groups of stakeholders, including aquaculture and fisheries industries, marine and coastal managers, government and academic scientists, non-governmental organizations, and others. Many of these networks are organized around thematic working groups, such as science, education and outreach, industry, or policy. The CANs have taken on a variety of activities to address OA, including hosting webinars, organizing workshops, and writing manuscripts. CANs have focused on identifying monitoring and research priorities, as well as engaging with industry members, tribal communities, and other interested community members. The fellow will work to facilitate engagement among the CANs and promote further development, potentially by supporting specific working groups or being involved in activities such as workshop or webinar planning. The CANs are also contributing to and reviewing a new report on OA Vulnerability being written by the Interagency Working Group on OA for Congress, and the fellow will assist in coordinating their engagement with this report.

The fellow will support OAP communications working directly with the office's Education and Outreach Coordinator as their mentor. The fellow will assist in developing messages and materials to communicate program-sponsored OA research. Specific projects could include conducting interviews and writing news stories, updating content on the website, contributing to social media platforms, running webinars, developing educational or outreach materials, assessing stakeholder needs, and developing education/communication strategies and implementation plans.

In addition, the fellow will also provide general scientific, programmatic, and administrative support for the program office in Silver Spring, MD. As a small program office, the fellow will be a valuable addition to the team in supporting the office Director and Deputy Director in management of a diverse research portfolio, interaction with project scientists, and engagement with stakeholders. Other areas of focus could include participation in interagency working groups and responding to public and Congressional inquiries.

Day In the Life

Working with OAP on regional capacity networks and communications is an opportunity to work at the “ground level” with a NOAA program office. The fellow will work on multiple projects each with specific, tangible outcomes. Every day will be a little bit different depending on which project is prioritized. The fellow will be able to plan out most of their schedule, while still having opportunities to learn from and assist with other projects that team members are working on outside of their direct portfolio.

The fellow will engage with the CANs through numerous activities, such as organizing and hosting webinars, organizing and facilitating meetings with CAN members, and coordinating capacity building efforts across the CANs. The fellow will also assist in facilitating CAN review of the OA Vulnerability Report.

The fellow will work directly with the Education and Outreach Coordinator to determine what aspects of the OAP communications portfolio they will support. Activities could include writing web and social media content, contributing to the OAP stakeholder assessment, hosting webinars to engage stakeholders and share education and communication tools, or creating educational materials.

The fellow may also help draft Notice of Funding Opportunities (NOFOs), serve on review panels, and participate in the NOAA OA Working Group (NOAWG) and the Inter-Agency Working Group on OA (IWG-OA).

Expertise Desired

A high level of analytical, organizational, and planning skills; ability to work independently and as a part of a team; effective oral and written communication skills; ability to interact objectively and effectively with diverse audiences. Knowledge of OA science and experience working with stakeholders or on communication projects is beneficial, but not required.

Office Culture

At OAP, fellows are considered full members of our team. OAP values inclusivity and diversity among its team members, and all OAP team members are treated with respect and friendliness. Input and ideas from team members are valued, and innovation and creativity are expected. Team members are empowered to take leadership roles on activities aligned with their interests and are encouraged to pursue professional development opportunities. Finally, OAP invests significant time in mentoring new staff.

Covid-19 Comments

All the OAP work can be done remotely. That said, we are looking forward to the day when we can be back in the office together because we enjoy each other’s company, and we find informal communications throughout that day beneficial to our productivity. We cannot pretend to predict when the current maximum telework status will be relaxed for NOAA in Silver Spring. OAP will not require

anyone to come back into the office until they feel comfortable doing so. While a limited number of NOAA staff are currently allowed to work at the Silver Spring office, most OAP staff continue to work remotely. NOAA policy states that all workers must be fully vaccinated and must wear masks when working on NOAA campuses. As such, OAP will not dictate where the fellow should reside during the fellowship. Being within the DC region has several advantages. It may foster better cohesion, greater network opportunities, and produce a “more normal” fellowship experience, especially if NOAA staff are asked to return to the office. However, OAP has previously worked with “100% remote” fellows who did not reside in the DC area, so OAP has ample experience in fostering a fulfilling fellowship year despite the distance. We hold regular virtual staff meetings, maintain contact through a staff text thread, and periodically plan social distanced get togethers. In addition, the mentor will meet weekly (virtually) with the fellow to ensure maximum engagement.

Office Location

Silver Spring, MD

Travel within DC (days per month)**Travel outside DC (days per month)****Primary Mentor**

Dwight Gledhill, Deputy Director

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-48

Position Title

Data Governance and Policy Fellow

Agency

NOAA; National Marine Fisheries Service (NMFS)

Office

Office of Science & Technology

Office Priorities

- 1) Facilitating the FY 2022 Environmental Data Management Workshop (EDMW), which is the only NOAA data conference; it is held annually over one week in mid-August, and NMFS is leading the EDMW in FY 2022; this supports both NMFS and CDO responsibilities.
- 2) Contributing to NMFS data management modernization initiatives;
- 3) Play a significant role in the efforts to move forward with both NOAA and NMFS' data strategies to improve data governance, including coordination and reviewing and updating of data policies, and making recommendations; and
- 4) Provide the CDO with support for open data access and the democratization of NOAA's data, as well as NOAA's climate and equity mission priorities.

Portfolio Summary

The Fellow will report directly to the NMFS Information Architect and support Fisheries scientific data governance and policy activities, working with regional fisheries offices and science centers, and within the NMFS Enterprise Data Management Program. Given the joint nature of this position, the Fellow will also extend their involvement in and understanding of NOAA data governance, policy, and management across the breadth of the agency by reporting to NOAA's Chief Data Officer, supporting internal Environmental Data Management Committee activities and NOAA's Data Strategy Action Plan, and contributing to a proposed NOAA data governance structure that aligns with the Foundations for Evidence-based Policy Act and Federal Data Strategy activities. The Fellow will meet agency leaders, participate and assist in coordination of data activities that support NOAA's missions, and be exposed to external partners and governance bodies, including the Commerce Data Governance Board, the Federal CDO Council, and the Federal Geographic Data Committee. The Fellow can also propose and follow activities contributing to NOAA's digital transformation based on their interests. The Fellow will be able to telework from the location of their choice; when travel resumes, the Data Governance and Policy Fellow will be encouraged to attend conferences, meet with colleagues and visit NOAA programs and facilities across the country. Given the pandemic, this position can be done from anywhere in the US via telework. Once offices reopen, the Knauss Fellow office location is Silver Spring, MD; alternate locations will be considered based on candidate's interests and availability. Travel during the pandemic is on an emergency basis only.

Day In the Life

High to Mid Level efforts, with lots of varied issues, meetings, and stakeholders. The Data Governance and Policy Fellow will get to work on high-level action and engagement with leadership across NOAA, and communicate with a variety of stakeholders, including industry, academia, and other federal agencies, on connecting science and policy. Telework makes it easier than ever to play a role in meetings that might otherwise not be feasible. This is not a turn the crank position; the Fellow's role will be significant and impactful.

Expertise Desired

Preferred expertise includes: the ability to thrive in a fast moving, highly collaborative, dynamic atmosphere; excellent communication skills, including the ability to speak in front of groups; interest in NOAA's missions and the benefit they provide to the Nation; able to provide strategic and tactical analysis; and is creative, independent, and flexible. The Fellow should be more interested in an overarching policy perspective to enable good science versus participating in a focused scientific endeavor. Data management experience is welcome but not required.

Office Culture

Both offices are 100% telework during the covid-19 pandemic. Both offices emphasize collaborative culture, working within and across NOAA. NOAA staff were able to quickly adapt to a remote work environment, and NOAA has evolved and implemented a new cultural collaboration that expands beyond typical office interactions.

Covid-19 Comments

100% telework both offices

Office Location

Silver Spring, MD

Travel within DC (days per month)

Travel negotiable and feasible when permitted.

Travel outside DC (days per month)

Dependent on covid rules but negotiable and feasible when permitted.

Primary Mentor

Karen Sender, Information Architect for NMFS

Hosted a Previous Fellow

Mentor: No, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-49

Position Title

International Climate Fellow

Agency

NOAA; Oceanic and Atmospheric Research (OAR)

Office

Climate Program Office

Office Priorities

NOAA is widely known as a leader in climate science and the use of this information to inform risk management, adaptation, and resilience. NOAA's Climate Program Office plays a central role in this enterprise, through: 1) managing competitive research programs and activities, supporting high-priority climate science, assessments, decision support research, outreach, education, and capacity-building activities designed to advance our understanding of Earth's climate system; and 2) fostering the application of this knowledge in risk management, adaptation, and resilience efforts. CPO's Climate and Societal Interactions (CSI) Division focuses on the human dimensions of climate change, seeking to improve resilience and preparedness in diverse socio-economic regions and sectors throughout the United States and abroad. Our interdisciplinary research advances understanding of climate-related risks and vulnerabilities associated with wildfires, drought, flooding, sea level rise and storms, and the development of networks and tools to foster more informed decision making. Partnerships with entities at the local, state, national and international level are essential to CPO's mission.

Portfolio Summary

Understanding and combatting the climate crisis is one of the most pressing challenges of our time. Small island nations are among the most vulnerable to climate impacts. Many of them are facing compound events and impacts related to changes in sea levels and coastal flooding, shifting temperature and rainfall patterns, and extreme events such as storms, droughts, and marine heat waves, and ocean acidification. Climate change affects food and water security, public health, safety, and economic livelihoods, and may delay achievement of the Sustainable Development Goals. As populations with the most exposure and vulnerability often have the lowest capacity to respond to these challenges, there is a clear need for increased capacity in these regions to plan for and respond to climate change.

As an International Climate Fellow in NOAA Research's Climate Program Office (CPO), you will have the opportunity to shape and implement international program activities in the Caribbean and the Pacific and engage more broadly in international climate issues. As member of the CPO Climate and Societal Interactions (CSI) Division, this Fellowship provides an exciting opportunity to work at the dynamic interface of climate science and services, adaptation, resilience, and U.S. science diplomacy. Working closely with the Program Manager for International Adaptation Sciences and other members of the CSI team, the International Climate Fellow will have the opportunity to design and coordinate a portfolio of collaborative program activities in the Caribbean and the Pacific, based on the office's

current focus and the abilities/interests of the Fellow. These projects are part of a unique NOAA-U.S. Department of State (DOS) partnership to enhance island resilience through the development of innovative partnerships, peer-to-peer learning and network development, stakeholder engagement, and scientific and technical collaboration and assistance, including climate assessments.

With the support of experienced mentors, the Fellow will build partnerships with regional and national entities, international organizations, and other U.S. Federal agencies (e.g., DOS USAID, EPA, DOE), and will work across NOAA's line offices to integrate expertise in weather, marine and coastal ecosystem management, and coastal resilience in the NOAA-DOS endeavor. The Fellow will provide overall coordination and technical support – depending on background, interest, and timing- for specific projects (ground level), as well as have leadership opportunities to coordinate and shape engagement across agencies and regional and national organizations (high level). The Fellow has the opportunity to undertake some or all of the activities below:

- Provide coordination and technical support for interagency and cross-NOAA working groups and partnerships focused on climate adaptation and resilience.
- Engage with Communities of Practice in the Caribbean and the Pacific and identify and facilitate opportunities to integrate NOAA's activities and expertise.
- Shape and support climate assessment activities in the Caribbean, in partnership with regional organizations and experts and other USG agencies.
- Engage with the NOAA Marine Protected Areas Center and other NOAA coastal and marine resource management experts to bring their expertise and experience to bear on the NOAA-DOS partnership.
- Coordinate with CPO's domestic programs focused on adaptation and resilience, such as the Regional Integrated Sciences and Assessments (RISA) Program and Adaptation Sciences to create opportunities for learning and expand U.S. experiences to key partner countries and regions.
- Engage with the NOAA International Affairs Office and the international activities offices of the other NOAA line offices to inform overall agency priorities.
- Prepare reports on project activities for DOS, OAR and CPO senior management, as needed.

Additional activities may be developed/considered depending on the interests of the Fellow, and the evolving needs of the NOAA Climate Program Office.

An International Climate Fellow in the NOAA Climate Program Office will gain valuable insight and experiences that can be brought to bear on a range of scientific, management and/or policy career paths. This position will provide a Fellow with an opportunity to work in international climate, a high priority, dynamic field. They will gain hands-on experience in many areas including: (1) understanding and working at the interface of international climate science and policy; (2) interagency collaboration, including funding arrangements; (3) project design and management; (4) knowledge about cutting-edge climate topics such as the development and application of climate information, coastal blue carbon, adaptation and natural resource management, coastal and marine resource management, resilient energy, public health, water and transportation infrastructure; (5) working across different parts of NOAA; and (6) exposure to numerous domestic and international partners, both government and non-government.

Day In the Life

This position is designed to offer a mix of high level (30,000 foot level, interactions across agency, or other agencies) and ground level (3000 foot level, working on specific projects, digging into topic) experiences. On any given day, the Fellow may be writing white papers on climate-related topics based on the synthesis of knowledge; coordinating interagency and/or international meetings and engagements; preparing and/or delivering presentations; or developing reports to the U.S. Department of State on the status of the partnerships.

We work frequently in teams, and collaborate often with other NOAA line offices, given the implications of climate for NOAA's environmental stewardship mission.

Expertise Desired

We welcome Fellows with interest and experience related to any of the following: climate science and climate change, social science, disaster preparedness, stakeholder engagement, blue carbon, climate adaptation in coastal regions, coastal wetlands including mangroves, Marine Protected Areas, coastal ecosystem management, international science-policy activities, greenhouse gas inventories and/or climate mitigation.

Additional background skills desired include:

1. Experience with, and/or understanding for, applying environmental science in a decision- or policymaking environment;
2. Strong communications and interpersonal skills, including the ability to develop strategic partnerships and work collaboratively across and outside of NOAA;
3. Skills in synthesizing information to develop and deliver oral and written presentations, reports, and briefs for technical and non-technical audiences and senior decision makers; and
4. An ability to take initiative and be a self-starter, but also work as a team and maintain flexibility when priorities shift.

Office Culture

CPO is a close knit and highly collaborative organization, where individuals have clear responsibilities, but we work closely together, and support each other. Individuals in CPO have varied academic and professional backgrounds that complement each other and allow for the office to address the multiple dimensions of climate in a holistic manner.

Covid-19 Comments

Our office is currently working in a fully remote mode. We anticipate that once we are cleared to return to the office, we will still have a substantial amount of flexibility for telework. The office has been very supportive and flexible during the pandemic, and concerned with the well-being of our employees.

Office Location

1315 East-West Highway, Silver Spring, MD 20910

Travel within DC (days per month)

Pre-covid: 5 days per month to meet with partner organizations, including other Federal agencies

Travel outside DC (days per month)

Pre-covid: 0-3 per month

Primary Mentor

Lisa Vaughan, Program Manager for International Adaptation Sciences

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-50

Position Title

Budget Analyst

Agency

NOAA; Headquarters Office

Office

NOAA Budget Office, Budget Formulation and Communications Division

Office Priorities

The Office of the Chief Financial Officer (OCFO) is responsible for the financial leadership of NOAA, and its primary duty is to uphold strong financial management and accountability while providing timely, accurate, and reliable financial information, and enhancing internal control. The areas under the direction of the OCFO are the Budget, Finance, and Performance, Risk, and Social Science Offices. NOAA's Budget Office formulates, produces, and tracks the NOAA Budget each fiscal year. These activities include interactions with external stakeholders such as the Department of Commerce, the Office of Management and Budget, and Congress. Within the NOAA Budget Office are the following divisions:

NOAA's Budget Formulation and Communications Division (BFCD) coordinates the preparation of NOAA's annual budget submissions to the Department of Commerce (DOC), the Office of Management & Budget (OMB), and Congress, analyzes annual appropriations bills and assesses impacts, and provides outreach and communication to DOC, OMB, Congress, and external constituents.

NOAA's Budget Execution Division (BEX) and Corporate Financial Management Division (CFMD) control and oversee the execution of all budgetary resources across the Line and Staff Offices.

NOAA's Finance Office provides NOAA's financial management policies, systems and procedures. It advises NOAA offices on financial management policies and procedures and provides special-purpose financial information and analyses on matters of immediate concern to line and staff offices, the CFO and the Office of the Under Secretary.

NOAA's Performance, Risk and Social Science Office (PRSSO) was established within OCFO in 2016 to enhance NOAA-wide integration of performance, risk, strategic planning and social science functions. PRSSO also serves as the Executive Secretariat for the Program Management Council (PMC), which has a governance function for NOAA's mission-critical and large-scale projects.

Portfolio Summary

At NOAA, program activities span the spectrum of scientific endeavors, from the surface of the sun to the depths of the ocean floor, as we work to keep the public informed of the changing environment around them. But none of this can be done without a budget. Funding is critical to carrying out NOAA's diverse mission, and it is through the NOAA Budget Office (NBO) that programs and policies are proposed, funded, and implemented.

You know that saying "put your money where your mouth is"? That's what the NOAA Budget Office - specifically the Budget Formulation and Communications Division (BFCD) - does when it comes to

crafting and implementing NOAA programs and policies. BFCD is responsible for developing NOAA's annual budget submission to the Department of Commerce (DOC), the Office of Management and Budget (OMB), and Congress. BFCD also liaises with Congress (often in partnership with NOAA's Office of Legislative and Intergovernmental Affairs), analyzes and interprets appropriations bills, and oversees the spending of funds to implement both Congressional directives and Administration policies.

BFCD is looking for a fellow to be part of the budget formulation team. In this position, the fellow will get to participate in the federal budgeting process from start to finish - from aligning the money planned for NOAA's programs with the needs of the nation, to delivering and defending the budget to Congress, and answering questions for Congressional briefings and hearings. "Budget Formulation" is not just numbers and spreadsheets, but also communicating with stakeholders and partners about the importance of NOAA's programs and products to the American people. A key aspect of this job is communication - the ability to describe NOAA's programs to a non-scientific audience, and to articulate why the money we request for our programs is important. This job serves a direct role in both aiding the development of agency priorities and helping our scientists, managers, and forecasters get the funding they need to carry out their work. The Budget Fellow will work closely with the BFCD team, NOAA leadership, the Office of Legislative Affairs, and program offices to interpret Congressional appropriations and ensure the effective communication of NOAA's funding requirements to DOC, OMB, and the Hill.

Budget formulation analysts in the NOAA Budget Office are often asked to perform program, policy, management, and legislative analysis in addition to budget analysis, requiring intellectual curiosity, drive, and perseverance. Because of this, a budget formulation analyst is often considered a jack-of-all-trades. Each analyst manages a portfolio of NOAA activities for which they must develop proficient understanding and coordinate closely with stakeholders.

You can expect:

- Close mentoring with NOAA's financial leadership and budget policy experts;
- Engagement with NOAA's senior leadership, programmatic experts, and regional personnel;
- Strategic and tactical responsibility on the teams that build NOAA's interface with Congress and key stakeholders.
- To be viewed as a full team member in the office, and as you gain experience throughout the year, you will have an ability to branch off to focus on particular issues important to NOAA, Congress, and your own interests.
- Specific responsibilities will include:
- Applying analytical techniques and critical thinking to review and prepare budget and policy materials and make recommendations to stakeholders.
- Coordinating the response to questions from key partners and stakeholders such as DOC, OMB, and Congress.
- Using data and information from a variety of sources to prepare recommendations and briefing materials for leadership.
- Providing customer service through effective communications with internal and external stakeholders.

Your experience with the NOAA Budget Office will challenge you to perform under pressure while exposing you to political savvy, the inner workings of environmental policy processes, and strategic decision making at the highest levels of NOAA.

Day In the Life

- This position is at the 15,000-30,000 foot level - a mix of high level, quick turnaround tasks and longer term projects.
- Close mentoring from NOAA's financial leadership and budget policy experts.
- Engagement with NOAA's senior leadership, programmatic experts, and regional personnel.
- Strategic and tactical responsibility on the teams that build NOAA's interface with Congress and key stakeholders.
- You will be viewed as a full team member in the office, and as you gain experience throughout the year, you will have an ability to branch off to focus on particular issues important to NOAA, Congress, and your own interests.

Expertise Desired

An interest in the breadth of the NOAA mission, from weather forecasting and climate science to coastal and fisheries management.

Excellent critical thinking, specifically the ability to analyze issues and funding requests in the context of stakeholder concerns/priorities, historical trends, and current events.

Strong oral and written communication skills, including excellent editing skills.

Ability to learn quickly, synthesize complex new information and communicate key issues to stakeholders.

Prior financial/budget experience is NOT necessary.

Office Culture

- The BFCD team strives for an inclusive and respectful work environment where all members of the team and diverse perspectives are valued and heard.
- Teamwork and collaboration are core to our mission and operations - within BFCD and with our various stakeholders, including the Line Offices and NOAA Leadership.
- The BFCD team supports each other and the Line Office budget teams, with whom we coordinate closely with.
- BFCD team members are encouraged to work independently on work materials, with assistance from other team members or supervisors as needed.
- BFCD team members have a strong work ethic and good sense of humor.

Covid-19 Comments

The OCFO/NOAA Budget Office is currently in a full-time telework posture in the COVID-19 environment, consistent with NOAA guidance. OCFO is included in Phase 3 of NOAA's reintegration plan. More specific information on this can be found on the OHCS website:

<https://sites.google.com/noaa.gov/ohcs/current-event?authuser=0>

Office Location

Currently home! Otherwise will be SSMC

Travel within DC (days per month)

Infrequent Days/Month, occasional travel to the Hill (when not in a full telework posture due to COVID)

Travel outside DC (days per month)

Infrequent Days/Month (when not in a full telework posture due to COVID)

Primary Mentor

Sierra Jones, Chief, Weather, Satellites, and Research Division

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-51

Position Title

Social Science Policy and Planning Liaison

Agency

NOAA; Oceanic and Atmospheric Research (OAR)

Office

National Sea Grant Office

Office Priorities

NOAA's vision to create and sustain enhanced resilience in ecosystems, communities, and economies relies not only on the advancement of the biological, physical, and social sciences but increasingly on the integration of all three. NOAA's Office of Oceanic and Atmospheric Research (OAR), is committed to conducting research to understand and predict the Earth's oceans, weather and climate, to advance NOAA science, service and stewardship and transition the results so they are useful to society. The National Sea Grant Office and Weather Program Office sit within OAR and implement this vision through research, end-user engagement, and program partnerships.

