

2020 Executive Host Positions

Position ID	Name of Federal Agency	Position Title	Foreign National
E20-01	NOAA NOS	Ocean and Coastal Policy Analyst	Yes
E20-02	U.S. FWS	Coastal and Marine Resource Specialist	No
E20-03	NOAA NOWS	NOAA Coral Reef Conservation Fellow	Maybe
E20-04	NOAA HQ	Congressional Affairs Fellow	Yes
E20-05	NOAA HQ	Policy Analyst	No
E20-06	NOAA OAR	Ocean Exploration Fellow	No
E20-07	NOAA HQ	International Affairs Fellow	No
E20-08	Marine Mammal Commission	Science, Policy, and Communications Fellow	Yes
E20-09	U.S. Dept. of Transportation	Policy Advisor to the Executive Director	No
E20-10	U.S. EPA	Coastal Management Fellow	Maybe
E20-11	NOAA NMFS	Fishery Management Specialist	No
E20-12	U.S. EPA	EPA National Nutrient Criteria Program Fellow	Yes
E20-13	NOAA OAR	International Activities Fellow	No
E20-14	NOAA NOS	Special Assistant to the Senior Advisor for Coastal Inundation and Resilience	No
E20-15	NOAA NMFS	International Policy Fellow	No
E20-16	NOAA NMFS	Electronic Technologies Coordinator	Yes
E20-17	NOAA NMFS	NOAA Fisheries Habitat Science Specialist	Yes
E20-18	NOAA NMFS	International Fisheries Science Specialist	No
E20-19	NOAA NOS	Coastal Policy Analyst	Yes
E20-20	U.S. Navy	Policy Liaison	No
E20-21	NOAA OAR	UN Decade Policy Assistant & Assistant to the Chief of Staff	No
E20-22	U.S. Navy	Interagency & International Policy Liaison	No
E20-23	U.S. FWS	Special Assistant to the Deputy Assistant Director for Ecological Services	Yes
E20-24	NOAA OAR	NIHHIS Communications and Outreach Specialist	Yes
E20-25	U.S. ACE	Advisor to the Technical Director, Civil Works R&D	No
E20-26	NOAA NOS	Marine Debris Program Specialist	Maybe
E20-27	NOAA OAR	International and Regional Liaison for Ocean Acidification Communication and Capacity Building	Yes
E20-28	NOAA NOS	Marine Protected Areas Fellow	Yes
E20-29	NOAA OAR	Special Assistant to the Assistant Administrator for Oceanic and Atmospheric Research	No
E20-30	NOAA NESDIS	GEO Blue Planet Policy Fellow	Yes
E20-31	NOAA NMFS	Fishery Management Specialist	Yes
E20-32	U.S. FWS	Congressional and Legislative Affairs Fellow	Yes
E20-33	U.S. ACE	Advisor to the National Lead and Deputy National Lead, Engineering With Nature® (EWN®) Initiative	No
E20-34	NOAA NMFS	Foreign Affairs Fellow	No
E20-35	U.S. FWS	Science and Data Policy Fellow	Yes
E20-36	NOAA OAR	Global Ocean Observing Fellow	Yes
E20-37	NOAA OAR	International Ocean Liaison	Yes
E20-38	NOAA HQ	Science Education and Policy Fellow	Yes

E20-39	NOAA NESDIS	NOAA CoastWatch/OceanWatch/PolarWatch Communications Fellow	Maybe
E20-40	U.S. Dept. of Treasury	Gulf Coast Restoration Policy Fellow	No
E20-41	U.S. Dept. of Energy	Offshore Wind Environmental Research and Siting Specialist	No
E20-42	NOAA OAR	Socio-Economics Specialist	Yes
E20-43	FEMA	HAZARD MITIGATION FELLOW	Yes
E20-44	Executive Office of the President	Ocean Policy Fellow	No
E20-45	FEMA	Building Resilient Infrastructure & Communities (BRIC) Specialist	Yes
E20-46	Bureau of Safety and Environmental Enforcement	Science and Policy Analyst	No
E20-47	NOAA NOS	Environmental Scientist/Scientific Information Analyst	Yes
E20-48	NOAA OAR	Sea Grant Partnership Specialist	Yes
E20-49	NOAA NOS	IOOS Science and Technology Fellow	No
E20-50	NOAA NMFS	Protected Resources Program Fellow	Yes
E20-51	NOAA NMFS	Habitat Restoration Specialist	Maybe
E20-52	NOAA HQ	Data Policy Fellow	Maybe
E20-53	NOAA HQ	NOAA Aquaculture Education Coordinator	Yes
E20-54	NOAA OAR	Congressional Affairs Specialist	Yes
E20-55	NOAA OAR	Chief Innovation Officer	Maybe
E20-56	NOAA NMFS	Habitat Science and Policy Analyst	Maybe
E20-57	NOAA NOS	Policy Analyst and Innovation Specialist	Yes
E20-58	NOAA NESDIS	Strategy and Performance Analyst	No
E20-59	U.S. Dept. of Energy	Marine Science Outreach and Engagement Specialist	No
E20-60	U.S. Dept. of Energy	Interagency Science and Policy Coordinator	No
E20-61	NOAA NWS	Marine Policy Assistant	No
E20-62	U.S. Dept. of State	OMC Knauss Sea Grant Fellow	No

Position ID

E20-01

Position Title

Ocean and Coastal Policy Analyst

Agency

NOAA National Ocean Service Headquarters

Office

Policy and Constituent Affairs Division

Portfolio Summary

Coastal communities, economies and ecosystems are facing unprecedented changes and challenges ranging from more severe storms and sea level rise to oil spills and harmful algal blooms. 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 support our engagements with Congress, the White House, other federal and state agencies, and constituents.

We are seeking a Fellow to support our engagement on the future of 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.

The National Ocean Service (NOS) is one of NOAA's major branches and houses the agency's most diverse 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 and Marine Protected Areas, 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 coastal maritime, navigation, observing, and geographic information systems and services, including producing the nation's nautical charts, serving as the authoritative source for sea levels, tides, and shoreline and home to the Digital Coast and Integrated Ocean Observing System.

The Policy and Constituent Affairs Division within NOS headquarters is a small, highly motivated group that supports NOS leadership and programs respond to congressional, White House and other inquiries and prepare them to testify and speak at a variety of venues. We conduct analysis of legislation and other policy proposals for impact on NOS programs and priorities. We are committed to providing a diverse and meaningful experience that advances NOS missions while accommodating the interests of the Fellow. The Policy and Constituent Affairs Division is led by Glenn Boledovich (a former Sea Grant fellow).

Mandatory Skills: A team player with sound oral and written communications skills, organizational skills, and a good sense of humor.

Expertise Desired

This is an excellent position for Fellows seeking an opportunity to spend a year working in and learning about the policy and political landscape at the Federal level. Good written and oral communication skills are a must and working as part of a team are required and a willingness to take on new challenges is a plus.

Travel within DC (days per month)

4-5 days travelling to meetings and events.

Travel outside DC (days per month)

Major travel is not required, but several opportunities can be expected during the year

Accepts Foreign Nationals

Yes

Position ID

E20-02

Position Title

Coastal and Marine Resource Specialist

Agency

US Fish and Wildlife Service

Office

National Wildlife Refuge System - Branch of Habitat Restoration

Portfolio Summary

The US Fish and Wildlife Service's (USFWS) National Wildlife Refuge System is the largest and most diverse network of lands and waters dedicated to ensuring the long-term future of America's rich fish and wildlife heritage. This position is housed within the National Wildlife Refuge System's Coastal and Marine Program, located at the USFWS Headquarters Office in Falls Church, VA. The Coastal and Marine Program has a broad portfolio which includes a nationwide coastal habitat restoration program, as well as national-level coordination of over 180 coastal and marine national wildlife refuges and the five marine national monuments.

This position offers an excellent opportunity for a Fellow to work with a small, passionate team on matters related to coastal habitat restoration and coastal, Great Lakes, and ocean policy. In addition to establishing a portfolio of regular duties, we will work with you to ensure developmental and field experience within our program's areas of focus.

Specific work assignments may include (dependent on fellow's interest and program priorities):

- Developing a strategic plan for the Program's marine portfolio and contributing to a comprehensive assessment of the Service's list of coastal & marine protected areas
- Documenting Coastal Program habitat conservation achievements in an annual report;
- Developing a report (potentially leading to a conference panel) on Program contribution to biological outcomes;
- Contributing to strategic Program communications and diverse communication materials such as web content, stories for Interior's, FWS, and Refuges' newsletters and social media sites, and developing briefing papers, pamphlets and other materials that enhance the Program's visibility and public awareness;
- Aiding in development of policies and plans for the Coastal Program and Marine National Monuments
- Assisting in facilitating and staffing Program meetings and events;
- Supporting the National Wildlife Refuge System's role in coastal & ocean policy, including compiling research summaries to support Refuge and Monument managers
- Building relationships within Department of the Interior and with other federal agencies, especially NOAA and EPA;
- Attending and representing the Coastal Program on various national working groups and technical committees and coordinating Programmatic positions and responses to assignments;
- Establishing relationships with hunting, sport fishing, marine and coastal organizations; and

- Supporting other aspects of the National Wildlife Refuge System Headquarters office.

Expertise Desired

Successful candidates should have strong analytic and communication skills, organizational skills, be able to work as a team member, and have an interest in ocean, coastal, and Great Lakes topics that include management, sustainable use, coastal restoration, and marine protected area management. GIS skills are preferred, but not required.

Travel within DC (days per month)

2-5

Travel outside DC (days per month)

1-5 times/year

Accepts Foreign Nationals

No

Position ID

E20-03

Position Title

NOAA Coral Reef Conservation Fellow

Agency

NOAA

Office

Coral Reef Conservation Program

Portfolio Summary

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. The 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 CRPs 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, Rear Admiral Timothy Gallaudet, and be a part of the leadership team of the USCRTF steering committee. Task Force meetings will be in Washington, DC and likely the US Virgin Islands in FY20. The USCRTF was established to lead U.S. efforts to preserve and protect coral reef ecosystems. The USCRTF includes leaders of 12 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.

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.

Travel within DC (days per month)

Travel within DC (days per month) infrequent, perhaps 1-2 depending on time of year

Travel outside DC (days per month)

Travel within DC (days per month) infrequent, perhaps 1-2 depending on time of year. Travel for summer CRTF meeting, other travel depending on interest of Fellow.

Accepts Foreign Nationals

I don't know

Position ID

E20-04

Position Title

Congressional Affairs Fellow

Agency

National Oceanic and Atmospheric Administration

Office

Office of Legislative and Intergovernmental Affairs

Portfolio Summary

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 and program offices and Congress.

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 FY21 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
 - Coordinating Congressional engagement for NOAA's Arctic program
 - 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 Ocean Service, Fisheries, or National Weather Service) depending on your interests and OLIA's needs.

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

Travel within DC (days per month)

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

Travel outside DC (days per month)

Infrequent/Variable

Accepts Foreign Nationals

Yes

Position ID

E20-05

Position Title

Policy Analyst

Agency

NOAA

Office

Office of the Assistant Secretary of Commerce for Oceans and Atmosphere/Deputy NOAA Administrator

Portfolio Summary

The Office of the Assistant Secretary of Commerce for Oceans and Atmosphere (ASOA)/Deputy NOAA Administrator, is seeking a Sea Grant fellow to fulfill the position of Policy Analyst. The ASOA provides agency-wide direction with regard to programs within the National Ocean Service, National Marine Fisheries Service, Oceanic and Atmospheric Research, and Office of Marine and Aviation Operations, consistent with Administration priorities. The ASOA leads efforts to further enhance NOAA's contributions to the Nation's Blue Economy, supporting the Department of Commerce and Administration priorities.

The ASOA is leading several cross-cutting initiatives, including the following:

- Expanding use of artificial intelligence throughout NOAA programs.
- Developing genomic tools for fisheries management and other applications to NOAA's mission.
- Creating a central program office to manage and expand use of unmanned systems throughout NOAA.

The fellow would support the ASOA, working with the NOAA Senior Policy Team (Chief of Staff, Deputy Chiefs of Staff, and Senior Policy Advisors). The fellow will have a diverse and flexible portfolio, principally to support furthering NOAA's contribution to the blue economy. The fellow will also be asked to provide support to the Office of the Under Secretary of Commerce for Oceans and Atmosphere/NOAA Administrator, and would coordinate with the NOAA Program Coordination Office, Line Offices, external agencies, partners, and stakeholders, as needed.

In addition to assisting the ASOA with general policy coordination, the fellow may work on draft legislation of interest to the Senior Policy Team. Two topics of interest are coral reef conservation and insurance for commercial fisheries.

The principal location of the fellowship will be in the Washington, D.C. office, with some days in Silver Spring, MD.

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 ASOA and Under Secretary Offices, 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 organization skills; have the ability to plan corporate events like workshops, conferences, and seminars; have some experience with public speaking and effectively communicating complex, sometimes controversial, information to a diverse audiences; attention to detail; and excellent interpersonal skills.

Travel within DC (days per month)

2-5

Travel outside DC (days per month)

Fewer than 3

Accepts Foreign Nationals

No

Position ID

E20-06

Position Title

Ocean Exploration Fellow

Agency

NOAA

Office

Office of Ocean Exploration and Research

Portfolio Summary

The NOAA Office of Ocean Exploration and Research (OER) is the only federal program solely dedicated to exploring our deep ocean, helping to close the prominent gap in our basic understanding of U.S. deep waters and the seafloor and delivering the ocean information needed to strengthen the economy, health, and security of our Nation.

OER advances ocean exploration science through a competitive grants program whose themes address NOAA oceanographic missions, the discovery of maritime cultural heritage, and the innovative use of marine technologies. OER actively engages in a multitude of strategic partnerships with other federal agencies, universities, and private sector companies. OER also conducts systematic ocean exploration with a dedicated vessel of exploration, NOAA Ship Okeanos Explorer. The Okeanos Explorer is especially noted for conducting at-sea expeditions involving shore-side teams of scientists, engineers, and technicians brought together in real-time by means of live, high-definition video streams and online coverage.

OER'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 actively experience ocean exploration thereby expanding awareness of current ocean issues, fostering the next generation of ocean explorers, and engaging the public in ocean exploration activities. A hallmark of OER is that data resulting from all of its ocean exploration activities are made publicly available, in order 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.

OER seeks a Knauss Fellow to support the office's ocean exploration mission. The broad and diverse nature of OER's portfolio will expose the Fellow to a wide range of NOAA and OER partner ocean exploration activities, from assisting with developing science plans for cruises to learning first-hand the complexities associated with operating a major national program from the leadership level. The Fellow will have opportunities to work directly with the OER Director and senior leadership team, and interface with senior leaders from the NOAA Office of Oceanic and Atmospheric Research (OAR), National Marine Fisheries Service (NMFS), National Ocean Service (NOS), as well as interagency (e.g. BOEM, USGS, NASA, US Navy) and non-governmental partners (e.g. Ocean Exploration Trust, Schmidt Ocean Institute, etc.). The Fellow will be asked to provide scientific, technical, and policy advice, lead briefings on a variety of science and administrative topics, and provide expert staff support for the OER Director and senior leadership team for internal and external meetings. 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.

Potential fellow activities and responsibilities could include:

- Supporting an OER team tasked with (a) scoping and implementing improved usability of OER data products, (b) identifying and working with the marine science community to prioritize new technologies in addition to OER exploration capabilities, and (c) developing long-term strategies for meeting the goal of mapping and characterizing all deep U.S. waters.
- Contributing to the OER annual grant review process and planning for out-years.
- Advising and working on teams planning and providing support for OER campaigns including the Atlantic Seafloor Partnership for Integrated Research and Exploration (ASPIRE) campaign and the interagency Expanding Pacific Research and Exploration of Submerged Systems (EXPRESS) campaign.
- Hosting scientists, students, VIPs, and others in the Silver Spring and other Exploration Command Centers.
- Participating in at-sea ocean exploration activities aboard NOAA Ship Okeanos Explorer or partner vessels in person or by means of telepresence.
- Staffing the OER Director on Hill visits and briefings.
- Organizing workshops, town halls, or conference sessions to receive community input related to OER priorities.
- Supporting OER partnership activities (e.g., Marine Biodiversity Observation Network, Extended Continental Shelf Project, Deep Sea Coral Science and Technology Program West Coast Deep Coral Initiative, etc.).

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 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 that are of interest to the Fellow.

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; Excellent written and oral communication, teamwork, interpersonal, analytical, and organizational skills; Ability to translate technical and scientific text into plain language for target audiences; Strong ability to work independently, as well as a member of an interdisciplinary team, and the self-confidence to ask questions and take on new challenges; Knowledge and ability to work with Microsoft Office software (Excel, PowerPoint, Word); 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 not necessary; Experience with GIS and Adobe products (such as Photoshop and InDesign) will be helpful; And a sense of humor, willingness to learn and adventure is a must!

Travel within DC (days per month)

1-2

Travel outside DC (days per month)

2-5

Accepts Foreign Nationals

No

Position ID

E20-07

Position Title

International Affairs Fellow

Agency

NOAA

Office

Office of International Affairs

Portfolio Summary

As a Fellow in NOAA's Office of International Affairs (OIA), you will join a team of dynamic staff providing strategic leadership to NOAA's international work and facilitating its coordination and cooperation with other Federal agencies. General duties will include:

- Contributing to the development of NOAA's international policy positions;
- Gathering, analyzing, and communicating information both from within NOAA and from external sources; and
- Participating in U.S. Government interagency foreign policy discussions and international negotiations.

OIA is involved in numerous bilateral (e.g. China, Canada , Cuba, India, the European Union) and multilateral activities (e.g. United Nations and its subsidiary bodies, the Arctic region, the Asia-Pacific region). The Fellow can expect to participate in a subset of these topics, including taking a lead role on some issues. 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 pulling together relevant information on NOAA's work, contributing insight to policy recommendations, and providing written and oral briefings. OIA is also frequently called upon to support senior NOAA Leadership, such as the NOAA Administrator, in preparation for meetings with foreign counterparts, with which the Fellow will also have the opportunity to engage.

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 staff members in addition to office/agency leadership, and develop new skills in a diverse field. 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 group of colleagues with a good sense of humor!

Travel within DC (days per month)

Several days per month, if not weekly.

Travel outside DC (days per month)

0-7 days including internationally.

Accepts Foreign Nationals

No

Position ID

E20-08

Position Title

Science, Policy, and Communications Fellow

Agency

Marine Mammal Commission

Office

Marine Mammal Commission

Portfolio Summary

The Marine Mammal Commission (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.

We seek a Sea Grant Fellow who is willing to be part of our dynamic team and be given a level of responsibility equivalent to an employee. As a Fellow at the Commission, you will benefit from exposure to a broad range of issues and be given the flexibility to become involved in projects of interest to you. In addition to learning a lot about the challenges facing marine mammals, you will 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. We are able to pay for some of your travel if pertinent to your responsibilities.

A general list of Fellow project ideas is provided below. Final projects and responsibilities will be assigned 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 2020 Commission Annual Meeting. This includes managing logistics of various speakers/panels, preparing summary notes of discussions and following up on action items.
- Serve as lead author of the Commission's quarterly electronic newsletter and assist with developing content for the Commission's twitter account.
- Support Commission's Legislative Affairs Agenda:
- 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 2020 Knauss Legislative Fellows on Capitol Hill.
- Support preparations for the Commissioners' participation in Capitol Hill Oceans Week (CHOW). Schedule Hill briefings and interagency meetings, and provide general support for our participation in CHOW seminars. Establish CHOW schedule, coordinate preparation of background documents and prepare summaries of events.
- Support Commission's Science 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) to foster marine mammal observation data networks.
- Assist with the administration 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.
- Knauss Fellow Special Project:
- 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. Topic could be related to science, policy, or law – or some combination.
- 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 saving 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).

