

Position ID

E17-1

Position Title

Ocean and Coastal Policy Analyst

Office Name

National Ocean Service (NOS) Headquarters, Policy & Constituent Affairs, NOAA

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 in addressing complex coastal challenges and support our engagement with Congress, the White House, other federal and state agencies, and constituents.

We are seeking a Fellow to support efforts on the future of National Ocean Policy and NOAA's Ocean and Coastal Council. The Fellow will have opportunities to organize and support activities at conferences and 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. Because of our diverse portfolio, we are open and flexible to developing a portfolio to accommodate your interests.

The National Ocean Service (NOS) is one of NOAA's major branches (called Line Offices) and houses the agency's most diverse missions and programs. 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 navigation, observing, and geographic information systems and services, including being the authoritative source for sea levels and tides.

The Policy and Constituent Affairs Division within NOS headquarters is a small, highly motivated group that supports NOS leadership on this diverse range of issues. The Policy and Constituent Affairs Division is managed by a former Sea Grant fellow, and we have former fellows on the team! We fully intend to make your fellowship year a great experience.

Expertise Desired

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

Desired Background Skills: This position provides an excellent opportunity for Fellows with a predominantly science background to get exposure to the policy arena. Fellows with either a science, policy, or legal background are welcome

Travel within DC (days per month)

Travel to meetings in the area is common and will happen several days a month if not weekly.

Travel outside DC (days per month)

Travel outside DC is not a core component. The Fellow can expect to have the opportunity to travel 2-4 times over the course of the Fellowship year.

Accepts Foreign Nationals

Yes

Position ID

E17-2

Position Title

NOAA Research - Strategic Planning and Policy Analyst

Office Name

Policy, Planning, and Evaluation, NOAA

Portfolio Summary

Broadly speaking a Fellow, selected for this post, will be a central member of the Strategic Planning team within the Office of Policy, Planning, and Evaluation (PPE) and will work across the entire Oceanic and Atmospheric Research Line Office (OAR) enterprise to support the strategic planning process at all levels of the organization. Our intent is to provide a systematic way for OAR, and all of its components, to express its vision, describe its values, articulate its mission, develop and accomplish short- and long-term goals, identify strengths and weaknesses, set goals and timelines, and track overall progress.

Specific examples of that work include: 1) Direct support for the various OAR Labs and Programs to identify local priorities, establish goals and objectives for achieving those priorities, and ensuring they align with NOAA and Dept. of Commerce plans and guidance, 2) Identifying best practices and lessons learned to inform the development of effective guidance products, program management tools, and educational materials, 3) Conducting data collection and research to identify performance trends, assess potential impacts on OAR, NOAA, and Department of Commerce (DoC) mission objectives, and proposing recommendations for improving organizations performance, 4) Conducting research and analyses to improve the transition of research and development (R&D) results to useful applications, 5) Daily and direct engagement with a wide cross-section of OAR stakeholders to represent the organization and advocate for specific positions.

Expertise Desired

It is important to note, that while OAR is primarily a Research and Development organization, the focus of the Office of Policy, Planning, and Evaluation (PPE) is on the intersection between Science and Administration. To that end, a successful Fellow should: 1) Have an interest in public administration, organizational development, and strategic planning; 2) Have some experience with qualitative research methods like survey design, interview techniques, and group facilitation; 3) Have the ability to plan corporate events like workshops, conferences, and seminars; 4) Have some experience with public speaking and effectively communicating complex, sometimes controversial, information to a diverse audiences; 5) Have well developed writing skills.

Travel within DC (days per month)

2-4 days

Travel outside DC (days per month)

2-3 times per year

Accepts Foreign Nationals

Yes

Position ID

E17-3

Position Title

NOAA Research - OAR Corporate Evaluations Fellow

Office Name

Office of Policy, Planning, and Evaluation, NOAA

Portfolio Summary

As the Oceanic and Atmospheric Research Line Office's (OAR) PPE Evaluations Fellow, you will be in on the ground floor of a major overhaul of how OAR evaluates its Programs and Federal Labs. You will have the chance to learn about what works and what doesn't in evaluating strategic and tactical success in federal ocean and atmospheric science, as well as helping shape OAR evaluations practices for years to come. You will meet and interact with federal Program Managers and Directors, Federal Lab Managers, and scientific and evaluations staff across the country. You will brief OAR-PPE Office leadership on our progress, and you will brief proposed revisions to OAR Senior leaders for support and approval. You will track evaluation outcomes, and analyze how OAR is doing in meeting its recommendations and findings. You will also have the chance to work with NOAA's other Line Office staff who regularly evaluate Program and Lab strategy and success. You will also staff the NOAA representative to the Inter-agency Working Group on Ocean Partnerships, a nearly 20 year old effort that provides federal agencies the chance to pool resources to address ocean science needs. This will entail becoming knowledgeable on the workings of the group, helping opportunities for joint NOAA work with other agencies, and tracking NOAA progress toward strategic partnership goals.