Advancing the societal utility of NOAA's research requires not only supporting social science research but integrating social science into agency-level policy, planning, and organizational structures that support and facilitate research transitions to end-users, stakeholders, and communities. Recent legislative mandates, new Administration priorities, and NOAA's 2020-2026 Research and Development Vision and Strategy clearly state the relevancy and importance of social science and socioeconomic data to meet present and future needs but the foundational work needed for NOAA success is in its early stages.

We are seeking a fellow to join us at the forefront of this timely and crucial work that will shape the future of social science integration at NOAA.

The Social Science Policy and Planning Liaison will be co-mentored by Alison Krepp (National Sea Grant Office Social Science and Economics Lead) and Gina Eosco (Weather Program Office, Social Science Program Manager). Alison and Gina are the co-chairs of the NOAA Social Science Committee (SSC), the agency's senior body dedicated to the advancement of social, behavioral, and economic sciences in of support NOAA's mission.

Portfolio Summary

NOAA's Office of Oceanic and Atmospheric Research (OAR), the National Sea Grant Office (NSGO), and Weather Program Office (WPO) are seeking a Social Science Policy and Planning Liaison to increase capacity, advance coordination, and support priority efforts for integrating social science at NOAA. This position will provide an interdisciplinary and high-level perspective on how and where social science fits into NOAA's policy, planning, and research priorities for its broader weather, ocean, climate, and coastal goals.

The fellow will assist and advise on policy development, cross-committee coordination, program planning at multiple scales, and strategy implementation. A key element of this portfolio is close collaboration with the co-chairs of the NOAA Social Science Committee and serving as our 'go-to' for networking and engagement within OAR, across line offices and with NOAA headquarters on strategic and cross-cutting issues related to social science research, policy, and data needs.

These activities may include, participation in and building bridges with high-level NOAA committees, preparing briefing papers on research investments and needs, advancing data collection policies and procedures, as well as supporting planning and processes for measuring societal impact (e.g. transition planning, research to application, valuation).

This position is well-suited for an individual with an interest in gaining a high level of familiarity and appreciation for the breadth of the NOAA mission, advancing interdisciplinary approaches, and learning firsthand the opportunities (and complexities) at the intersection of public administration and science application.

Day In the Life

As the Social Science Policy and Planning Liaison, you will work on a daily basis with your co-mentors and be provided opportunities and responsibilities that will range from high-level (30,000 ft) to mid-level (10,000 ft). These tasks will range from operational (coordinating monthly meetings, data gathering) to strategic (networking, planning) and involve a range of NOAA staff from senior agency officials and program managers to regional personnel and funded researchers. One goal for this year will be to develop a strategic engagement plan to support and expand representation of the social sciences on high-level agency committees.

The co-mentors will also work with the fellow to cultivate a diversity of working relationships across their respective host offices within OAR (Sea Grant and Weather Program Office), the NOAA Social Science Committee, and the Chief Economist Team as part of NOAA headquarters.

Expertise Desired

This position requires the fellow to be organized and flexible, manage time well, prioritize tasks, and possess an enthusiasm for thinking and working across multiple disciplines.

The fellow should have these skills:

- Ability to thrive in a highly collaborative and dynamic workplace
- Excellent written and oral communication skills
- Excellent interpersonal skills
- Adept at gathering and synthesizing information
- Independent problem-solving skills

It is desirable that the fellow also have the following:

- Familiarity with and/or background (does not need to be a degree) in the social, behavioral, and/or economic sciences
- Interest in interdisciplinary approaches and teams
- Adaptability for changing work conditions that may involve telework (using multiple platforms), independent work, and in-person team work

Office Culture**National Sea Grant Office**

We focus on collaboration and partnership building. Sea Grant serves America's communities along the coasts of the Atlantic, Pacific, Gulf of Mexico, Great Lakes and the United States' territories. To address issues that face coastal communities, Sea Grant provides the information, tools and services to ensure coastal communities are sustainable. Sea Grant integrates research, education, and extension to highlight the vital connections between our watersheds, coastal and ocean ecosystems and the well-being of the nation's coastal communities.

NOAA Weather Program Office

The Weather Program Office works closely with the National Weather Service (NWS) to deeply understand the needs of stakeholders using NOAA's weather information to make real-time decisions in response to weather-related events. To help NWS develop and transition weather and air quality research, WPO supports the physical science and engineering efforts that lead to new scientific discoveries. Additionally, WPO utilizes social science to learn how to deal with the uncertainties weather presents and to inform our engagement and communication with researchers, funders, and the public.

Joint Position Culture

The co-mentors are deeply committed to this position and realizing its full potential to the fellow and the agency. Gina and Alison have a history of successful collaboration and a strong record of mentorship within the Knauss and AAAS fellowship programs. Each brings a collaborative and thoughtful approach to their management styles with a dual focus on the success of the fellow and value of the organizational outcome.

Covid-19 Comments

We currently have a full telework policy

Office Location

Silver Spring, MD (currently tele-working)

Travel within DC (days per month)

2-4 (Covid dependent)

Travel outside DC (days per month)

2-4 (Covid dependent)

Primary Mentor

Alison Krepp, Sea Grant Social Science and Economics Lead

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-52

Position Title

FIMA Fellow

Agency

Federal Emergency Management Agency (FEMA);

Office

Planning & Safety Branch, Federal Insurance and Mitigation Administration (FIMA), Resilience

Office Priorities

FEMA's mission is to help people before, during and after disasters. The National Mitigation Planning Program is part of the Federal Insurance and Mitigation Administration (FIMA), a very critical component under FEMA Resilience. The cross-cutting principles of FIMA are 1) Deliver our programs with equity to increase the resilience of all communities, and 2) Incorporate future conditions. Under these principles, the Mitigation Planning Program directly influences State, local, tribal and territory governments "to identify the natural hazards that impact them, to identify actions and activities to reduce losses from those hazards, and to establish a coordinated process to implement the plan taking advantage of a wide range of resources." (44 CFR Section 201.1(b)). Mitigation plans are a pre-requisite for certain non-disaster FEMA assistance programs, but serve the larger FEMA mission by building partnerships, reducing current and future risk, and connecting hazard mitigation with land-use plans and other community planning processes.

Portfolio Summary

This is a unique Fellowship opportunity to work with FEMA's National Mitigation Planning Program, that supports natural hazard mitigation planning by state, local, territorial, and tribal (SLTT) governments. As of June 30, 2021, all 50 states, the District of Columbia, 5 U.S. territories, 227 tribes, and over 23,600 local governments (<https://www.fema.gov/emergency-managers/risk-management/hazard-mitigation-planning/status>) have current mitigation strategies.

The Coastal Hazards Mitigation Planning Specialist will play a critical role to help advance how the impacts from the changing climate and development patterns are addressed in mitigation plans, and to help integrate SLTT hazard mitigation planning with coastal zone management activities. Hazard mitigation efforts at the local level, especially mitigation planning, provide an opportunity to incorporate information on future hazards, risks, and vulnerabilities into existing plans and programs.

Fellows interested in undertaking forward-looking planning efforts will address national challenges, such as: (1) resources for assessing future climate risks are distributed across multiple agencies (FEMA, NOAA, etc.); (2) many different projections and data for hazard risk are available; and 3) clear information, tools and methodologies that could be readily used by hazard mitigation planning practitioners (e.g., emergency managers and community planners) are lacking. As a result, the inclusion of future hazard conditions and climate change into mitigation planning and actions has had mixed results. Mitigation planning regulations, policy and guidance already allow for and require state, tribal and local plans to describe the probability of future hazard events in the risk assessment and identify actions to address

future risk in the mitigation strategy. As an example, in the State Mitigation Plan Review Guide (March 2015) (FP 302-094-2), FEMA recognizes the inherent uncertainty about future conditions and works with states to identify tools and approaches that enable decision-making to reduce risks and increase resilience from a changing climate.

FEMA and the state/territory coastal programs share the common goal of reducing the loss of life and property due to natural hazards. The Fellow will act as the direct line of communication between FEMA and partner agencies (NOAA, EPA, others) to deliver information about FEMA's mitigation planning program to coastal stakeholders and share feedback and priorities with FEMA staff to improve program delivery. The Fellow will help develop policy and foster relationships that meet the shared needs of coastal mitigation planning stakeholders. The Fellow may assist FEMA program staff with policy, capability building (training courses and technical assistance) and program effectiveness portfolios, including developing external communication materials, especially around coastal hazards, climate adaptation, planning integration and resilience planning issues. The Fellow will participate in the planning and execution of Mitigation Planning Program's annual national team meeting and monthly team calls. The Fellow will also support the advancement of interagency partnerships between FEMA, NOAA and CSO around administrative objectives and strategic priorities, and to learn directly from other partner agencies and organizations, to advance nature-based solutions (natural/green infrastructure), coastal hazards, resilient infrastructure and lifelines, underserved community resilience, community planning and economic development, and hazard mitigation planning and resilience. The Fellow will have the flexibility to develop their own program portfolio, based on their interests.

Day In the Life

FEMA's National Mitigation Planning Program works across the Agency and with FEMA's 10 regions on high level (30,000 foot level) topics including coordinating with other Federal Agencies on mitigation and resilience initiatives, applying a consistent national approach to mitigation, and communicating with leadership and other high-level partners about FEMA's mitigation programs and opportunities.

The National Mitigation Planning Program (3,000 foot level) is located within the Risk Management Directorate in HQ and in the Regional Risk Analysis Branches or Floodplain Management and Insurance Branch). The HQ staff work to update regulations, policies, products, and training while the Program is delivered by FEMA Regional offices directly to SLTTs by mitigation planning staff. The majority of program staff work is to review and approve mitigation plans, deliver training and technical assistance, and share information about mitigation opportunities and successful case studies.

The Program uses the following themes to advance mitigation outcomes using mitigation plans:

- Early and Often Engagement throughout the mitigation planning lifecycle to create more effective mitigation strategies in reducing vulnerabilities and improving outcomes;
- Integration with partners and stakeholders to help communities become more resilient; and
- Implementation of mitigation actions using a wide range of resources to help communities reduce risks from future natural hazard events.

The Coastal Hazards Mitigation Planning Specialist will work at the 30,000 ft level across multiple FEMA program offices, as well as at the 3,000 ft level within the seven-person HQ program team in the Planning, Safety and Building Sciences Division. In this role, the Fellow will have an opportunity to work jointly with staff supporting FEMA's mitigation assistance, flood hazard mapping, and building sciences programs on policy updates, training development, and communication.

The Fellow will be expected to assist with advancing FEMA hazard mitigation priorities. The Fellow's work in aligning and coordinating mitigation planning and coastal zone management requirements will help SLTTs assess how natural hazards are exacerbated by the changing climate and plan for and implement actions that have mitigation and adaptation co-benefits.

Through this position, FEMA is committed to ensuring that the Fellow's work meets their professional development goals, connects them with experts to build their network, and takes advantage of opportunities to pursue training and development. The host office will allow flexibility for the Fellow to incorporate projects and professional development activities that are of specific interest to the Fellow to further their career goals.

Expertise Desired

Knowledge and experience in hazard mitigation, especially in coastal environments, will be helpful. Experience working with diverse groups, including SLTT emergency managers, resource managers, and/or community planners, will be helpful. Facilitation, communication, organizational skills, and subject knowledge of coastal planning are desired. Skills conveying technical material both orally and in writing, for a variety of audiences, are valued. Fellows will take the lead on their principal projects; other work will be more collaborative. Time management skills are important.

Office Culture

Overall, FEMA's Vision is a prepared and resilient nation, and within FIMA that means we reduce disaster suffering. Under FIMA, we aspire to build a work class organization by focusing on customer satisfaction and empowering people to drive action together. Across FEMA, our core values are compassion, fairness, integrity, and respect, both in how we deliver our mission to the nation, as well as how we work within our organization. Leadership across FEMA is accessible, and encourages growth and individual development as part of our work culture.

Covid-19 Comments

Starting February 1, 2022, FEMA will transition back to in-person / in-office, after almost 2 years of 100% remote work due to COVID-19. FEMA is currently revising its Telework and Remote work policies. To make the Fellow experience as enriching as possible, to encourage networking and relationship-building, FEMA prefers a Fellow to be in Washington, DC. All personnel are eligible for telework, reporting to the official duty location (400 C Street SW, Washington DC) at least two days per pay period. Schedules will be coordinated for Mitigation Planning team to be in-person on the same days in order encourage coordination and foster teambuilding and networking opportunities. If Remote work is requested (where the Fellow works 100% remotely, either in the Washington, DC area, or elsewhere), FEMA will consider this after the new Remote work policy is issued. The fellow will need to be physically in DC to go through the security and badging process as well as receive equipment from FEMA at the start of the Fellowship term.

Office Location

FEMA HQ, 400 C St SW, Washington, DC 20024

Travel within DC (days per month)

0

Travel outside DC (days per month)

0-5

Primary Mentor

Shubha Shrivastava, Mitigation Planner

Hosted a Previous Fellow

Mentor: No, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-53

Position Title

Ocean Energy Environmental Science & Policy Associate

Agency

Bureau of Ocean Energy Management (BOEM)

Office

Office of Environmental Programs

Office Priorities

BOEM's environmental program ensures that environmental protection is a foremost concern and an indispensable consideration in BOEM's decision-making. BOEM uses science and law to inform our environmental analyses, conduct consultations, and design critical studies. OEP, located within BOEM's headquarters office, advises senior leadership on environmental issues, develops national policy, provides guidance, and coordinates with regional activities. Staff positions include marine biologists, archaeologists, physical oceanographers, air quality scientists, social scientists, and others who work together to write assessments and design critical studies to better understand the ocean and coastal environments and assist BOEM in managing OCS oil and gas, offshore wind, and mineral resources.

Portfolio Summary

The Bureau of Ocean Energy Management (BOEM) manages the exploration and development of the nation's offshore resources. It seeks to appropriately balance economic development, energy independence, and environmental protection through management of offshore energy and minerals and environmental reviews and studies. BOEM's Office of Environmental Programs (OEP) uses sound science as the foundation for environmental assessment to understand risks and benefits to inform decision-making and meet our Nation's energy needs.

OEP seeks a Knauss Fellow to work with an interdisciplinary team of scientists to develop a range of methodologies and best practices related to environmental, climate, and economic justice to further our understanding of potential impacts of ocean energy projects on low-income, minority, and indigenous communities. The Fellow will have the opportunity to assist an inter-agency team with exploring options for implementing Justice40, a whole-of-government effort led by the Council on Environmental Quality and the Office of Management and Budget to ensure that Federal agencies work with states and local communities to ensure at least 40 percent of the overall benefits from Federal investments in climate and clean energy are distributed to disadvantaged communities.

This role provides substantial flexibility for the Fellow to apply their area of interest and expertise. For example, a project could involve: exploring approaches to calculating benefits from climate and energy programs and distributing them to underserved communities; developing guidance for applying U.S. Census data or the new Climate and Economic Justice Screening Tool to analyze impacts from ocean energy projects on vulnerable communities; assessing how far upstream impacts to minority, low-income, and/or indigenous communities occur and should be analyzed for ocean energy projects, such

as offshore wind. The Fellow will be given a great deal of flexibility in choosing or designing a project that aligns with their interests.

Benefits to the Fellow:

In this position, the Fellow will gain skills, knowledge, experience and understanding in multiple arenas, for example:

- Exposure to the policy implementation process through the Council on Environmental Quality (CEQ) and the Office of Management and Budget (OMB) through the Justice40 initiative, as well as other Executive Orders.
- Mastery of scientific databases and geospatial tools used in environmental assessment.
- Knowledge of environmental justice analysis and data tools in decision-making and applications to solve social and economic problems.
- Familiarity and connections across BOEM program offices and regions.
- Experience with how science is used to inform policy and decision-making.
- Opportunities to engage with experts across DOI and other Federal agencies, such as the EPA, USFWS, USFS, etc.
- Meaningful cross-disciplinary experience.
- Creation of a portfolio of outreach materials.
- Organizational and communications skills.

The Fellow's mentor will ensure he/she/they will be connected to other professionals and technical experts across disciplines within and external to BOEM as relevant to the development of the Fellow's study and career interests. The Fellow will be encouraged to attend seminars and conferences and will be invited to participate in program activities. If not virtual, the position will be based in Sterling, VA, or the Main Interior Building, Washington, D.C. BOEM can accept foreign national Fellows, as long as they have lived in the US for at least three years.

Day In the Life

A "day in the life" will be a combination of high and ground level engagements. Interactions with a range of senior level BOEM and interagency officials is the norm. Gathering data from diverse sources, drafting policy positions and briefing senior leaders is a fundamental function. The fellow will need to reach across multiple parts of BOEM and outside BOEM and will also dig into a specific topic (of their choice, with guidance).

The Division of Environmental Assessment (DEA) within OEP employs approximately 20 staff that routinely discuss ways to improve environmental protection and sustainability as part of BOEM's mission to develop the Outer Continental Shelf energy and mineral resources. Because of its position within BOEM Headquarters, DEA uniquely coordinates and advises on environmental issues across the agency and with the Department of the Interior and other agencies.

Expertise Desired

The fellow should be:

- Curious about social, cultural, and economic dimensions of energy projects and potential impacts on disadvantaged, minority, low-income, and indigenous communities.
- Enthusiastic about leading and executing cross-disciplinary projects which may mean "learning the basics" in a subdiscipline of social science.

- Well-versed in research methods of at least one relevant academic discipline (social science, economics, environmental or physical science).
- Enthusiastic about communicating the value of science and data.
- Highly proficient in communication skills (speaking, writing, participating in groups, presentations, etc.).
- Able to work independently and in collaboration with others.
- Able to think critically and analyze data for assessing and interpreting potential socio-cultural or socio-economic impacts.

Office Culture

DEA is a forward-thinking office focused on innovating improvements across BOEM to make gains in efficiency and effectiveness in ways regional or program-specific offices could not accomplish alone. The office has spent a significant amount of time and energy in strategic planning and staff training to create a culture of feedback, trust, and openness. The team routinely meets (virtually during COVID, and once for a group picnic) to discuss both work and get to know one-another. Work schedules are flexible and Supervisors are extremely supportive of finding solutions for any work-life balance issues. The Fellow will be welcomed into the team and should expect Staff throughout the office to welcome the opportunity to get to know and work with the fellow.

Covid-19 Comments

BOEM is currently in maxi-telework status, if staff return to the office the Fellow would have the option to continue to telework or work from the office at either the Main Interior Building in Washington D.C. or BOEM's Headquarters Office in Sterling, VA. Fellows can expect either full-telework or a hybrid office where Staff are in the office a few days a pay period.

Office Location

Sterling, VA

Travel within DC (days per month)

None expected during COVID, potential to attend meetings with other agencies if scheduled in-person.

Travel outside DC (days per month)

None expected during COVID, potential to attend workshops if scheduled in-person.

Primary Mentor

Kimberly Marshall McLean, Social Scientist/Ecologist

Hosted a Previous Fellow

Mentor: Yes, in a past office, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-54

Position Title

Engagement Advisor for Interagency Partnerships and Underserved Communities

Agency

Bureau of Ocean Energy Management (BOEM)

Office

Office of Environmental Programs

Office Priorities

BOEM's environmental program ensures that environmental protection is a foremost concern and an indispensable consideration in BOEM's decision-making. BOEM uses science and law to inform our environmental analyses, conduct consultations, and design critical studies. OEP, located within BOEM's headquarters office, advises senior leadership on environmental issues, develops national policy, provides guidance, and coordinates with regional activities. Staff positions include marine biologists, archaeologists, physical oceanographers, air quality scientists, social scientists, and others who work together to write assessments and design critical studies to better understand the ocean and coastal environments and assist BOEM in managing OCS oil and gas, offshore wind, and mineral resources.

Portfolio Summary

The Bureau of Ocean Energy Management (BOEM) manages the exploration and development of the nation's offshore resources. It seeks to appropriately balance economic development, energy independence, and environmental protection through management of offshore energy and minerals and environmental reviews and studies. BOEM's Office of Environmental Programs (OEP) uses sound science as the foundation for environmental assessment to understand risks and benefits to inform decision-making and meet our Nation's energy needs.

Offshore wind and environmental justice are priorities for the current Administration. BOEM is at the forefront of the advancement of offshore wind in the United States and is actively working to facilitate engagement with affected communities, particularly underserved communities. To support these priorities, BOEM's Office of Environmental Programs (OEP) seeks a Knauss Fellow with interest in environmental justice, working with Native American Tribal Nations, stakeholder engagement, and other human dimensions of offshore energy planning. The Fellow would be encouraged to spend time in their first month learning about BOEM's work in these areas and identifying, in consultation with their mentor, where their interests and skills would best serve BOEM and the Fellow's goals. The high profile nature of this work and the location of OEP in BOEM's headquarters offers substantial opportunity for interaction with BOEM's senior leadership.

One main responsibility could include taking a leadership role building a partnership with the Department of Energy's Wind Energy Technology Office (WETO) and NOAA's National Sea Grant Office (NSGO) in efforts to collaborate on stakeholder engagement in offshore wind planning and community impacts research. This role would have a unique opportunity to work with representatives from

throughout BOEM's program and regional offices, exposing a Fellow to a variety of perspectives and issues. Responsibilities for this effort may include:

Working with BOEM, WETO, and NGSO staff (and other Knauss Fellows in those offices) to develop a strategic partnership on community engagement related to offshore wind development.