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.

Travel within DC (days per month)

3-5

Travel outside DC (days per month)

1-3

Accepts Foreign Nationals

Yes

Position ID

E20-09

Position Title

Policy Advisor to the Executive Director

Agency

Maritime Administration

Office

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

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) The CMTS is an interdepartmental/interagency maritime policy coordinating committee directed in statute to report on the state of the maritime transportation system, 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, alternative fuels and air emissions, and ocean and coastal management policy, as well as specialized CMTS projects appropriate to the Fellow's expertise and interests. This position provides an unique 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; National Ocean Council) 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. 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.

Expertise Desired

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, to expand your knowledge of government processes, and to lead interagency teams. Working knowledge of Microsoft Office applications including Word, Excel, Power Point and Outlook.

Travel within DC (days per month)

2-5

Travel outside DC (days per month)

Periodic travel throughout the year.

Accepts Foreign Nationals

No

Position ID

E20-10

Position Title

Coastal Management Fellow

Agency

U.S. EPA

This fellowship is unique in that it is a joint fellowship opportunity between the Environmental Protection Agency (EPA) and the Coastal States Organization (CSO). The specific EPA office is the Ocean and Coastal Management Branch.

Office

Office of Wetlands, Oceans and Watersheds

Portfolio Summary

The Knauss Coastal Management Fellow will play a critical coordination role in an ongoing effort to more effectively integrate the work of EPA and the activities of CSO. Specifically, the Fellow will assist program staff in OCMB on activities that are part of its work plan and that would benefit from greater interaction and collaboration with the Coastal Zone Management community. This can include briefing EPA Staff across the Office of Water on CSO activities and connecting EPA resources to members via CSO's platform. The Fellow can expect to participate on CSO Work Groups that organize CSO members around specific issues such as Coastal Hazards and Coastal Nonpoint Source Pollution. The Fellow will 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. Issues or projects for EPA/CSO coordination could include: The National Estuaries Program, Climate Ready Estuaries, coastal wetlands loss, coastal nonpoint source pollution, ocean and coastal acidification, coral reef protection through watershed management, clean marinas, and hazard mitigation planning and resilience. The Fellow will have the flexibility to develop their own program portfolio, based on their own interests.

Expertise Desired

Knowledge and experience in coastal science and coastal management will be helpful. Experience working with diverse groups, including state and local environmental managers 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. Fellows will need to take the lead on their principal projects, however other work will be more collaborative. The office settings of EPA headquarters, and the CSO office are busy, and the Fellow will be exposed to the work and projects of other Staff in both offices.

Travel within DC (days per month)

0-5

Travel outside DC (days per month)

0-5

Accepts Foreign Nationals

I don't know

Position ID

E20-11

Position Title

Fishery Management Specialist

Agency

NOAA

Office

Highly Migratory Species Management Division

Portfolio Summary

The Highly Migratory Species (HMS) Management Division is responsible for the domestic management of Atlantic tuna, 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, attend and/or lead public meetings, and work on their thesis/dissertation would also be available.

In the upcoming year, the HMS Management Division will be working on several actions, including:

- Rules and/or Fishery Management Plan amendments for HMS to implement recent national actions including National Standard 1 and Standardized Bycatch Reporting Methodology;
- Rules and/or Fishery Management Plan amendments for various HMS and HMS issues as a result of negotiations at the International Commission for the Conservation of Atlantic Tunas annual meeting (held in Nov. 2019);
- Various rules and Fishery Management Plan amendments to assist in bluefin tuna management;
- Various shark rulemakings and Fishery Management Plan amendments including establishing the process for quotas;
- A rulemaking designed to collect data from closed areas to improve fisheries management of all HMS;
- A rulemaking aimed at reviewing retention limits for swordfish and sharks including those established for Caribbean based permits;
- Rulemaking resulting from new biological opinion(s) on various HMS fisheries;
- A project looking at ecocast modeling and how it can be used to improve HMS management;
- Addressing recreational fisheries and bycatch issues; and
- Creation of tools to better enable constituents to understand HMS fisheries and management.

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) as well as publication of outreach materials (pamphlets, brochures, apps, webpage and social media content).

Expertise Desired

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

Travel within DC (days per month)

0 to 3, depends on projects

Travel outside DC (days per month)

0 to 3, depends on projects

Accepts Foreign Nationals

No

Position ID

E20-12

Position Title

EPA National Nutrient Criteria Program Fellow

Agency

Environmental Protection Agency

Office

Office of Water, Office of Science and Technology, Ecological and Health Processes Branch - Nutrients Team

Portfolio Summary

So, you just spent a bunch of years of your life in school and want to put your hard earned scientific knowledge to further use to protect water resources? Well, we have the fit for you! 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 policies and regulations that promote environmental protection. We are open to tailoring this experience to your skillset and interests, while providing the ability to build on and refine your skills by working on a variety of projects. You will contribute as a team member, as well as build leadership skills by managing your own project(s). In addition to working on a variety of projects, your portfolio may also include additional opportunities, such as:

- Participating in EPA's Gulf of Mexico Hypoxia Team
- Coordinating with other EPA headquarters and regional offices and labs
- Reviewing and providing input on state water quality standards packages

This will not be your typical day of science in grad school. Your science background is the foundation of the work you'll do, but you won't necessarily be practicing hard science (coding, stats, modeling, etc.), unless that's what you'd like to do! Much of what you'll be doing is:

- Communicating scientific principles to coworkers, EPA managers, states, other federal agencies, stakeholders, and the general public
- Developing science policy with co-regulators
- Building partnerships with state and federal agencies, as well as stakeholders
- Creating innovative solutions to protect our environment

You will also be encouraged to take advantage of 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.

This fellowship experience will provide you excellent opportunities to learn how to apply the best, most up-to-date scientific information to influence and establish environmental policy. While doing this, you will also build a strong network by interacting with a wide array of scientists and policy makers.

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.

Travel within DC (days per month)

0-3

Travel outside DC (days per month)

0-2

Accepts Foreign Nationals

Yes

Position ID

E20-13

Position Title

International Activities Fellow

Agency

National Oceanic & Atmospheric Administration

Office

OAR International Activities Office

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.

Duties of the Fellow will include:

- 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;
- Leading and supporting programmatic matters involving bilateral environmental science and research activities with India and select countries in Europe;
- 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.

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.

Travel within DC (days per month)

1-3

Travel outside DC (days per month)

0-6

Accepts Foreign Nationals

No

Position ID

E20-14

Position Title

Special Assistant to the Senior Advisor for Coastal Inundation and Resilience

Agency

NOAA

Office

National Ocean Service

Portfolio Summary

Being selected for this role will place you at the forefront of the National Ocean Service's leadership in coastal resilience science, strategy, and collaboration across NOAA. The National Ocean Service (NOS) provides data, tools, and services that support coastal economies and their contribution to the national economy. 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 posed by 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 develop and oversee 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.

The NOS front office is a fantastic team to be a part of. As a Special Assistant, you will work closely with the office of the Assistant Administrator, Deputy Assistant Administrator, NOS Policy and Constituent Affairs Division, NOS Communications team, and others. 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.

Through this opportunity, you will gain exposure across the National Ocean Service, other NOAA line offices, US government agencies, private industry, and international partners working on coastal resilience issues.

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. The fellow will also need to be available to support the Senior Advisor on travel (domestic and potentially international).

Travel within DC (days per month)

3-5

Travel outside DC (days per month)

Several trips of 2-5 days through the course of the year

Accepts Foreign Nationals

No

Position ID

E20-15

Position Title

International Policy Fellow

Agency

National Oceanic and Atmospheric Administration

Office

Office of Law Enforcement

Portfolio Summary

The NOAA Office of Law Enforcement (OLE) protects marine wildlife and habitat by enforcing domestic laws and international treaty requirements designed to ensure these global resources are available for future generations. OLE's special agents and enforcement officers ensure compliance with the nation's marine resource laws and take enforcement action when these laws are violated. We ensure a level playing field for honest fishers, defend U.S. economic and public health interests from illegal international and domestic fishing activities, and protect vulnerable marine species in order to ensure these global resources do not disappear.

The NOAA OLE mission includes ensuring that the seafood products sold in American markets, whether domestically caught or imported, are legally harvested and traded. One way this mission is met is by combating illegal, unreported, and unregulated (IUU) fishing and, fishing-related activities, as well as trade in IUU fish and fish products. This requires a multi-faceted approach that includes:

- Engaging in multilateral and bilateral discussions with international partners to create enforceable provisions to combat IUU fishing and develop cooperation and collaboration in detecting, deterring, and interdicting IUU fishing activity and trade.
- Providing technical assistance to global partners, with emphasis on major exporters of seafood to the United States, to assist in developing the fisheries enforcement capacity to detect and interdict IUU fish and fish products before they enter the global market.
- Monitoring imports into the United States, as well as seafood products in global trade.
- Partnering with other federal, state and territorial law enforcement agencies to combat IUU fishing and seafood fraud throughout the United States.
- Educating the public, consumers, and international audiences about the impacts of IUU fishing and fishing-related activities.

NOAA OLE is seeking a Sea Grant Fellow to join our International Fisheries Enforcement Program in support of our mission to combat IUU fishing and the illegal trade in marine wildlife. Assignments will help the Fellow gain an understanding of the range of enforcement issues in NOAA's portfolio and the overall efforts of NOAA domestically and internationally to combat IUU fishing and the trafficking of marine species. The Fellow will gain exposure to other areas of NOAA OLE including work with various international organizations as well as federal, state and territorial fisheries enforcement entities charged with the protection and conservation of marine resources, providing the Fellow with the opportunity to gain unique experiences and to build a diverse domestic and international network.

The International Policy Fellow will have a varied and flexible portfolio, which may include tasks such as:

- Working closely with NOAA law enforcement personnel on a range of fisheries enforcement issues including bilateral and multilateral agreements, international cooperation, technical assistance to developing nations, and domestic regulations that implement international fisheries obligations related to combating IUU fishing;
- Serving as a liaison with other NOAA offices, offering the Fellow exposure to a wide range of NOAA international fisheries issues;
- Assisting to develop policies to implement U.S. fisheries enforcement obligations under various international laws and treaties;
- Preparing background papers for international meetings and training materials for international technical assistance projects;
- Coordinating, planning and participating in fisheries enforcement capacity building projects such as training workshops and joint operations in developing countries; and
- Helping coordinate reports and analysis of fisheries-related intelligence to identify IUU fishing trends and help coordinate enforcement responses.

This position is located in Silver Spring, MD, in the NOAA OLE headquarters office and the Fellow will report to the Assistant Director for Enforcement Operations and International Programs. Our headquarters staff includes career staff, contractors and sworn law enforcement officers, all of whom are dedicated to protecting and conserving the resources of our oceans. NOAA OLE expects that the Fellowship may include domestic and/or international travel.

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 beneficial but not required.
- Knowledge of, or experience with, international fisheries issues also beneficial but not required.

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

Accepts Foreign Nationals

No

Position ID

E20-16

Position Title

Electronic Technologies Coordinator

Agency

NOAA Fisheries

Office

Office of Science & Technology

Portfolio Summary

The Office of Science and Technology strives to improve the accuracy, timeliness, and integration of fisheries catch data, while managing the costs of our programs. Emerging technologies such as electronic monitoring, which incorporates video cameras, sensors, and electronic reporting into a vessel's fishing operations, can deliver the accurate, verifiable, and timely information critical for science and management. However, efforts to implement electronic monitoring and reporting require close coordination with the Office of Sustainable Fisheries at headquarters, our five Regional Offices, and six Sciences Centers. Additionally, we work with the eight Fishery Management Councils, non-governmental organizations, fishing industry groups, and other partners to ensure new technologies are available and can meet the management and scientific needs of our stakeholders. Our internal and external coordination efforts require an understanding of the technical, policy, and communication challenges across diverse fisheries, each with unique requirements and needs, while ensuring we are utilizing limited resources appropriately and effectively.

The Fellowship position sits within the National Observer Program in the Office of Science and Technology, but the Fellow will have an opportunity to interact with NOAA Fisheries leadership and have responsibilities working across several teams and line offices working towards modernizing our Nation's fisheries-dependent data collection programs. Based on the Fellow's skills, interests, and fellowship objectives, he/she can choose to lead one or more of the projects listed below. We will expect that a final report, white paper, or other keystone product will be completed based upon the project(s) he/she chooses to lead.

- Develop policies that will help shape the development of electronic monitoring programs and data management, which will require coordination with the Office of Sustainable Fisheries, our national electronic technologies working groups, and other Agency programs.
- Assist with leading our national electronic technologies working group by developing webinars, budget planning, and coordinating our internal and external communications on electronic monitoring and reporting. This will include opportunities to brief NOAA Fisheries leadership on regional successes and challenges of our programs.
- Develop communications products, including web, visualization tools, and other forms media in concert with our various Regional and National-level communications teams within NOAA that support our regional electronic monitoring and reporting programs.
- Lead our effort to build a national fish image library to expand and implement automated image processing and machine learning tools for our electronic monitoring programs. This will entail

working with technical staff on how we standardize a single library and also include budget and policy planning for storing large volumes of imagery and video.

- Develop data collection priorities for protected species monitoring (e.g., marine mammals) with the Office of Protected Resources and the Office of Science and Technology, and examine if and how EM can meet those needs.
- (6) Examine the costs and data trade-offs of data collected from human observers and electronic monitoring systems, working with regional programs in concert with the National Observer Program.
- Assess the enforcement, management, science and other applications of vessel monitoring system data, working with the Office of Law Enforcement. This work may include market research into the various types of technology that collect, store, and transmit positional data.

The Fellow will have at least 6-8 travel opportunities relevant to electronic monitoring, electronic reporting, and data integration efforts, including national working group meetings, conferences, and Fishery Management Council meetings. Most travel will be within the United States, there may be some International travel.

Expertise Desired

The Fellow needs to have strong interpersonal communication skills, be able to learn quickly, and work on a diverse range of programs and fisheries. He/she must be able to work in a team environment and on working groups, as well as work independently. The position requires an appreciation for many points of view and concerns, such as the perspectives between commercial and recreational fisheries, non-governmental organizations and researchers, and the responsibilities and goals of local, State, and Federal agencies. He/she must be able to synthesize very technical information, grasp the “big picture”, and understand how decisions and actions in one Region may affect others.

Travel within DC (days per month)

1-2 days

Travel outside DC (days per month)

5-7 days

Accepts Foreign Nationals

Yes

Position ID

E20-17

Position Title

NOAA Fisheries Habitat Science Specialist

Agency

NOAA Fisheries

Office

Office of Science and Technology

Portfolio Summary

The NOAA Fisheries Office of Science and Technology (OST) develops the scientific information and tools required to support the resource conservation and management programs. OST works to guard the integrity of NOAA Fisheries scientific activity and strives to maintain and improve its quality and credibility. OST is the primary HQ office that interfaces the Regional Science Centers, NOAA Fisheries program and regional offices, as well as other federal agencies.

Position Overview: This position is located in the Office of Science and Technology Marine Ecosystems Division. The portfolio offers a unique opportunity to collaborate with agency scientists and managers with an opportunity to participate in other ancillary projects, depending on the Fellow's skills, interests, and fellowship objectives. This opportunity will provide broad exposure to NOAA Fisheries' science and management needs, and allow a Fellow to gain experience in NOAA Fisheries HQ, including interactions with field personnel as well as gain experience in science policy, habitat conservation and program development, and NOAA-wide coordination of habitat conservation activities.

Primary Project: Habitat Science in support of Fisheries Management

The science to support habitat conservation provides essential information to resource managers with respect to the status and conditions of marine habitats that marine species depend upon. The project's aim is to improve the availability of ecological information for federally managed species and habitats through habitat assessments, and to help set NOAA Fisheries' strategy for pursuing habitat science.

Habitat assessment is the process and the products associated with consolidating, analyzing, and reporting the best available information on habitat characteristics relative to the population dynamics of fishery species and other living marine resources.

The Knauss fellow will provide technical and coordination to ensure improved coordination among NOAA Fisheries science centers, regional offices, and the Fishery Management Councils. The fellow will work closely with the OHC and Regional Habitat science team to advance the 2018 Habitat Assessment Improvement Plan (HAIP) and to align efforts in the context of the ecosystem-based fishery management. The Fellow will participate in several activities led by the OST supporting and expanding the habitat science program, which may include:

- Assist in the implementation of the NOAA Fisheries Habitat Assessment Improvement Plan (https://spo.nmfs.noaa.gov/sites/default/files/TMSPO181_0.pdf). This plan provides recommendations that advance our ability to conduct ecosystem-based management by reducing habitat-related uncertainty in science that supports fisheries management. These advances also improve our ability to identify Essential Fish Habitat and Habitat Areas of

Particular Concern, and contribute to the developing concept of Integrated Ecosystem Assessments, a new approach to ecosystem-based management. The fellow will have an opportunity to join the team putting the Plan into action.

- Assist OST, OHC and Council Coordination Committee Habitat Working Group (CCC HWG) efforts to strengthen and target habitat science. Assist in the implementation of recommendations from the 2019 CCC HWG Essential Fish Habitat Workshop and the National Habitat Leadership Team (NHLT)
- Assist and participate in the National Fish Habitat Partnership regional assessments and meetings.
- Assist in the coordination of internal expertise across management and science topics, and guides the implementation of the NOAA Fisheries HAIP.
- Assist in the coordination of the Habitat Science Team to identify and address issues that are cross-regional and/or that have national implications while promoting the importance of habitat science and assessments that foster sustainable ecosystems and fisheries.

Relevant Links:

<https://www.fisheries.noaa.gov/topic/habitat-conservation#science>

<https://noaa.maps.arcgis.com/apps/Cascade/index.html?appid=a00d8627a5f94d53b7bf288df1b22e3c>

Expertise Desired

The Fellow should have the ability to think and work across disciplines and issues. Excellent written and verbal communication and creative problem-solving skills are also valued. The Fellow must be a self-starter with strong interpersonal and organizational abilities and be comfortable interacting with high-level NOAA officials, other federal and state partners as well as balance several tasks and projects. This position does not require any specific expertise, however it will be beneficial for the Fellow to be familiar with the following: marine ecosystem functions, fisheries and habitat management, marine conservation, natural resource management and/or other relevant/equivalent field. Research or applied experience in issues related to fisheries, marine habitat, natural resource science, or environmental policy are desirable.

The Fellow can expect to gain enhanced writing, coordination, planning and problem solving skills, and exposure to cutting-edge marine and fisheries science issues.

Travel within DC (days per month)

1-3 days

Travel outside DC (days per month)

1-3 days

Accepts Foreign Nationals

Yes

Position ID

E20-18

Position Title

International Fisheries Science Specialist

Agency

NOAA Fisheries

Office

Office of Science and Technology

Portfolio Summary

NOAA Fisheries has a diverse science enterprise and relies on significant international collaborations to keep abreast of cutting-edge innovations and to exchange experience and knowledge with internationally recognized experts. NOAA Fisheries scientists are recognized experts in a wide range of disciplines and participate in various international scientific forums, Regional Fishery Management Organizations (RFMOs), and bilateral agreements with foreign partners.