Expertise Desired

Excellent project management, organizational, and communication skills. Knowledge of or interest in evaluation practices, ideas and drivers. Interest in partner-based science approaches in an agency or academic setting Being passionate about the incredible research NOAA conducts and how it benefits our Nation. Familiarity in oceanography, meteorology, ecology and organizational management. Graduate degree in physical, chemical or biological oceanography, meteorology, marine affairs or policy. The abilities to multi-task, provide attention to detail, work as part of a team, and to meet tight deadlines are necessary for success in this position.

Travel within DC (days per month)

2-4

Travel outside DC (days per month)

2-5 trips per year

Accepts Foreign Nationals

Yes

Position ID

E17-4

Position Title

Endangered Species Program Specialist

Office Name

Office of Protected Resources, Department of Commerce

Portfolio Summary

The Office of Protected Resources (OPR) is seeking a Sea Grant Fellow to assist in various aspects of the Endangered Species Program. The fellowship will provide exposure to a wide range of Endangered Species Act (ESA) policies programs and will focus on listing species as endangered or threatened under the ESA, developing conservation plans to address state and private impacts to listed species, and implementing recovery actions for species already listed. The fellowship will include conducting reviews of the status of species to determine whether they should be listed as threatened or endangered under the ESA. In addition, the fellowship will include assisting in the development of conservation plans to address the impact of state and/or private activities on threatened and endangered species. We will provide our fellow formal training on the Endangered Species Act as well as opportunities to attend various meetings and other fora on ESA and related issues.

Expertise Desired

Must have excellent writing and analytical skills.

Travel within DC (days per month)

1-3

Travel outside DC (days per month)

1

Accepts Foreign Nationals

No

Position ID

E17-5

Position Title

Congressional Affairs Fellow

Office Name

Office of Legislative and Intergovernmental Affairs, NOAA

Portfolio Summary

When there's news about any significant coastal, ocean, or weather issue, 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 E-mails from Congressional staff. Your scientific expertise will be a starting point to join the dialogue on the hot, cutting-edge issues that drive the budget and political cycles—the impact of climate change on coastal communities, the state of marine fisheries and endangered species management, 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. 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 (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.

Travel within DC (days per month)

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

Travel outside DC (days per month)

Infrequent Days/Month

Accepts Foreign Nationals

Yes

Position ID

E17-6

Position Title

Policy and Partnership Associate

Office Name

National Climate Change and Wildlife Science Center, Department of the Interior -- USGS

Portfolio Summary

This position would support the partnership development and actionable science activities of the National Climate Change and Wildlife Science Center (NCCWSC) and Department of Interior (DOI) Climate Science Centers (CSC). Fellow would assist in expanding engagement with states, tribes, and nongovernmental partners, work on revamping the existing CSC stakeholder engagement processes to ensure effective input from management partners, and participate in a national working group to identify means to evaluate whether the science provided to managers is truly "actionable".

Expertise Desired

NCCWSC and the CSCs are heavily partnership-oriented, and the Fellow should have interest in working with multiple levels of government and on the interface between science and management / policy. Familiarity with climate change processes and an ability to comprehend scientific discussions of related issues is important, but this is not a scientific/technical position.

Travel within DC (days per month)

Ten or less

Travel outside DC (days per month)

1-2

Accepts Foreign Nationals

Yes

Position ID

E17-7

Position Title

Fishery Management Specialist

Office Name

Office of Sustainable Fisheries, Highly Migratory Species Management Division, NOAA

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/hold meetings, and work on their thesis would also be available.

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

- Fishery Management Plan amendments, including helping to finish updating essential fish habitat for all HMS;
- Rules and/or Fishery Management Plan amendments for HMS to implement recent national actions including National Standard 1, Ecosystem Based Fishery Management, Standardized Bycatch Reporting Methodology, and the New England Monument;
- Rules for various HMS and HMS issues as a result of negotiations at the International Commission for the Conservation of Atlantic Tunas annual meeting (Nov. 2016) or other issues;
- Implementation of outreach and other measures in Amendment 5b for dusky sharks;
- Continued implementation of Individual Bluefin Tuna Quota system and other bluefin tuna management measures;
- Addressing recreational and bycatch issues;
- Continuation of updating the HMS webpage (<http://www.nmfs.noaa.gov/sfa/hms/>); 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, objectives, and current issues;
- Experience in identifying and estimating the ecological and socioeconomic impacts of proposed fishery management actions;
- Understanding on 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 assessment, environmental impact statement, regulatory impact reviews, regulatory flexibility analyses) as well as publication of outreach materials (pamphlets, brochures, apps, webpage, social media).