Implement projects or activities that aim to achieve meaningful engagement of stakeholders.

Build relationships with NGSO's new Offshore Wind Energy Liaison to contribute BOEM's perspective to the Liaison's understanding of offshore wind energy development.

Utilize interagency partnerships to better identify communities and their concerns.

Identify and prioritize research needs, contribute to study ideas, and participate in the study proposal and review process.

Another area of focus could include working with BOEM's Offshore Renewable Energy Program (OREP) to refine and implement an Underserved Community Engagement Plan focused on offshore wind projects along the Atlantic coast. As BOEM is in the initial stages of drafting the first plan of this type, the Fellow would have a major role in laying the foundation of this effort. Responsibilities for this effort may include:

- Improve BOEM's understanding of underserved community perspectives and deliver recommendations about how to increase underserved community participation in offshore wind decision-making.
- Increase BOEM's awareness of participatory approaches in energy planning and environmental analyses.
- Document community concerns about offshore wind activities to improve impact analysis and development of mitigations.
- Develop policy recommendations, informed by underserved community perspectives, on how to ensure equitable access to benefits from offshore wind activities.
- Shape and coordinate engagement efforts such as workshops or listening sessions to continually improve the goals of the Engagement Plan.
- Work with OREP Staff to determine how best to integrate underserved community perspectives in the offshore wind planning process; identify the type and timing of information necessary to inform decisions.
- Advise BOEM on how to build relationships with underserved communities that may be impacted by offshore wind projects by increasing awareness of community dynamics.
- Overall, Fellows will have the unique opportunity to work at the intersection of marine science, environmental justice, stakeholder engagement, and renewable energy.

The Fellow's mentor will ensure he/she/they will be connected to other professionals and technical experts across disciplines within and external to BOEM as relevant to the development of the Fellow's study and career interests. The Fellow will be encouraged to attend seminars and conferences and will be invited to participate in program activities. If not virtual, the position will be based in Sterling, VA, or the Main Interior Building, Washington, D.C. BOEM can accept foreign national Fellows, as long as they have lived in the US for at least three years.

Day In the Life

This role encompasses both "high level" and "ground level" work. The high level work would include developing inter-agency partnerships and working across BOEM, including with BOEM leadership, and

the ground level work would include implementing engagement efforts and community concerns specifically related to offshore wind in the Atlantic region.

The Division of Environmental Assessment (DEA) within OEP employs approximately 20 staff that routinely discuss ways to improve environmental protection and sustainability as part of BOEM's mission to develop the Outer Continental Shelf energy and mineral resources. Because of its position within BOEM Headquarters, DEA uniquely coordinates and advises on environmental issues across the agency and with the Department of the Interior and other agencies.

Expertise Desired

The Fellow should:

- Have some experience in outreach, communications, education, or stakeholder engagement.
- Have a background in the social sciences (to include disciplines such as international relations and economics), marine sciences, environmental sciences, or energy studies.
- Be interested in working across agencies, levels of government (federal, tribal, state, and local), and disciplines.
- Be able to work independently and take initiative to set up lasting partnerships and relationships.
- Be willing to gain a deep understanding of local needs and how federal approaches can meet these needs.
- Be able to handle sensitive (emotional or political) topics tactfully, responding to questions or concerns with empathy and honesty.
- Experience working with underserved communities, living abroad, or on justice or equity issues is not necessary, but would help the Fellow be successful in this role.

Office Culture

DEA is a forward-thinking office focused on innovating improvements across BOEM to make gains in efficiency and effectiveness in ways regional or program-specific offices could not accomplish alone. The office has spent a significant amount of time and energy in strategic planning and staff training to create a culture of feedback, trust, and openness. The team routinely meets (virtually during COVID, and once for a group picnic) to discuss both work and get to know one-another. Work schedules are flexible and Supervisors are extremely supportive of finding solutions for any work-life balance issues. The Fellow will be welcomed into the team and should expect Staff throughout the office to welcome the opportunity to get to know and work with the fellow.

Covid-19 Comments

BOEM is currently in maxi-telework status, if staff return to the office the Fellow would have the option to continue to telework or work from the office at either the Main Interior Building in Washington D.C. or BOEM's Headquarters Office in Sterling, VA. Fellows can expect either full-telework or a hybrid office where Staff are in the office a few days a pay period.

Office Location

Sterling, VA

Travel within DC (days per month)

None expected during COVID, potential to attend meetings with other agencies if scheduled in-person

Travel outside DC (days per month)

None expected during COVID, potential to attend community meetings or workshops if scheduled in-person

Primary Mentor

Laura Mansfield, Social Scientist

Hosted a Previous Fellow

Mentor: No, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-55

Position Title

Bioacoustics fellow

Agency

Bureau of Ocean Energy Management (BOEM)

Office

Center for Marine Acoustics, Office of Environmental Programs

Office Priorities

For each major stage of offshore energy and mineral development and planning, the Office of Environmental Programs (OEP) conducts environmental analyses under a suite of statutory mandates (e.g., National Environmental Policy Act (NEPA), Endangered Species Act (ESA), Marine Mammal Protection Act (MMPA), etc.). These analyses inform the bureau's decisions on conventional (i.e., oil/gas) and renewable energy exploration, leasing and development activities as well as marine mineral activities for coastal restoration projects. Because underwater noise is produced by many of the industrial activities that take place on the OCS, BOEM requires acoustics expertise to properly address these issues.

In late 2020, BOEM launched its Center for Marine Acoustics (CMA), which aims to serve as a trusted voice on marine acoustics issues. The CMA provides expertise and leadership throughout the Bureau, aiming to drive best practices, research, scientific rigor, policy improvements, and messaging on marine acoustics issues. The CMA pushes for innovation while championing consistency, standardization, and efficiency where needed. Its products and services support all of BOEM's environmental assessment work throughout all of BOEM's regions and programs.

Portfolio Summary

The Bureau of Ocean Energy Management (BOEM) manages the exploration and development of the nation's offshore resources. It seeks to appropriately balance economic development, energy independence, and environmental protection through management of offshore energy and minerals and environmental reviews and studies. BOEM's Office of Environmental Programs (OEP) uses sound science as the foundation for environmental assessment to understand risks and benefits to inform decision-making and meet our Nation's energy needs.

The bioacoustics fellow will support BOEM's Center for Marine Acoustics (CMA) in three main areas. These activities provide the fellow with opportunities to use skills and knowledge to convey highly technical information to diverse audiences, engage with a suite of ocean noise stakeholders, and build vital tools to best assess environmental impacts, and translate science into policy decisions.

First, they will work with partner agencies (e.g., NMFS, USGS) and offshore wind industry representatives to help develop an implementation plan for a baleen whale database. The vision for this database is not fully developed yet, but it may include detections of baleen whales from Passive Acoustic Monitoring (PAM) – either archival or real-time, aerial surveys, visual observers, as well as other data streams (e.g., environmental variables). End user groups include federal agencies (NMFS and

BOEM), wind developers, non-profit sectors (particularly North Atlantic Right Whale conservation groups), and the general public. As these stakeholders develop a clear vision for this project over the next several months, there will be a need for a BOEM representative to drive its visioning and implementation. This is a multi-faceted project that would allow the fellow to interact with a wide range of user groups and individuals who work in the field of underwater noise and baleen whale conservation.

The second area of assistance is with science communication. The CMA aims to produce a series of materials (e.g., animations, infographics, videos, web material, short papers, etc.) to explain highly technical acoustics topics to non-technical audiences. An external contractor can be used for help with visuals (i.e., drawing the animations), but we need someone with a strong understanding of marine bioacoustics to work with the contractor and drive the narrative. By serving this role, the bioacoustics fellow would have the opportunity to learn about a number of CMA projects and ensure that public audiences can achieve similar understanding through these materials.

The third and final task is with environmental assessment documents. As the central voice on marine acoustics issues for all of BOEM, the CMA needs to produce technical papers about various noise sources that can be incorporated into specific environmental assessment documents as needed. These technical papers should review the scientific literature covering a range of stressor-receiver relationships. For example, what does the science tell us about impacts of pile-driving noise on fishes? What does the science tell us about impacts of vessel noise on turtles? These are several examples of many; each requires its own paper. This work will require careful reading of the primary literature, writing the text to summarize the paper, and an overall statement about expected level of impact from each of these noise types.

The Fellow's mentor will ensure he/she/they will be connected to other professionals and technical experts across disciplines within and external to BOEM as relevant to the development of the Fellow's study and career interests. The Fellow will be encouraged to attend seminars and conferences and will be invited to participate in program activities. If not virtual, the position will be based in Sterling, VA, or the Main Interior Building, Washington, D.C. BOEM can accept foreign national Fellows, as long as they have lived in the US for at least three years.

Day In the Life

The fellow will work closely with the staff at the CMA. Several of the tasks outlined above are team efforts, so they will need to be a strong team player. Since the CMA assists with issues in all of BOEM's programs, the Fellow will get exposure to a myriad of complex issues related to underwater noise from oil and gas, renewable energy, and marine minerals.

The database task will require close contact with the other parties who are helping to develop it. This likely includes staff in BOEM's renewable energy group, NMFS, USGS, NOAA-National Centers for Ecological Information, the renewable energy Regional Wildlife Science Entity, North Atlantic Right Whale Implementation Team, the New England Aquarium, and more. The nature of this work will be very focused on meetings and communication with relevant parties.

The science communication task will involve meetings between CMA staff, BOEM's web developers, and the contractor who will design some of the audio-visual tools.

The fellow will spend a significant amount of time reading and writing on their own for the technical papers, but their work will be guided by and reviewed by the CMA's bioacoustics team.

Expertise Desired

- Fundamental understanding of marine acoustics and marine mammal vocalization behaviors.
- Familiarity with Passive Acoustic Recording tools and methods, and associated data analysis.
- Basic knowledge of marine mammal distributions and behaviors on the Atlantic coast
- Ability to carefully scrutinize scientific research papers, and confidence to comment on the strengths and weaknesses of a particular study.
- Attention to detail and strong communication skills.
- Ability to interact professionally and respectfully with multiple stakeholders; ability to maturely handle conflict in a professional setting.
- Experience with data management and databasing preferred but not required.
- A basic understanding of the growing offshore wind industry would be helpful.

Office Culture

DEA (where most CMA staff sit organizationally) is a forward-thinking office focused on innovating improvements across BOEM to make gains in efficiency and effectiveness in ways regional or program-specific offices could not accomplish alone. The office has spent a significant amount of time and energy in strategic planning and staff training to create a culture of feedback, trust, and openness. The team routinely meets (virtually during COVID, and once for a group picnic) to discuss both work and get to know one-another. Work schedules are flexible and Supervisors are extremely supportive of finding solutions for any work-life balance issues. The Fellow will be welcomed into the team and should expect Staff throughout the office to welcome the opportunity to get to know and work with the fellow.

Covid-19 Comments

BOEM is currently in maxi-telework status, if staff return to the office the Fellow would have the option to continue to telework or work from the office at either the Main Interior Building in Washington D.C. or BOEM's Headquarters Office in Sterling, VA. Fellows can expect either full-telework or a hybrid office where Staff are in the office a few days a pay period.

Office Location

Sterling, VA

Travel within DC (days per month)

None expected during COVID. 0-3 if we return to the office.

Travel outside DC (days per month)

None expected during COVID. 0-3 if we return to the office.

Primary Mentor

Erica Staaterman, Marine Bioacoustician

Hosted a Previous Fellow

Mentor: No, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-56

Position Title

Uncrewed Systems Mission Requirements Specialist

Agency

NOAA; Office of Marine and Aviation Operations (OMAO)

Office

Uncrewed Systems Operations Center

Office Priorities

The Uncrewed Systems Operations Center (UxSOC) is a new operational center in the Office of Marine and Aviation Operations, alongside the existing Marine Operations Center and Aircraft Operations Center. The UxSOC's mission is to 1: Accelerate the transition of NOAA missions to Uncrewed Aircraft and Marine Systems ("UxS"), to 2: Support UxS operations across all NOAA line offices, and to 3; Operate and maintain UxS on behalf of other Line Offices. NOAA's UxS encompass both uncrewed aircraft systems (UAS), including quadcopters, hexacopters, and small and medium-lift fixed-wing platforms, and uncrewed marine systems (UMS), including technologies such as ocean gliders, uncrewed surface vessels such as the iXblue Drix or Liquid Robotics Waveglider, and autonomous underwater vehicles or AUVs. This placement would be in the UxSOC Headquarters element, working directly with the Center's leadership.

Portfolio Summary

As one of four UxS Operations Center (UxSOC) Headquarters staff, the fellow will play a key role in several areas, depending in part on the fellow's interests and the needs of the Center. Potential areas include:

1. The UxSOC is planning a major effort to understand the intersection of NOAA missions and innovative Uncrewed Marine Systems (UMS) technologies and how they overlap. The fellow can help plan and execute this effort alongside other headquarters staff. This will involve numerous stakeholder meetings, potentially organizing a workshop and/or working with a NGO to create a common understanding of what NOAA missions UMS technologies can currently support, and what commonalities in platforms and sensors reach across different NOAA mission areas.
2. Building community of practice for Uncrewed Marine Systems across NOAA and/or establishing and running a Uncrewed Marine Systems working group to build and share best practices and policies. This will involve working with all NOAA Line Offices and major laboratories and science centers and gaining an understanding of all NOAA mission areas.
3. Serving as office lead on external communications, working with OMAO Public Affairs to help create a communications strategy for the UxSOC and to implement it by creating web and social media content.

4. Working to understand the carbon footprint of UxS operations and comparison of crewed platform (ships and aircraft) and uncrewed platform carbon footprint

Day In the Life

Most days in the UxSOC headquarters are fast-paced, working with all of the other NOAA Line Offices, and our academic and private-sector partners, covering a wide variety of NOAA mission areas. This placement would require high-level work with all of our stakeholders.

One of the best parts about working in the UxSOC is getting to learn more every day about NOAA's diverse mission set as well as the ever-changing state of UxS technologies (and how they might intersect). The UxSOC is funding 38 separate projects across NOAA and updates from and problem-solving with our partners is a regular occurrence. A placement in this office is guaranteed to dramatically expand the fellows understanding of how marine and atmospheric science is conducted across NOAA and how NOAA employs cutting-edge technology to benefit society.

Since UxS are such a fast-growing area of NOAA operations, there is considerable interest from other parts of NOAA, academia, Congress and the press in what we are up to--which means a lot of demand for stakeholder outreach. A fellow placed in our office will have the opportunity to lead communications with all of these stakeholder groups, particularly in the area of public affairs/press outreach and web and social media presence.

Expertise Desired

- Prefer degree in marine or environmental science or engineering (a B.S in science and a policy MS or PhD would be fine)
- A technophile, with a keen interest in technology and both the 'how' and 'why' of marine/atmospheric science. Enthusiasm for new applications (no luddites please!)
- Ability to work with a diverse group of scientists and policy makers, to understand their many different positions, viewpoints and priorities and to build consensus.
- High degree of judgment, imagination, enthusiasm, and ingenuity;
- Ability to translate technical and scientific text into plain language for target audiences;

Office Culture

We are a start-up organization--the office has only had permanent staff since October of 2020 and currently the headquarters staff is just the Director and Deputy Director (with a Program Analyst hopefully starting soon). This 'start-up' culture means that roles and responsibilities are less rigidly defined than elsewhere--everyone can end up doing a bit of everything, and there is some flexibility to take on new challenges and responsibilities. It also means that at times everyone from the Director on down has to roll up their sleeves and do some of the not-so-glamorous tasks as well. The fellow placed here will be working directly with the small-but-motivated center leadership team, and as one of the first employees of the Center, will have the ability to truly influence how the U.S. conducts marine and atmospheric science in a whole new way by using uncrewed systems. Your voice will most certainly be heard here on a wide variety of topics.

Covid-19 Comments

Since we did not exist before COVID, the UxSOC has been in an entirely telework posture for its entire history. That being said, we do expect to return to some in-the-office work when possible. While the details are still being sorted, this would likely be a few days a week of synchronized in-office work (to allow face-to-face interactions) with the balance being telework.

Office Location

Silver Spring, MD

Travel within DC (days per month)

2-5

Travel outside DC (days per month)

2-5

Primary Mentor

CAPT Bill Mowitt, Deputy Director, UxSOC

Hosted a Previous Fellow

Mentor: The primary mentor has worked with Knauss fellows and supervised Knauss mentors in a past office, Office: No

Accepts Foreign Nationals

Yes

Position ID

E22-57

Position Title

International Fisheries Policy Fellow

Agency

NOAA; Headquarters Office

Office

Under Secretary of Commerce for Oceans and Atmosphere

Office Priorities

The DAS is tasked with providing political guidance and oversight to international fisheries issues and representing the United States as head of delegation to several negotiations with the objective of advancing the Biden Administration's and the NOAA Administrator's broader agendas pertaining to climate change; diversity, equity, inclusion, and justice; conservation; and scientific integrity, among others

Portfolio Summary

Work directly with the Deputy Assistant Secretary for International Fisheries (DAS) to engage in high-level development and coordination of NOAA international fisheries policy and fisheries bilateral and multilateral meetings with foreign nations, and advance key U.S. priorities to combat Illegal, Unreported, and Unregulated (IUU) fishing. Support the DAS in developing policy guidance on various aspects of NOAA's international fisheries work, such as sustainable management of international fish stocks, the protection of marine living resources, and human rights issues. The Fellow will have an opportunity to work with colleagues internally at NOAA, including NMFS and the International Office as well with colleagues across the interagency, including State Department, Coast Guard, Labor, USTR, and others.

Day In the Life

Any given day can include consultations and collaboration with internal and external stakeholders, representing the Office in inter-agency or international meetings, analyzing and commenting on internal and external policy documents, generating policy guidance and communications in preparation for international negotiations, and drafting policy documents for generating consensus on policy positions. The DAS is new in this position as of September 2021 so there is an opportunity to shape the fellowship in the early days of the Administration.

Expertise Desired

International fisheries experience is welcome but not required. The DAS values critical thinking, creativity, tenacity, good judgment, honesty, inter-personal skills, diplomacy, and curiosity as core competencies for this role.

Office Culture

This office is under new leadership. The DAS currently doesn't have any other direct reports, which makes it small, but agile. The culture is one of transparency and respect, coupled with a commitment to providing access to a wide range of experiences.

Covid-19 Comments

NOAA staff are currently teleworking and following guidance and policies for in person activities.

Office Location

Downtown Commerce Building, Silver Spring, and home.

Travel within DC (days per month)

5-10 days

Travel outside DC (days per month)

Ideally, the fellow will staff the DAS during at least one and possibly more international RFMO meetings during the course of their fellowship (depending on COVID restrictions).

Primary Mentor

Kelly Kryc, Deputy Assistant Secretary for International Fisheries

Hosted a Previous Fellow

Mentor: No, Office: Unknown

Accepts Foreign Nationals

No

Position ID

E22-58

Position Title

IOOS Ocean Science and Technology Partnership Fellow

Agency

NOAA; National Ocean Service (NOS)

Office

U.S. Integrated Ocean Observing System (IOOS) Office

Office Priorities

IOOS Mission:

To produce, integrate, and communicate high quality ocean, coastal and Great Lakes information that meets the safety, economic, and stewardship needs of the Nation.

IOOS is committed to meeting the Nation's needs for ocean, coastal, and Great Lakes information through observations, data management, data analysis, and user-driven products. The IOOS Enterprise is expanding the focus on end-user experiences and building on the strong, sustained partnerships that are the core of IOOS. This fellowship will serve as a key role in advancing and sustaining cross-NOAA and interagency partnerships, as well as support initiatives to support the IOOS Enterprise and the Blue Economy.

Goals for the fellowship include enhancing partnerships for National Ocean Service priorities for coastal resilience, climate services, and the Blue Economy, and supporting issues related to sea level rise, coastal inundation and other coastal hazards. We aim to match IOOS goals and duties with the fellow's professional goals. We do this intentionally by adding the fellow to multiple different projects related to the IOOS Regions, Weather Service, Ocean and Atmospheric Research, and other partners where they can be a part of different teams and get exposure to a variety of NOAA programs.

Portfolio Summary

Join the U.S. IOOS Office in the National Ocean Service as we engage in the UN Decade of Ocean Science for Sustainable Development in 2022. The fellow will support the IOOS Director and Deputy in several cross NOAA and interagency priority areas as well as travel to/virtually attend conferences and IOOS Regional Association science and technology meetings and workshops.

The U.S. IOOS Office within the National Ocean Service at NOAA coordinates Integrated Ocean Observing System (IOOS®) implementation. IOOS is a national-regional partnership working to provide new tools and forecasts to improve safety, enhance the economy, and protect our environment. Integrated ocean information is available in near real time, as well as retrospectively. Easier and better access to this information is improving our ability to understand and predict coastal events - such as storms, wave heights, and sea level change. Such knowledge is needed for everything from retail to development planning.

There will be some flexibility in work portfolio topics depending upon interests of the fellow and needs of the office. Potential list of activities includes:

- Assisting with implementation of the NOAA Water Initiative and serving as executive secretariat to the National Ocean Service team for the NWI.
- Building best strategy to implement the Coordinated Ocean Observations and Research Act (COORA) and the Weather Act from the National Ocean Service - includes supporting the Director in his role on the Environmental -----Information Services Working Group (Federal Advisory Committee working group reporting to the NOAA Science Advisory Board)
- Support Director to coordinate IOOS & NOAA wide participation in the Department of Energy 'powering the blue economy: ocean observations prize' competition.
- Support the IOOS team, coordinating aspects of the IOOS Blue Economy portfolio, positioning IOOS to best support NOAA's Blue Economy priorities, working across sectors, from regional to national levels.
- Engage with staff to coordinate and develop responses to NOS requests for information to support NOS and NOAA leadership.
- Support IOOS' coordination efforts with the Global Ocean Monitoring and Observation (GOMO) Program and the IOOS Director in his role as Chair of the Global Ocean Observing System (GOOS) Regional Alliance Council and on activities supporting the UN Decade of Ocean Science for Sustainable Development.