The primary goal of the International Science program is to ensure that NOAA Fisheries benefits from cutting-edge science from around the world and that NOAA's expertise and innovative scientific approaches to fisheries management are applied in international forums. NOAA Fisheries seeks to: a) maintain leadership and expertise in fisheries science to meet international and domestic obligations; b) strengthen relationships with other countries in order to jointly collect information and assess the status of shared stocks; and c) support capacity building/technical assistance to improve the management of living marine resources in developing countries.

NOAA Fisheries has six Science Centers located throughout the country which provide the science and research that supports the International Science program. The Office of Science & Technology (ST) ensures that the Agency's international science activities are coordinated with the Science Centers, the NMFS Office of International Affairs and Seafood Inspection, and NOAA's Office of International Affairs. ST also works with the Department of State, other U.S. agencies, and international organizations to support and promote the application of strong fisheries science internationally.

Position Overview: The International Fisheries Science Specialist will provide support to the International Fisheries Science Coordinator. General duties can include:

- Coordinate international science activities within NMFS, between NMFS and NOAA, the U.S. Department of State, and with foreign contacts;
- Liaise with International Affairs Offices across NOAA to address issues of mutual concern and to receive and coordinate requests for information and assistance;
- Support ST's active bilateral partnerships with Canada, China, India, Japan, Mexico, and Norway;
- Prepare background and policy papers for international meetings or issues; maintain and disseminate information regarding international science activities; schedule, develop agendas, and prepare background materials and report on meetings of Headquarters and field Directors and staff to discuss international science policy issues. Deliverables will include a variety of international communication and reporting products (e.g., memoranda and meeting reports);

briefing books and background papers; policy papers; and talking points for use by negotiators in various international and domestic meetings.

- It is anticipated that the fellow will be assigned several core activities over the course of the fellowship, including:
 - Assist in the implementation of the NMFS International Fisheries Science Strategy to ensure current agency priorities are addressed.
 - Support for the 2020 NOAA-IMR (Norway) Science Bilateral Meeting in Seattle, WA;
 - Support for the 2020 World Fisheries Congress in Adelaide, Australia.
 - Explore collaboration possibilities with EU partners (ex: JRC, Portugal STEE Meeting);
 - Assist in developing ST policy positions on broad science issues (ex: BBNJ);
 - Provide support for ICES and UN Decade of the Ocean activities;
 - Assisting in the dissemination and implementation of FishPath - a fisheries assessment and management tool for capacity-limited countries;
 - Serving as the NMFS Marine Scientific Research (MSR) Coordinator for review of foreign requests to conduct research within the U.S. Exclusive Economic Zone;
 - Maintain the ST International Fisheries Science websites;
 - Develop external funding opportunities and NMFS international activities databases; and
 - Weekly reporting of international fisheries research activities.

Expertise Desired

- Knowledge of policies and programs related to U.S. living marine resources.
- Knowledge of international marine conservation issues.
- Ability to communicate orally and in writing, in a clear, concise, organized, and convincing manner for the intended audience, including professional scientists and managers.
- Willingness to engage in multiple tasks with short- term deadlines.
- Ability to work cooperatively with other staff.
- Ability/willingness to travel domestically and abroad, as necessary.
- Web development and language skills a plus.

Travel within DC (days per month)

2-5

Travel outside DC (days per month)

0-5

Accepts Foreign Nationals

No

Position ID

E20-19

Position Title

Coastal Policy Analyst

Agency

NOAA National Ocean Service

Office

Office for Coastal Management

Portfolio Summary

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.

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 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 that offers science-based training and education programs and provides 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 several activities, including but not limited to:

Policy Support: The Fellow will contribute to several ongoing initiatives, including: implementing the Executive Order on Ocean Policy, focusing on ocean management and data sharing; implementing NOAA's Blue Economy initiative; 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 traveling with them) at meetings, conferences, and other events.

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, as well as working with staff throughout the country

to develop consistent messages for District-level Congressional outreach. Another key activity will be monitoring relevant legislation introduced in the 116th 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, and passage of the Digital Coast 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, an approach and timeline for reaching those audiences, and the in-house experts that are best equipped to deliver the information. The Fellow will also work with Communications staff to identify stories and accomplishments from OCM and partners for use in messaging and communications materials.

Program Analysis and Support: The Fellow will work with Office staff to advance work in resilience finance, which could include: identifying and responding to partner needs; implementing the National Mitigation Investment Strategy; and/or engaging with the private sector to explore partnership opportunities.

The Fellow will work to identify and explore opportunities to leverage non-Federal investments in resilience, including those in climate adaptation and hazard mitigation, to advance related coastal management priorities. This will build on information gained through recent Office projects focused on the economic impacts of coastal programs and estuarine research reserves, and the funding/financing needs of coastal states.

Expertise Desired

Desired Background Skills: This position provides an excellent opportunity for a Fellow with a policy 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 independently as well as part of a team of professional staff from all levels inside and external to the Office.

Travel within DC (days per month)

2-10

Travel outside DC (days per month)

Opportunity for 2-6 trips outside DC per year.

Accepts Foreign Nationals

Yes

Position ID

E20-20

Position Title

Policy Liaison

Agency

Department of the Navy

Office

Office of the Deputy Assistant Secretary of the Navy, Environment

Portfolio Summary

The Department of the Navy's Office of the Deputy Assistant Secretary of the Navy (Environment) works towards enhancing environmental protection; implementing environmental planning and restoration efforts ashore and afloat; and incorporating conservation initiatives of natural and cultural resources both on and off Department of the Navy property. The Fellow would work with senior leadership including scientists, subject matter experts, and attorneys on a broad range of issues such as natural and cultural resource protection, marine species protection, ocean pollution and prevention, environmental technology, conservation banking, and environmental strategic communication. The Fellow would also serve as a liaison for the Office on any number of topics with the White House, Congress, EPA, NOAA, and other Federal agencies. Specific duties can be tailored to the individual Fellow, and are cross-cutting in nature.

The office is located in the Pentagon. Duties of the Fellow may include:

- Drafting and editing policy and memorandums from the Secretariat level
- Attending and possibly planning conferences/ symposiums
- Briefing the Deputy Assistant Secretary of the Navy (Environment) on issues pertinent to his position within the Ocean Resource Management Subcommittee, Coral Reef Task Force, and other ocean groups
- Assisting in briefings to legislators and their staff on Capitol Hill
- Drafting and editing inter-agency agreements
- Research and review of federal regulations and proposed policy

Expertise Desired

A willingness to learn, an ability to communicate (both verbally and written), and the capacity to work both independently and as a part of a team are highly desired for this position. Familiarity with environmental statutes such as NEPA or the ESA is helpful, but not required. Specific tasks can be tailored to the strengths and weaknesses of the individual Fellow. The office works on a broad range of issues, so there is flexibility in defining the Fellow's portfolio based on her/his goals for the fellowship. Due to the need for the Fellow to obtain an interim and final security clearance, this office can only accept US citizens and cannot accept US citizens with dual citizenship.

Travel within DC (days per month)

3-5

Travel outside DC (days per month)

0-5

Accepts Foreign Nationals

No

Position ID

E20-21

Position Title

UN Decade Policy Assistant & Assistant to the Chief of Staff

Agency

NOAA

Office

Oceanic and Atmospheric Research

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) defined global objectives that complement NOAA's mission, NOAA's Blue Economy science priorities, 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 oceans relative to the "economy, security, global competitiveness, and well-being of the United States," an idea core to the origin of the UN Decade. NOAA is the federal agency that is best positioned to ensure the UN Decade is optimized as a means to promote and showcase U.S. ocean science and technology leadership and the effective execution of our National Ocean Policy.

We are seeking a fellow to support the Decade-related initiatives of the Assistant Administrator for NOAA Research (Craig McLean), who is also a member of the UN Decade Executive Planning Group. 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 the OAR Ocean Portfolio 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.

In addition to duties related to the UN Decade, the Fellow will be a key member of a small team assisting the OAR Chief of Staff. Work will include significant projects and initiatives such as assisting the NSTC Subcommittee on R&D Infrastructure in drafting a national strategic overview, coordinating major meetings such as the OAR Senior Research Council and bi-lateral leadership discussions among NOAA Line Offices, oversight visits to OAR labs, implementation of OAR's new strategic plan, and providing support and staffing to the OAR AA.

Expertise Desired

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

Travel within DC (days per month)

5-7

Travel outside DC (days per month)

5-7

Accepts Foreign Nationals

No

Position ID

E20-22

Position Title

Interagency & International Policy Liaison

Agency

U.S. Navy

Office

Oceanographer of the Navy

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 President Trump's Ocean Policy Committee, established by Executive Order 13840. The Deputy Oceanographer also represents the Joint Staff on the OPC's Ocean Resource Management subcommittee.

The Sea Grant fellow will work with the Deputy/Technical Director and other staff members and be involved in a variety of international, interagency, and Congressional issues relevant to the mission of the Oceanographer of the Navy.

Specific duties are tailored to the individual Sea Grant 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, Congressional liaison and testimony writing, data collection and release, ocean observing systems, NATO issues, public data release, and Law of the Sea issues. The fellow would 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.

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 the strengths, weaknesses and goals of the individual Fellow. We will help the fellow to shore up weak areas, and build upon their strengths. 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 cannot accept US citizens with dual citizenship.

Travel within DC (days per month)

8

Travel outside DC (days per month)

2

Accepts Foreign Nationals

No

Position ID

E20-23

Position Title

Special Assistant to the Deputy Assistant Director for Ecological Services

Agency

United States Fish and Wildlife Service

Office

Headquarters, Ecological Services

Portfolio Summary

We are excited to host a Sea Grant Fellow in the fast-paced world of Ecological Services (ES) 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. There is opportunity for the Fellow to become more deeply involved with office priorities that spark personal and/or professional interest. It is an excellent opportunity to join a great team, be involved with complex issues, and influence conservation in our country. The position is a great opportunity for professional development and exposure to the FWS at a national level. 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 (ESA), 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. 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 ESA 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. Past fellows have worked closely with national pesticide consultations, implementation of the National Environmental Policy Act (NEPA) and Secretarial Order 3355, and advancements to the Information for Planning and Consultation (IPaC) online tools.

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 ESA is not required. Interest in non-aquatic and aquatic species conservation strongly recommended.

Travel within DC (days per month)

1-5 (flexible)

Travel outside DC (days per month)

1-5 (flexible)

Accepts Foreign Nationals

Yes

Position ID

E20-24

Position Title

NIHHIS Communications and Outreach Specialist

Agency

NOAA

Office

Climate Program Office

Portfolio Summary

Extreme heat kills hundreds of Americans each year (more than any other hazard, on average) and sends thousands more to the hospital. This is only projected to get worse as global average temperatures increase, driving hotter, longer, and more frequent heat waves. In response to the threat of extreme heat, the National Oceanic and Atmospheric Administration (NOAA) as well as the Centers for Disease Control and Prevention (CDC) launched The National Integrated Heat Health Information System (NIHHIS). NIHHIS improves and delivers climate, weather, and health information that supports decision-making by practitioners who protect Americans' health from heat stress as well as to inform research priorities in the Earth, health, and social sciences.

The NIHHIS Communications and Outreach Specialist will become an essential member of the NIHHIS core team, which includes representatives from the National Weather Service, NOAA Research, and the CDC. The NIHHIS fellow will manage the public face of NIHHIS, build and sustain important partnerships, communicate key information to NIHHIS stakeholders, and undertake activities to enable communities to protect human health from heat exposure. The fellow will lead development of the next version of the NIHHIS portal [<https://nihhis.cpo.noaa.gov>], grow the NIHHIS social media presence, perform outreach to the NIHHIS community, engage in both the NIHHIS inter-agency working group and the local NIHHIS pilots, and contribute to broader Federal heat/health projects at both CDC and NOAA.

The NIHHIS inter-agency working group includes participation of CDC, EPA, NIOSH, ASPR, FEMA, OSHA, USDA, NOAA and other agencies that are all seeking to harmonize their messaging around extreme heat and human health, and to develop new integrated information that cut across the agencies and support informed decision making to protect Americans from extreme heat. The fellow will engage practitioners to help inform work, including stakeholder in NIHHIS local pilots and CDC's Climate-Ready States and Cities Initiative, to understand their needs and to inform research and information development within NOAA, CDC, and NIHHIS partners. The fellow will work through these initiatives to improve the information we deliver to our partners and stakeholders, and will learn how we engage these communities in a structured way.

In addition to external communication and engagement with NIHHIS partners, the fellow will be expected to build bridges within NOAA and CDC. The fellow will get exposure to the National Weather Service, National Ocean Service, NOAA Research Labs and Cooperative Institutes, and other Line Offices through initiatives such as NOAA One Health, and Weather Ready Nation. The fellow will gain broad knowledge of the many health issues that NOAA plays a role in managing, including extreme heat, air quality, Arctic issues, vector- and water-borne disease, benefits from the sea, and marine mammal

disease. Similarly, the fellow will engage across parts of CDC working on heat, helping to coordinate efforts across the Climate and Health Program, the National Institute for Occupational Safety and Health (NIOSH), and other relevant groups within the agency. The fellow will have hands-on experience working with subject matter experts in the human health impacts of heat exposure and environmental health communication.

Location: Flexible - ideally the fellow will split their time to spend 6 months with NOAA in Silver Spring, MD and 6 months with CDC in Atlanta, GA.

The fellow will:

- Manage the public face of NIHHIS, including the web portal, newsletter, social media, print literature and other digital materials, and through conversations and public presentations.
- Work in an interagency context to develop heat health social media campaigns, communications plans, and potential new integrated heat health information products for communicating to stakeholders in communities across the North America.
- Develop deep knowledge on heat health, including the climatological and meteorological drivers of heat waves, health impacts, interventions and risk management techniques, common challenges and best practices.
- Sustain and grow NIHHIS connections with CDC Building Resilience Against Climate Effects (BRACE) Grantees, Regional Integrated Science and Assessment (RISA) teams, Weather Ready Nation Ambassadors, and other NIHHIS agency partner programs, including representing their activities in the NIHHIS Heat Beat newsletter and coordinating workshops and other engagements.
- Assist NOAA and CDC with heat-related activities tangential to NIHHIS. This may include creating documents, providing technical assistance to external stakeholders, providing summaries of aspects of heat-related illness to aid media responses, and participating in relevant workgroups.
- Assist in the development and refinement of heat/health indicators, for use by NIHHIS and partners including health departments, CDC's Climate and Health Program, CDC's environmental public health tracking program, and the Council of State and Territorial Epidemiologists (CSTE).
- Collaborate with the federal Climate Change and Human Health Group (CCHHG) on activities related to NIHHIS.

This is a fellowship, and we respect that. You will have time to attend professional development and educational activities, to explore your interests, and to try out new ideas you have.

Expertise Desired

- Experience and skill in communications with external stakeholders, including social media savvy.
- Strong self-direction and ability to work under broad guidance.
- Strong time-management skills and the ability to manage competing priorities.
- A background in a health-relevant field or strong interest in the health impacts of extreme heat, weather, and climate.

Travel within DC (days per month)

2-5

Travel outside DC (days per month)

2-5

Accepts Foreign Nationals

Yes

Position ID

E20-25

Position Title

Advisor to the Technical Director, Civil Works R&D

Agency

U.S. Army Corps of Engineers

Office

Coastal & Hydraulics Lab - Office of the Technical Director

Portfolio Summary

This position will fill an important staff responsibility in support of the U.S. Army Corps of Engineer's Research and Development Program. The Fellow will have the opportunity to take a leadership role in research and development supporting Corps operational requirements, addressing topics of their choice and tailored to the knowledge and skills of the Fellow. Corps programs include threatened and endangered species, wetland and habitat restoration, coastal hydrodynamics, storm waves and surges, geomorphology, remote sensing, GIS, lidar mapping, hyperspectral imagery, data fusion, regional sediment management, coastal measuring and monitoring, structure condition assessment, asset management, and many other challenging areas with on-going research. The Sea Grant Fellow will work with the Technical Director to identify a suitable challenge based on individual career goals.

Opportunities will be provided for participation in educational events to expose Fellows to the wide variety of Corps mission areas.

This position offers the opportunity to impact national R&D supporting the marine transportation system by creating and helping to manage a national R&D agenda, making decisions about technical approaches, integrating technical teams from across the Federal, academia and industry sectors, and participating in actual research projects. Included is the opportunity to advance individual career goals through targeted research supporting the Corps' and national objectives.

Working under the direction of the Corps' Technical Director for Civil Works R&D and senior staff, this position will be the lead on several strategic initiatives supporting the Corps of Engineers and the national marine transportation system. This position will likely include coordination with the Committee on the Marine Transportation System (CMTS), and the U.S. Coastal Research Program as part of ongoing collaborations.

Position requirements include the willingness to learn about Federal departmental and agency U.S. marine transportation authorities and responsibilities as they relate to the White House ocean policy and stewardship initiatives. Also, the ability to compile and organize federal R&D program information, examine the information for potential R&D programmatic synergies and efficiencies is desired. Position requires basic office and computer skills, strong writing and research abilities, and the ability to generate complete and finished documents for high-level agency review and approval. The position also requires self-motivation, effective communication skills, and interpersonal skills.

Expertise Desired

There is no mandatory expertise required to succeed in this office. Past fellows have had backgrounds in environmental policy, invasive species, marine harmful algal blooms, economics, law, and coastal geomorphology. Since our office works on a broad range of issues, we do not expect Fellows to be familiar with these beforehand. Rather, we expect Fellows to have a willingness to learn on the job with the guidance and mentorship of senior staff.

Travel within DC (days per month)

2-3

Travel outside DC (days per month)

3-4

Accepts Foreign Nationals

No

Position ID

E20-26

Position Title

Marine Debris Program Specialist

Agency

NOAA

Office

Marine Debris Program

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 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 and 2018. Our mission is to investigate and prevent the adverse impacts of marine debris. About half of the MDP's staff is located in Silver Spring, and the other half is located in regions across the U.S.

In 2019 NOS launched a Zero Waste Initiative, lead by the MDP. A team composed of representatives from all of the NOS Program Offices was developed to assist with a NOS-wide effort to reduce waste and promote sustainable practices both in day-to-day office activities and at events. The NOS team developed a Zero Waste Action Plan for 2020 with three charges: 1) Reduce waste in NOS offices and daily operations; 2) Reduce waste at NOS events; and 3) Encourage participation across NOS. The Sea Grant Fellow will help lead and support the implementation of the action plan. A sample of the activities for this project include:

- Serve as the Executive Secretariat of the Zero Waste Team
- Lead the implementation of actions in the Zero Waste Action Plan
- Support the implementation of the Zero Waste Communication Plan
- Work closely with representatives from all NOS program offices, including the Office of the Chief Administrative Officer and NOS leadership
- Brief NOS leadership on implementation progress
- Develop talking points and communication materials for program office leadership
- Field ideas from NOS staff

The Fellow will be part of the MDP Communications Team and part of his or her time will support Communications Team activities, in addition to the Zero Waste Team. Projects may include developing communication materials, assisting with marine debris Science on a Sphere data visualization, and supporting marine debris educational exhibits and displays with federal partners. The Fellow will also have an opportunity to work the Science Team and the MDP's regional staff throughout the country. The Fellow can expect to be a full member of the MDP team and a percentage of the fellowship year can be dedicated to a particular 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
- Experience in developing external communications for a variety of audiences
- Tangible skills in developing talking points and briefing materials for NOS leadership
- Contacts across NOS

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.

Experience translating scientific information for public audiences.

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 is a plus.

Travel within DC (days per month)

5

Travel outside DC (days per month)

Occasional

Accepts Foreign Nationals

I don't know

Position ID

E20-27

Position Title

International and Regional Liaison for Ocean Acidification Communication and Capacity Building

Agency

NOAA

Office

Ocean Acidification Program (OAP)

Portfolio Summary

NOAA's Ocean Acidification Program seeks a Sea Grant fellow to advance capacity efforts both internationally and regionally in support of the Office of Ocean and Atmospheric Research in Silver Spring, MD. NOAA's Ocean Acidification Program helps lead the Global Ocean Acidification Observing Network (GOA-ON), which is comprised of international researchers and policymakers working to build an integrated global observing network that documents the current state of ocean acidification and works to improve global understanding of the impacts. Nationally, the OAP supports regional capacity networks to promote the engagement of a diverse array of stakeholders including aquaculture and fisheries industries, marine and coastal managers, government and academic scientists, non-governmental organizations, and others. The fellow will advance activities in both these international and national domains. As a member of the GOA-ON Secretariat, along with two other individuals placed at the Intergovernmental Oceanographic Commission (IOC-UNESCO) in Paris and at the International Atomic Energy Agency (IAEA) in Monaco, the fellow will work to facilitate international engagement and promote the further development of GOA-ON Regional Hubs, which allow for more regionally targeted organizing efforts. The fellow will also be involved in promoting sustained capacity building in developing nations by overseeing Pier2Peer, an international scientific mentorship program matching senior marine researchers with junior scientists or those new to the OA field. The fellow may also participate in the organization of international capacity development workshops. This year we hope the fellow can focus on transferring the OA communication best practices to others in the GOA-ON community. In addition, the fellow will work closely with the OAP director and OAR International Affairs to cover international taskers. 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. Nationally, the fellow may assist in regional stakeholder engagement activities advanced as part of the programs sponsorship of U.S. based regional Coastal Acidification Networks which work to assess regional stakeholder science and information needs particularly with respect to the U.S. southeast and Gulf of Mexico regions. The fellow will also provide general scientific, programmatic, and communications related support for the program office in Silver Spring, MD. 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 international scientists, communication and engagement with stakeholders. The candidate will have the opportunity to develop an independent project specific to their interests that supports the program's efforts.

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. While not a requirement, a knowledge of biogeochemistry, marine chemistry, and/or species response to ocean acidification are helpful.

Travel within DC (days per month)

0-10

Travel outside DC (days per month)

0-5

Accepts Foreign Nationals

Yes

Position ID

E20-28

Position Title

Marine Protected Areas Fellow

Agency

NOAA

Office

Office of National Marine Sanctuaries

Portfolio Summary

Marine protected areas (MPAs) are a critical tool for preserving our nation's marine resources and are designated to provide lasting protection for places of exceptional ecological and/or cultural value along our oceans, coasts and Great Lakes. They include familiar examples like national marine sanctuaries, national parks and national wildlife refuges, as well as the state counterparts to these programs.

About the MPA Center: The MPA Center has a mission to support all federal and state MPA programs, as well as international partnerships. We focus on building the management capacity of MPA programs through training, information and tools. We are located within NOAA's Office of National Marine Sanctuaries.

About the Fellowship: This placement offers an opportunity to be part of a small, dynamic and highly collaborative team (including former fellows) working to support MPA managers in protecting the ocean's most important places. The MPA Center seeks a Knauss Fellow to support capacity building and interagency coordination to address key management needs across multiple MPA programs. Specific areas of focus include:

- Strengthening management of visitor use in MPAs, including identifying options for limiting use impacts, methods for assessing/counting visitors, and fostering desired stewardship behaviors.
- Working with National Marine Sanctuaries, National Park Service, National Wildlife Refuge System and National Estuarine Research Reserves to identify key priorities, needs and opportunities to support shared management needs among these programs, particularly focused on management of ocean uses.
- Coordinate meetings of the Federal Interagency MPA Working Group to share information and identify needs of MPA management and supporting programs
- Support capacity building activities for U.S. MPA programs, including a needs assessment and the successful MPA management webinar series with EBM Tools Network.
- Work with MPA Center staff to develop capacity building options and materials for US MPA programs, including targeted webinars, learning exchanges, on-line training and in-person training associated with existing meetings and conferences.
- Support MPA Center communications, including e-newsletter, web updates, outreach and social media.

The fellowship offers opportunities to interact with MPA managers and scientists across a wide range of national and state-level (and potentially international) programs and attend meetings on marine protected areas. The fellowship will offer travel and training opportunities.

Expertise Desired

Outstanding written, verbal, and interpersonal skills. Ability to prioritize and manage multiple projects under tight deadlines. Strong personal initiative, problem-solving skills, creativity, and ability to work independently and as a member of a team. Graphic design skills and GIS a plus but not a necessity.

Travel within DC (days per month)

1-3

Travel outside DC (days per month)

0-5

Accepts Foreign Nationals

Yes

Position ID

E20-29

Position Title

Special Assistant to the Assistant Administrator for Oceanic and Atmospheric Research

Agency

NOAA

Office

OAR Office of the Assistant Administrator

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 seven 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 and administrative topics, 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 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 Nation's 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 Council on NEPA compliance issues for marine research
- Supporting NOAA's efforts to implement the National Ocean Policy

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 travel schedule. A sense of humor is greatly appreciated!

Travel within DC (days per month)

3-5

Travel outside DC (days per month)

3-5 (varies per month)

Accepts Foreign Nationals

No

Position ID

E20-30

Position Title

GEO Blue Planet Policy Fellow

Agency

NOAA

Office

Center for Satellite Applications and Research, Satellite Oceanography and Climatology Division

Portfolio Summary

The NOAA/NESDIS/STAR Satellite Oceanography and Climatology (SOCD) Division hosts the Secretariat for the GEO Blue Planet Initiative (www.geoblueplanet.org). GEO Blue Planet is 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. Our experts have a demonstrated capacity to bridge the gap between data and services to deliver usable information that supports informed decision-making toward reaching sustainable development. GEO Blue Planet is the ocean and coastal arm of the Group on Earth Observations (GEO). GEO is 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 director of the GEO Blue Planet Secretariat, based at NOAA NESDIS/STAR/SOCD in College, Park Maryland. The fellow will work to identify stakeholder needs (particularly in developing countries) and support the 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. Projects will vary in scope and magnitude, but all will work to support the Group on Earth Observations policy objectives: the Sendai Framework for Disaster Risk Reduction, the UN 2030 Agenda, and the UNFCCC.

Expertise Desired

A knowledge of international policy is a plus but not required. The fellow should have excellent written and oral 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.

Travel within DC (days per month)

0 - 1

Travel outside DC (days per month)

Approximately two international trips per year (destination TBA)

Accepts Foreign Nationals

Yes

Position ID

E20-31

Position Title

Fishery Management Specialist

Agency

NOAA

Office

Office of Sustainable Fisheries, Domestic Fisheries Division

Portfolio Summary

The United States is considered a world leader for sustainable fisheries and the Domestic Fisheries Division in the Office of Sustainable Fisheries plays a central role in this success. In this position, you would join a team of dedicated professionals (including 4 former Sea Grant Fellows) to apply cutting edge science to complex national policy issues. Your work will help guide sustainable fisheries management around the country in accordance with the Magnuson-Stevens Fisheries Conservation Act (MSA) Our office is at the forefront of emerging issues such as ecosystem-based fisheries management, adaptive management in the face of climate change, and legislative efforts to reauthorize MSA. These issues and how we address them will have long term implication on the future of fisheries management. As a Fellow, you would have an opportunity to work on and lead a wide variety of projects and collaborate with scientists and policy-makers at the local, regional, and national level. Key priorities facing our division include:

- Developing technical guidance to help regions implement new provisions in the MSA National Standard 1 guidance.
- Working with regions and the Councils to prepare for climate change and implement ecosystem based fisheries management.
- Supporting bycatch reduction initiatives including measuring the impact of the bycatch reduction engineering program and implementing the bycatch reduction strategy.
- Engaging with recreational fishing community to address key policy issues.
- Advancing efforts to communicate the sustainability of US seafood to help address the seafood trade deficit.
- Analyzing legislation that amends the MSA and other fisheries statutes.
- Conducting a review of and updating socioeconomic guidance documents in coordination with programs and regions.

We will work with you to identify specific projects within these priorities that increase your knowledge and skills, enable you to expand your professional network, and meaningfully contribute to pressing national fishery management issues.

The Fellow will report to Kelly Denit, Division Chief of the Domestic Fisheries Division, but will work closely with other staff members.

Expertise Desired

The Fellow should have strong analytic and communication skills and be able to work as both a team member and leader to accomplish office priorities. An ideal candidate would have strong skills in marine or environmental policy or economics, fisheries, natural resource management or a related field.

Travel within DC (days per month)

Occasional

Travel outside DC (days per month)

Occasional

Accepts Foreign Nationals

Yes

Position ID

E20-32

Position Title

Congressional and Legislative Affairs Fellow

Agency

U.S. Fish and Wildlife Service

Office

Congressional and Legislative Affairs

Portfolio Summary

The U.S. Fish and Wildlife Service (Service) works with others to conserve, protect and enhance fish, wildlife and plants and their habitats for the continuing benefit of the American people. The Service carries out this mission by implementing many conservation laws, including landmark laws like the National Wildlife Refuge System Administration Act, Endangered Species Act, Migratory Bird Treaty Act, and Marine Mammal Protection Act.

The Service's Division of Congressional and Legislative Affairs (CLA) cultivates relationships on Capitol Hill and appropriately engages in the legislative process on behalf of the agency. CLA staff work closely with Service programs, regions, and leadership and with congressional offices to ensure the effective interchange of information and to implement the Service's legislative agenda. This includes tracking and analyzing legislation, developing positions and testimony, and communicating information on legislation and the Service's activities.

CLA is a small team that works within the Service's External Affairs program alongside the Public Affairs and External Partnership divisions. We are very familiar with the Knauss fellowship program, as the CLA chief, deputy chief, and a staff member are former Knauss Fellows. We also have hosted a number of fellows in the recent past who now have successful careers within the Service, other federal agencies, and in the nongovernmental sector. The office is consistently busy and the work is fast-paced. The issue portfolio for a Fellow is to be determined early in 2020. Past Fellows have worked on a range of issue areas; examples include Endangered Species, Fisheries and Aquatic Conservation, Marine Mammals, International Affairs, Science Operations, Wildlife and Sport Fish Restoration, and Coastal Barriers. The Fellow will also be responsible for coordinating daily and weekly reports for officials in the Service and the Department of the Interior (DOI) on Congressional interactions and legislation.

Working in CLA allows a Knauss Fellow to learn first-hand about the functions and interactions of both the executive and legislative branches of government. A Fellow will engage in congressional relations and the legislative process, and will also have a unique opportunity to interact with a wide variety of programs, regions, and officials within the Service and DOI. A Fellow will also have the opportunity to travel to regions and/or field offices to gain a broader experience with the Service; the Service manages national wildlife refuges and other assets across the country to which a Fellow could travel.

The Fellow will have the opportunity to engage in a variety of activities, including:

- Serving as a liaison for the Service with congressional staff on committees and in personal offices; responding to requests for information.
- Advising the Service's leadership and programs regarding pending legislation.

- Initiating, drafting, reviewing, and facilitating clearance of policy positions, testimony and reports on many and varied legislative issues referred to the Service by DOI.
- Coordinating or assisting in preparation for congressional hearings and briefings.
- Maintaining active, ongoing communications with congressional offices.
- Coordinating with other federal agencies.
- Attending meetings, briefings and hearings on Capitol Hill.
- Developing daily and weekly reports to be sent to DOI on Congressional interactions and legislation.
- Coordinating a tour of FWS resources for congressional staff.

CLA works on a number of exciting issues, such as fisheries, endangered species, national wildlife refuges, invasive species, migratory birds, international affairs, marine mammals, and habitat conservation. The Fellow will have the opportunity to develop and expand knowledge of natural resource conservation programs and the congressional and legislative process, as well as the political acumen necessary for a successful career in public service or the private sector.

Expertise Desired

- Strong written/oral communication skills.
- Strong interpersonal skills.
- Ability to serve as a liaison among groups with varying expertise on a topic.
- Interest in Capitol Hill and the legislative process.
- High degree of judgment and common sense are essential.
- Background in or knowledge of fish, wildlife, or habitat conservation.
- Ability to prioritize workload and manage multiple projects/tasks under deadline.
- Ability to work independently and also as part of a friendly team.
- Sense of humor is a must!

Travel within DC (days per month)

Local travel to Capitol Hill 2-4 days per month on average.

Travel outside DC (days per month)

Fellows average 4 weeks out of the office on work related travel depending on interests and opportunities.

Accepts Foreign Nationals

Yes

Position ID

E20-33

Position Title

Advisor to the National Lead and Deputy National Lead, Engineering With Nature® (EWN®) Initiative

Agency

U.S. Army Corps of Engineers

Office

Engineer Research and Development Center

Portfolio Summary

This full-time position will fill an important staff responsibility in support of the U.S. Army Corps of Engineers' (USACE) Engineering With Nature® (EWN®) Initiative. EWN is defined as the intentional alignment of natural and engineering processes to efficiently and sustainably deliver economic, environmental and social benefits through collaborative processes. With recent advances in the fields of engineering and ecology, EWN provides an opportunity to combine these fields of practice into a single, collaborative and cost-effective approach when striving to achieve sustainable water resources projects. The approach to developing sustainable, coastal projects includes the following EWN elements: science and engineering that produces operational efficiencies; using natural process to maximum benefit; broadening/extending the benefits provided by projects; and applying a science-based, collaborative processes to organize and focus interests, stakeholders, and partners. More information can be found on our website: www.engineeringwithnature.org.

The Fellow will work directly with the EWN National Lead and Deputy National Lead on a variety of EWN-related activities. The Fellow will also collaborate with the Coastal Ecology Team Lead at ERDC's Environmental Lab as well as other scientists/engineers affiliated with the EWN initiative. More than 20 USACE scientists, engineers, and policy analysts regularly collaborate on projects being conducted in support of EWN. The Fellow will have an opportunity to meet many of these individuals and learn more about other ongoing EWN projects of interest, which may also be selected for the purpose of R&D support. By participating in the USACE's EWN Initiative, a Fellow would have an opportunity to take a leadership role in the following:

- A. Research and development (R&D) that directly supports the EWN initiative by addressing topics of choice that are tailored to the Fellow's knowledge and skills. Projects for consideration include, but are not limited to: (1) the application and utility of specific Natural and Nature-Based Features (NNBF) types (e.g., beaches/dunes, wetlands, reefs, islands, etc.); (2) integrating EWN techniques and landscape architectural practices in order to design USACE infrastructure projects that achieve greater environment and social benefits; (3) restoration and monitoring of Swan Island in the Chesapeake Bay; and (4) Collaborating with private, public, nonprofit and government groups to develop research and tools to aid natural infrastructure .
- B. Completion and Distribution of International NNBF Guidelines. In 2016, USACE initiated a collaborative, international project to develop and publish guidelines on the development and implementation of NNBF to support engineering functions in the context of the overall sustainability and resilience of our coasts, bays and estuaries

(<https://ewn.el.erdc.dren.mil/nbnf-guidelines.html>). The project has been supported by representatives of more than 30 different governmental, private-sector, academic, and non-governmental organizations from more than five different countries. Publication of the guidelines is expected to occur in Spring 2020. The Fellow's efforts would include, but are not limited to: developing and assimilating chapter text, figures, and illustrations; international coordination; development of, and participation in, a series of international workshops, short courses, and other informational meetings that support rollout of the International NNBF Guidelines Document.

- C. Development of EWN technical/informational documents and associated distribution. The EWN Initiative also serves as an education platform that offers best available information, novel research findings, course materials, etc. to interested practitioners, resource managers, policy makers, stakeholders and the general public. In support of these activities, the Fellow may author EWN articles (technical and non-technical in scope) that are featured in a variety of publically available journals, magazines, and/or directly on the EWN website. Such activities may require touring project sites, and interviewing USACE project managers, technical experts and/or other project collaborators or co-authoring a report or article based on the fellow's EWN-based study. Finally, the Fellow will also support periodic updates to the EWN Website through the creation and/or collection of materials that are featured on the web pages. As such, the Fellow will collaborate with web designers, scientists/engineers and EWN leadership to develop web exhibits and post.
- D. Opportunities for additional travel and participation in conferences and workshops. In addition to travel directly related to A-C, there will also be opportunities to attend and participate in other conferences and workshops. Every year, the EWN Initiative is invited to lead sessions, workshops and short courses at a variety of international and national conferences. A Fellow would have an opportunity to work with the EWN National Lead, Deputy and EWN-affiliated engineers/scientists to develop such programs and lead the associated activities. Based on the subjects being presented, a Fellow may also elect to serve as a speaker during these events. Additionally, EWN Initiative team members also attend conferences to expand our knowledge and grow our existing network. As such, a Fellow may attend a conference with the idea of bringing back information to the larger EWN network of scientists and engineers.

Expertise Desired

Strong written and oral communication skills, including editing skills. Familiarity with science, and analyzing and disseminating scientific information to multiple audiences. The ability and organizational skills to take initiative, and lead projects. The ability to work well independently and in a team setting.

Travel within DC (days per month)

1-3 (depending on portfolio)

Travel outside DC (days per month)

3-4 (depending on portfolio)

Accepts Foreign Nationals

No

Position ID

E20-34

Position Title

Foreign Affairs Fellow

Agency

DOC/NOAA/NMFS

Office

International Affairs and Seafood Inspection

Portfolio Summary

This position is located in the International Fisheries Division, Office of International Affairs and Seafood Inspection (IASI), although assignments elsewhere in the Office are possible (Commerce and Certification Division), subject to the fellow's interests and office needs. The Foreign Affairs Fellow will support U.S. engagement in international fisheries management fora and the implementation of international and domestic fisheries policies, laws, and regulations. Activities to support this role include coordinating international issues within NMFS, across NOAA line offices, and between NMFS and NOAA Headquarters, Department of State, and with foreign contacts; writing background and policy papers and developing agendas for international meetings; preparing documents related to domestic implementation and responsibilities; and maintaining and disseminating information regarding international activities to NOAA Headquarters, field Directors and IASI staff.

Deliverables will include a variety of international communication and reporting products; briefing books and background papers; policy papers; and talking points for use by negotiators in various international and domestic meetings.

It is anticipated that the fellow will be assigned several activities in work areas such as: support inter-office teams assigned to one or more regional fishery management organizations (RFMOs) and regional fishery bodies (RFBs); assist in preparation for one or more fisheries policy bilateral consultations with key fishing nations; support the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) Program; and update the information content of "International Agreements Concerning Living Marine Resources of Interest to NOAA Fisheries."

One example of an RFMO for which the Office is seeking the fellow's engagement is the International Commission for the Conservation of Atlantic Tunas (ICCAT), where the United States is one of 53 Contracting Parties sharing access to highly migratory stocks of tunas, swordfish, billfish, sharks and other species caught as bycatch in these fisheries. The fellow will provide direct support to advance U.S. objectives through the review of best available science, development of U.S. proposals for conservation and management, international outreach to potential co-sponsors, and/or participation on a U.S. delegation involving preparatory work and travel to participate in the November 2020 ICCAT annual meeting or 2020 intersessional meeting(s).