Day In the Life

Working within the IOOS Office provides a mixture of 3,000-30,000' level experiences. This position allows the fellow to follow and engage with cross-agency initiatives (NOAA and external) under the Director's supervision. This provides a broad range of exposure and experience with executive leadership while highlighting how federal agencies operate and collaborate across topic areas and research themes. Additionally, the fellow will have the opportunity to engage with the IOOS Regional Associations which provide a network of non-federal partnerships to connect local stakeholder needs, ongoing research, and funding pathways that is a unique opportunity offered within the structure of IOOS.

According to the fellow's interests, they will have the opportunity to support or lead projects within the office or through external partnerships. Examples of ongoing work include workshop development, writing (e.g., research to operation plan, congressional milestones, and responses to NOS requests), and serving as an IOOS representative with partnering initiatives (e.g., Department of Energy's Ocean Observing Prize competition; New Blue Economy).

A typical day for the fellow will include a mixture of these activities. This will largely be dependent on the fellow's interests, preferences, and objectives within their portfolio for their Knauss experience. The fellow will have the opportunity to collaborate across the office according to project involvement and will have the unique opportunity to work with both divisions within the Office. There is typically an even split each week between individual work and teamwork, allowing the fellow to gain experience in both pathways. Despite the current uncertainty with travel, the IOOS Office is proficient in providing excellent support and opportunities to allow for engagement through telework, without hindering the mission or objectives within the fellow's portfolio.

Expertise Desired

- Strong Communicator
- Experience with coastal, ocean, and/or great lakes data and information services
- Comfortable working in a fast paced office and on a team
- Willing to take initiative and work with senior leadership

Office Culture

The IOOS Office is a place of collaboration and partnership. Our mission of producing, integrating, and communicating high quality ocean, coastal, and Great Lakes data is rooted in the commitment of working together to provide critical information to meet the needs of stakeholders and decision makers. We provide value and service to the nation, aspire to achieve organizational excellence in all that we do, and engage in purposeful partnerships to achieve the mission.

Our Culture

- We will work with Integrity and responsibility, as core values for public trust.
- We will treat each other with dignity and respect at all times.
- We will maintain the highest standards of integrity and professional conduct and we will be sensitive to perception as well as fact.
- We will strive to be transparent in all our decisions unless restricted by budget or other administrative rules.
- We will be trustworthy, dependable, and reliable and will be prudent managers of resources. The effective use of our time is particularly important.
- We will provide highly responsive, quality products and services to our partners and customers.
- We will be receptive to opportunities for change, innovation, creativity and new learning that encourages success at every level.
- We will strive to excel as a team which includes being respectful of staff workloads and being willing to take something off someone's plate, as new priorities are added.

We are committed to ensuring that we seek to have a diverse workforce with a diverse set of skills. We will have an inclusive work environment that ensures equal opportunity, and empowers individuals to participate constructively to their fullest potential. Inclusion means welcoming different perspectives and understanding these differences can provide new ways to view challenges. The power of collective intelligence is greater than the sum of its parts; each of us has unique contributions to make. We will continue to advance the NOAA Diversity and Inclusion Strategy and will work with our partners to advance D&I objectives across the IOOS enterprise.

Covid-19 Comments

Our office currently is allowing for 100% telework and will continue to allow for a flexible telework schedule moving into 2022,

Office Location

Silver Spring, MD

Travel within DC (days per month)

Up to 3 days per month once COVID restrictions are lifted

Travel outside DC (days per month)

Up to 3 days per month once COVID restrictions are lifted

Primary Mentor

Carl Gouldman, Director

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-59

Position Title

Policy Advisor

Agency

NOAA; National Environmental Satellite, Data, and Information Service (NESDIS)

Office

Office of System Architecture and Advanced Planning

Office Priorities

OSAAP's priority is evolving NESDIS towards a mission-effective, integrated, adaptable, and affordable observational portfolio. We are utilizing partnerships within the interagency and commercial sectors to leverage data sources and technology that expands beyond traditional satellite programs. Our work allows us to engage with NOAA line offices, interagency working groups, international partners, and more. We will encourage and enable the Fellow to be engaged in all aspects of what we do to create a full experience.

Portfolio Summary

Our team is seeking a Knauss Fellow who is willing to be part of a dynamic team and accept a level of responsibility equivalent to an employee. As a Fellow within NESDIS Headquarters, you will benefit from exposure to a broad range of issues, work closely with leadership in NESDIS, NOAA, and other government agencies, engage deeply in our policy and scientific analyses, and have the flexibility to become involved in projects of interest to you. You will be critical in helping give a voice to the needs of the oceans, coastal, and marine fisheries communities regarding their need for NESDIS products and services. You will also become an expert in emerging trends in remote Earth observing and the nation's scientific interest in space.

This position is in the NESDIS Office of System Architecture and Advanced Planning (OSAAP). The Fellow will work directly with the OSAAP Director, Deputy Director, and chief of staff, amongst others, and will have first-hand experience supporting an advanced planning mission that requires innovative thinking, strategic analysis, and a focus on environmental data. The Fellow will provide policy advice, lead briefings on a variety of science and administrative topics, and support the OSAAP Director and Deputy Director at important meetings. As a trusted team member, the Fellow will have the opportunity to contribute to decisions and work on discrete projects that promote the NESDIS enterprise as it develops its next generation satellite systems. This is an ideal position for those seeking to enhance their management and leadership skills, while becoming fluent in science policy and gaining a high level of appreciation for science and technology in the federal service.

This Fellow's projects will include, but not be limited to:

- Enterprise Product Management: The Fellow will become familiar with and maintain cognizance of the NOAA Councils and Boards to ensure that NESDIS product and services planning is effective across the NESDIS enterprise.

- **User Engagement:** The Fellow will help support the development of an enterprise-wide user engagement strategy and policy that helps to increase the usefulness, usability, and use of NESDIS products and services. In concert with the User Engagement lead and OSAAP Principal Scientist, the Fellow will help plan and manage NESDIS User Engagement activities with the ocean and coasts community in accordance with that strategy and policy.
- **Interagency Partnerships:** The Fellow will connect NESDIS observational needs to gaps identified by international and interagency groups and White House policy. NESDIS works with other agencies both at an international and interagency level. The Fellow will have the opportunity to support the AA and other senior managers in these efforts by drafting agendas, attending meetings, and determining best approaches for representing NOAA/NESDIS's interests effectively in such fora.
- **Knauss Fellow Special Project:** The Fellow will also have the opportunity to support other efforts and undertake a special project that relates to the Fellow's background and specific interests. OSAAP senior leadership will work with the Fellow to determine a project that furthers his/her/their interests.

Specific duties could include:

- Supporting senior leadership in their participation in NOAA Councils and Boards;
- Serving as the policy lead with regard to Ocean activities in coordination with our Product and Services & User Engagement strategic objectives; and
- Presenting to OSAAP leadership regarding the science objectives and data products and services needs of oceans, coastal, and marine fisheries programs.

Day In the Life

OSAAP's environment is very dynamic! Topics can vary day to day based on external engagements, requests from the NESDIS AA, and requests from senior executive branch agencies. As the agents of enterprise for NESDIS, we are the center of gravity for the implementation of future systems and services. This means we are constantly interfacing internally (e.g. NESDIS Program Offices) and externally (e.g., NOAA line offices, NASA) to strategize on how to optimize the flight and ground architecture to meet our mission needs. Work products include briefings, presentations, and policy analysis for members of leadership. Time each day will be spent in both team- or topic-focused meetings and working independently.

Expertise Desired

This fast-paced position requires the Fellow to be organized and flexible, manage time well, prioritize tasks, and problem solve. Excellent interpersonal and communication skills are essential, as well as discretion. The Fellow must be adept at gathering, organizing and editing written information for executive audiences and working independently on short deadlines. The Fellow needs to be a team-player and show a willingness to learn. Satellite experience is not necessary, and we will provide on-the-job training. A sense of humor and love of chocolate is greatly appreciated!

Office Culture

OSAAP prides itself on maintaining a healthy work environment. We value creativity, teamwork, and flexibility. We trust our staff to be innovative in their approach to their work. We strive for an inclusive environment where people of all sorts of backgrounds can thrive in their expertise.

Covid-19 Comments

Mandatory Telework is currently being observed during the pandemic. A reintegration plan is in place based on the latest transmission rates, etc. to allow transition back to office work in the future. Greater flexibility for telework will be in place following the pandemic than prior to it.

Office Location

Silver Spring, MD

Travel within DC (days per month)

0

Travel outside DC (days per month)

0

Primary Mentor

Vanessa Griffin, Director, Office of System Architecture and Advanced Planning

Hosted a Previous Fellow

Mentor: No, Office: No

Accepts Foreign Nationals

No

Position ID

E22-60

Position Title

Coastal Resource Specialist

Agency

U.S. Army Corps of Engineers (USACE)

Office

Institute for Water Resources

Office Priorities

The US Army Corps of Engineers provides vital public engineering services in peace and war to strengthen our Nation's security, energize the economy, and reduce risks from disasters. Through its Civil Works programs, the Corps provides services and leadership in environmental restoration, flood and coastal storm damage protection, navigation, and recreation. The Institute for Water Resources (IWR) provides forward-thinking analysis and research for USACE to shape federal water resources policy and develop planning methodologies.

The Coastal States Organization (CSO) was established in 1970 to represent the Governors of the nation's thirty-five coastal states, commonwealths and territories on legislative and policy issues relating to the sound management of coastal, Great Lakes and, ocean resources. The fellow will also have a desk at IWR, which is located in Alexandria, VA.

Coastal State Organization's (CSO) mission is to help states and maintain their leadership role in the development and implementation of national coastal and ocean policy; provide information, updates, and alerts that keep states attuned to developments in Washington, D.C.; conduct outreach and education with Congress and the Administration; and maintain a national coastal management community of practice. CSO is a nonprofit representing 36 state and territory Coastal Management Agencies. CSO works closely with federal agencies through partnerships with NOAA, USACE, EPA, FEMA, and others, as well as with national nonprofit allies.

Portfolio Summary

The Knauss Fellow will work with CSO and IWR under the general supervision of the IWR Coastal Team leader, the CSO Executive Director, and senior staff in supporting integrated coastal policy analyses and development, technical coastal issue analysis and resolution, and Corps participation in collaborative partnerships.

The position helps reestablish a robust connection between USACE IWR coastal program and CSO / nation's coastal zone management programs. The Fellow will undertake and support tangible projects to advance shared priorities and expand impact of respective work surrounding emerging coastal issues.

The IWR Coastal Program consults on technical coastal issues, assists in coastal policy analysis and problem solving, and develops long-range strategies for the coastal program of Civil Works. The Coastal team provides consultation and problem-solving services on issues concerning coastal-related water resources management and planning to Corps headquarters and field offices, and federal, state, and

local governmental agencies. The IWR/CSO Knauss Fellow can expect to participate in IWR's Coastal Program.

They will contribute to the ongoing development of the SAGE (Systems Approach to Geomorphic Engineering) initiative. SAGE is a collaborative initiative between several federal agencies, the academic community, and NGOs with the purpose of helping coastal communities adapt to the impacts of climate change. SAGE addresses a wide array of changing conditions by understanding shoreline transformation in the holistic, regional context of natural systems. For example, SAGE explores hybrid engineering, which links 'soft' ecosystem-based approaches (such as wetlands, marshes, and dunes) with 'hard' infrastructure approaches (including seawalls, revetments, levees and jetties).

In addition, the Fellow will work to support the National Shoreline Management Study. They will support dialog between Federal, state, and local stakeholders about collaborative and systems approaches for managing the Nation's shores, promote the use of systems approaches to sediment management, help refine roles for Federal and non-Federal participation in shore protection, support Great Lakes Overview National Shoreline Management Study and other Regional Reports, and/or assist with collecting case studies of particular coastal locations that further explore historical and current approaches to coastal management. These efforts can be combined with an update of the Advancing Critical Solutions to Protect Coastal Communities document.

In addition to the USACE IWR portfolio components, the Fellow supports CSO efforts that align with IWR priorities to support work on State sediment regulations and Federal policy intersection. These efforts may include providing support for one or more CSO Workgroups: Coastal Hazards Planning and Adaptation, Coastal Nonpoint Pollution and/or Offshore Energy & Infrastructure. Additional topics include work on living shorelines, and natural infrastructure in underserved communities. They will help coastal programs by providing assistance with coastal resiliency connection on USACE projects both current and proposed including the South Atlantic Coastal Study (SACS), and the proposed Great Lakes Coastal Resiliency Study (GLCRS).

The USACE IWR and the CSO office address additional topics outside the Fellow's stated portfolio, and the Fellow will be exposed to the work and projects of other Staff in both offices. The fellow can select from a range of topics and priorities that CSO and IWR identified and incorporate into the final work plan.

In summary, this position provides a unique opportunity to learn about the interaction between federal and state activities, as the fellow will serve as a liaison between the Corps and state coastal management programs. The position is ideal for individuals interested in coastal and marine policy, planning and resource management, and the decisions and programs that affect federal, state, and local roles in coastal flood risk management, ecological resource conservation and restoration, and marine navigation and transportation.

Day In the Life

The Coastal Resource Specialist would work at multiple levels at each organization allowing for both big picture view and fine detailed understanding of coastal policy. The IWR work entails a high-level (30,000 foot) federal agency coordination, stakeholder engagement and policy review. The SAGE Program works across a variety of Federal agency and NGO partners. Distilling this work down to the Division and District level within USACE take the work to the 3,000 foot level with application of policy and implementation of best practices. The fellow will have opportunities to contribute to collaborative research (white) papers with USACE staff and other partners. The National Shoreline Management Study

also contains both levels of work within the same portfolio. Working within the IWR Coastal Program to implement a National Study, while at the same time drilling down in specific shoreline reaches in developing the management recommendations.

The CSO work is also multi-altitude in nature. CSO represents our members (governor-appointed delegates representing the Nation's state and territory coastal management programs). This work entails high-level work (30,000 foot level) of reviewing and providing input on national policy work, interagency initiatives, and partnership efforts. CSO maintains a community of practice on various topics through the formation and management of Work Groups. The Coastal Resource Specialist may provide staff support to the Coastal Hazards, Planning, and Adaptation or Coastal Nonpoint Work Groups. In addition to the high-level items, the Fellow will have the opportunity to engage in lower level (3,000 foot) activities through work on project specific items. CSO works for its members – the Nation's Coastal States and Territories. Work involves providing a forum for discussing coastal issues, developing solutions, and fostering close relationships with Federal partners.

Expertise Desired

Given the host offices' work environment, fellows should be comfortable taking the lead on their individual projects. To support this work facilitation, communication planning skills, and subject knowledge of coastal environments are desired. Some of the portfolio work will require the ability to organize, prepare, and conduct small group meetings and to facilitate discussion groups. Other work will be more collaborative with office staff and partners and the Fellow will provide support. Whether in the COVID world or an in-person environment, time management and organizational skills are important as the Fellow will be working with two host offices. Knauss Fellows from a diverse set of academic backgrounds have excelled in this position – the host offices are happy to utilize the unique skills and experiences each Fellow brings to the table.

Office Culture

IWR is widely considered the “policy thinktank” for the Army Corps of Engineers. IWR has a diverse, multidisciplinary staff that includes biologists, physical scientists, social scientists, engineers, attorneys, and fiscal analysts. Work at IWR is extremely collaborative, and the office environment feels academic in nature. Creativity and big-picture thinking are highly valued, and professional development opportunities are encouraged throughout one's career. Staff often arrange for office-wide presentations on topics of interest, such as an ongoing webinar series about how diversity, equity, and inclusion intersect with water resources issues. Overall, IWR is friendly and welcoming - routinely celebrating major life events with virtual and in-person gatherings. Our social committee also organizes an annual Summer Picnic and Halloween Costume Party, while seasonal baking contests were quite popular in the pre-COVID world.

As a non-profit organization, CSO is more dynamic and less bureaucratic in structure and function. CSO has a small, energetic, and highly knowledgeable staff cohort that covers a diverse array of topics in a flexible manner. CSO is a well-regarded nonpartisan organization that works to represent the interest of a diverse group of states, territories, and commonwealth members via a consensus based approach. This structure and staff expertise allows CSO to pivot and address emerging issues at the State level and also on the Hill. In addition, CSO frequently holds extracurricular activities for team building and build overall collegiality among staff.

Covid-19 Comments

Given current COVID-19 restrictions, USACE IWR employees will remain working remotely through early 2022. Employees of the Coastal States Organization are visiting the office once a week and while following all state and national COVID-19 guidelines.

Office Location

USACE Institute for Water Resources (IWR) 7701 Telegraph Road (Casey Building) Alexandria, Virginia 22315; Coastal States Organization (CSO) 50 F. Street NW, Suite 570 Washington, D.C. 20001

Travel within DC (days per month)

0-5

Travel outside DC (days per month)

0-5

Primary Mentor

Marriah Abellera, Coastal Program Manager

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-61

Position Title

Education Policy Integration Fellow

Agency

NOAA; Oceanic and Atmospheric Research (OAR)

Office

National Sea Grant Office

Office Priorities

NOAA's National Sea Grant Office is the federal partner for the National Sea Grant College Program. We administer funding to Sea Grant colleges throughout the nation and oversee national competitions related to Sea Grant priorities. We also facilitate both the Department of Commerce designation of Sea Grant college programs and the Sea Grant program assessment process. We are a nexus of integration for Sea Grant activities nationwide, helping synthesize efforts from around the nation, build partnerships to support shared mission goals, and elevate Sea Grant goals and needs through the executive branch.

NOAA's Office of Education is the only office in the agency dedicated solely to advancing oceanic and atmospheric science through education. With workspaces in both NOAA headquarters in Silver Spring, Maryland, and the Department of Commerce building in downtown Washington, D.C., the office serves two main functions. First, the office runs programs of its own. These include competitive grant competitions, student scholarships, partnerships with minority serving institutions (universities), and collaborative networks of educational institutions like aquariums and museums. The office acts as a unifying force for other education-related initiatives embedded throughout the agency. The office brings together NOAA programs with a major focus on education through the NOAA Education Council. There, these programs work collaboratively on projects, creating a more cohesive and effective agency-wide approach to educating the public on the NOAA sciences.

Portfolio Summary

NOAA's National Sea Grant Office and Office of Education are seeking a joint Education Policy Integration Fellow to better connect Sea Grant and broader NOAA education needs. There are two overarching responsibilities for this position:

1. Leading the Integration of NOAA and Sea Grant Education Efforts

The National Sea Grant College Program creates engaging environmental education resources and opportunities for both formal and informal learners, but it operates independently from the broader NOAA Education community. As a result, many great resources are not being shared across organizations, opportunities are sometimes missed, and collaborations are more fragile than we would like. To address this gap, the fellow will design and lead a strategic effort to build further connections between Sea Grant and NOAA. The fellow will network with Sea Grant educators and policy and education experts across NOAA to build collaborative infrastructures to support connections among Sea Grant and other education programs, enhance existing strategic planning

and evaluation tools to bring them in line with modern education standards, and identify and offer professional development opportunities for the broader NOAA education community.

2. Coordinating NOAA Education Policy

The fellow will support the NOAA Education Council, which advances NOAA-wide education priorities, identifies opportunities for collaboration among NOAA programs, and makes recommendations to NOAA leadership on all aspects of NOAA's educational activities. In addition to working with Sea Grant, the fellow will work across NOAA line offices, including with programs like National Marine Sanctuaries, National Weather Service, Climate Program Office, and NOAA Fisheries, on collaborative projects. They will also help lead the Council's diversity and inclusion efforts and contribute to strategic communication products.

By bridging these two communities, the fellow will gain experience with strategic planning, implementation, evaluation, and communication, NOAA and partner collaboration, and training educators around the country. There may also be opportunities to support education and outreach programs for the public. The fellow will have opportunities to work at multiple scales of action, from the national to the local, as they engage with on-the-ground educators and federal education policymakers. As an example, the fellow may support the groundbreaking NOAA Live! series which connects students, classrooms, and educators across the country with NOAA science and technology experts.

Day In the Life

As the Education Policy Integration Specialist, you'll have responsibilities that are both high-level and that require you to zoom in on tasks and projects. A crosscutting theme for this year will be your ability to bring people together and build community, both within networks such as the NOAA Education community and the Sea Grant Education Network and to bridge networks. On a daily basis, your tasks will range from operational (coordinating monthly meetings, planning events) to strategic (guiding agency educational priorities and conducting planning). Your days will be varied, from meeting with the Directors of NOAA Education and NOAA Sea Grant, and other agency leadership to working alongside field educators around the country to developing and sustaining short, medium, and long-term strategic efforts.

Expertise Desired

The fellow should have these skills:

- Ability to thrive in a highly collaborative and dynamic workplace
- Excellent written and oral communication skills
- Excellent interpersonal skills
- Independent problem-solving skills
- It is desirable that the fellow also have the following:
- Experience in or enthusiasm for informal and/or formal education
- Experience in translating science and policy for general audiences
- Knowledge of, or prior involvement with, environmental and/or science education programs
- Adaptability for changing work conditions that may involve telework (using multiple platforms), independent work, and in-person team work

Office Culture**NOAA Sea Grant Culture:**

We focus on collaboration and partnership building - our entire philosophy is rooted in bringing diverse viewpoints and conflicting perspectives to the table to achieve things that others find difficult or impossible. We are proud of our collaborative approach and the value that it brings to the nation. We want each member of our team to find opportunities to grow and to explore, while maintaining a standard of excellence in our service. Our work takes us from the 30,000 foot level right down to the water, and it is thrilling to be able to build connections across scales of action.