Expertise Desired

Marine Resource Policy or Marine Biology. Strong written and oral communication skills. Ability to analyze, evaluate, and synthesize information and make informed recommendations. Willingness to engage in multiple tasks with short-term deadlines and support the office on a variety of different issues and activities. Ability to work cooperatively with other staff. Ability/willingness to travel domestically and abroad, as necessary. Language skills a plus.

Travel within DC (days per month)

1-3 days per month

Travel outside DC (days per month)

1-3 Days per month

Accepts Foreign Nationals

No

Position ID

E20-35

Position Title

Science and Data Policy Fellow

Agency

U.S. Fish and Wildlife Service

Office

Science Applications

Portfolio Summary

The mission of the Science Applications program is “excellence in science and its application to natural resource decision-making.” Science is critical to everything our agency does, and working with our program will offer a valuable vantage point and ability to interact across the agency.

Our headquarters office leads the U.S. Fish and Wildlife Service’s (FWS) efforts to make our agency’s data easy to find and easy to use, joining an ever-growing movement across government agencies. The Fellow will report directly to the FWS Chief Data Officer, Jason Duke, and will work with leaders and staff throughout the agency to develop policies, procedures, and technologies to improve our data management. Among other activities, the Fellow will help staff the FWS Data Science Committee and will also help to plan (and attend) the FWS June 2020 Data Management Summit at the National Conservation Training Center. Through this work, the Fellow will help ensure that FWS data is produced accurately and is available for making the best possible wildlife management decisions.

The Fellow will also have the opportunity to work with the FWS Biotechnology Workgroup.

Biotechnology is the manipulation (e.g., genetic modification, environmental manipulation, or selective breeding) of living organisms and their biological processes to produce commercial products (such as pest resistant crops, new bacterial strains, or novel pharmaceuticals) or for conservation purposes.

While these tools may be used to help protect and manage species, their applications may also pose conservation risks. The scientific information and use of these tools are rapidly evolving and may affect FWS policy, regulations, and on-the-ground strategies and needs. The Fellow will play a vital role in helping to lead the Workgroup with about 25% of the Fellow’s time addressing Workgroup priorities in areas of technical assistance, internal communication, and partnership building.

Depending on the Fellow’s interest, they may have the opportunity to work on other emerging science issues.

We will also work with the Fellow to set up a one-month detail in a different office and / or location of their choice. The detail is an important mechanism for Fellows to learn more about FWS, from HQ to the Field, and develop networks that will last well beyond their Fellowship. Past Fellows have pursued unique opportunities for their details including being dropped into the Grand Canyon by helicopter to help conduct fish surveys, assisting the Smithsonian with invasive species research in Alaska, and working on fish hatcheries in the Southeast.

Expertise Desired

The fellow does not need a technical background; instead, we seek someone who works well in a team-based environment and is enthusiastic about learning and taking on new challenges.

Travel within DC (days per month)

1-2

Travel outside DC (days per month)

5 days / month for 1 to 2 months, with option for a one-month detail

Accepts Foreign Nationals

Yes

Position ID

E20-36

Position Title

Global Ocean Observing Fellow

Agency

National Oceanic and Atmospheric Administration

Office

Ocean Observing and Monitoring Division

Portfolio Summary

The mission of the Ocean Observing and Monitoring Division (OOMD) in OAR is to support long-term, sustained, global, open ocean observations. The observing network provides critical information across NOAA, including the National Weather Service, Fisheries, and satellite support services. OOMD supports 50% of the global open ocean observations 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 climate record, improving predictive capabilities in weather and climate models, and understanding decadal trends (i.e ENSO, AMOC).

Fellows 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 OOMD.

Global Ocean Observing Fellow Portfolio:

Ocean Observing Under Extreme Events: Technology Assessment Workshop (30-50% effort)

- Coordinate development of cross-OAR workshop to help NOAA organize ocean observing responses to extreme events (i.e. hurricanes, HABs)
- Lead OOMD PI's in developing relevant materials/input
- Liaise with OAR technology groups (USx, gliders, etc)

Tropical Pacific Observing System (TPOS) 2020 Project (50% effort)

- Lead cross-NOAA TPOS Working Group monthly calls
- Organize and support TPOS Executive Group quarterly meetings
- Organize and support International TPOS Resources Forum Meeting
- TPOS engagement through international Global Ocean Observing System (GOOS) offices
- Coordinate an international TPOS Resources Forum Meeting

Other potential work (as interested)

- Website and communications
- Data management and metrics requirements
- Participation in research cruise

Travel Opportunities:

- Ocean Sciences 2020 -- February 2020, San Diego
- Extreme Technology workshop -- TBD
- Deep Argo testing cruise - October 2020, New Zealand
- TPOS Resources Forum Meeting -- January 2021, TBD

Expertise Desired

1. Ability and willingness to work on multiple, simultaneous tasks, sometimes with short-term deadlines
2. Ability to work effectively individually and in diverse teams encompassing a variety of backgrounds and responsibilities
3. An interest in physical oceanography including: sustained ocean observing (i.e. Moorings, global drifters, Argo) and connection of ocean observing and climate issues to policymakers

Travel within DC (days per month)

2-4

Travel outside DC (days per month)

1-3

Accepts Foreign Nationals

Yes

Position ID

E20-37

Position Title

International Ocean Liaison

Agency

National Oceanic and Atmospheric Administration

Office

Ocean Observing and Monitoring Division

Portfolio Summary**Office Description**

The mission of the Ocean Observing and Monitoring Division (OOMD) in OAR is to support long-term, sustained, global, open ocean observations. The observing network provides critical information across NOAA, including the National Weather Service, Fisheries, and satellite support services. OOMD supports 50% of the global open ocean observations 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 climate record, improving predictive capabilities in weather and climate models, and understanding decadal trends (i.e ENSO, AMOC).

Fellows 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 OOMD.

International Ocean Liaison Portfolio:

Support ocean observing goals within the planning for the UN Decade of Ocean Science (50%)

- Identify and develop the potential ocean observation contributions for the US to the UN Decade, including opportunities to bolster ocean observing systems in all basins, determining priority observing needs for integrating observations into models for ocean predictions, opportunities for using observations to support an inventory of ecosystems and their functions, identifying opportunities to strengthen capacity and accelerate technology transfer, and data and information management for ocean observations
- Follow-up actions to Ocean Obs '19 relevant to office-funded observing networks, looking towards how they can contribute to UN Decade of Ocean Science for Sustainable Development.
- Coordinate with other ocean observing programs/organizations such as the Global Ocean Observing System, Integrated Ocean Observing System, etc to ensure alignment/synergy of ocean observing goals and priorities where appropriate

Participate in the planning of the new Global Ocean Observing System office at WMO (20-25%)

- Support coordination between GOOS and the Intergovernmental Oceanographic Commission (IOC) and the World Meteorology Organization (WMO) in particular consideration of how changes in the governance structures within these organizations can best align to meet global ocean observing goals
- Support efforts to align/integrate basin-scale ocean observing programs/systems into GOOS so that these efforts complement and enhance each other

- Support Interagency Arctic Research and Policy Committee (IARPC) Collaboration Teams (20-25%)
- Facilitate coordination among Federal agencies, academics, non-governmental organizations, and others on the Environmental Intelligence - Team to drive forward the U.S. Arctic Research Plan, and support reporting to Congress on these efforts at the end of the fiscal year
- Assist in the development of the next Arctic Research Plan - an opportunity to see how agencies work together to answer policy drivers and societal need with coordinated science efforts

Other potential work (as interested)

- Website and communications
- Data management and metrics requirements
- Participation in research cruise

Travel Opportunities:

- Ocean Sciences 2020 -- February 2020, San Diego
- JCB Meeting -- April 2020, Geneva, Switzerland
- GOOS Observation Coordination Group Meeting -- April 2020, Halifax, Canada
- Deep Argo testing cruise - October 2020, New Zealand

Expertise Desired

1. Ability and willingness to work on multiple, simultaneous tasks, sometimes with short-term deadlines
2. Ability to work effectively individually and in diverse teams encompassing a variety of backgrounds and responsibilities
3. An interest in physical oceanography including: sustained ocean observing (i.e. Moorings, global drifters, Argo) and connection of ocean observing and climate issues to policymakers

Travel within DC (days per month)

3-5

Travel outside DC (days per month)

1-3

Accepts Foreign Nationals

Yes

Position ID

E20-38

Position Title

Science Education and Policy Fellow

Agency

NOAA

Office

Office of Education

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. Located in 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 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:

Support the NOAA Education Council

The NOAA Education Council discusses NOAA-wide education priorities, identifies opportunities for collaboration on education initiatives among NOAA programs, and makes recommendations to NOAA leadership on all aspects of NOAA's educational activities. The fellow will support Council activities through planning and executing monthly Council meetings, brainstorming effective Council engagement strategies with OEd leadership, and developing communication products that showcase NOAA Education.

Contribute to Congressional and interagency efforts

Alongside the OEd director, the fellow will prepare and attend Congressional briefings, working to communicate the activities and value of NOAA Education to key Senate and House offices. Additionally, the fellow will have the opportunity to support OEd leadership in various interagency meetings, including those of the Federal Committee on STEM Education and the National Ocean Policy Interagency Working Group on Ocean Education.

Support external partnerships

The fellow will spend a portion of their time working at the nexus of NOAA and external innovative educational institutions. The fellow will help coordinate the Coastal Ecosystem Learning Centers

Network, a consortium of exceptional conservation-driven aquariums across North America. The fellow will co-lead monthly calls and coordinate network efforts on issues of mutual interest to NOAA and the network's member aquariums on topics such as climate resilience and youth engagement. Additionally, if there is interest, the fellow can strengthen their communication skills by continuing to develop a podcast series titled NOAA & The Octonauts. The fellow will also have the opportunity to work with museums and science centers through the office's Science On a Sphere® Users Collaborative Network.

The fellow can 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, communicating NOAA's education successes through writing web stories and posting on social media, assisting with education-related outreach events, developing content and presentations for Science On a Sphere®, and supporting the office's two competitive grant programs—the Environmental Literacy Program and the Bay-Watershed Education and Training Program. For more information about OEd's programs visit: <https://www.noaa.gov/office-education>

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 or enthusiasm in education
- Experience in translating science and policy for general audiences
- Knowledge of, or prior involvement with, environmental and/or science education programs

Travel within DC (days per month)

3-6

Travel outside DC (days per month)

3-6

Accepts Foreign Nationals

Yes

Position ID

E20-39

Position Title

NOAA CoastWatch/OceanWatch/PolarWatch Communications Fellow

Agency

National Atmospheric and Oceanic Administration

Office

NOAA CoastWatch/OceanWatch/PolarWatch

Portfolio Summary

Satellite remote sensing observations for several physical and biogeochemical ocean parameters (e.g., sea surface temperature, sea surface height, ocean color, sea ice, ocean winds, etc.) are now robust and routine and ready to be used operationally, that is, used on a sustained and routine basis in the service of operational applications that influence decision-making and impact society. Satellite data are complementary to observations from buoys, ships and autonomous vehicles because they generally cover more space and time. The NOAA CoastWatch/OceanWatch/PolarWatch Program (CoastWatch) facilitates the use of global and regional satellite data products for understanding, managing and protecting ocean and coastal resources. NOAA CoastWatch is organized as a “hub and spokes” with the “hub” located in the NOAA/NESDIS Center for Satellite Applications and Research in the Satellite Oceanography and Coastal Division and the “spokes” 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). The CoastWatch portfolio of products and tools has expanded immensely in recent years. The small core staff has been focused on a tremendous list of successful technical developments. Now CoastWatch is ready to elevate its visibility to promote these new resources throughout NOAA and outside of NOAA to a global audience.

CoastWatch seeks a Knauss fellow to develop and execute an outreach and social media campaign to promote the recently expanded portfolio of satellite data products, tools and learning resources. The audiences we need to reach include multiple organizational layers inside of NOAA as well as users and stakeholders (both current and potential) outside of NOAA such as other government agencies, international partners, commercial sector users, academic researchers, etc. The campaign would be developed by the Knauss fellow and might include, for example, articles in trade magazines, email newsletters, website stories about how our data are used, presentations to small groups, creation of a sustainable social media presence, “handout literature”, introductory YouTube videos, or other ideas the fellow recommends. The fellow will also help with coordination and promotion of CoastWatch presence at upcoming scientific meetings. The position is based at the National Center for Weather and Climate Prediction (NCWCP) building in College Park, MD.

The fellow will gain skills, knowledge, experience and improved understanding in multiple arenas, for example (but not limited to), those listed here.

- Scientific and technical exposure to ocean remote sensing observations from satellites

- How these observations can be transformed into information and applied to solve social, economic and ecological puzzles
- Personal organizational and communications skills
- Experience interacting with various forms of media
- The scope of the NOAA organization and its many missions
- How policy and decision-making can be influenced through communications

Expertise Desired

The fellow should be enthusiastic about communicating science and have an interest in supporting environmental resource management challenges through the use of satellite remotely sensed ocean/aquatic parameters. Experience with social media and excellent communication skills (speaking, writing, participating in groups, presentations, etc.) are required. A reasonable scientific understanding of oceanography or coastal management and policy is strongly desired. Experience using ocean satellite data is a helpful bonus.

Travel within DC (days per month)

0 to 2

Travel outside DC (days per month)

None expected at this time

Accepts Foreign Nationals

I don't know

Position ID

E20-40

Position Title

Gulf Coast Restoration Policy Fellow

Agency

U.S. Department of Treasury

Office

Office of Gulf Coast Restoration

Portfolio Summary

Gulf Coast Restoration Policy Fellow

Department of Treasury, Office of Gulf Coast Restoration

Laurie McGilvray, Program Director

Portfolio Summary

The Gulf Coast Restoration Policy Fellow will work in the Department of Treasury's Office of Gulf Coast Restoration (OGCR) with a team of people responsible for implementing programs under the Resources and Ecosystems Sustainability, Tourist Opportunities, and Revived Economies of the Gulf Coast States Act of 2012 (RESTORE Act). The primary responsibilities include:

- providing technical assistance to OGCR staff with internal review of best available science in grant applications for natural resource restoration and protection projects, and working with subject matter experts to address their questions and requests for clarifications;
- providing technical assistance to Gulf Coast states, Florida counties, and Louisiana parishes on environmental compliance responsibilities and best available science requirements for natural resource restoration and protection projects;
- working with the five Gulf coast state Centers of Excellence in Research to enhance coordination and communication of research and monitoring efforts and to plan for future Gulf-wide science meetings;
- supporting coordination, communication, and policy development with the Gulf Coast Ecosystem Restoration Council (Council) Steering Committee and staff and other Gulf Coast funding programs;
- working with OGCR staff to make project information more publicly accessible, including in the Deepwater Horizon Project Tracker.

In the aftermath of the 2010 Deepwater Horizon oil spill, Congress passed the RESTORE Act which established the Gulf Coast Restoration Trust Fund in the U.S. Department of the Treasury. Eighty percent of the approximately \$6.66 billion in civil penalties to be paid under the Federal Water Pollution Control Act must be deposited in the Trust Fund, invested, and available to Gulf Coast states for programs, projects, and activities that restore and protect the ecosystem and economy of the Gulf Coast region. Treasury's OGCR was established in early 2014 and is responsible for implementing two grant programs and working with grantees in 5 Gulf Coast states, 20 Louisiana parishes, and 23 Florida counties – i.e., Direct Component and Centers of Excellence Research Grants.

As a relatively new office, there are many opportunities to help build and enhance the RESTORE Act programs and to work with other Federal agencies and non-Federal organizations implementing Gulf Coast research and restoration programs and projects. The RESTORE Act serves 47 states, counties, and parishes in the Gulf Coast region providing opportunities for a large variety of construction and restoration projects, such as beach, dune, shoreline and wetlands restoration, stormwater management, dredging, aquarium construction, park improvements, oyster aquaculture, and other types of projects. The RESTORE Act also provides funding to states for science, technology and monitoring at Centers of Excellence. New policy issues arise periodically and OGCR must provide clarification, interpretation, and answers to frequently asked questions and resolve policy issues. The fellow will provide technical assistance to help Gulf Coast states, Florida counties, and Louisiana parishes meet best available science and environmental compliance responsibilities. Many of the 23 Florida counties and 20 Louisiana parishes have small staffs and lack the expertise and capacity to ensure that natural resource restoration and protection projects are based on best available science and that projects meet all the environmental requirements. Providing technical assistance is essential to enhancing the capabilities of counties and parishes, and the fellow will visit planned or ongoing projects. The fellow will work with the Centers of Excellence in Research to enhance coordination and communication of research and monitoring efforts and to plan for future Gulf-wide science meetings after the Gulf of Mexico Research Initiative sunsets. The fellow will coordinate these efforts with other Gulf Coast funding programs (e.g., NOAA RESTORE Science Program, National Academies of Science Gulf Research Program, National Fish and Wildlife Foundation Gulf Environmental Benefit Fund). Finally, the fellow will assist OGCR in coordinating with the Gulf Coast Ecosystem Restoration Council, an independent federal agency comprised of representatives of the five Gulf Coast States and six federal agencies (including DOC, EPA, DOI), and with its staff. This will involve traveling to the Gulf Coast for bi-monthly Council Steering Committee meetings.

Expertise Desired

Understanding of ecosystem restoration, understanding of federal environmental laws, interest in working with and providing technical assistance to local governments, interest in working with contractor subject matter experts, ability to work in teams, good communication skills, analytical skills and ability to organize information.

Travel within DC (days per month)

1 day

Travel outside DC (days per month)

2-4 days

Accepts Foreign Nationals

No

Position ID

E20-41

Position Title

Offshore Wind Environmental Research and Siting Specialist

Agency

US Department of Energy

Office

Wind Energy Technologies Office

Portfolio Summary

The Department of Energy's Wind Energy Technologies Office (WETO) facilitates the development offshore and land-based wind in an environmentally-sound and cost-effective way. As part of WETO's large and growing offshore wind program, fellows will have the unique opportunity to work at the intersection of marine science, environmental sustainability, and renewable energy.

WETO is seeking a Knauss Sea Grant Fellow to assist in the management and execution of offshore wind environmental research and siting activities. The fellows may also have the opportunity to help determine programmatic research priorities and develop future R&D and policy analysis efforts.

Core responsibilities may include:

- Aid in the development and management of the offshore wind environmental research portfolio, focusing on developing and executing a funding solicitation in partnership with other agencies.
- Working to support DOE involvement in ocean planning activities, including participation in the Bureau of Ocean Energy Management (BOEM) Offshore Wind State Task Forces, regional ocean planning bodies, and national-level ocean planning efforts, as needed.
- Providing support and analysis to interagency working groups, and international data-sharing and research collaboration efforts.
- 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.
- Identifying possible synergies between offshore wind and marine hydrokinetic energy systems environmental research and policy.
- 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.
- Other duties as required.
- Fellows will report to Jocelyn Brown-Saracino (Knauss 2010), Program Manager for Environmental and Siting R&D and Workforce Development

Expertise Desired

- Preferred expertise:
- Marine biology, particularly with a focus on birds or marine mammals
- Marine policy
- Excellent oral and written communication skills
- Optional: Knowledge of offshore wind permitting, environmental impacts or associated research
- Optional: Knowledge of offshore wind technology, economics, resource assessments or other areas of expertise germane to offshore technology R&D, siting and deployment

Travel within DC (days per month)

1-2

Travel outside DC (days per month)

1-2

Accepts Foreign Nationals

No

Position ID

E20-42

Position Title

Socio-Economics Specialist

Agency

NOAA

Office

National Sea Grant Office

Portfolio Summary

The Sea Grant Socio-Economics Specialist will join the dynamic team in the National Sea Grant Office (NSGO) to support and enhance an expanding portfolio in economics and the social sciences.

Sea Grant is a unique federal-university partnership program with a mission “to enhance the practical use and conservation of coastal, marine, and Great Lakes resources in order to create a sustainable economy and environment”. The social sciences, including economics, are integral to mission success in the federal agency landscape and in the coastal communities where Sea Grant programs operate. The Socio-Economics specialist will work with the NSGO’s social science and economics lead to support and implement strategies that increase Sea Grant’s economic capacity as well as assist with defining how the social sciences fit into the broader Sea Grant and NOAA research portfolios.

This will be done through a variety of activities within the Sea Grant network and across NOAA, providing the fellow a rich experience with project management across a network of program partners as well as exposure to NOAA initiatives that inform research direction for the agency. As a result, the fellow will develop working relationships with researchers, staff, and leaders across NOAA as well as Sea Grant’s expansive 34 program network.

Key objectives of this portfolio are (i) support Sea Grant’s growing economics portfolio and network engagement activities, including Sea Grant’s new Economic Valuation Community of Practice (ii) develop a national strategy for integrating the social sciences into Sea Grant’s broader research portfolio and (iii) conduct a landscape analysis of recent research in the social sciences across the Sea Grant network.

The specialist and mentor will work together to ensure network and nationally relevant outcomes are visible to the Sea Grant network, state Sea Grant programs, and agency leadership through presentations, web-based platforms, as well as production of a white paper and/or peer-reviewed publication resulting from the work.

The National Sea Grant Office is an interesting office environment with a highly experienced staff that are always eager to lend a hand. The fellow will gain exposure to the day-to-day activities of a NOAA national program office, which, depending on their area of expertise and interests, may also include work on budget proposals, taskers, reporting requirements, briefings, and communications.

Expertise Desired

The Sea Grant Socio-Economics Specialist should have an interest in program strategy, partner engagement, and project management. The fellow should have the ability to think and work across

multiple disciplines and issues. Excellent written and verbal communication, creative problem-solving skills, and an ability to synthesize information from a variety of sources are also valued. The Fellow must be a self-starter who is comfortable working independently and with teams; time-management and organizational abilities are imperative. The Fellow needs strong interpersonal skills and must be comfortable interacting with a variety of individuals including high-level NOAA officials, federal and state partners, as well as Sea Grant university-based researchers and staff. The candidate's interest, motivation and ability to adapt to and participate in a broad suite of activities are more important than a particular education background. For this position, a familiarity with the social sciences and/or interdisciplinary work is valued. A background in any of the following is encouraged, but not required: biological, physical, environmental, meteorological, or social sciences; economics; resource management; or coastal and marine law and policy.

Travel within DC (days per month)

3-5

Travel outside DC (days per month)

3-5

Accepts Foreign Nationals

Yes

Position ID

E20-43

Position Title

HAZARD MITIGATION FELLOW

Agency

DHS - FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)

Office

FEDERAL INSURANCE AND MITIGATION ADMINISTRATION (FIMA)

Portfolio Summary

The Knauss Hazard Mitigation Fellow will play a critical coordination role in an ongoing effort to more effectively integrate the work of FEMA and the activities of CSO. Specifically, the Fellow will assist program staff in the Hazard Mitigation Assistance division on activities that are part of its work plan and that would benefit from greater interaction and collaboration with the Coastal Zone Management community. This can include briefing FEMA Staff across the HMA and the agency on CSO activities and connecting FEMA resources to members via CSO's platform. The Fellow can expect to participate on CSO Work Groups that organize CSO members around specific issues such as coastal hazards, mitigation grants, and mitigation planning. The Fellow will 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. Issues or projects for FEMA/CSO coordination could include: Building Resilient Infrastructure and Communities (BRIC) Program (formerly the Pre-Disaster Mitigation Grant Program), Flood Mitigation Assistance, Hazard Mitigation Grant Programs, Public Assistance Mitigation, natural/green infrastructure, resilient infrastructure, community planning, and hazard mitigation planning and resilience. The Fellow will have the flexibility to develop their own program portfolio, based on their own interests.

Expertise Desired

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. Fellows will need to take the lead on their principal projects, however other work will be more collaborative. The office settings of FEMA headquarters and the CSO office are busy, and the Fellow will be exposed to the work and projects of other Staff in both offices.

Travel within DC (days per month)

15-20 (FEMA and CSO offices are in relative proximity to Washington, DC. The Fellow will spend time in both offices each week, which are both accessible via the metro. At times, the fellow will attend meetings in other locations accessible by walking, the

Travel outside DC (days per month)

0-5

Accepts Foreign Nationals

Yes

Position ID

E20-44

Position Title

Ocean Policy Fellow

Agency

Executive Office of the President

Office

Office of Science and Technology Policy

Portfolio Summary

Portfolio Summary: 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 Science Division (Oceans and Environment Team), where OSTP ocean policy staff sit and the Fellow will work, provides subject matter expertise on disciplines including ocean policy, disaster resilience, water management, climate, space weather, nuclear technology, physical science, technology, 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 interest 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.

Ocean policy is currently addressed in part through the Ocean Policy Committee, which was established in 2018 by Executive Order. The Committee is a Cabinet-level body that represents the 25 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 Co-Chairs are staffed by an office that includes an Executive Director, an Ocean Policy Adviser on detail from the U.S. Navy, and an Ocean Policy Analyst on detail from the U.S. Coast Guard. The office is administratively housed within OSTP.

Expected Duties: The Fellow will: 1) assist in developing policy guidance and other materials related to implementation of Administration ocean policy; 2) participate in the development and/or implementation of new and/or ongoing ocean policy-related initiatives, which may include such issues as initiatives related to advancing ocean science and technology broadly; 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 and provide support for subject matter relevant to ocean policy and addressed by subcommittees of the NSTC such as harmful algal blooms, ocean and coastal mapping, 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.

Expertise Desired: 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 selected 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 selected 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.

Expertise Desired

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.

Travel within DC (days per month)

4-5

Travel outside DC (days per month)

Nominal, but may be requested to participate in regional meetings; may be opportunity subject to resources and other considerations to attend at least one national meeting. Travel required by OSTP, including local travel, will be the responsibility of OST

Accepts Foreign Nationals

No

Position ID

E20-45

Position Title

Building Resilient Infrastructure & Communities (BRIC) Specialist

Agency

DHS - Federal Emergency Management Agency (FEMA)

Office

Federal Insurance & Mitigation Administration (FIMA) - Mitigation Directorate

Portfolio Summary

On October 5, 2018, the Disaster Recovery Reform Act (DRRA) was signed into law. One of the most substantive provisions of DRRA is Section 1234, National Public Infrastructure Pre-Disaster Hazard Mitigation, which authorizes FEMA to set aside 6 percent of estimated disaster expenses for each major disaster to fund a new grant program: Building Resilient Infrastructure and Communities (BRIC). FIMA's Mitigation Directorate (MD) will strengthen the nation's resilience and advance a culture of preparedness through coordinated collaboration between federal, state, tribal and local partners, to include the delivery of mitigation grants, floodplain management, strong data analytics, consistent communications and outreach, and educational opportunities. FEMA envisions that BRIC will reduce costs and loss of life from natural disasters by building a national culture of preparedness through encouraging investments to protect our communities and infrastructure and strengthening national mitigation capabilities to foster resilience. Join FIMA in supporting collaboration and technical assistance and development of implementation materials so that state, local, tribal, and territorial partners have the information they need to submit successful applications.

Duties:

- Coordinates with other federal agencies, other FEMA offices, and stakeholders to ensure best practices from other grant programs are identified and provided to Hazard
- Mitigation Assistance Division (HMA) & Mitigation Directorate (MD) management for consideration, including coastal and riverine flood hazard mitigation.
- Coordinates with HQ and Regional HMA team members to ensure lessons learned from past application cycles are identified and presented to the team and management.
- Provides other concepts and ideas for consideration to team and management to ensure BRIC meets FEMA strategic goals and meets the needs of FEMA's partners.
- Advises the BRIC National Program Lead on skills and knowledge required for reviewers of hazard mitigation grant projects, particularly with regard to reducing risk from flooding events.
- Creates tools and resources for Regions and applicants to use to develop and review projects (e.g. regarding large-scale structural and non-structural flood mitigation project applications).
- Serves as a technical resource for application and contract reviews and other matters concerning technical assistance, particularly for hazards related to water (e.g. projects that address pluvial flooding events that overwhelm urban drainage systems).

Expertise Desired

Strong verbal and written communication skills.

Ability to provide verbal and written technical assistance on water-related grant applications.

Ability to ideate and innovate to contribute to new federal program stand up.

Ability to thrive and perform in a fast-paced work environment.

Travel within DC (days per month)

3-5

Travel outside DC (days per month)

up to 2-3 days

Accepts Foreign Nationals

Yes

Position ID

E20-46

Position Title

Science and Policy Analyst

Agency

Bureau of Safety and Environmental Enforcement

Office

Office of Policy and Analysis

Portfolio Summary

BSEE's Office of Policy and Analysis (OPAA) provides analysis, evaluation, and assessment capability to the bureau. OPAA manages and leads high-profile, multi-program, and multi-agency efforts in order to strengthen interrelated activities and information sharing, as well as advance organizational effectiveness. OPAA leads the bureau's programs for policy, strategic planning and performance, risk and internal controls, audits, and scientific integrity. These programs are integral to advancing BSEE's mission of promoting safety, protecting the environment, and conserving resources offshore.

This position provides an excellent opportunity to work with BSEE leadership, DOI senior policy contacts, and staff from across the Department's bureaus with a focus on safety and protection of the marine environment. The location within OPAA ensures that the Fellow will gain an enterprise-level view of the bureau and how it operates. The duty station will be in Washington, DC or Sterling, VA, which will be determined in discussion with the Fellow.

Job Responsibilities: A major focus of this fellowship will be to serve as BSEE's Peer Review Coordinator and support BSEE's implementation of its scientific integrity program. The Fellow will coordinate with BSEE's research programs on the requirements for peer review and oversee the bureau's compliance with OMB's peer review policies. In addition, the Fellow will develop outreach materials on BSEE's scientific integrity program and conduct information sessions with staff in BSEE's local and regional offices, as well as work with other Department of the Interior offices and bureaus. Additional activities may include supporting policy development for key bureau programs, as well as assessing bureau progress in implementing its strategic plan. BSEE will work with the ideal candidate to design a unique developmental assignment.

Duties: Fellow will provide technical support and guidance through work with bureau staff, senior analysts, and policy specialists. Duties will include:

- Serving as the Bureau's Peer Review Coordinator
- Creating outreach materials and conducting information sessions on the bureau's scientific integrity program
- Supporting and coordinating the development of bureau policies on programmatic matters;
- Participating in the analysis of data on the bureau and industry's environmental and safety performance;
- Supporting implementation of annual bureau initiatives that support the achievement of the bureau's strategic goals

Expertise Desired

Mandatory Skills: strong communication (verbal and written) analytical, and organizational skills; proven ability to lead and work well with others; innovative self-starter with an ability to keep a project on schedule.

Desired Background Skills: Science, policy, and/or project management background with an interest in marine or energy policy or information analysis would be ideal. Experience with scientific integrity and/or peer review programs is preferred.

Travel within DC (days per month)

1-5 days per month

Travel outside DC (days per month)

1-5 days per month

Accepts Foreign Nationals

No

Position ID

E20-47

Position Title

Environmental Scientist/Scientific Information Analyst

Agency

National Oceanic & Atmospheric Administration

Office

National Ocean Service - NCCOS - Monitoring & Assessment Branch

Portfolio Summary

The National Oceanic and Atmospheric Administration's National Centers for Coastal Ocean Science (NCCOS), Stressor Detection and Impacts (SDI) Division is a nationally recognized interdisciplinary federal research agency focused on conducting research, monitoring, and assessment of coastal and Great Lakes systems. The SDI Division is comprised of five branches with staff located in the NCCOS facilities in Silver Spring, MD; Charleston, SC; and Beaufort, NC. SDI develops information and baseline condition of environmental stressors through research, monitoring, and assessment, focusing on chemical contaminants, nutrients, pathogens, and harmful algal blooms. On an annual basis, the SDI Division conducts a wide and diverse range of projects, from one-year pilot studies, to long-standing annual surveys like the National Status and Trends (NS&T) Programs led by the Division's Monitoring & Assessment Branch (MAB) located in Silver Spring, MD.

Environmental quality indicators provide resource managers with information to assess coastal habitat conditions, and make science-based resource management decisions. Through NS&T, the Monitoring & Assessment Branch provides long-term environmental monitoring and assessment data on chemical, physical and biological indicators via its two flagship programs: Mussel Watch, and Bioeffect Assessment programs. Mussel Watch is the longest running continuous contaminant monitoring program of its kind in the nation. Mussel Watch monitors the concentration of contaminants in bivalve mollusks (mussels and oysters) and sediments in the coastal marine and Great Lakes waters of the U.S. to monitor bivalve health and by extension the health of their local and regional environment. The Bioeffect Assessments Program provides in-depth, place-based assessments of the relationship between sediment contamination, toxicity and benthic macroinvertebrate community structure to address the impacts from coastal contamination levels on natural resources important to the public.

Since 1986, these programs have produced a significant amount of high quality data and information ranging from sediment and bivalve contaminant concentrations and toxicity, community structure and health, and most recently, bioeffects and stress detection information derived from molecular biomarkers. In order for these datasets to be useful in decision and policy-making, MAB scientists carefully provide data quality control and assurance, integrate other relevant data sources, provide contextual assessments of the information, and deliver the results through NOAA Technical Reports, and peer reviewed publications.

Expertise Desired

We are looking for the next iteration to the data management paradigm, whereby our in-house data collections will be integrated using state-of-the-art database frameworks that will facilitate the implementation of machine learning tools and artificial intelligence approaches to enhance the context, relevance and applicability of the information NOAA provides to its stakeholders. Moreover, we seek to build efficiencies of access and integration of data resources outside of SDI that enhance and strengthen our data interpretation and predictive modeling capabilities to further improve our environmental stewardship. This new paradigm will allow for our data to be used efficiently and broadly, and in concert with other data sources increase its utility and appeal to meet policy and decision-making needs and requirements of national and international scales, and address objectives outside the mission of our organization.

A Knauss fellow would be a full member of the NOAA's Monitoring & Assessment Branch staff and work on projects of interest in which the fellow would function as lead staff or part of a team. Opportunities to visit regional laboratories/offices, attend/hold meetings, and work on their thesis/dissertation would also be available.

In the coming year, the M&A Branch will be working on several actions, including:

- Design and execution of spatial contaminant prediction Machine Learning models;
- Develop new Mussel Watch and Bioeffect Assessment Program products that synthesize decades of data from multiple long-term programs;
- Work with the data (its management and analysis), including chemical contaminant concentrations in biota, water, and passive integrative water samplers, and biological health data e.g. metabolomics;
- Assist other NCCOS users in the use and assimilation of these new data paradigms.

From this experience a Knauss fellow can expect to gain:

- An in-depth knowledge of contaminant and toxicological assessments with relevance to Great Lakes, marine, and estuarine environs nationally, and its policy and decision-making uses;
- Practical experience in summarizing chemicals in biological data for oral and written presentations;
- Practical experience in managing logistical challenges in the execution of complex field studies;
- Contacts with other NOAA offices/regions/centers including those concerned with management and policy implications.

We are looking for someone who can have fun working in a team environment and a willingness to learn! Ideally, we'd like someone with a few of the following: a background in environmental science, chemistry, toxicology, or fisheries, well-developed analytical abilities, a solid grasp on statistics, a propensity for critical thinking, and clear communication skills.

Travel within DC (days per month)

1-3 Days/Month

Travel outside DC (days per month)

1-3 Days/Month

Accepts Foreign Nationals

Yes

Position ID

E20-48

Position Title

Sea Grant Partnership Specialist

Agency

NOAA

Office

National Sea Grant Office

Portfolio Summary

The Sea Grant Partnership Specialist will join a dynamic team in the National Sea Grant Office (NSGO) that supports a network of 34 Sea Grant Programs in coastal and Great Lakes states and territories, as well as numerous national and state based fellowship programs. As a unique federal-university partnership program, Sea Grant works as a network of university-based scientists and outreach specialists located within the coastal communities they assist.

As the Partnership Specialist, you will be assessing current partnerships, analyzing information to inform future partnerships, and assisting the Deputy Director to create new partnerships. The specialist will also explore, engage, and then propose a design for connecting Sea Grant fellowship alumni, which Sea Grant envisions as a promising mechanism for engaging partners through our large alumni network. During this fellowship experience, the project subject matter will be as diverse as Sea Grant's work. All projects will involve gathering information, condensing and summarizing information based on audience needs and product goals, developing products to highlight the information, delivering effective products, and tracking impact. Assignments may include interviewing fellowship alumni, Sea Grant program staff, NOAA and executive branch leadership, federal and non-federal partners, community leaders, and the general public to inform future partnerships, as well as the design of a way to connect Sea Grant fellowship alumni.

This fellowship experience will allow the Partnership Specialist to gain a broad understanding of how entities work together for coastal communities while maintaining their important distinctions. The Partnership Specialist will gain exposure to the day-to-day activities of a NOAA national program office, which, depending on their area of expertise and interests, may include work on budget proposals, taskers, reporting requirements, briefings, and communications. The National Sea Grant Office is an interesting office environment with a highly experienced staff that is always eager to lend a hand.

Expertise Desired

This position requires someone who wants to work with teams and has the desire to listen, analyze, and network with individuals across the Federal Government, academia, and Sea Grant fellowship alumni (including the Knauss fellowship).

Excellent written and verbal communication and creative problem-solving skills are also valued. The Fellow must be a self-starter with strong interpersonal and organizational abilities and be comfortable interacting with high-level officials; other federal and state partners; Sea Grant university-based

researchers, extension staff, educators, and communicators; and fellowship alumni. This position does not require any specific topical expertise.

Travel within DC (days per month)

3-8

Travel outside DC (days per month)

1-3

Accepts Foreign Nationals

Yes

Position ID

E20-49

Position Title

IOOS Science and Technology Fellow

Agency

NOAA

Office

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

Portfolio Summary

Join the IOOS Office in the National Ocean Service as we celebrate our 20th anniversary since the initial IOOS office was created. The fellow will support the IOOS Director and Deputy in several cross NOAA and interagency priority areas as well as travel to conferences and IOOS Regional Association annual 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.
- Coordinating IOOS office planning for a series of IOOS and Ocean and Atmospheric Research Labs and Cooperative Institute Workshops on research and innovation to improve IOOS operations
- Building best strategy to implement 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.

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

Travel within DC (days per month)

3

Travel outside DC (days per month)

Up to 3 days every other month

Accepts Foreign Nationals

No

Position ID

E20-50

Position Title

Protected Resources Program Fellow

Agency

NOAA

Office

Office of Protected Resources

Portfolio Summary

The Office of Protected Resources Program Fellow will sit at the center of the complex and important transfer of information that exists between research and management. The Office of Protected Resources works with NOAA Fisheries' Regions and Science Centers to recover and conserve marine and anadromous species protected under the Endangered Species Act (ESA) and the Marine Mammal Protection Act (MMPA). This fellowship experience will allow the Protected Resources Program Fellow to gain a broad understanding of how these many entities work together and develop guidance communications documents to support our mission to conserve and recover protected species.