NOAA Office of Education Culture:

We are extremely dedicated and passionate about engaging as many people as possible in the United States in NOAA's mission. Our staff are dedicated to advancing NOAA's Diversity, Equity, and Inclusion goals. The office is a highly collaborative environment that supports each individual's needs and growth. Our staff welcomes fellows of various backgrounds and considers them team members from day one. We encourage our team members to find creative approaches, and to learn and share with each other and with office leadership.

Joint Culture:

The co-mentors are deeply committed to this position, and employ a thoughtful, collaborative approach to mentorship. We are passionate about the success of the fellow and the success of this effort, as it will have benefits for years to come. Members of the mentorship team have individually sponsored many fellows over the years, and two of them are Knauss alumni.

Covid-19 Comments

We currently have a maximal telework policy, following NOAA policy

Office Location

Silver Spring (SSMC3)/Virtual

Travel within DC (days per month)

4-5 (subject to covid and other safety concerns)

Travel outside DC (days per month)

2-3 (subject to covid and other safety concerns)

Primary Mentor

Joshua Brown, Environmental Literacy and Workforce Development Lead

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-62

Position Title

Strategic Objective Coordinator

Agency

NOAA; National Environmental Satellite, Data, and Information Service (NESDIS)

Office

Office of Satellite and Ground Services

Office Priorities

The NESDIS Aspiration is to achieve “A truly integrated digital understanding of our earth environment that can evolve quickly to meet changing user expectations by leveraging our own capabilities and partnerships.” Critical objectives for this Aspiration include Products & Services led out of the National Centers for Environmental Information (NCEI) and Common Services led out of the Office of Satellite and Ground Services (OSGS). OSGS plans and executes the ground infrastructure and common services for NOAA’s satellite, data, and information capabilities. This includes developing a cloud-based infrastructure to create and archive environmental products. NCEI is the Nation’s leading authority for environmental data, and manages one of the largest archives of atmospheric, coastal, geophysical, and oceanic research in the world, contributing to the NESDIS mission by developing new products and services that span the science disciplines and enable better data discovery. Over the coming decade, NESDIS plans to better support our users and their growing need for data by delivering the best value integrated suite of products and services supported by a scalable and agile ground capability. This includes making NOAA’s vast environmental holdings discoverable, accessible and usable - consistent with Federal and Agency strategies. The OSGS and NCEI strategic objective leads support this goal by overseeing the development and execution of the Common Services and Products and Services Strategic Implementation Plan (SIP) strategic objectives, which codify the organization’s priorities and plan to achieve their objectives.

Portfolio Summary

The Fellow will support NESDIS Products & Services and Common Services strategic objective planning as a coordinator working with the respective strategic objective leads (the current leads are the Deputy Director, National Centers for Environmental Information and Director, Office of Satellite and Ground Services, respectively). Primary responsibilities will include mapping the work under the strategic objectives (SOs) to the administration's priorities (e.g. Executive Orders, Congressional Mandates, Agency Priorities), tracking interdependencies between the SOs, working across NESDIS offices developing program plans (including budgets and schedules), and leading the effort to ensure products and services meet user needs and are better aligned between NOAA’s “wet side” and “dry side.” Other responsibilities may be assigned based on the Fellow’s interests and expertise.

Day In the Life

Intraoffice meetings and workshops, interagency meetings, partner calls, mentoring sessions, correspondence, research, strategy and program plan development and execution, and budget development and justification.

Expertise Desired

- Master's level or higher in environmental science or policy, or related field
- Strong communication skills and interpersonal skills
- Ability to work in a team
- A desire to learn about and work with the full portfolio of NOAA's mission, optimizing the NESDIS contribution

Office Culture

NESDIS is in the midst of a significant change effort to improve its organizational health in general (great strides made in first 2 years); advance diversity, equity, inclusion, and accessibility; and take advantage of technological advances (cloud, artificial intelligence, etc.). NESDIS is also working with the other NOAA line offices to implement an Earth System Science, as well as a Whole Systems view of its work. This Fellow's role in supporting the NESDIS strategic objectives (across multiple offices) will assist with enterprise thinking and planning meant to break down silos and improve the integration of NESDIS products and services to provide greater value and impact towards societal needs.

Covid-19 Comments

Mandatory Telework is currently being observed during the pandemic. A reintegration plan is in place based on the latest transmission rates, etc. to allow transition back to office work in the future. Greater flexibility for telework will be in place following the pandemic than prior to it.

Office Location

Silver Spring, MD/Asheville, NC

Travel within DC (days per month)

0-5

Travel outside DC (days per month)

0-3

Primary Mentor

Ajay Mehta/Joe Pica, Director, Office of Satellite and Ground Services & NESDIS Strategic Objective Lead for Common Services/Deputy Director, National Centers for Environmental Information & NESDIS Strategic Objective Lead for Products & Services

Hosted a Previous Fellow

Mentor: No, Office: No

Accepts Foreign Nationals

No

Position ID

E22-63

Position Title

GEO Blue Planet Policy Fellow

Agency

NOAA ; National Environmental Satellite, Data, and Information Service (NESDIS)

Office

NESDIS/STAR/SOCD

Office Priorities

The fellow will be based in NOAA's Satellite Oceanography and Climatology Division (SOCD). The Satellite Oceanography and Climatology Division (SOCD) provides the research and development of remote sensing data on the world's oceans, and calibrates instruments, verifies the data, and creates products to meet the needs of users for satellite data and other information on the oceans.

The fellow will work with the Executive Director of the GEO Blue Planet Initiative and the Chief of SOCD (who is a chair of GEO Blue Planet's Executive Committee) to share knowledge about ocean and coastal satellite data and information internationally.

Portfolio Summary

GEO Blue Planet (www.geoblueplanet.org) is an international initiative that bridges the gap between data and services to deliver usable information that supports informed decision-making toward reaching sustainable development. It consists of a network of ocean and coastal-observers, social scientists and end-user representatives from a variety of stakeholder groups, including international and regional organizations, NGOs, national institutes, universities and government agencies. GEO Blue Planet is the ocean and coastal arm of the Group on Earth Observations (GEO), a partnership of more than 100 national governments and in excess of 100 Participating Organizations that envisions a future where decisions and actions for the benefit of humankind are informed by coordinated, comprehensive and sustained Earth observations.

In this position, the fellow will work with the executive director of the GEO Blue Planet Secretariat, hosted by NOAA NESDIS/STAR/SOCD in College Park, Maryland, and international partners to support the GEO Blue Planet Initiative.

The fellow will work to identify stakeholder needs (particularly in developing countries) and support the executive director of the Secretariat in administrative and coordination duties. During their fellowship, a fellow should expect to get first-hand experience working with high level intergovernmental organizations, like the United Nations Environment Program, and also with local stakeholders and users in coastal communities in various regions in the world, the private sector, NGOs and within NOAA. The fellow will support GEO Blue Planet's engagement with the Group on Earth Observations policy objectives: the Sendai Framework for Disaster Risk Reduction, the UN 2030 Agenda, and the UNFCCC. The fellow will have the opportunity to lead development of a working group and project and can

choose from a portfolio of topics including (but not limited to) fisheries, marine pollution and climate adaptation.

Day In the Life

On a day to day basis, the fellow will work to manage US contributions to GEO Blue Planet. The fellow will also work with the European and Asian offices of GEO Blue Planet and the Executive Director to manage international projects and activities. The fellow will engage daily with international stakeholders from international agencies and NGOs. Cross-agency domestic engagement will also be part of the fellow's duties. Projects will vary in scope and magnitude, and can include, but not limited to, the use of Earth observations for the monitoring and management of marine pollution, maritime safety, disaster risk, and sustainable fisheries. Specific duties will include giving presentations, supporting decision support tool development, organizing and hosting international workshops and producing peer-reviewed and general outreach materials.

Expertise Desired

Communication skills, excellent organization skills, and be comfortable working independently and as part of a team. An understanding of oceanography and challenges to sustainable development and mitigation efforts required for coastal community sustainability is a plus. An interest in international policy is encouraged.

Office Culture

The GEO Blue Planet Initiative is a voluntary thematic network that focuses on the use of ocean and coastal observations for societal benefit. GEO Blue Planet is an open community and all who share the interests of the GEO Blue Planet community are welcome to join. The Secretariat is geographically distributed, currently with offices located in Asia, Europe and North America which together support GEO Blue Planet's global activities. While the fellow will be based at NOAA, the fellow will work collaboratively with the Secretariat offices in France and South Korea and with Steering Committee and Working Group members around the world. Since participants in GEO Blue Planet participate voluntarily, they truly care about the mission of GEO Blue Planet and the GEO Blue Planet community. We take a coaching leadership style with fellows, focusing on developing the fellow's talents and helping them find and develop new talents and skills. Strict hierarchy is not our model - we aim for a Constellation mindset for leadership.

Covid-19 Comments

Our office is currently in mandatory telework. The fellow will have flexible telework available with office space available in College Park, MD at the National Center for Weather and Climate Prediction when the building opens back up.

Office Location

College Park, MD (NOAA Center for Weather and Climate Prediction)

Travel within DC (days per month)

0-3 (depends on the COVID situation)

Travel outside DC (days per month)

0-2 international trips (depending on COVID travel situation)

Primary Mentor

Emily Smail, Executive Director, GEO Blue Planet

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-64

Position Title

Science Education and Policy Fellow

Agency

NOAA; Headquarters Office

Office

Office of Education

Office Priorities

NOAA's Office of Education (OEd) is the only office in the agency dedicated solely to advancing oceanic and atmospheric science through education. With workspaces in both NOAA headquarters in Silver Spring, Maryland, and the Department of Commerce building in downtown Washington, D.C., the office serves two main functions. First, the office runs programs of its own. These include: competitive grant competitions, student scholarships, partnerships with minority serving institutions (universities), and collaborative networks of educational institutions like aquariums and museums. Second, the office acts as a unifying force for other education-related initiatives embedded throughout the agency. The office brings together NOAA programs with a major focus on education—programs like National Marine Sanctuaries, Sea Grant, and the Climate Program Office—through the NOAA Education Council. There, these programs work collaboratively on projects, creating a more cohesive and effective agency-wide approach to educating the public on the NOAA sciences.

Portfolio Summary

NOAA's Office of Education (OEd) is the only office in the agency dedicated solely to advancing oceanic and atmospheric science through education. With workspaces in both NOAA headquarters in Silver Spring, Maryland, and the Department of Commerce building in downtown Washington, D.C., the office serves two main functions. First, the office runs programs of its own. These include: grant competitions, student scholarships, partnerships with minority serving institutions (universities), and collaborative networks of educational institutions like aquariums and museums. Second, the office acts as a unifying force for other education-related initiatives embedded throughout the agency. The office brings together NOAA programs with a major focus on education—programs like National Marine Sanctuaries, Sea Grant, and the Climate Program Office—through the NOAA Education Council. There, these programs work collaboratively on projects, creating a more cohesive and effective agency-wide approach to educating the public on the NOAA sciences.

Because OEd is a relatively small office with a broad charge, the OEd Knauss fellow will gain a breadth of experience through a range of projects. Time spent on individual projects will vary according to the fellow's interests and the office's needs, with opportunities for leadership on projects of particular interest. The fellow will have the opportunity to do the following:

- Contribute to congressional affairs
- The fellow will work with the congressional affairs team to prepare and attend Congressional briefings alongside the OEd director, communicating the activities and value of NOAA Education

to key Senate and House offices and committees. This will involve helping to develop OEd's congressional strategy and coordinating data calls with OEd programs and the NOAA Education Council. Additionally, the fellow will help synthesize responses to rapid turnaround requests from Congress as well as leadership at NOAA and the Department of Commerce.

- Support external partnerships and grantees
- The fellow will spend a portion of their time working at the nexus of NOAA and external innovative educational institutions to advance climate resilience goals. There are many possible programs in which the fellow could be involved.
- The fellow may support the Environmental Literacy Program, including grant competitions and the network of resilience education grantees. The fellow may support the Coastal Ecosystem Learning Centers Network (CELC), a consortium of exceptional conservation-driven aquariums across North America.
- The fellow may support NOAA's premiere data visualization technology platform, Science On a Sphere and the network of museum users.
- The fellow may assist in guiding the program and contribute ideas for how NOAA's data products can best be brought to educators and the public. Additionally, the fellow may support the office's work with our federal partners, such as the National Science Foundation.
- Explore other projects as they relate to the fellow's background or interests
- The fellow can also dive into other OEd initiatives as they relate to the fellow's background and interests. These opportunities may include: providing support to OEd leadership in meetings with NOAA leadership, supporting the NOAA Education Council, creating engaging science education content for the web and social media (e.g., NOAA Live! 4 Kids), assisting with education-related outreach events, and supporting the Bay-Watershed Education and Training Program.

For more information about OEd's programs visit: <https://www.noaa.gov/office-education>

Day In the Life

A day in the life of an OEd Knauss fellow is highly varied, ranging from attending Congressional briefings with the director to internal team meetings focused on something like how to manage a competitive grants process. There is an emphasis on teamwork as opposed to a lot of individual work. This position offers a unique opportunity to work on program implementation at the ground level but also to serve all of NOAA by synthesizing and summarizing what is happening agency-wide for education. There is an emphasis on communication, both written and oral. The fellow will get to work on different teams within the office as well as efforts that work across the entire agency and across external networks of institutions. The fellow will get a sense of how NOAA coordinates education internally and how NOAA interacts with education stakeholders externally.

Expertise Desired

The fellow should have these skills:

- Ability to thrive in a highly collaborative and dynamic workplace
- Excellent written and oral communication skills
- Excellent interpersonal skills
- Independent problem-solving skills

It is desirable that the fellow also have the following:

- Experience in or enthusiasm for informal and/or formal education
- Experience in translating science and policy for general audiences
- Knowledge of, or prior involvement with, environmental and/or science education programs
- Adaptability for changing work conditions that may involve telework (using multiple platforms), independent work, and in-person team work

Office Culture

The people who work in OEd are extremely dedicated to and passionate about engaging as many people as possible in the United States in NOAA's mission. Office staff are committed to advancing NOAA's diversity, equity and inclusion goals. The office is a highly collaborative environment that supports each individual's needs and growth. We welcome fellows of various backgrounds and consider them full team members from day one. We also support open communication in the office and provide as much guidance as needed for the fellow to thrive in their work. We encourage our team members to find creative approaches, and to learn and share with each other and with office leadership.

Covid-19 Comments

All staff in the office are currently working remotely. Once COVID-19 case rates decline and NOAA facilities are allowed to reopen, we will move toward a hybrid model where staff mix in-person work with telework each week. The fellow would be expected to work in-person if NOAA facilities are re-opened unless there are circumstances that prevent that.

Office Location

Dept. of Commerce, HCHB 6863

Travel within DC (days per month)

3-6; highly dependent on COVID-19 pandemic situation

Travel outside DC (days per month)

3-6; highly dependent on COVID-19 pandemic situation

Primary Mentor

Carrie McDougall, Senior Program Manager

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

Yes

Position ID

E22-65

Position Title

International Relations Fellow

Agency

NOAA; National Environmental Satellite, Data, and Information Service (NESDIS)

Office

International & Interagency Affairs Division (IIAD)

Office Priorities

Partnerships are a key part of the NESDIS Strategic Plan. NESDIS relies extensively on our partners to meet our mission needs to provide global coverage of high quality and continuous near-real-time data. Successful partnerships allow us to meet our mission cost-effectively and to be more responsive to the needs of our users and stakeholders. Wondering why we have international and interagency partnerships? Simply put, we can't afford not to. No one nation alone can effectively observe the Earth - interagency and international collaboration is critical to NESDIS' ability to meet our mission. And IIAD plays a pivotal role in ensuring we have the partnerships needed to meet the NESDIS Mission. Specifically, IIAD's mission is to meet the challenge of understanding and predicting changes in climate, weather, oceans, and coasts, NESDIS IIAD facilitates the access, provision, and use of in situ and satellite data and products, and develops and implements U.S. policy by:

- Linking Earth observation needs to in situ and satellite resources through bilateral international and interagency partnerships;
- Coordinating global solutions to shared challenges in obtaining, processing, and building capacity to exploit both in situ and satellite data by representing NOAA and the United States in multilateral satellite and data information organizations;
- Providing insight into international developments and partnerships through timely analysis for NOAA decision-makers; and
- Leading the international community in the adoption of responsible policies for satellite operation and data, including full and open data sharing.

NESDIS supports national space and climate policy and coordinates international space capabilities as well as climate data management & science through engagement and leadership in multilateral forums.

The US Government has long encouraged international collaboration and data sharing, and NESDIS has been a leader in the development of policies in this area as well as in the exercise of international cooperative agreements. The US recognizes partnerships as an important way to minimize unnecessary redundancy and to ensure the effective use of limited resources.

NESDIS IIAD also represents NOAA at the US Civil Space Dialogues – high level policy meetings held with a variety of countries and regions, including Europe, Korea, Japan, China, Australia, Thailand, Indonesia among others.

Lastly, IIAD assists all of NESDIS' scientists and policy makers when they want to consider new cooperation with another country, international organization or interagency partner. On a more day-to-

day note: think of IIAD as the American Express of NESDIS – “Don’t Leave Home Without Us!” Planning to travel to another country for work...call us. IIAD helps set up meetings, provide background on other NESDIS and NOAA activities in the country/region, share country etiquette, and provide contacts in-country and with the State Department/Embassies as needed.

Portfolio Summary

The International Relations Fellow will serve as an international relations specialist and also as the Coordinator for the Inter-American Academy of Geosciences and Applications.

We will tailor the specific international affairs duties to the individual Sea Grant fellow, and the duties will include:

- Serving as a focal point for assigned countries within a region, likely Asia-Pacific, and/or international organizations, including the intergovernmental Group on Earth Observations (GEO);
- Providing senior leadership, such as NESDIS Assistant Administrator Dr. Stephen Volz, with briefing materials and presentations and as well as expert staff support for foreign travel;
- Coordinating cooperative activities, monitoring developments in foreign partner policies and programs, and supporting the development, negotiation and implementation of agreements;
- Monitoring national and international Earth observation policies, projects and programs to advise on changes in policies and/or resources that may impact NESDIS partnerships and goals;
- Supporting the organization of and/or NESDIS participation in international and inter-agency meetings including coordinating across NOAA and with other agencies, advising on protocol, and ensuring timely preparation of reports; and
- Consulting with officials of other agencies and across NOAA to refine objectives, develop strategies, and coordinate international cooperation and negotiation tactics.
- Approximately half of the fellow’s time will be devoted to serving as the coordinator for the Inter-American Academy of Geosciences and Applications. The Academy focuses on strengthening the capacity of the Inter-American community to advance the application of Earth observations, geospatial, statistical, and other data to improve understanding and promote data-driven decision making. The Secretariat of AmeriGEO - the Americas region of the intergovernmental Group on Earth Observations (GEO) - hosts the Academy on behalf of the growing network of public and private institutions, academia, and commercial partners. As the coordinator for the Academy, the fellow will:
 - Coordinate with partners from USGEO, AmeriGEO, and the joint AmeriGEO - UN-GGIM Americas Capacity Development Working Group;
 - Identify strategic organizations in the international community to develop and provide Capacity building opportunities through the Academy;
 - Coordinate with Academic networks in the region to research the potential of course accreditation and/or a professional badging system;
 - Collect course content for the platform, including coordinating with course instructors and reviewing publicly available content from other relevant platforms;
 - Administer the academy platform, including coordination of the platform’s technical infrastructure with the U.S. Geological Survey (USGS);
 - Explore opportunities to expand the offerings available on the Platform as well as the reach of the Academy across the region; and

- Manage the collection and analysis of metrics from the Academy platform along with feedback from stakeholders to improve the Academy platform and offerings.

Day In the Life

As an International Relations Specialist, your role will be to connect NESDIS programs to the world. While your day to day work may change based on shifting office needs and priorities, the central ethos of the work will be enabling international partnerships through the creation and evaluation of international agreements and negotiations, advising on U.S. foreign policy as it pertains to earth observing and data access and use, and working closely with the Group on Earth Observations (GEO) to coordinate the Inter-American Academy of Geosciences and Applications. You may frequently engage in both short-fuse tasks and actions and longer-term projects, such as writing reports. A central part of the role will also be providing staff support to senior leaders across NOAA including the NESDIS Assistant Administrator, Dr. Stephen Volz. This role will also include domestic and international travel if and when the COVID-19 pandemic restrictions change.

Expertise Desired

The expertise we most desire in a Fellow includes a willingness to learn, an interest in using science and technology cooperation as a tool for international diplomacy, the ability to work well as part of an energetic team, and a sense of humor. A successful Fellow must be able to communicate clearly and convincingly, verbally and in writing, for the intended audience including non-scientists and foreign partners. In addition, working well under deadlines and having strong interpersonal skills will help a Fellow succeed in our office. Experience working on web platforms and Spanish proficiency is a plus. The Fellow must be able and willing to travel domestically and internationally, and have (or be able to obtain) a U.S. passport.

Office Culture

NESDIS/IIAD leads our organization in exemplifying a healthy corporate culture and offers more than just a great place to work, as our office traditionally ranks in the top percentile of our organization's "Office Health Index (OHI). Your professional development and growth is important to us as we execute the NESDIS/IIAD mission. You will receive mentoring from senior members of our team, and will be treated as a full member of the team and encouraged to take on more leadership roles throughout the fellowship year.