The fellow will work directly with the Deputy Office Director and closely with senior management and communications teams as well as with other NOAA staff and partners. Under the direction of the Deputy Office Director, the fellow will support the office in developing office-wide strategic initiatives, guidance documents, and internal and external communications. The fellow will gain experience working on high-level issues related to protected species management.

The Protected Resources Program Fellow will use their science-based foundation to gain experience drilling down complex messages into a variety of formats to reach many audiences, including NOAA and executive branch leadership, Congress, federal and non-federal partners, community leaders, and the general public. Projects will involve gathering information, condensing and summarizing information based on audience needs and product goals, developing products to highlight the information, delivering effective communication products, and tracking impact.

Assignments may include:

- Directly supporting the Deputy Director with special projects related to management and policy initiatives.
- Interviewing NOAA Fisheries protected resources scientists and managers about their challenges, and then using the interviews for guidance documents and support products;
- Researching and developing recommendations to solve programmatic and communication issues to conserve marine mammals and recover threatened and endangered species;
- Preparing guidance documents and communication materials highlighting both the work of the Office of Protected Resources and that of our partners;
- Preparing briefing papers and other materials that support visibility and awareness about protected species for media calls and Congressional briefings.

All of these responsibilities will involve working closely with NOAA Fisheries headquarters staff and regional staff, both within the Protected Resources Program area as well as communications program areas.

Expertise Desired

The Protected Resources Program Fellow should have the ability to think and work across disciplines and issues. Excellent written and verbal communication and creative problem-solving skills are also valued. Specific projects will vary depending upon expertise of the Fellow and the high priority needs of the office. In general, the Fellow should have a background in biology/animal sciences, communication, or policy. The Fellow should have excellent writing skills; good oral communication skills; and be well suited to working in a team environment in unpredictable, fast-paced programs.

Travel within DC (days per month)

1-2 days

Travel outside DC (days per month)

0-1 days

Accepts Foreign Nationals

Yes

Position ID

E20-51

Position Title

Habitat Restoration Specialist

Agency

NOAA

Office

Office of Habitat Conservation

Portfolio Summary

This position is based in NOAA's National Marine Fisheries Service (NMFS), Office of Habitat Conservation (OHC), Restoration Center (RC), Deepwater Horizon (DWH) Program. One of the key mandates of the NOAA Restoration Center is to implement habitat restoration projects that benefit the recovery of listed species and contribute to building sustainable fisheries. As part of this mission, the NOAA Restoration Center's Deepwater Horizon Program restores habitat and living coastal and marine resources injured during the Deepwater Horizon oil spill. It also evaluates restoration efforts at multiple scales to adaptively manage outcomes, and monitors for restoration success. The Deepwater Horizon Program works across NOAA offices and with state agency partners and NGOs to implement restoration that contributes to our vision of a sustainable, healthy, and restored Gulf of Mexico ecosystem that supports vibrant and resilient communities.

Under the 2016 settlement with BP, the Deepwater Horizon Trustees have been allocated up to \$8.8 billion to restore habitats and living coastal and marine resources that were injured by the 2010 oil spill in the Gulf of Mexico. As a Deepwater Horizon Program fellow you will have the opportunity to make a meaningful contribution to the largest ecosystem restoration effort in U.S. history. You will serve as a Habitat Restoration Specialist, reporting to the Monitoring and Adaptive Management Team Lead and the Deepwater Horizon Program Manager. As a fully-integrated member of NOAA's Deepwater Horizon Monitoring and Adaptive Management Team, you will assist with the development of monitoring and evaluation strategies for large-scale restoration and the development and implementation of adaptive management processes. Depending on your interest, experience, and fellowship objectives, there may also be opportunities to contribute to other aspects of Deepwater Horizon restoration planning and implementation.

Specific focus areas for this Fellowship position will include:

- Developing approaches for evaluating restoration outcomes within the northern Gulf of Mexico, with a focus on how coastal and nearshore habitat restoration contributes to restoration of the northern Gulf of Mexico ecosystem
- Helping lead development of a strategy for assessing the benefits of nearshore and coastal habitat restoration projects for fish and invertebrate species injured by the Deepwater Horizon spill, including assessing the benefits of specific restoration project design features
- Collaborating with other state and Federal resource agencies to develop monitoring and evaluation approaches for Deepwater Horizon restoration at multiple scales and to support the development and execution of adaptive management decision-making processes

- Guiding the development of monitoring efforts for restoration projects and key regional resources (e.g., fish, marine mammals, sea turtles, oysters)
- Working with project managers and project planning teams to develop monitoring and adaptive management plans for specific restoration projects
- Briefing OHC and RC senior leadership and supporting the RC's work with other NOAA offices, particularly the NMFS offices of protected resources and sustainable fisheries, Southeast Fisheries Science Center, and the National Center for Coastal Ocean Science (NCCOS).

You can expect:

- Contact with NOAA's leadership, programmatic experts, and regional personnel
- The opportunity to establish nationwide contacts with experts in habitat and fisheries sciences, pursue program related interests, develop new skills, and become familiar with coastal habitat and marine restoration planning, management, and implementation processes;
- To gain insight into habitat restoration programs and relevant policy issues including strategic planning;
- Flexibility for the fellow to take on additional projects to gain relevant experience (e.g., previous fellows served as grant proposal reviewers, assisted in strategic planning, helped evaluate monitoring in restoration projects, and helped facilitate internal communications);
- To build an awareness of broader NOAA missions across line offices and interact with internal NOAA partners.

Expertise Desired

An ideal candidate will be an individual with a fisheries or ecology background interested in applying those skills to advancing coastal and marine habitat restoration. Ability to communicate concisely both verbally and in writing. Strong interpersonal, organizational, and creative problem solving skills. The ability to take initiative and work independently, applying good time management skills within and often fast-paced program. General understanding of coastal ecology, fisheries management and science, or habitat restoration and science. Interest in program management, public-private partnerships, and ecosystem science. Knowledge of, or experience in, partnership building, on the ground conservation, or project management is highly desired.

Travel within DC (days per month)

Infrequent - 0-5 days

Travel outside DC (days per month)

Infrequent - 0-5 days

Accepts Foreign Nationals

I don't know

Position ID

E20-52

Position Title

Data Policy Fellow

Agency

NOAA

Office

OCIO/Chief Data Officer Program

Portfolio Summary

The position will focus on exploring options for implementing Federal data strategies to improve data dissemination, reduce agency costs, and increase the Nation's return on investment in NOAA's data. The Fellow will report directly to the Chief Data Officer (CDO), Dr. Ed Kearns, and will work with CDO staff, as well as staff from all NOAA Line Offices, private industry, and NOAA Leadership to ensure that the operational Big Data Project is in alignment with the Federal Data Strategy and OMB & DOC guidance. This will touch on policy, budget, procurement, and legal implications, and will provide a unique and overarching view of the agency. The Fellow will be expected to provide both strategic and tactical analysis, engage scientific, procurement, and data experts across the agency, as well as private industry, and participate in related meetings with NOAA Leadership. The Fellow does not need a technical background; instead, strong written and oral communications, including the ability to speak in front of small or large groups, is desired, along with the ability to work as part of a team.

Expertise Desired

- Excellent interpersonal skills, including the ability to speak in front of small and large groups;
- Ability to thrive in a fast-paced, highly collaborative, and dynamic developmental atmosphere;
- Strong written and oral communication skills;
- Demonstrated organizational skills and attention to detail; and
- Interest and passion for NOAA's missions and the benefit they provide to the Nation.
- A background in data analytics may be helpful, but is not required or necessary.

Travel within DC (days per month)

7-10/mo

Travel outside DC (days per month)

5/month 5-6x/yr

Accepts Foreign Nationals

I don't know

Position ID

E20-53

Position Title

NOAA Aquaculture Education Coordinator

Agency

NOAA

Office

Office of Education

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 offices both in the Department of Commerce building in downtown Washington, D.C and in the main NOAA campus in Silver Spring, MD, 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 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.

While this position is fairly well defined, because OEd is a relatively small office with a broad charge, the incoming Knauss fellow will also have the opportunity to experience a wide range of projects and gain additional experience on topics aligned with their interest.

Aquaculture is a major NOAA priority, and education can play a major role in increasing public understanding and appreciation of this practice as: 1) a source of domestically produced, safe, and sustainable seafood; 2) a tool for conservation and restoration of coastal and marine ecosystems; and 3) a catalyst for local economic development. The Office of Education is already working to improve aquaculture education with external partners, a network of 27 aquariums called the Coastal Ecosystem Learning Centers (CELC). There are also innovative aquaculture education efforts happening across NOAA, but there is a need to better coordinate and align such efforts. Office of Education, in partnership with NOAA's Office of Aquaculture and the National Sea Grant Office seeks a Knauss Fellow to coordinate aquaculture education efforts across the agency.

OEd, in partnership with NOAA's Office of Aquaculture and the National Sea Grant Office, seeks a Sea Grant fellow to fulfill the position of Aquaculture Education Coordinator in the Silver Spring, MD office. Under the leadership of Office of Education, the fellow will work closely with the Office of Aquaculture and Sea Grant to document, coordinate, and strengthen aquaculture education efforts across the agency. Tasks to support these efforts include:

- Conduct an inventory to document and categorize current aquaculture education efforts across all NOAA Line Offices.
- Conduct a gap analysis of the information collected to guide future efforts.
- Convene regular meetings with NOAA's Aquaculture Education Advisory Group (with representation from Office of Aquaculture, National Sea Grant Office, National Centers for Coastal Ocean Science, and Office of Education) to provide progress reports and seek guidance and advice, as needed.

- Plan and convene a workshop for NOAA educators involved in aquaculture education efforts across the agency.
- Work with the CELC Network Coordinator to ensure meaningful coordination on aquaculture education efforts among NOAA and external partners. This includes finding connectivity between NOAA's and work by CELC aquariums' communications efforts and leveraging their products and work.

The fellow will also have the opportunity to explore additional projects of interest in Office of Aquaculture, National Sea Grant Office, and the National Centers for Coastal Ocean Sciences (NCCOS) that align with their interests and expertise. These opportunities may include:

- Working with the National Sea Grant Office on administering aquaculture grants and projects; developing partnerships related to aquaculture; developing briefing materials related to aquaculture, etc.
- Working with Office of Aquaculture to develop messaging, assist in communication and outreach efforts, etc.
- Develop new aquaculture education materials based on NCCOS' new Ocean Reports website.
- Attend and present findings in appropriate national conferences.

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 or enthusiasm in education
- Experience in translating science and policy for general audiences
- Knowledge of, or prior involvement with, environmental or science education programs
- Knowledge of, or prior involvement with aquaculture

Travel within DC (days per month)

3-6

Travel outside DC (days per month)

1-3

Accepts Foreign Nationals

Yes

Position ID

E20-54

Position Title

Congressional Affairs Specialist

Agency

NOAA

Office

Congressional Analysis and Relations Division

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. FCA works to ensure effective representation of OAR's research, programs, roles, policies, and interests in congressional materials delivered to Congress. FCA 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 ensuing proper review of GAO documents and responses to GAO recommendations. As a member of the FCA, 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.

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

Travel within DC (days per month)

Travel outside DC (days per month)

Accepts Foreign Nationals

Yes

Position ID

E20-55

Position Title

Chief Innovation Officer

Agency

NOAA

Office

Climate Program Office

Portfolio Summary

NOAA's Climate Program Office (CPO), located in Silver Spring, MD, is a leading research funding organization focused on climate science, observing, modeling, adaptation, and resilience issues. The office funds approximately \$50 million in highly interdisciplinary competitive research projects per year working across NOAA, with other federal agencies, and with the academic community; supports the National Climate Assessment for NOAA; and has a significant communications and education portfolio including operating climate.gov. Major research areas for the office are targeting advances in fundamental climate science as well as focused research efforts to address major climate risk areas: coastal inundation, marine ecosystems, heat and health, and water resources including drought and flooding.

The Modeling, Analysis, Predictions, and Projections (MAPP) program in CPO is seeking a Sea Grant Knauss Fellow to fill the position of Innovation Officer in the Silver Spring, MD office. The Fellow will have a wide-ranging portfolio with the opportunity to work as an integral member of the MAPP and CPO teams, but also to take leadership on a significant Fellow-led effort to develop an innovation plan for MAPP that may ultimately be used more broadly throughout CPO and NOAA. This position will provide the Fellow with broad exposure to climate science, competitive funding programs, NOAA laboratories and cooperative institutes, all of the NOAA line offices, the 12 other federal agencies participating in the U.S. Global Change Research Program, and the academic community.

The Fellow will work with MAPP and CPO staff to develop and deliver an innovation plan over the course of the fellowship. The innovation plan is intended to provide implementable recommendations regarding MAPP's funding strategy, which is currently focused on traditional awards through CPO's annual competitive funding opportunity. We are interested in how we might innovate different styles of funding and supporting research, such as prize competitions, starter/seed funding for proof-of-concept work, or other approaches the Fellow explores and develops. Developing this plan will require the Fellow to look broadly at the scope of domestic and international funding approaches, literature on funding models, and novel ideas regarding funding approaches to maximize the outcomes of MAPP's funding and also address and improve funding recipients' experience of the competitive process. The Fellow will also work on day-to-day operations of the MAPP program including communications and outreach activities and will have the opportunity to be involved in and contribute to the program's execution. We are interested in other activities the Fellow is interested in pursuing according to the Fellow's expertise and passions.

There will be opportunities for the Fellow to travel, present, and participate in intra- and inter-agency activities. This position will enable the Fellow significant opportunities to network across NOAA, the federal government, and academia as part of a diverse funding program.

Expertise Desired

The Fellow should have a strong interest in some or all of the following topics: climate science; climate projections; climate modeling; and the impact of climate on marine and freshwater ecosystems, coastal inundation, drought, flooding, and extreme weather. Expertise with these topics is a plus, but not required. Because this position will involve some significant ownership of the work product by the Fellow, independent work and planning skills are required, in addition to a strong curiosity drive, investigative disposition, and creative approach. The Fellow will need to have strong interpersonal and organizational skills, and a desire to work with a broad and diverse set of individuals including scientists, program managers, lawyers, and policy makers. Some of the Fellow's activities will involve writing and presenting, so strong written and oral communication skills are desired.

Travel within DC (days per month)

3

Travel outside DC (days per month)

As per Fellow's interest

Accepts Foreign Nationals

I don't know

Position ID

E20-56

Position Title

Habitat Science and Policy Analyst

Agency

NOAA

Office

Office of Habitat Conservation/Restoration Center

Portfolio Summary

NOAA's Restoration Center restores coastal and riverine habitats to sustain commercial and recreational fish populations and recover threatened and endangered species. Our habitat restoration work helps local communities as well. Restored coastal habitats provide clean water, support local economies and tourism, and protect coastal communities from storms. The Restoration Center accomplishes our work by providing both technical assistance and funding to prioritize, design, implement and monitor on-the-ground habitat restoration actions. We partner with federal, state, local and tribal governments as well as non-governmental organizations and communities. Restoration Center technical staff also plan, implement and monitor restoration actions that compensate the public for lost natural resources from oil spills and contaminant releases. As national leaders in coastal habitat restoration, we strive to use sound science and analyses to understand the collective impact of our actions towards improving the health of coastal ecosystems for fisheries and communities.

The Restoration Center's technical support is one of our office's greatest assets; however, we are working to develop clearer measures to assess the value and impact that our technical support provides to coastal habitats, fisheries and communities. A key responsibility of this position will be to develop methods to quantify and communicate the impact of our technical assistance drawing on an understanding of habitat and fisheries science as well as policy and communications. The objectives of this position are to 1) assess the depth and breadth of our technical assistance and how those relate to specific habitat restoration goals, 2) identify methods used by other organizations to calculate benefits from technical assistance, 3) recommend methods for how the Restoration Center should assess the impact of technical assistance to support decision making and 4) develop a communications plan for key messages related to the impact of our technical assistance for coastal habitats and communities.

The Knauss fellow will also have the opportunity to support other efforts and projects as they relate to the fellow's background and interests. These may include synthesizing monitoring results to communicate the ecological benefits of Restoration Center actions for target species or habitats, supporting socio-economic evaluations of habitat restoration, supporting strategic planning across the Restoration Center's different programs, participating in restoration project selection, and helping to develop communications materials for various internal and external audiences.

You can expect:

- Contact with NOAA’s senior leadership, programmatic experts, and regional personnel (Northeast/Great Lakes, Southeast/Caribbean, Southwest/Pacific Islands, and Northwest/Alaska regional offices);
- Contact with Restoration Center partners including other agencies, non-governmental organizations and local communities.
- Be the lead on developing a strategy to assess the value and impact of technical assistance for habitat restoration;
- Establish nationwide contacts, pursue program related interests, develop new skills, and become familiar with coastal habitat restoration planning, management, and implementation processes;
- Gain insight to habitat restoration programs and relevant policy issues including strategic planning; and
- Flexibility for the fellow to take on additional projects to gain relevant experience (e.g., previous fellow served as a grant proposal reviewer, assisted in strategic planning, helped evaluate monitoring in restoration projects, and helped facilitate internal communications).

Expertise Desired

Required Skills

1. Strong interpersonal, communication, and coordination skills.
2. Strong organizational and creative problem solving skills.
3. Strong initiative, independence, and task management skills.
4. Understanding of coastal ecology, fisheries management and science, or habitat restoration and science. Interest in program management, strategic planning and partnerships.

Desired Skills

An ideal candidate will be an individual with an environmental policy and science background interested in applying those skills to advancing coastal and marine habitat conservation. Knowledge of, or experience in, strategic planning, partnership building, on the ground conservation, or program management is highly desired. Ability to communicate concisely both verbally and in writing is also a plus.

Travel within DC (days per month)

1

Travel outside DC (days per month)

Infrequent

Accepts Foreign Nationals

I don't know

Position ID

E20-57

Position Title

Policy Analyst and Innovation Specialist

Agency

NOAA National Weather Service

Office

Office of Organizational Excellence

Portfolio Summary

The Office of Organizational Excellence (OOE) is at the heart of the National Weather Service (NWS) Headquarters - it's a unique function directly supporting the Director, Deputy Director and senior leadership of NOAA's Weather Service (NWS). OOE develops long-term strategies for the NWS in light of internal and external forces that continuously drive change. We help manage the way the organization operates and relates to itself and others, including processes to make decisions and manage change, evaluating NWS culture, and building relationships with the private sector and academia. The fellow will function as a specialist focusing on best practices, new ideas, and policies that ensure the National Weather Service operates at the highest level of effectiveness. This will include providing analytical and advisory support to improve organizational excellence and innovation within the NWS. The fellow will have the unique opportunity to work at the intersection of science, technology, policy, and economics by recommending improvements to the research to operations process and codifying those changes in our NWS Governance. Fellows will have the opportunity to visit NWS offices across the country to conduct interviews and gather information, and may publish in the scientific literature on research to operations and the impact of NWS's products and services on society. Specifically, the fellow will:

- Analyze and evaluate (on a quantitative and qualitative basis) the effectiveness of NWS policies, programs, processes, and operations to enable innovation and research to operations, including innovations developed at NWS field offices

- Research, evaluate, and pilot new processes and mechanisms to foster innovation, including prize competitions, crowdsourcing, and cloud-based virtual laboratories

- Lead activities to foster a culture of innovation at the NWS

- Build partnerships with innovative companies and academic institutions to help NWS adopt external ideas

- Strengthen relationships with the NWS Office of Oceanic and Atmospheric Research to improve the research to operations process.

- Lead the review and update of other critical governance-related processes at the NWS, including processes for organizational change

A primary goal of this assignment is to develop recommendations for improving NWS's research to operations and innovation processes through best practice research and leading pilot projects. The assignment will require working directly with researchers and NWS operational offices developing new science and technologies, as well as with NWS Headquarters offices that manage budget and organizational priorities. The fellow will also explore new relationships with private sector and academic

partners to spur innovation at the NWS. Finally, the fellow will work directly with NWS senior leadership to make recommendations and garner approval of those recommendations. Overall, there is flexibility and opportunity to define the fellow's duties in such a way as to capitalize on her/his knowledge, experiences, and interests. The fellow will be expected to execute assignments with creativity, skill, and independence.

Expertise Desired

We are looking for a creative, passionate, data- and results-driven individual that can apply technical and policy knowledge to advance weather, water, and climate prediction and the delivery of NWS products and services to the Nation. Applicants should have a sincere interest in helping to improve research to operations processes and the development of innovative partnerships with the private sector and academia. Fellows with training or experience in problem solving, environmental policy, organizational and process development, innovative / interdisciplinary approaches, and stakeholder engagement / partnership building are encouraged to apply.

Preferred working styles include:

- Self-starter
- Team player
- Data- and results-driven
- Strong communication skills
- Strong organizational abilities

The candidate's interest, motivation, and ability to adapt to and participate in a broad suite of activities are more important than an exact educational track or specific experience.

Travel within DC (days per month)

2-5

Travel outside DC (days per month)

2-5

Accepts Foreign Nationals

Yes

Position ID

E20-58

Position Title

Strategy and Performance Analyst

Agency

NOAA

Office

Office of the Chief Financial Officer

Portfolio Summary

At the National Environmental Satellite, Data, and Information Service (NESDIS), we operate a fleet of environmental satellites that provide critical observations of the Earth and space. Our data products support NOAA's mission and drive science throughout the environmental community.

We are looking for a fellow to join a dynamic team that works across the enterprise to map strategic priorities of the organization, and develop the operating plans to tactically achieve those goals. This team, called the Strategy, Evaluation, and Performance (STEP) team, is on the forefront of implementing new processes during a time of exciting transformational change in satellite technology and architecture.

In this office, the fellow can expect to interact with leadership across the NESDIS organization, work with programs to plan and compile information regarding satellite development, operations, products, and services, and assist with the coordination of at least two, large multi-day meetings. The fellow will also be involved with collecting requirements from users, such as the National Weather Service and National Ocean Service, and learn about important partnerships with NASA and international environment and space organizations. No prior knowledge of satellites or these processes is required; the fellow will be supported by a team and learn within the organization.

Expertise Desired

1. Strong writing and editing skills to revise program information into clear, non-technical text; attention to detail, accuracy, and consistency of message
2. Strong communication skills and interpersonal skills
3. Ability to work in a team and practice give-and-take as needed with workloads and assignments
4. Ability to monitor and meet deadlines
5. An interest in working at the intersection of science, policy, and budget
6. An interest in learning about satellite development and operations, climate, weather and oceans data and products, and the value of these services to the public

Travel within DC (days per month)

2

Travel outside DC (days per month)

0-1

Accepts Foreign Nationals

No

Position ID

E20-59

Position Title

Marine Science Outreach and Engagement Specialist

Agency

Department of Energy

Office

Water Power Technologies Office

Portfolio Summary**Background on the Office**

Marine and hydrokinetic technologies (MHK) harness renewable, carbon-free energy from the power of waves, tides, ocean currents, and ocean thermal energy. These technologies are still at very early stages of development, and are just beginning to be demonstrated and commercially deployed in a few countries around the world. The MHK Team within the Water Power Technologies Office directly funds a broad range of science and new R&D to develop and test these technologies in environmentally-sound and cost-effective ways. As a member of the MHK Team (roughly 20-30 people, most in D.C), Fellows will have the unique opportunity to work at the intersection of marine science, instrumentation, policy, economics, environmental sustainability, stakeholder engagement and renewable energy. Energy policy and rapidly developing new technologies are key determinants of marine environmental policy; through engagement on issues related to renewable energy deployment in coastal waters, fellows can expect to actively affect a wide variety of issues critical to environmental policy in the oceans.

Fellows also will be afforded the opportunity to work on emerging marine policy issues, particularly concepts and opportunities associated with an emerging interagency focus on new opportunities and continued growth across the "Blue Economy". In 2019, the Water Power Office launched its own new, related initiative, "Powering the Blue Economy, focused on exploring how energy system innovation could enable growth in sustainable ocean industries and contribute to coastal community resilience. As part of this initiative, two new Prize competitions have also been announced/launched in 2019 and will be running throughout 2020: the 'Waves to Water' wave-powered desalination technology demonstration challenge; and the 'Ocean Observations Prize', a DOE-NOAA partnership to developed marine-energy-powered ocean monitoring technologies.

Position Overview

It's important to note that work for previous Fellows have always been tailored to the interests and experience of the individual given the breadth of work available across the Office's portfolio. Fellows are encouraged to spend a significant amount of time in 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 below.

The Fellow will work closely with both the MHK team and the Office's Stakeholder Engagement and Outreach team to translate the results of new science and communicate future opportunities and research needs to specific stakeholder groups and the general public. The Water Power Office is also initiating new work to help analyze and communicate the potential long-term value of addressing

energy limitations across a number of different maritime markets, aligned with the new Powering the Blue Economy initiative. There will be a significant number of opportunities to interact with external stakeholders that the Office will be continuing to try to build better relationships with, including ocean conservation NGOs, ocean-focused foundations, major oceanographic research institutions, and the private sectors for offshore energy, aquaculture, monitoring instrumentation, and desalination. In 2020, the Office will also be initiating several large tests and demonstrations of new wave and tidal energy devices, conducting a number of new Prize competitions, leading the publication of a major international report with a dozen other countries on potential environmental impacts of marine energy technologies, and co-hosting the largest marine energy conference in the world (the International Conference on Ocean Energy) in Washington D.C. in May of 2020. All of these activities require significant planning and coordination amongst the office's researchers, staff, political leadership, and external stakeholders. The Water Office has also recently initiated new work to support STEM education and develop and share better information about opportunities for renewable energy development in the oceans, and there would be opportunities to support these projects. Additionally, the fellow will have the opportunity gain direct project management and oversight experience (for both ongoing projects and programs still under development). The current portfolio of more than 4-dozen ongoing research projects covers the spectrum from oceanographic research and data collection to better characterize high-energy MHK 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 MHK technologies, and data synthesis and dissemination to multiple users (including federal and state regulatory agencies, policy-makers, researchers, and technology developers). The MHK Team, with an annual average appropriated research budget of roughly \$70 million, works constantly to scope new research opportunities for private companies, universities, DOE national laboratories and NGOs to address the highest priority needs for new foundational research and technology development within the nascent MHK industry. In FY 20, the WPTO expects to utilize a number of new funding mechanisms to advance program goals—prizes, clusters, hackathons, student competitions and consortia are all being considered; the Fellow will have an opportunity to help in developing these new opportunities alongside WPTO and laboratory staff. The position would report to the Program Manager for Strategic Planning and Outreach (Hoyt Battey), who reports directly to the Office Director (Alejandro Moreno). Specific responsibilities may include:

- Working in a dynamic team setting to understand key technological, ecological, regulatory and socio-economic issues and best practices for environmentally sustainable marine energy development
- Planning, drafting materials and conducting outreach in preparation for technical workshops, conferences, major publications and stakeholder meetings.
- Interacting with industry and environmental groups to determine highest priorities for future research
- Assessing proposed legislation relevant to marine renewable energy development
- Other duties as required.

Expertise Desired

The MHK Team's portfolio of activities are broad, covering a wide variety of marine science and policy areas. Previous experience in marine renewables or energy is definitely not necessary (and few of the Office's previous fellows have had any), 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.

- Background in physical oceanography, data collection, and/or modeling of waves and currents. Experience with ocean observing or monitoring technologies, IOOS, and other aspects of the "Ocean Enterprise"
- Background or interest in ocean economics, technology innovation pathways, and market analysis
- Marine mammal or fish biology, with any focus on impacts assessment, monitoring or research into potential environmental effects of human uses of the oceans to sensitive species desired
- Any relevant experience / familiarity with offshore renewable energy technologies, including offshore wind, wave energy, ocean thermal energy, tidal/current energy, or newly proposed marine bio-algal aquaculture systems
- Marine engineering or instrumentation / monitoring technology design and operation
- Policy work or experience regarding commercial/industrial uses of ocean space, including but not limited to offshore oil/gas development, offshore renewable energy development, aquaculture development, other deep-sea mining or minerals extraction, or testing of military hardware in coastal waters
- Ability to synthesize and communicate complex scientific information to various stakeholders

Travel within DC (days per month)

4-5

Travel outside DC (days per month)

1-2

Accepts Foreign Nationals

No

Position ID

E20-60

Position Title

Interagency Science and Policy Coordinator

Agency

Department of Energy

Office

Water Power Technologies Office

Portfolio Summary**Background on the Office**

Marine and hydrokinetic technologies (MHK) harness renewable, carbon-free energy from the power of waves, tides, ocean currents, and ocean thermal energy. These technologies are still at very early stages of development, and are just beginning to be demonstrated and commercially deployed in a few countries around the world. The MHK Team within the Water Power Technologies Office directly funds a broad range of science and new R&D to develop and test these technologies in environmentally-sound and cost-effective ways. As a member of the MHK Team (roughly 20-30 people, most in D.C), Fellows will have the unique opportunity to work at the intersection of marine science, instrumentation, policy, economics, environmental sustainability, stakeholder engagement and renewable energy. Energy policy and rapidly developing new technologies are key determinants of marine environmental policy; through engagement on issues related to renewable energy deployment in coastal waters, fellows can expect to actively affect a wide variety of issues critical to environmental policy in the oceans. Fellows also will be afforded the opportunity to work on emerging marine policy issues, particularly concepts and opportunities associated with an emerging interagency focus on new opportunities and continued growth across the "Blue Economy". In 2019, the Water Power Office launched its own new, related initiative, "Powering the Blue Economy, focused on exploring how energy system innovation could enable growth in sustainable ocean industries and contribute to coastal community resilience. As part of this initiative, two new Prize competitions have also been announced/launched in 2019 and will be running throughout 2020: the 'Waves to Water' wave-powered desalination technology demonstration challenge; and the 'Ocean Observations Prize', a DOE-NOAA partnership to developed marine-energy-powered ocean monitoring technologies.

Position Overview

It's important to note that work for previous Fellows have always been tailored to the interests and experience of the individual given the breadth of work available across the Office's portfolio. Fellows are encouraged to spend a significant amount of time in 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 below.

The Fellow will interact with the entire MHK team to help identify opportunities to work collaboratively with other federal agencies, and to coordinate ongoing work for existing partnered projects. The Water Office has been working closely with NOAA throughout 2019 to scope and initiate a number of different partnered projects under the new DOE Powering the Blue Economy initiative, and discussions have been

initiated with several other agencies about opportunities to work collaboratively on other similar projects in 2020. The fellow will also be responsible for interacting with other DOE offices with ocean science, technology and policy interests. These include the Wind Energy Technologies Office, (WETO), the Bio-Energy Technologies Office (BETO), the Fuel Cells Technology Office (FCTO), the Office of Science, and the Office of Oil and Natural Gas.

The Water Power Technologies Office currently serves to represent the Department of Energy on the interagency Ocean Policy Committee, co-chaired by the heads of the Council on Environmental Quality (CEQ) and the Office of Science and Technology Policy (OSTP) in the White House. The fellow will assist in managing WPTO interactions with the OPC and related groups. The fellow will also help to plan and execute quarterly meetings of the WPTO-led Federal Renewable Offshore Energy Working Group, a staff-level information sharing and advisory group for all federal agencies involved in offshore renewable energy.

Additionally, the fellow will have the opportunity gain direct project management and oversight experience (for both ongoing projects and programs still under development). The current portfolio of more than 4-dozen ongoing research projects covers the spectrum from oceanographic research and data collection to better characterize high-energy MHK 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 MHK technologies, and data synthesis and dissemination to multiple users (including federal and state regulatory agencies, policy-makers, researchers, and technology developers). The MHK Team, with an annual average appropriated research budget of roughly \$70 million, works constantly to scope new research opportunities for private companies, universities, DOE national laboratories and NGOs to address the highest priority needs for new foundational research and technology development within the nascent MHK industry. In FY 20, the WPTO expects to utilize a number of new funding mechanisms to advance program goals—prizes, clusters, hackathons, student competitions and consortia are all being considered; the Fellow will have an opportunity to help in developing these new opportunities alongside WPTO and laboratory staff. The position would report to the MHK Program Manager (Tim Ramsey) and the Program Manager for Strategic Planning and Outreach (Hoyt Battey), who both report directly to the Office Director (Alejandro Moreno). Specific responsibilities may include:

- Providing policy and program support for interagency collaboration around energy innovation in the Blue Economy, through mechanism such as the National Oceanographic Partnership Program, and the Ocean Policy Committee
- Serve as a coordinator with other DOE offices with ocean science, technology and policy equities, like the Wind Energy Technologies Office, the Bio-Energy Technologies Office, the Fuel Cells Technology Office, the Office of Science, and the Office of Oil and Natural Gas
- Providing support and analysis to the WPTO-led Federal Offshore Renewable Energy Working Group
- Developing recommendations for addressing barriers to testing and deployment of marine energy devices and work with regulatory agencies to help identify data needs and perceptions of risk that lead to permitting challenges for new technologies
- Other duties as required.

Expertise Desired

The MHK Team's portfolio of activities are broad, covering a wide variety of marine science and policy areas. Previous experience in marine renewables or energy is definitely not necessary (and few of the Office's previous fellows have had any), 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.

- Background in physical oceanography, data collection, and/or modeling of waves and currents. Experience with ocean observing or monitoring technologies, IOOS, and other aspects of the "Ocean Enterprise"
- Background or interest in ocean economics, technology innovation pathways, and market analysis
- Marine mammal or fish biology, with any focus on impacts assessment, monitoring or research into potential environmental effects of human uses of the oceans to sensitive species desired
- Any relevant experience / familiarity with offshore renewable energy technologies, including offshore wind, wave energy, ocean thermal energy, tidal/current energy, or newly proposed marine bio-algal aquaculture systems
- Marine engineering or instrumentation / monitoring technology design and operation
- Policy work or experience regarding commercial/industrial uses of ocean space, including but not limited to offshore oil/gas development, offshore renewable energy development, aquaculture development, other deep-sea mining or minerals extraction, or testing of military hardware in coastal waters
- Ability to synthesize and communicate complex scientific information to various stakeholders

Travel within DC (days per month)

4-5

Travel outside DC (days per month)

1-2

Accepts Foreign Nationals

No

Position ID

E20-61

Position Title

Marine Policy Assistant

Agency

NOAA

Office

Office of Observations

Portfolio Summary

The Office of Observations (OBS) is one of six portfolios within the National Weather Service (NWS). OBS is the primary entity responsible for collection of space, atmosphere, water, and climate observational data within NWS. Office responsibilities include development, acquisition and management of cost-effective observing technologies; hardware and software enhancements; maintenance and repairs; logistics; cost management; technical data verification; and life-cycle replacements of NWS observational platforms. The Fellow will work with the Front Office team, identifying observational system requirements and planning technical solutions. The Front Office is the focal point within OBS for portfolio and budget planning, milestone integration, and provision of internal controls. Examples of observation platforms operated and maintained by NWS OBS include: Marine Buoys, Cooperative and Automated Surface Observing Systems, Radiosondes, and NEXRAD Weather Radar. In addition to NWS-owned observation platforms, examples of observation platforms leveraged by NWS include: Voluntary Observing Ships (VOS), Satellites, Aircraft, National Mesonet Program, and partner/commercial data. The Fellow will be a full member of the Office of Observations Front Office and will work on projects of strategic interest to both the Fellow and the Office. The fellow will staff and frequently interact with the portfolio director, who also serves in the following rolls:

- Chair, Services and Forecasting Systems Program Area, Joint World Meteorological Organization (WMO)/Intergovernmental Oceanographic Commission (IOC) Technical Commission for Oceanography and Marine Meteorology (JCOMM)
- National Weather Service representative, Executive Oversight Board for the Resources and Ecosystems Sustainability, Tourist Opportunities, and Revived Economies of the Gulf States (RESTORE) Act Science Program
- Support to NWS Deputy Director on the NOAA Ocean and Coastal Council

Depending on the individual's interests, the Fellow may work on any of several projects, which are not limited to:

- Restructuring of the international JCOMM Services and Forecasting Systems Program Area in a newly reformed WMO structure
- Potential support to the WMO/IOC Joint Collaboration Board, helping design the new interface across the WMO and IOC and ocean and maritime weather related issues
- U.S. Contributions to the Tropical Pacific Observing System
- Observational needs of the National Ice Center & International Arctic Buoy Program

The Fellow will have the opportunity to provide policy advice and gain staffing experience in a range of activities that are inter-NOAA, interagency, and international in nature. The Fellow will gain exposure to other Senior Executives in the Washington DC area through meetings and direct interactions.

Expertise Desired

Background and expertise in either marine science or a related discipline would be helpful, but is not required. Excellent written and oral communication, teamwork, interpersonal, analytical, and organizational skills are essential. The Fellow must be able to work independently and translate guidance into products and actions.

Travel within DC (days per month)

One day per week

Travel outside DC (days per month)

Two weeks throughout fellowship year

Accepts Foreign Nationals

No

Position ID

E20-62

Position Title

OMC Knauss Sea Grant Fellow

Agency

U.S. Dept. of State

Office

Office of Marine Conservation

Portfolio Summary

During 2020, a Sea Grant Fellow serving as a foreign affairs officer in OES/OMC would provide professional staff support in a number of areas. Specific assignments will vary depending on the needs of the office and taking into account personal interests of the individual. The following is an illustrative list of the type of activities in which the Fellow might be involved in: Multilateral negotiations and discussions in conjunction with annual and intersessional meetings of regional fisheries management organizations and arrangements (RFMOs); bilateral meetings with key fishing nations, such as Canada, Norway, the European Union, Japan, China, and Russia; supporting ongoing negotiations and development of international guidance and criteria for assessing flag State performance; trade and environment issues, including seafood traceability, eco-labeling, the role of subsidies, and the use of market-based measures and to achieve environmental objectives; implementation of international plans of action adopted by the UN Food and Agriculture Organization (managing fishing capacity; reducing seabird bycatch in longline fisheries; managing sharks; deterring illegal, unreported, and unregulated fishing activity; and the improvement of the status and trends of reporting); and working collaboratively with other U.S. government agencies on marine debris-related issues.

Expertise Desired

No particular background is required, though knowledge of international fisheries would be a benefit. Good judgment, initiative and a collaborative style are welcome characteristics. Fellow must be able to receive a security clearance at the "secret" level (this typically precludes foreign nationals or dual citizens).

Travel within DC (days per month)

1-5

Travel outside DC (days per month)

1-5

Accepts Foreign Nationals

No