Office leadership places policies, practices, and people as central elements to orchestrating the ideal work environment. Efforts are made to ensure this is a transparent and inclusive work environment with opportunities for you to contribute to our work at many levels through facilitating open, two-way communication regarding the changes, opportunities and challenges that may arise throughout the year. IIAD staff work in a collaborative and innovative manner to encourage employees to exercise creativity while accomplishing their work. Leadership encourages teamwork amongst staff through open and honest communication. To ensure IIAD maintains a healthy work culture, the office regularly evaluates practices and policies to evaluate how staff are interacting with each other, and welcomes feedback to identify opportunities for improvement. Continued learning opportunities are strongly encouraged, as it enables team members to further develop their own skills and identify potential areas for growth.

Covid-19 Comments

Under the COVID evacuation order our staff are teleworking from their homes and occasionally working from the office with pre-approval. Some travel has resumed. We remain hopeful that by February 2022, we will be back in the office most days.

Office Location

7th Floor, SSMC-1, 1335 East West Hwy, Silver Spring, MD

Travel within DC (days per month)

Several

Travel outside DC (days per month)

0-7 days, including international travel

Primary Mentor

Mary Ann Kutny, Deputy Director

Hosted a Previous Fellow

Mentor: Yes, in a past office, Office: No

Accepts Foreign Nationals

No

Position ID

E22-66

Position Title

SOWO and M Fellow

Agency

U.S. Department of Energy (DOE)

Office

Office of Energy Efficiency and Renewable Energy – Wind Energy Technologies Office

Office Priorities

The Department of Energy's Wind Energy Technologies Office (WETO) invests in research that leads to the development of offshore and land-based wind projects in an environmentally-sound and cost-effective way. As part of WETO's large and growing offshore wind program, the fellow will have the unique opportunity to work at the intersection of marine science and renewable energy.

Portfolio Summary

Core responsibilities may include the following activities. The positions will be tailored to the mutual interest and experience of the fellows and the needs of the Office:

Offshore Wind O&M and Reliability Research Strategy Development:

- Assist in and potentially lead the development of an office-wide roadmap for O&M and Reliability technologies for offshore wind applications. This effort will include literature surveys and regular conversations with research leaders and relevant stakeholders to assess the current state of the art and to develop a plan for advancing it over the coming years.

Additional potential responsibilities:

- Providing support and analysis to international data-sharing and research collaboration efforts.
- Identifying key economic drivers influencing the cost of energy for offshore wind energy installations.
- Recommending research projects, initiatives and approaches to support the development of offshore wind.
- Assist in development of funding solicitations and participate in project selection process.
- Support coordination of internal WETO offshore wind activities and conduct program portfolio analyses.
- Aid in management and analysis of economic implications of offshore wind technology advancements.
- Developing materials to communicate the Program's mission and activities to internal and external stakeholders.
- Assisting the program in meeting other needs of internal and external stakeholders as they arise.
- Support for offshore wind technology development portfolio, given fellow expertise.
- Other duties as required.

Fellows will report to Michael Derby, Program Manager for the Technology R&D portfolio, and Nathan McKenzie, Technology Manager for Offshore Wind R&D within the Technology R&D portfolio.

Day In the Life

Fellows will be working across a range of groups and levels, ranging from small internal teams, to coordination and partnership efforts across offices within DOE and across a suite of government agencies and national laboratories. Fellows will be working with a dynamic office of about 30 people across biology, social science, technology development, and engineering backgrounds. Most day to day interactions will involve a smaller in-office team that focuses on wind energy issues in relation to technology R&D. Day-to-day duties will vary across projects as chosen by the fellow but will likely include participating in team goal planning, receiving updates on funded DOE research and projects, helping to plan for future funding, as well as participating in efforts to create a positive working environment.

Expertise Desired

Preferred subject matter expertise could include any of the following:

- Materials Science
- Marine policy
- Ocean engineering
- Meteorology
- Economics
- Naval architecture
- Mechanical or Aerospace Engineering

Additional preferred expertise:

- Excellent oral and written communication skills
- Knowledge of offshore wind technology, economics, resource assessments or other areas of expertise germane to offshore technology R&D

Office Culture

WETO has efforts dedicated to maintaining and improving a positive office culture. This includes the WETO Collaboratory – a group focused on creating opportunities for DEI outreach and learning, clarity in office procedures and expectations, and general positive working culture. An example of work done by the Collaboratory includes a monthly Power Hour where an office member chooses an article, podcast, or video on any wind energy or adjacent topic to share with the office and hold a discussion. There are also virtual happy hours and parties to socialize more casually.

Covid-19 Comments

Telework

Office Location

Washington DC

Travel within DC (days per month)

0

Travel outside DC (days per month)

0

Primary Mentor

Nathan McKenzie, Technology Manager for Offshore Wind R&D

Hosted a Previous Fellow

Mentor: No, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-67

Position Title

Workforce and Environment Fellow

Agency

U.S. Department of Energy (DOE)

Office

Wind Energy Technologies Office

Office Priorities

The Department of Energy's Wind Energy Technologies Office (WETO) invests in research that leads to the development of offshore and land-based wind projects in an environmentally-sound and cost-effective way. As part of WETO's large and growing offshore wind program, the fellow will have the unique opportunity to work at the intersection of marine science, environmental sustainability, and renewable energy.

Portfolio Summary

The Department of Energy's (DOE) Wind Energy Technologies Office (WETO) is seeking a Knauss Sea Grant fellow to assist in the management and execution of the office's STEM and workforce development portfolio as well as the environmental portfolio. This will include activities that support DOE's mission to increase the offshore wind energy workforce through STEM outreach and education as well as support research to explore the potential environmental impacts of offshore wind energy development. Roughly 60% of fellow's portfolio will be on the STEM and workforce component, roughly 20% on the environmental component, with roughly 20% on additional areas of focus tailored to the interest of the fellow. The fellow may also have the opportunity to help determine programmatic research priorities, manage research projects and research procurement efforts, as well as develop future research and development and policy analysis efforts.

The fellow will report to and work most closely with Amber Frumkin – STEM and workforce development lead and Naomi Lewandowski – offshore wind and environmental specialist and 2020 Knauss fellow, with additional support from Helena Pound – offshore wind and environmental specialist, special assistant to the WETO offshore wind lead and 2021 Knauss Fellow. The fellow will also be encouraged to seek additional mentorship from within and/or outside of WETO.

Workforce and STEM Core Responsibilities:

- Support offshore wind workforce development and STEM activities including expanding the Collegiate Wind Competition to include an offshore wind focus.
- Identifying key challenges and barriers to the development of the offshore wind workforce.
- Developing materials to communicate the mission and activities of the workforce and STEM portfolio to internal and external stakeholders.
- Assisting the program in meeting other needs of internal and external stakeholders as they arise.

Environmental Core Responsibilities:

- Aid in the development and management of the offshore wind environmental research portfolio, focusing on developing and executing projects recently chosen for funding in partnership with other government agencies.
- Aid in managing projects involving: marine mammals, bats, birds, and/or marine ecosystems.

Additional potential responsibilities:

- Support the development of office research strategies, literature reviews, and State of the Science efforts, including offshore wind energy siting research and development strategies aimed at assessing social and socio-economic impacts of wind energy in order to inform the development of mitigation solutions and support co-use of ocean space among diverse user groups.
- Providing support and analysis to international data-sharing and research collaboration efforts.
- Recommending research projects, initiatives and approaches to support the development of offshore wind.
- Support coordination of internal WETO offshore wind activities and conduct program portfolio analyses.
- Aid in management and analysis of economic implications of offshore wind technology advancements, given fellow expertise.
- Support for offshore wind technology development portfolio, given fellow expertise.
- Other duties as required.

Day In the Life

Fellows will be working across a range of groups and levels, ranging from small internal teams, to coordination and partnership efforts across offices within DOE and across a suite of government agencies and national laboratories. Fellows will be working with a dynamic office of about 30 people across biology, social science, technology development, and engineering backgrounds. Most day to day interactions will involve a smaller in-office team of about 10 people that focus on wind energy issues in relation to the environment, siting, workforce development, and the energy grid. Day-to-day duties will vary across projects as chosen by the fellow but will likely include participating in team goal planning, receiving updates on funded DOE research and projects, helping to plan for future funding, as well as participating in efforts to create a positive working environment.

Expertise Desired

- Previous experience in offshore wind energy is not a requirement, but enthusiasm, curiosity, and a drive to try new things is essential! Expertise in any of the following areas would be desired and immediately relevant.
- STEM education
- Workforce development
- Science communication
- Marine or aquatic biology
- Biology, particularly with a focus on birds or marine mammals
- Ocean policy
- Ocean engineering
- Meteorology

Additional preferred expertise:

- Excellent oral and written communication skills
- Desire to work on a collaborative team and take on leadership roles as desired

Office Culture

The fellow will work closely with a smaller team of about 10 people that works together frequently and is highly dedicated to inclusivity, mutual support, and learning from one another. This team also puts together brown bags to share personal skills/accomplishments or host speakers on wind energy related topics.

The broader WETO office has coordinated efforts dedicated to maintaining and improving a positive office culture. This includes the WETO Collaboratory – a group focused on creating opportunities for DEI outreach and learning, clarity in office procedures and expectations, and general positive working culture. An example of work done by the Collaboratory includes a monthly Power Hour where an office member chooses an article, podcast, or video on any wind energy or adjacent topic to share with the office and hold a discussion. There are also virtual happy hours and parties to socialize more casually.

Covid-19 Comments

Currently all WETO staff are teleworking by direction of DOE administration. Should this situation change in the coming year, there would be a preference for the fellows to re-locate to DC but this is negotiable based on timing and fellow needs.

Office Location

1000 Independence Ave, Washington, DC

Travel within DC (days per month)

4-5

Travel outside DC (days per month)

1-2 DOE non-essential travel is currently not allowed due to the Coronavirus. However, the office is supportive of travel during normal operations.

Primary Mentor

Amber Frumkin, STEM and Workforce Development Lead

Hosted a Previous Fellow

Mentor: No, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-68

Position Title

Offshore Wind Grid Integration Specialist

Agency

U.S. Department of Energy (DOE)

Office

Wind Energy Technologies Office

Office Priorities

The Department of Energy's Wind Energy Technologies Office (WETO) invests in research that leads to the development of offshore and land-based wind projects in an environmentally-sound and cost-effective way. As part of WETO's large and growing offshore wind program to achieving the Administration's 2030 and 2050 offshore wind deployment goals and beyond, fellows will have the unique opportunity to work at the intersection of marine science, environmental sustainability, grid, and renewable energy.

Portfolio Summary

The Department of Energy's Wind Energy Technologies Office (WETO) invests in research that leads to the development of offshore and land-based wind projects in an environmentally-sound and cost-effective way. WETO's Systems Integration program conducts research to ensure transmission access and secure, reliable, and resilient system operation with large scale wind deployment in next decade for both offshore wind and land based wind.

WETO is seeking one Knauss Sea Grant fellow to assist in the management and execution of offshore wind grid integration activities. This position (Offshore Wind Grid Integration Specialist) is focused on development and management of the office's offshore wind grid integration portfolio, with additional areas of focus tailored to the interest of the fellow. The fellows may also have the opportunity to help determine programmatic research priorities, manage research projects and research procurement efforts, as well as develop future research and development efforts.

Core responsibilities may include the following activities. The positions will be tailored to the mutual interest and experience of the fellow and the needs of the Office:

Offshore Wind Grid integration:

- Aid in the development and management of the offshore wind grid integration research portfolio, focusing on developing strategies to address policy and technology barriers for offshore wind transmission.
- Aid in managing projects involving offshore transmission analysis and support new solicitation development in offshore wind hybrid.

Additional potential responsibilities:

- Support the development of office research strategies, literature reviews, and State of the Art efforts, including offshore cables impacts and HVDC technology gaps.

- Identifying key technological, regulatory, environmental, and socio-economic barriers to the development of the offshore wind industry.
- Recommending research projects, initiatives and approaches to support the development of offshore wind.
- Support coordination of internal WETO offshore wind activities and conduct program portfolio analyses.
- Aid in management and analysis of economic implications of offshore wind technology advancements.
- Developing materials to communicate the Program's mission and activities to internal and external stakeholders.
- Assisting the program in meeting other needs of internal and external stakeholders as they arise.
- Support for offshore wind technology development portfolio, given fellow expertise.
- Other duties as required.

Day In the Life

Day-to-day duties will vary across projects as chosen by the fellows but will likely include participating in team goal planning, receiving updates on funded DOE research and projects, helping to plan for future funding, as well as participating in efforts to create a positive working environment.

Expertise Desired

Preferred subject matter expertise could include any of the following:

- Grid policy
- Electrical Engineering
- Meteorology
- Economics
- Social science

Additional preferred expertise:

- Excellent oral and written communication skills
- Optional: Knowledge of offshore wind transmission, market policy, grid planning and operation, or associated research
- Optional: Knowledge of offshore wind technology, economics, resource assessments or other areas of expertise germane to offshore technology R&D and siting and deployment

Office Culture

Fellows will be working across a range of groups and levels, ranging from small internal teams, to coordination and partnership efforts across suite of government agencies and across offices within DOE. Fellows will be working with a dynamic office of about 30 people across technology, engineering, biology, and social science backgrounds. As well as a smaller in-office team of about 10 people that focus on wind energy issues in relation to the environment, siting, workforce development, and the energy grid.

Covid-19 Comments

The office is still under 100% telework situation. When we return to normal operations, the fellow can expect a physical workspace in the Forrestal building in downtown DC on the National Mall.

Office Location

Washington, DC

Travel within DC (days per month)

4-5

Travel outside DC (days per month)

1-2

Primary Mentor

Jian Fu, Program Lead, Systems Integration

Hosted a Previous Fellow

Mentor: No, Office: No

Accepts Foreign Nationals

No

Position ID

E22-69

Position Title

Interagency and Outreach Fellow

Agency

U.S. Department of Energy (DOE)

Office

Wind Energy Technologies Office

Office Priorities

The U.S. Department of Energy (DOE) conducts and supports a wide range of activities related to energy policy and research. Within DOE, the Office of Energy Efficiency and Renewable Energy (EERE) works to accelerate the research, development, demonstration, and deployment of technologies and solutions to equitably transition America to net-zero greenhouse gas emissions economy-wide by no later than 2050. EERE houses several offices dedicated to various types of renewable energy and deploying those technologies in an environmentally sound and cost-effective way, including two that the Fellow will be working between: the Water Power Technologies Office and the Wind Energy Technologies Office.

Water Power Technologies Office (WPTO): Marine Energy (ME) technologies harness renewable, carbon-free energy from the power of waves, tides, ocean currents, and ocean thermal gradients. These technologies are still in the early stages of development and demonstrations and commercial deployments are just beginning in countries around the world. The ME Team within WPTO (about 25-30 people, most in DC) directly funds a broad range of science and technology R&D to develop and test these new technologies.

Wind Energy Technologies Office (WETO): WETO invests in research that leads to the development of wind energy projects—this includes wind turbines and wind farms both offshore and on land. Fellows will be working with a dynamic office of about 30 people with biology, social science, technology, and engineering backgrounds, as well as a smaller offshore wind team of about 10 people that focuses on addressing the challenges of developing wind energy infrastructure in the ocean environment.

As DOE work is inherently interdisciplinary, Fellows will have the unique opportunity to work at the intersection of marine science, instrumentation, economics, technology commercialization, environmental sustainability, stakeholder engagement, and renewable energy.

Portfolio Summary

It's important to note that work for previous Fellows has always been tailored to the interests and experience of the individual given the breadth of work available across the Offices' portfolios. Fellows are encouraged to spend their first month learning about the various activities and identifying where they would like to be involved in addition to some of the duties identified by the bullet points under 'specific responsibilities'. The Fellow will spend roughly half of their time on the interagency portfolio, a quarter of their time on the NOAA NSGO Partnerships and Outreach Portfolio, and their remaining time exploring projects of interest across both WETO and WPTO.

Interagency Portfolio:

The Fellow will be uniquely positioned between the Marine Energy and Offshore Wind teams to help identify opportunities to work collaboratively with other federal agencies and to strengthen the coordination of ongoing work for existing partnered projects. To accomplish this, the Fellow will attend interagency meetings named above as well as others as dictated by their interest, track ongoing priorities, tasks, and identify areas for DOE to collaborate with other agencies.

The Fellow will assist in managing DOE interactions with the Ocean Policy Committee (OPC) and related sub-groups, as well as ensuring the representation of WETO, WPTO, and other DOE ocean equities in these groups. The Fellow may also help lead the WPTO/WETO-led Federal Renewable Offshore Energy Working Group, a staff-level information sharing and advisory group for all federal agencies involved in offshore renewable energy.

In addition to cross-DOE priorities, the fellow will have the opportunities to work on topics specific to each office in the interagency space, for example, the Wind Office engages in a range of interagency groups that focus on topics from noise impacts on marine mammals to joint research funding opportunities between agencies. The Water Power office has a portfolio of more than 50 ongoing research projects covering the spectrum from oceanographic research and data collection to better characterize high-energy ME resources, component engineering and system development / testing of new prototype systems at-sea, new high-performance environmental monitoring instrumentation development and associated research to characterize potential environmental risks from the deployment of ME technologies, and data synthesis and dissemination to multiple users (including federal and state regulatory agencies, policy-makers, researchers, and technology developers). All of these topics are relevant to other agency missions, and the Fellow will have the opportunity to draw connections across offices and agencies to ensure the most impactful work is conducted.

The ideal Fellow should be interested in working across different DOE offices (intra-agency), but also across various agencies (interagency) to coordinate a shared vision for the federal ocean-energy community, an element of the position that is expected to take up 50% of their time. The Fellow should be able to work independently and take initiative to set up long-lasting partnerships.

Sea Grant and Outreach Portfolio:

The DOE offices envision a fellow serving as a key point of interaction and providing thought leadership between the various programmatic equities, such as wave, tidal, and current energy, offshore wind development, maritime electrification, and marine science. The Fellow will work to support the Partnerships lead to implement a partnerships strategy to support community-based priorities of the NSGO and its 34 university-based affiliates. The ideal Fellow should be interested in working across agencies, levels of government (federal, tribal, state, and local), and disciplines. This experience will allow the Fellow to gain a broad understanding of how entities work together for coastal communities, gain important exposure to a large network of individuals across marine energy, and obtain firsthand experience in understanding how the Sea Grant network functions.

Specific responsibilities of this position may include:

- Providing policy and program support for interagency collaboration around energy innovation in the Blue Economy across WPTO and WETO
- Represent WETO/WPTO on several interagency ocean policy groups, including the National Oceanographic Partnership Program (NOPP) and the Subcommittee on Ocean Science and Technology (SOST)
- Potential leadership role or support and analysis for the WPTO/WETO-led Federal Renewable Offshore Energy Working Group

- Working with WPTO and WETO to support the implementation of a strategic partnership plan aimed at supporting the NOAA Sea Grant Program Office (NSGO) and associated or relevant products or experiences
- As relevant to the project, serve as a coordinator with other offices with ocean science, technology, and policy equities, like the Bioenergy Technologies Office, the Fuel Cells Technology Office, DOE's Office of Science, and other offices to be determined at NOAA
- Other duties as required
- Under normal circumstances, travel (international and domestic) to attend conferences, events, technical tours, or other events of interest to the office or the Fellow is highly encouraged.

DOE is typically able to provide additional travel funding and encourages Fellows to take full advantage of these funds, in-person (if possible), and/or virtually.

Day In the Life

Work at both WPTO and WETO is very collaborative, and both offices regularly work in close-knit teams. Much of the Fellow's time will be dedicated to attending interagency and regional ocean policy group meetings for opportunities to connect with representatives from NOAA, NSF, BOEM, Navy and other relevant agencies. During these interagency meetings the Fellow will serve several different roles within these groups. This role is ideal for a Fellow interested in a wide array of marine policy topics as they have the opportunity to be connected across the federal government. The Fellow will be expected to keep track of meeting notes and agendas to provide regular updates to the WETO and WPTO offices. The Fellow will also spend time working in coordination with both offices and with NOAA's Sea Grant Network, working on both a national and regional scale. The Fellow will be a support a coordination and partnership support function for the DOE multi-office Partnerships team, a team comprised of a former NOAA NSG fellow who is the Partnerships lead, the Community Impacts Research and Outreach lead at WETO, and the WPTO lead for the Powering the Blue Economy efforts for Resilient Coastal Communities and partners at NOAA NSGO.

Each office has hosted Knauss Fellows before and encourages Fellows to take on leadership roles in existing projects as well as initiate their own projects. The position would report jointly to the WETO and WPTO. In the Water Power Office, the Fellow would report to Carrie Schmaus (technology manager and 2018 Knauss Fellow) and Katie Morrice (marine scientist and 2020 Knauss Fellow), with support from the ME Program Manager, Tim Ramsey. In the Wind Energy Office, Fellows will report to Maggie Yancey (Outreach and Engagement lead), Naomi Lewandowski (ORISE fellow, environmental specialist, and 2020 Knauss Fellow), Shaelyn Patzer (partnership specialist and 2021 Fellow), and Rin Ball (outreach specialist and 2021 Knauss Fellow).

Fellows will be closely mentored by WPTO and WETO staff, depending on their interests and areas of work, as well as encouraged to find additional mentorship in and out of WPTO and WETO. The position is a mix (about 50/50) between High Level (30,000 foot) and Ground Level, with flexibility for the fellow to choose additional projects based on their interests in projects happening across both offices.

Expertise Desired

The WETO and WPTO portfolios of activities are broad, covering a wide variety of marine science and policy areas. Previous experience in ocean renewables or energy is not necessary (and few of the offices' previous Fellows have had any), but enthusiasm, curiosity, and a drive to try new things are essential! Expertise in any of the following areas would be desired and immediately relevant.

- Any relevant experience / familiarity with offshore renewable energy technologies, including offshore wind, wave energy, ocean thermal conversion energy (OTEC), tidal/current energy, salinity/pressure gradients, or newly proposed marine bio-algal aquaculture systems
- Interest in interdisciplinary, interagency, collaborative work
- Background or interest in strategic planning and implementation
- Background or interest in remote or isolated communities and stakeholder engagement at local, state, tribal, and federal levels
- Ability to synthesize and communicate complex scientific information to various stakeholders and build relationships
- Ability to work independently, but also in a collaborative team
- Experience or interest in developing facilitation and partnership building skills

Office Culture

The fellow will work closely with a smaller team of about 10 people across both offices (WETO and WPTO) that works together frequently and is highly dedicated to inclusivity, mutual support, and learning from one another.

Both WETO and WPTO have efforts dedicated to maintaining and improving a positive office culture. One example is the WETO Collaboratory – a group focused on creating opportunities for DEI outreach and learning, clarity in office procedures and expectations, and general positive working culture. An example of work done by the Collaboratory includes a monthly community education Power Hour discussion where an office member chooses an article, podcast, or video on any wind energy or adjacent topic to share with the office and hold a discussion. WPTO has a monthly brown bag, where office or lab members can present on topics they are working on or are interested in, and there is also a bi-weekly happy hour for DC-based folks to meet up as they are comfortable and available. Both offices also have ad-hoc virtual happy hours and parties to socialize more casually.

Covid-19 Comments

Though the ability to travel is ideal, this position would also be successful if completed via telework. DOE's current telework policies for Fellows under COVID-19 are very flexible, and the office will do their best to take the Fellow's preference into consideration when the return to work policies are finalized.

Office Location

DC

Travel within DC (days per month)

4-5

Travel outside DC (days per month)

4-5

Primary Mentor

Carrie Schmaus, Technology Manager

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-70

Position Title

International Relations and Policy Fellow

Agency

Bureau of Ocean Energy Management (BOEM)

Office

Strategic Policy and International Affairs

Office Priorities

Key office goals and duties include:

- SPIA serves as the bureau lead for international policy and all international activities within BOEM. SPIA conducts strategic planning for bureau international activities, policy analysis, and priority setting, ensuring bureau goals are met. The office ensures that the bureau's international activities are in line with the Director's priorities, the BOEM mission, and larger U.S. strategic foreign policy interests, as well as properly vetted and coordinated within the Department of the Interior and with the U.S. State Department. SPIA's bilateral and multilateral engagement often takes the form of information exchanges, negotiations, international regulators forums, and meetings of international organizations.
- SPIA also leads coordination and implementation of agency and departmental initiatives (assigned by the Bureau Director and Deputy Director), as well as emerging issues (issues/activities that are currently outside of the formal scope of BOEM's existing domestic operations that could impact multiple program or regional offices), that cross multiple BOEM offices or involve other federal agencies. SPIA staff may lead internal teams as part of this process, and/or they may represent the bureau on external teams.

SPIA conducts these and other activities and achieves its mission by working collaboratively with BOEM subject matter experts, other federal agencies, foreign government agencies, international organizations, and other external parties.

Portfolio Summary

The mission of the Bureau of Ocean Energy Management (BOEM) is to manage development of U.S. Outer Continental Shelf energy and mineral resources in an environmentally and economically responsible way. BOEM has formal programs for offshore wind and offshore renewable energy, ocean and environmental science, offshore oil and gas, offshore marine and critical minerals, energy economics, offshore geology and energy resource assessment, and other areas related to management of offshore energy.

The mission of the BOEM Office of Strategic Policy and International Affairs (SPIA) is to provide high quality policy and strategic analysis, internal and external coordination, and project management services to support the resolution of complex energy, mineral, environmental, and geopolitical issues facing the bureau. The work of the office supports bureau decision-making and operations, and it helps achieve departmental and U.S. government priorities.

SPIA is currently leading domestic work related to offshore wind and fishing; offshore wind transmission; offshore wind supply chain development; climate; carbon capture and sequestration; and green hydrogen. The international portfolio covers the full suite of issues and programs for the bureau, with current priorities being bilateral and multilateral offshore wind cooperation; bilateral critical minerals cooperation and engagement in the UN International Seabed Authority; Arctic engagement; environmental science cooperation via energy-related international organizations; and technical assistance on offshore oil and gas. SPIA works closely with the U.S. Department of State, the U.S. Department of Energy, and the U.S. Department of Commerce on many of its activities.

The Fellow will be responsible as a lead point of contact for a number of portfolio items and also work as part of a team of SPIA staff and colleagues from other BOEM offices, Department of the Interior bureaus, and U.S. Government federal agencies. The Fellow can expect to:

- Gain expertise in BOEM mission areas;
- Participate in U.S. interagency foreign policy discussions and international organizations;
- Engage in multilateral activities related to offshore energy;
- Establish dialogues and maintain relationships with foreign counterparts on issues within BOEM's purview;
- Track international activities and larger geopolitical issues for potential impacts to BOEM;
- Coordinate and contribute to the development of BOEM policy positions and facilitate discussions with other agencies as needed;
- Manage both short and long-term projects related to emerging domestic priorities; and
- Prepare BOEM and Department leadership, such as the BOEM Director or the Assistant Secretary for Land and Minerals Management, for meetings with interagency and foreign counterparts on specific topics.

Due to the variety of topics SPIA handles, as well as its frequent interactions across the agency, bureau, and federal government, the Fellow will have the opportunity to work with a wide range of colleagues and pursue areas of interest, both new and existing.

Day In the Life

A day in the life in SPIA often includes both high-level work, interacting across U.S. Government agencies and with foreign counterparts, and ground-level work, digging into a topic of particular importance to BOEM or the Department of the Interior, such as researching a background memo on critical mineral exploration in Japan. Each day can vary greatly, but a given day may include any of the following:

- Working collaboratively to exchange information with a foreign counterpart agency on offshore wind;
- Planning and engaging in multilateral discussions on a wide range of ocean energy topics;
- Advising on international negotiations on conservation and sustainable management of marine resources;
- Representing BOEM in internal U.S. government meetings with NOAA, Department of Energy, Department of State, or others;
- Coordinating data calls;
- Researching and writing to develop policy recommendations or substantive briefing memos;
- Preparing correspondence for the SPIA Director; and/or
- Working with a SPIA colleague on any of the above.

Expertise Desired

SPIA leadership and staff are experienced in understanding a variety of perspectives and working collaboratively to develop solutions to complex issues. Our approach is to facilitate, foster dialogue, and encourage collaboration within or across offices by being open and communicative, strategic, diplomatic, and proactive about problem-solving.

We are seeking a fellow that has strong communication skills (written and verbal); excellent interpersonal skills and an ability to work on teams; enthusiasm for learning new things; and the ability to work well under deadlines and shifting priorities. Experience managing projects and leading teams is also desirable. Someone who enjoys collaborating with a creative and dynamic team but can also lead solo projects on discrete topics would do well.

Office Culture

SPIA consists of curious, diligent, and independent people who enjoy the luxury of a small and trusting team and appreciate a good sense of humor. The Office Director has high but fair expectations and is direct and clear in communicating them. Staff frequently help one another troubleshoot and develop the most effective strategies and approaches to any given issue, both small and large. Virtual work over the last year has improved everyone's comfort utilizing Microsoft Teams to mimic informal and formal in-person communication as much as possible, and the office has successfully onboarded a new employee during maximum telework operations. The Office Director and one staff member are former Knauss fellows with years of mentoring experience and a solid understanding of how to help the Fellow maximize their year regardless of the pandemic.

Covid-19 Comments

BOEM is still in a maximum telework posture due to the pandemic.

Office Location

Main Interior Building in downtown DC; 1849 C St. NW, Washington, DC 20240

Travel within DC (days per month)

0-5 under normal circumstances.

Travel outside DC (days per month)

0-7 under normal circumstances.

Primary Mentor

Emily Lindow, Director, Office of Strategic Policy and International Affairs

Hosted a Previous Fellow

Mentor: The primary mentor has previously mentored fellows and was a fellow herself, while one staff member has hosted and mentored many fellows and was also a fellow herself., Office: No

Accepts Foreign Nationals

No

Position ID

E22-71

Position Title

Ocean Policy Fellow

Agency

Executive Office of the President

Office

Office of Science and Technology Policy, Division of Climate and Energy

Office Priorities

Ocean policy is currently addressed in part through the congressionally authorized Ocean Policy Committee. The Committee is a Cabinet-level interagency body that represents the more than 20 executive agencies and offices with ocean-related equities; it is co-chaired by the Director of OSTP and the Chair of the Council on Environmental Quality (CEQ). The Committee is staffed by an Executive Director and an Ocean Policy Advisor. The Office is administratively housed within OSTP.

Ocean policy staff interact extensively with Federal agencies, and with states, Tribes, and public and private stakeholders across the country. Staff interact with Federal agencies through such related entities as the Subcommittee on Ocean Science and Technology (SOST), under the NSTC, in the development of work plans, reports, projects of opportunity, and other materials; with Federal agency staff on various initiatives and as directed by OSTP and CEQ leadership; and with external coastal and ocean stakeholders.

Portfolio Summary

Office of Science and Technology Policy

In 1976, Congress established the White House Office of Science and Technology Policy (OSTP) to provide the President and others within the Executive Office of the President with advice on the scientific, engineering, and technological aspects of the economy, national security, homeland security, health, foreign relations, the environment, and the technological recovery and use of resources, among other topics. OSTP also leads interagency science and technology policy coordination efforts, assists the Office of Management and Budget with an annual review and analysis of Federal research and development in budgets, and serves as a source of scientific and technological analysis and judgment for the President with respect to major policies, plans, and programs of the Federal Government.

OSTP's Division of Climate and Environment, where OSTP ocean policy staff sit and the Fellow will work, provides subject matter expertise on disciplines including ocean policy, ocean science and technology, climate, water management, earth observations, polar research, natural capital and accounting, and others. The Fellow will primarily support OSTP's ocean policy work, but will have the opportunity to engage in other components of OSTP's portfolio that may be of interests to him or her through projects of opportunity and participation with OSTP co-chairs in the operation of National Science and Technology Council (NSTC) subcommittees.

The Fellow will: 1) assist in developing policy guidance and other materials related to implementation of Administration ocean policy, with a focus on ocean-climate related initiatives, wind energy development

and conservation of marine biodiversity, and implementation of the National Strategy to Map, Explore, and Characterize the U.S. Exclusive Economic Zone; 2) participate in the development and/or implementation of new and/or ongoing ocean policy-related initiatives, which may include such issues as illegal, unregulated, and unreported fishing, aquaculture; new ways to present ocean spatial data; ocean exploration, and others; 3) serve as the primary contact with Federal agency staff in managing the review of reports, work plans, and other ocean science and policy-related materials; 4) participate as directed by OSTP in and provide support for subject matter relevant to ocean policy addressed by subcommittees of the NSTC such as resilience, water management, ocean science and technology, Arctic research, and others; 5) research, analyze, and develop written materials (briefings, memos, slide decks) on various ocean-related topics as needed; 6) support ocean policy staff as needed by serving as a 'plus one' for internal and external meetings and in administration of the Office; and 7) participate in Office and OSTP-specific initiatives as needed. We expect and encourage the Fellow to engage in material, activities, and initiatives specific to his or her subject matter expertise and particular interests.

Day In the Life

The Ocean Policy Fellow position at OSTP works at both the High Level and the Ground Level. For example, the Fellow will work directly with OSTP's Assistant Director for Ocean Policy, and be directly responsible for supporting OSTP's role as a Co-Chair, with the Council on Environmental Quality, in managing the work of the Ocean Policy Committee (OPC). This work will focus on and coordinate policy and implementation actions for both ocean science and technology policy and ocean resource management policy. The Fellow will also work directly with the Director of the interagency Council charged with implementing the National Strategy to Map, Explore, and Characterize the U.S. Exclusive Economic Zone (<https://iocm.noaa.gov/about/documents/strategic-plans/210107-FINALNOMEImplementationPlan-Clean.pdf>). In both capacities, the Fellow will participate in management of the overall work of the Ocean Policy Committee and the Council, work with the multiple agencies that engage in ocean science and research; be responsible for advancing specific implementation actions; and develop meeting agendas, work plans, and policy and technical documents for government and/or public distribution. In doing so, the work will be a mix of fast-paced research, writing, meetings with colleagues (a number of Knauss fellows across the agencies engage in some aspect of the OPC and Council work), deliberative, slower-paced work on longer-term strategic plans, and daily administration (setting agendas, coordinating meetings, writing meeting summaries and next-steps documents, and similar activities).

Expertise Desired

Expertise desired of Fellow:

Capable of working independently and as a member of a team in a deadline-oriented environment; excellent writing and verbal communication skills; life experience in the coastal or ocean realm through work or study; demonstrated intellectual curiosity and a broad range of interests.

Key Requirements:

The selectee must be a U.S. citizen or national; be at least 18 years old and able to obtain and maintain an Executive Office of the President (EOP) favorable security TS-level determination as a prerequisite to appointment. Any appointment with OSTP is conditional until the selectee passes a drug screen and a suitability and/or security background investigation. Any offer EOP management extends prior to a favorable security determination is merely tentative, and the EOP expressly reserves the right to rescind

the conditional offer at any time. Please note that all EOP staff members are subject to random drug testing.

Office Culture

The mission of OSTP is to maximize the benefits of science and technology to advance health, prosperity, security, environmental quality, and justice for all Americans. As a member of OSTP, and as part of the team guided by that mission, the Fellow will employ individual initiative, creative problem solving, and collaborative engagement to balance a range of responsibilities, and the day-to-day experience will reflect that diversity. OSTP office culture is collegial, fast-paced, dead-line oriented, team-based, interdisciplinary, and focused on empowering individual staff to contribute successfully to both individual responsibilities and supporting the office's overall responsibility to develop and represent the use of the highest quality science to inform the President and decision-makers across government.

Covid-19 Comments

Telework

Office Location

Eisenhower Executive Office Building

Travel within DC (days per month)

0

Travel outside DC (days per month)

0

Primary Mentor

Deerin Babb-Brott, Assistant Director for Ocean Policy

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-72

Position Title

CEQ Fellow

Agency

Executive Office of the President

Office

Council on Environmental Quality

Office Priorities

CEQ coordinates Federal environmental efforts and works closely with agencies and other White House offices to develop environmental policies and initiatives. CEQ was originally established as part of the National Environmental Policy Act, and continues to provide government-wide leadership on NEPA. CEQ also houses the Federal Sustainability Office and actively engages in policy work related to climate change, environmental justice, public lands, ocean management, and wildlife conservation.

Portfolio Summary

The Fellow will be a part of CEQ's Conservation Team and support the water portfolio, which includes a wide range of issues covering both freshwater and marine and coastal environments. One of the Fellow's major projects will be to support the work of the Ocean Policy Committee (OPC) and its Ocean Resource Management (ORM) subcommittee. The Fellow will also work closely with counterparts in the Office of Science and Technology Policy on OPC issues and connections between the ORM and its Ocean Science and Technology (OST) subcommittee. The OPC is a congressionally mandated, Secretary-level interagency body that coordinates ocean science and technology and management policy across relevant Federal departments and agencies. These bodies work on ocean priorities that advance the Administration's agenda in the ocean and includes fostering interagency coordination across a range of ocean uses, coordinating Federal action on ocean-based climate solutions, and ensuring coordination between ORM and OST bodies.

Day In the Life

Expect the unexpected at CEQ. As an organization that works across government on a wide range of issues, it's hard to predict exactly what issue you will be working on from one day to the next. Across your tenure at CEQ, you will be involved in researching topics and writing background materials, coordinating agendas and meetings, reviewing legislation and regulatory documents, and supporting senior staff at interagency meetings. You will spend time setting up and attending meetings with constituent groups, participating in interagency discussions, and working to help us implement the Administration's agenda as it relates to water issues.

Expertise Desired

We are looking for a fellow who has strong critical thinking skills, excellent communication skills, and enjoys the challenge of not knowing what they may be up to from one week to the next. Experience

conducting policy research is a plus, but we also need someone who is flexible as needs and priorities change and is willing to jump in and tackle a wide range of responsibilities and issues.

Office Culture

CEQ is mostly staffed by political appointees and detailees from other agencies. There is a high expectation for ethical behavior and strong commitment for advancing environmental policy for the benefit of all.

Covid-19 Comments

Most CEQ staff are currently teleworking full time, although some people are going into the office on a regular but not daily basis. As COVID gets more under control and restrictions lift, more regular attendance in person may become the norm.

Office Location

Telework

Travel within DC (days per month)

0-5. As COVID restrictions lift, there may be meetings across D.C. that the Fellow may need/want to attend in person.

Travel outside DC (days per month)

It is unlikely that this position will involve much official travel as most business is conducted in D.C.

Primary Mentor

Emily Menashes, Deputy Director for Ocean and Coastal Policy

Hosted a Previous Fellow

Mentor: Yes, in a past office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-73

Position Title

EPA Fellow

Agency

U.S. Environmental Protection Agency (EPA)

Office

Office of Water, Office of Science and Technology

Office Priorities

We will work to tailor your experience in ways that align with your skillset and target areas where you're looking to grow. In either case, you'll have opportunities to contribute to projects as a team member, as well as lead projects of your own. Along the way, you'll be participating in and contributing to high priority Agency actions, producing tangible outcomes that advance the protection of human health and the environment and further your professional goals. Throughout your fellowship year, you'll be actively and routinely engaged in:

- Evaluating, composing, and communicating scientific information to co-workers, EPA managers, state and tribal regulators, other federal agency staff, stakeholders, and the general public
- Building and maintaining strategic partnerships with state and federal agency programs
- Creating and applying innovative solutions to threats to water quality that interact with the effects of nutrient pollution, such as climate change, aquatic diseases, and emerging contaminants
- Developing a professional network of peers within and outside of EPA

Portfolio Summary

The National Nutrient Criteria Program's core mission is to provide support to help states, tribes, and territories derive scientifically-defensible regulatory pollution limits, known as numeric nutrient criteria, to protect the nation's waters from the effects of nutrient pollution (primarily an excess of nitrogen and phosphorus). To help develop these criteria, our program relies on a diverse knowledge of science, risk management, and environmental law and policy, as well as collaboration with a wide variety of scientists and experts both inside and outside of government.

This fellowship position provides a great opportunity to connect your scientific knowledge to the regulations and policies that authorize and promote environmental protection under the Clean Water Act:

- Providing regulatory oversight of state water quality standards packages
- Collaborating with state and tribal regulatory programs to develop water quality regulations
- Collaborating with EPA's regulatory programs at headquarters and regional offices
- Collaborating with EPA's science and research programs

Day In the Life

Our work does not reflect the typical day in graduate school. Rather, your background and experience will serve as the foundation of the work you'll do. And while you won't necessarily be practicing hard science (e.g., coding, stats, modeling, etc.), we offer a wide range of opportunities if you choose to do so in areas that fit with your interests.

Daily work will often include attending regular meetings with headquarters and regional staff on active issues, attending briefings of the senior staff and managers, and collaborative work with colleagues on active projects.

You will also be encouraged to enroll in professional training opportunities provided by EPA (e.g., EPA's Clean Water Act course, Watershed Academy, and Water Quality Standards Academy), to pursue outside professional development opportunities, and to attend relevant professional scientific meetings (e.g., ASLO, CERF, SFS).

Expertise Desired

We seek a fellow who likes to laugh while working in a complex and challenging regulatory environment. This position is well-suited for someone who has good time management skills, a good sense of humor, and takes initiative. Strong oral and written communication skills will also be helpful. The ideal fellow will have a strong scientific background, with a working knowledge of freshwater or estuarine ecology, statistics, or modeling. The fellow's existing skills will serve as the base to help her or him create scientifically supported policies.

Office Culture

Our office is composed of talented and high-performing scientists, engineers, and analysts who conduct their work in accordance with the highest scientific standards. Most, if not all, staff members are actively involved in scientific professional societies and participate across a wide range of scientific venues and meetings. The office's senior leadership team promotes collaboration and creativity, emphasizing teamwork, respect for and dedication to one another, and high ethical standards in carrying out its Clean Water Act mission.

Covid-19 Comments

U.S. EPA currently has authorized its employees, interns, and fellows to exercise maximum telework opportunities, allowing its staff to work from an alternative duty station until the Agency's pandemic policies for returning safely to the office are established. The Agency does allow its staff to work at its headquarters location in line with federal policies regarding vaccination status, coronavirus testing requirements, and coronavirus public health and safety guidelines.

Office Location

5233E EPA West

Travel within DC (days per month)

0-3

Travel outside DC (days per month)

0-2

Primary Mentor

Dana Thomas, Branch Chief

Hosted a Previous Fellow

Mentor: Yes, in my current office, Office: Yes

Accepts Foreign Nationals

No

Position ID

E22-74

Position Title

GeoXO User Engagement Fellow

Agency

NOAA; National Environmental Satellite, Data, and Information Service (NESDIS)

Office

NOAA/NESDIS/GeoXO

Office Priorities

The National Environmental Satellite Data and Information Service (NESDIS) mission is to operate the nation's weather satellite capabilities and provide essential weather and environmental information to decision makers, industry, media and to the National Weather Service. Many people will be familiar with our work from viewing satellite loops on news broadcasts and also on weather-dedicated channels. NESDIS produces products vital to monitoring aviation, fisheries, wildfires, drought, harmful algal blooms, hurricanes and the varied impacts of climate change as observed from space and help maintain the United States' role as a world leader in environmental change monitoring. NESDIS operates both polar-orbiting and geostationary satellites. Polar-orbiting satellites provide a plethora of environmental observations every 4 hours at high spatial resolution. Geostationary satellites are located directly above a specific location on the earth at all times and consequently provide observations typically every 5-10 minutes but at coarse spatial resolution compared to polar orbiting satellites. The current geostationary program, the GOES-R Program, is the single largest program in the Department of Commerce with an approximate annual budget of about \$1B, with an estimated lifetime cost of about \$10B.

The next generation of geostationary satellites, the Geostationary Extended Observations (GeoXO) Program, will feature dramatic increases in capability. GeoXO, as currently planned, will have new atmospheric composition, ocean color instruments and hyperspectral sounder that are not in orbit on the current generation of geostationary satellites.

Portfolio Summary

Translating needs and actions of society into science requires strong communication and coordination skills and is an essential part of NOAA NESDIS' User Engagement. Fellow selected for this role will keep abreast of research and best practices linked to land and atmosphere related topics with effective outreach and engagement with stakeholders that apply land and atmospheric products to applications in emergency operations, fire response and detection, flood response, weather forecasting, transportation delays, and other topics relevant to our daily lives. GeoXO observations will contribute to weather forecast models, drive short-term weather forecasts and severe weather warnings that touch a number of societal issues. GeoXO will also provide advanced detection and monitoring of environmental hazards like wildfires, smoke, dust, volcanic ash, drought, and flooding. Fellows will articulate how products are used and more importantly, quantify why they are valuable. The Fellow will work with the NESDIS User Engagement Lead Scientist to bridge the disciplines of sociology, economics and physical or

environmental science to evaluate socio-economic impacts of GOES-R and NOAA's future Geostationary Extended Observations (GeoXO) satellite data products.

The GeoXO satellite system is the ground-breaking mission that will advance Earth observations from geostationary orbit. GeoXO will supply vital information to address major environmental challenges of the future in support of U.S. weather, ocean, and climate operations. Fellows will advise the GeoXO Mission on the ocean community needs, use of products and engage with subject matter experts (NOAA Pathfinders) to better understand how the future use of GeoXO products will bring value to the specific areas of ocean communities. The NOAA Pathfinders are a front line of sophisticated users and the early adopters of NOAA satellite information. NOAA Pathfinders for GeoXO have the key role of connecting with the concept behind a product, adopting that product, and finally validating the use of said product(s) for the broader community of beneficiaries.

Fellows will support the development of strong and healthy relationships with user groups in government, academia, commercial, non profit and international communities. Documenting and quantifying the stories of the GeoXO Pathfinder community is imperative to comply with the Foundations for Evidence-Based Policymaking Act of 2018 ("Evidence Act") which mandates that federal agencies use data and evidence to drive resource allocation decisions. The Fellow will work with senior leadership including scientists, subject matter experts, and a broad range of issues such as natural and cultural resource protection, transportation safety, environmental technology, urban air quality, insurance, and environmental strategic communication, to name a few. The Fellow would also serve as a liaison for the Senior Policy Analyst in the Office of Systems Architecture and Advance Planning (OSAAP) on any number of topics with the NASA, Congress, EPA, NOAA, and other Federal agencies.

GeoXO needs to show the return on investment that NOAA is making in collecting geostationary satellite observations and serving value-added and analysis-ready data products used to inform society. The fellow will first learn about the user engagement framework at NESDIS and engage with land, ecosystems and atmosphere data users to identify real world stakeholders of interest. Through this process the fellow will help build up the potential Pathfinder community of practice for GeoXO. Fellows will then identify area of interest within the land, ecosystems and atmosphere community (for example, wildfire detection, smoke and air quality warnings, hurricane evacuation, lightning and fire ignition, storm intensification and flight cancellations, etc). The fellow will lead a project focused on quantifying the value of land, ecosystems and atmospheric products in their areas of interest. The fellow will be serve as the GeoXO steward for land, ecosystems and atmosphere Pathfinders and work with the Senior Policy Analyst in OSAAP to form studies that can help quantify the value of satellite data related to their chosen topic. Outcomes will be shared though the NOAA Pathfinder website and the GeoXO user engagement webpage. Stories will serve as the mission outreach campaign as well as a source of use cases for economic assessments. The fellow will have the opportunity to designed and executed the web presence for the Pathfinder stories. One peer-reviewed co-authored publication will be encouraged for the select study.

Day In the Life

A typical day in with the GeoXO staff would likely consist of a series of meetings and knowledge mapping exercises with internal and external stakeholders. Meetings are expected to be held with very senior staff to deal with high-level matters as well as doing deep-dives into details in other calls. As many of our stakeholders are located outside of the Washington DC metro area we communicate using

Google Hangouts and Teams. Everyday is unique and dedicated to mapping the evolving knowledge of society to the future products and applications of GeoXO.

When working with the GeoXO Program the Knauss Fellow as a User Engagement Lead will work with the Geostationary Satellite Senior Scientist, Dr. Andrew Heidinger, Senior Policy Advisor, Dr. Vanessa Escobar and will also be working, but less frequently, with Dr. Maurice McHugh, GOES-R Future Capabilities Lead. We are a very friendly and personable group of people who are extremely supportive of early career professionals and have a strong record of mentorship and enabling early career professionals work on interesting and yet important projects. One former intern, for example, wrote the GOES-R beginners guide which is hosted on Amazon and Google Cloud in their GOES-R landing pages. This guide is now published in French, Spanish and Portuguese. Another intern-led project demonstrated the use of video-streaming technology to stream GOES-R data using very little communication capacity. This technology may be an example of how future satellite missions distribute data to users. In short we love working with early career professionals and give them interesting, meaning work.

Expertise Desired

- Strong communication skills and interpersonal skills
- A strong desire to learn about and work at the intersection of science and policy; presenting new and creative ways of communicating relevance of science in society.
- Strong writing and editing skills to revise scientific information into clear, non-technical text for public communication and web presence.
- Ability to work in a team environment as well as independently. Fellows will practice give-and-take as needed with workloads and assignments
- An strong interest in issues that cut across the fields of land use, land change, ecosystems, climate research, and weather and air chemistry research
- Strong organization skills-fellows will work on real world use cases that cut across synergistic issues simultaneously

Office Culture

There is an excellent culture in the workplace with everyone being mutually supportive, being transparent in our work and we are determined to share information widely. All staff from the Program Director down are expected to be busy but not too an extreme, we love seeing staff look for additional roles and responsibilities and growing professionally and personally. In the pre-covid “normal” the vast majority of our team worked together at NASA Goddard Spaceflight Center in a warm and collegial environment, but since early 2020 we have all worked remotely. In the near future we expect to return to Goddard a day or two each week, and also to see a return of off-site social events – which were a regular and very welcome feature of our pre-covid “normal”.

We encourage staff to have their cameras on during calls and look presentable, but understanding that this may not be possible at all times for many good reasons. Calls can occupy as many as four or five hours per day, and while this may sound daunting we do make sure to have breaks between calls, and we are also very determined to have fun on calls, while remaining productive. There are very few calls in which we don’t have a good laugh over something.

Covid-19 Comments

95% of our work is done between the hours of 9.00am and 4.00pm, with few calls outside of those hours. Most people typically work from about 8.00am to about 5.00pm with a break for lunch.

Office Location

NASA Goddard Spaceflight

Travel within DC (days per month)

Travel within the DC metro area depends on when we get back to Goddard and for how many days per week. Pre-covid this could have been as many as 2 to 3 days per week at certain times.

Travel outside DC (days per month)

We anticipate that the Knauss Fellow will travel to participate in the official events prior to the launch of GOES-T from NASA Kennedy Space Flight Center at Cape Canaveral, FL, which is currently scheduled for February 16th 2022. We also anticipate par

Primary Mentor

Dr. Vanessa Escobar, NESDIS User Engagement Lead

Hosted a Previous Fellow

Mentor: No, Office: Unknown

Accepts Foreign Nationals

No

Position ID

E22-75

Position Title

GeoXO User Engagement Fellow - Marine Focus

Agency

NOAA; National Environmental Satellite, Data, and Information Service (NESDIS)

Office

NOAA/NESDIS/GeoXO

Office Priorities

The National Environmental Satellite Data and Information Service (NESDIS) mission is to operate the nation's weather satellite capabilities and provide essential weather and environmental information to decision makers, industry, media and to the National Weather Service. Many people will be familiar with our work from viewing satellite loops on news broadcasts and also on weather-dedicated channels. NESDIS produces products vital to monitoring aviation, fisheries, wildfires, drought, harmful algal blooms, hurricanes and the varied impacts of climate change as observed from space and help maintain the United States' role as a world leader in environmental change monitoring. NESDIS operates both polar-orbiting and geostationary satellites. Polar-orbiting satellites provide a plethora of environmental observations every 4 hours at high spatial resolution. Geostationary satellites are located directly above a specific location on the earth at all times and consequently provide data typically every 10 minutes but at coarser spatial resolution compared to a polar orbiting satellite. The current geostationary program, the GOES-R Program, is the single largest program in the Department of Commerce with an estimated annual budget of about \$1B, with an approximate lifetime cost of about \$10B.

The next generation of geostationary satellites, the Geostationary Extended Observations (GeoXO) Program, will feature dramatic increases in capability. GeoXO, as currently planned, will have new atmospheric composition, ocean color instruments and hyperspectral sounder that are not in orbit on the current generation of geostationary satellites.

Portfolio Summary

Translating needs and actions of society into science requires strong communication and coordination skills and is an essential part of NOAA NESDIS' User Engagement. The Fellow selected for this role will keep abreast of research and best practices linked to ocean and coastal topics with effective outreach and engagement of ocean communities. Fellow will work with the NESDIS User Engagement Lead Scientist to bridge the disciplines of sociology, economics and physical or environmental science to evaluate socio-economic impacts of GOES-R and NOAA's future Geostationary Extended Observations (GeoXO) satellite data products. The GeoXO satellite system is the ground-breaking mission that will advance Earth observations from geostationary orbit. GeoXO will supply vital information to address major environmental challenges of the future in support of U.S. weather, ocean, and climate operations. A GeoXO ocean color imager will provide observations of ocean biology, chemistry, and ecology to assess ocean productivity, ecosystem change, coast/inland water quality, and hazards like harmful algal blooms.

Fellows will advise the GeoXO Mission on the ocean community needs, use of products and engage with subject matter experts (NOAA Pathfinders) to better understand how the future use of GeoXO products will bring value to the specific areas of ocean communities. The NOAA Pathfinders are a front line of sophisticated users and the early adopters of NOAA satellite information. NOAA Pathfinders for GeoXO have the key role of connecting with the concept behind a product, adopting that product, and finally validating the use of said product(s) for the broader community of beneficiaries.

Fellows will support the development of strong and healthy relationships with ocean user groups in government, academia, commercial, non profit and international communities. Documenting and quantifying the stories of the GeoXO Pathfinder community is imperative to comply with the Foundations for Evidence-Based Policymaking Act of 2018 (“Evidence Act”) which mandates that federal agencies use data and evidence to drive resource allocation decisions. GeoXO needs to show the return on investment that NOAA is making in collecting geostationary satellite observations and serving value-added and analysis-ready data products used to inform society. The fellow will first learn about the user engagement framework at NESDIS and engage with ocean community stakeholders, building up the potential Pathfinders for GeoXO. The fellow will then identify area of interest within the ocean community (for example, fish migration, coastal tourisms, protected species, navigation safety, water quality, etc.) and lead a project focused on quantifying the value of ocean color products in their areas of interest. The fellow will be serve as the GeoXO steward for ocean Pathfinders and work with the Senior Policy Analyst in the Office of Systems Architecture and Advance Planning (OSAAP) to form studies that can help quantify the value of satellite data related to their chosen topic. Outcomes will be shared though the NOAA Pathfinder website and the GeoXO user engagement webpage. Stories will serve as the mission outreach campaign as well as a source of use cases for economic assessments. The fellow will have the opportunity to designed and executed the web presence for the Pathfinder stories. One peer-reviewed co-authored publication will be encouraged for the select study.

Day In the Life

A typical day in with the GeoXO staff would likely consist of a series of meetings and knowledge mapping exercises with internal and external stakeholders. Meetings are expected to be held with very senior staff to deal with high-level matters as well as doing deep-dives into details in other calls. As many of our stakeholders are located outside of the Washington DC metro area we communicate using Google Hangouts and Teams. Everyday is unique and dedicated to mapping the evolving knowledge of society to the future products and applications of GeoXO.

When working with the GeoXO Program the Knauss Fellow as a User Engagement Lead will work with the Geostationary Senior Scientist, Dr. Andrew Heidinger, NOAA NESDIS Senior Policy Advisor/User Engagement, Dr. Vanessa Escobar and will also be working, but less frequently, with Dr. Maurice McHugh, GOES-R Future Capabilities Lead. We are a very friendly and personable group of people who are extremely supportive of early career professionals and have a strong record of mentorship and enabling early career professionals work on interesting and yet important projects. One former intern, for example, wrote the GOES-R beginners guide which is hosted on Amazon and Google Cloud in their GOES-R landing pages. This guide is now published in French, Spanish and Portuguese. Another intern demonstrated the use of video-streaming technology to stream GOES-R data using very little communication capacity. This technology may be an example of how future satellite missions distribute data to users.

Expertise Desired

- Strong communication skills and interpersonal skills
- A strong desire to learn about and work at the intersection of science and policy; presenting new and creative ways of communicating relevance of science in society.
- Strong writing and editing skills to revise scientific information into clear, non-technical text for public communication and web presence.
- Ability to work in a team environment as well as independently. Fellows will practice give-and-take as needed with workloads and assignments
- An strong interest in issues that cut across the fields of ocean, coastal, and Great Lakes ecosystems, climate research, and weather and air chemistry research
- Strong organization skills-fellows will work on real world use cases that cut across synergistic issues simultaneously

Office Culture

There is an excellent culture in the workplace with everyone being mutually supportive, being transparent in our work and we are determined to share information widely. All staff from the Program Director down are expected to be busy but not too an extreme, we love seeing staff look for additional roles and responsibilities and growing professionally and personally. In the pre-covid “normal” the vast majority of our team worked together at NASA Goddard Spaceflight Center in a warm and collegial environment, but since early 2020 we have all worked remotely. In the near future we expect to return to Goddard a day or two each week, and also to see a return of off-site social events – which were a regular and very welcome feature of our pre-covid “normal”.

While we encourage staff to have their cameras on during calls and look presentable, but understanding that this may not be possible at all times for many good reasons. Even though calls can occupy as many as four or five hours per day, and while this may sound daunting we do make sure to have breaks between calls, and we are also very determined to have fun on calls, while remaining productive. There are very few calls in which we don’t have a good laugh over something.

Covid-19 Comments

95% of our work is done between the hours of 9.00am and 4.00pm, with few calls outside of those hours. Most people typically work from about 8.00am to about 5.00pm with a break for lunch.

Office Location

NASA Goddard Spaceflight

Travel within DC (days per month)

Travel within the DC metro area depends on when we get back to Goddard and for how many days per week. Pre-covid this could have been as many as 2 to 3 days per week at certain times.

Travel outside DC (days per month)

We anticipate that the Knauss Fellow will travel to participate in the official events prior to the launch of GOES-T from NASA Kennedy Space Flight Center at Cape Canaveral, FL, which is currently scheduled for February 16th 2022. We also anticipate par

Primary Mentor

Dr. Vanessa Escobar, NESDIS User Engagement Lead

Hosted a Previous Fellow

Mentor: No, Office: Unknown

Accepts Foreign Nationals

No

Position ID

E22-76

Position Title

Great Lakes Coastal Program Specialist

Agency

U.S. Geological Survey (USGS)

Office

Midcontinent Region Office

Office Priorities

The USGS Coastal and Marine Hazards and Resources Program scientists and staff study coastal and ocean resources and processes from shorelines and estuaries to the offshore areas of the oceans and the Great Lakes. Coastal change poses substantial risks to coastal communities across the nation. Powerful storms generate surge, waves, and currents that can move large amounts of sediment; destroy roads, buildings, and other critical infrastructure; and alter natural habitats. The USGS performs a range of studies that document, assess, and model coastal change, and vulnerability. These studies include historical shoreline change, and the geologic structure and history of coastal regions, sediment supply and transport, sea-level rise and lake-level change, and how extreme storm events affect frequency, magnitude, and impacts of coastal change.

Portfolio Summary

The USGS Coastal and Marine Hazards and Resources Program (CMHRP) is the primary federal marine geology and physical science research program in the country. The Program's scientists and staff study coastal and ocean resources and processes from shorelines and estuaries to the continental shelf and deep sea, including all the major ocean basins and the Great Lakes.

A major component of this position will be to communicate and collaborate with leadership and staff from multiple federal Agencies to support coastal priorities under the Great Lakes Restoration Initiative (GLRI). Outcomes of these collaborations could include the implementation of multi-Agency coastal projects funded by the GLRI to support stakeholder needs and priorities. Typical agency partners for coastal topics include NOAA, USACE, and USEPA. Typical stakeholders include, but are not limited to, State coastal programs and the Coastal States Organization.

As part of the CMHRP and GLRI efforts within USGS and DOI, the Fellow would enhance and synergize federal coastal efforts in the Great Lakes. This would include the following:

- Aid in the development and management of the Great Lakes coastal science and stakeholder engagement portfolio focused on developing and executing a strategy for a body of research to evaluate and minimize impacts of coastal hazards on communities and other Great Lakes users
- Identifying possible synergies between USGS coastal science expertise and other Agency program needs and priorities, including, but not limited to, federal Agency efforts under the GLRI and state coastal program efforts mitigate coastal hazards.
- Developing materials to communicate the Program's mission and activities in the Great Lakes to internal and external stakeholders

- Assisting the program in meeting other needs of internal and external stakeholders as they arise
- Other duties as required

Day In the Life

Fellows will be working across a range of groups and levels, from small internal teams, across offices within USGS, to coordinate and identify partnership across a suite of government agencies. Day-to-day duties could vary greatly but will likely include participating in team goal planning, receiving updates on funded USGS and GLRI research and projects, helping to plan for future efforts focusing on Great Lakes coastal areas.

Expertise Desired

- Strong oral and written communication skills
- Strong organizational skills
- Ability to communicate technical and scientific material to a variety of audiences concisely, both orally
- and in writing
- Ability to work in a team setting
- Familiarity with science, policy, and/or management related to Great Lakes coastal issues is a plus

Office Culture

USGS establishes itself as a leader in environmental sciences. Career advancement is based on creativity and productivity. USGS values inclusion, equity, and employee engagement. USGS employees are dedicated professionals and great teammates and the leadership team is highly skilled and supportive.

Covid-19 Comments

Staff are currently teleworking 100% of the time. This position would be open for 100% telework as necessary. Attendance at specific meeting, workshops, conferences, etc... would be expected once Covid-19 restrictions allow.

Office Location

Specific location TBD based on Covid-19 restrictions and other considerations

Travel within DC (days per month)

Likely less than 3 days per month for interagency meetings and other events

Travel outside DC (days per month)

Likely less than 5 days per month, but depends on activities and meetings

Primary Mentor

Jon Hortness, Great Lakes Program Coordinator

Hosted a Previous Fellow

Mentor: No, Office: No

Accepts Foreign Nationals

No

Position ID

E22-77

Position Title

Water Science and Practice Fellow

Agency

U.S. Army Corps of Engineers (USACE)

Office

Engineering Research and Development Center, Environmental Laboratory

Office Priorities

The mission of the Environmental Laboratory is to provide solutions to tomorrow's environmental challenges. The fellow will support this mission by contributing to research that seeks to better anticipate and manage dynamic, multidimensional threats in coastal, estuary, and freshwater systems. The fellow will lead an effort to translate scientific research into actionable, decision-relevant, solution-oriented tools and guidelines.

Portfolio Summary

The fellow will support cutting edge research that seeks to improve our understanding and management of dynamic, multi-dimensional threats in coastal, estuary, and freshwater systems. In particular, the evaluation and management of flood, drought, water quality, and environmental hazards that drive compound events in managed coastal and estuary water resource systems. The fellow's primary responsibility will be to lead efforts to translate models, data, peer-reviewed journal articles, and other research program outputs into actionable tools and guidelines in the form of policy memorandums, presentations, technical notes, and reports. The fellow will also contribute to the overall management of the research program and may play an important role in one or two specific water resources research projects.

Day In the Life

The participant will work closely with a remote team of approximately 10 - 15 individuals, including government employees, academics from leading universities, and other trainees (i.e. students and post-doctoral fellows) spread across at least 6 time zones. The day-to-day experience is likely to include a couple of hours of big team meetings, small group video conferences, or one-on-one calls with teammates. Some of which the fellow will organize on an as-needed basis. The rest of the day will usually consist of email correspondence, and focused work time spent working on medium to long-term deliverables. Occasionally the fellow may be given short-term, high-priority deliverables with limited notice or asked to support collaborations with overlapping teams of a similar size working on other projects. The fellow may also cultivate some of their own work, outside the main group.

Expertise Desired

Masters degree or higher (Ph.D. preferred) in Engineering, Hydrology, Earth and Physical Sciences, Public Policy, or a related field. The fellow should also be comfortable with one or more scientific computing

languages. We are looking for a self-starter who can work independently on medium to long-term deliverables with general direction and little direct supervision. The successful candidate will be naturally collaborative, and able to form positive relationships with teammates and colleagues in a virtual working environment.

Office Culture

Individuals in our group tend to have diverse interests, projects, and pursuits (both personal and professional). We generally approach our work with independence, curiosity, creativity, and a strong self-starting spirit. We are natural collaborators and encouraging teammates. Within our group, we lack any formal hierarchical structure. What holds us together is a desire to support each other's personal, intellectual and professional achievement and growth. Individuals that thrive in our group are generally positive people, who are not afraid to seek out help but also have an ability to work independently under general guidelines.

Covid-19 Comments

This position is eligible to be a remote, telework position with occasional travel to collaborate with colleagues in DC or throughout the country, office space also exists at the Engineering Research and Development Center Geospatial Research Laboratory in Alexandria, VA

Office Location

specific location TBD based on Covid-19 restrictions and other considerations

Travel within DC (days per month)

5 or fewer

Travel outside DC (days per month)

5 or fewer

Primary Mentor

John Kucharski, Senior Researcher and Economist

Hosted a Previous Fellow

Mentor: Unknown, Office: No

Accepts Foreign Nationals

No