Expertise Desired

Desired Background Skills

- 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)

<1 but depends on actions

Travel outside DC (days per month)

<2 but depends on actions

Accepts Foreign Nationals

No

Position ID

E17-8

Position Title

Policy Liaison

Office Name

Oceanographer of the Navy, U.S. 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 Director of Navy's Task Force on Climate Change, which is leading Navy's efforts to help the Navy adapt to potential climate change impacts. The Deputy/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 such as the Ocean Science and Technology Intergovernmental Policy Committee (IPC) and the Ocean Resource Management IPC of the National Ocean Council.

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 National Ocean Council, which provides the opportunity to work with high-level officials from numerous agencies. Work will likely also include participation in the Navy's Task Force on Climate Change. 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 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 fellow will likely have opportunity to work on many such cooperative issues. The Oceanographer of the Navy's main office is located at the Pentagon, but the staff has offices at the Naval Observatory as well. 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

- Willingness to learn and an ability to communicate. Position is tailored to the strengths, weaknesses and goals of the individual Fellow. Since our office works a broad range of issues for Navy, this is usually fairly easy to do. Due to the need for the fellow to obtain an interim and final security clearance, our office can only accept US citizens and cannot accept US citizens with dual citizenship.

Travel within DC (days per month)

3-6 (depending on interest)

Travel outside DC (days per month)

2-3 (depending on interest)

Accepts Foreign Nationals

No

Position ID

E17-9

Position Title

Recreational Fisheries Specialist

Office Name

Office of Sustainable Fisheries, NOAA

Portfolio Summary

Saltwater recreational anglers are NOAA Fisheries' largest single constituency. In 2014 anglers took 68 million fishing trips, generated \$61 billion in sales impacts, and supported 439,000 jobs - that's more jobs than Starbucks, Apple, and Google combined. This is your chance to help shape the future of this American pastime and industry. The Domestic Fisheries Division within the Office of Sustainable Fisheries works on national policy issues in U.S. fisheries in federal waters and on coordination of management with State partners. Within the Division, you will be a part of a dynamic small team charged with improving NOAA Fisheries' relationship with recreational anglers and addressing recreational-related policy issues. In 2015, the agency published the National Saltwater Recreational Fisheries Policy and National Implementation Plan. As a part of the RecFish team you will assist NOAA Fisheries in delivering on its commitments to recreational anglers. You may also have the opportunity to pursue additional domestic fisheries projects depending on availability.

Potential projects include:

- Play a primary role in planning and executing multiple regional recreational roundtable discussions.
- Organize and produce regional recreational update documents that highlight the importance of recreational fishing in the Council regions.
- Lead development and execution of a two-day meeting for the regional recreational coordinators across the nation.
- Assist with strategic planning and budgeting for the Recreational Fisheries Initiative.
- Participate in recreational fisheries constituent meetings and tradeshows.
- Monitor Agency progress in fulfilling the National Saltwater Recreational Fisheries Implementation Plan and produce update documents for distribution.
- Track legislation related to recreational fisheries and/or Magnuson Stevens Act re-authorization.
- Expand communication with anglers, including print materials, webinars and/or podcasts.
- Develop talking points for NOAA Fisheries leadership.

You will work on projects with staff from across NOAA Fisheries, our partners, and anglers from across the country. This position will provide opportunities to expand your understanding of fisheries management. We will work with you to find projects that hone your skill sets, while helping us address priority needs. Some domestic travel is possible, we try to get out of the office and talk to folks who spend their days on the water. We find that it is always a learning experience, and the more we know, the better fisheries managers we can be.

Expertise Desired

A team player with excellent oral and written communications skills. You should also be adaptable and have a good sense of humor. We are looking for someone who is comfortable with quick project deadlines, as well as strategic planning ability and long-term vision.

Travel within DC (days per month)

Minimal

Travel outside DC (days per month)

Possible

Accepts Foreign Nationals

Yes

Position ID

E17-10

Position Title

Navigation R&D Advisor

Office Name

Engineer Research and Development Center, U.S. Army Corps of Engineers

Portfolio Summary

This full-time 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 directly supporting Corps operational requirements, addressing topics of choice and tailored to the knowledge and skills of the Fellow. Corps programs include threatened and endangered species, wetland and habitat restoration, coastal resilience, natural and nature-based features, 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. Opportunity will be provided for travel and participation in conferences and workshops.

This position offers the opportunity to impact national R&D supporting the marine transportation system by implementing 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 Navigation and senior staff, this position will be the lead researcher on several strategic initiatives supporting the Corps of Engineers and interagency efforts on coastal resilience and the national marine transportation system.

Expertise Desired

Position requirements include the understanding and willingness to learn about Federal departmental and agency U.S. marine transportation authorities and responsibilities as they relate to national resilience, and global climate and ocean 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 and interpersonal skills.

Travel within DC (days per month)

4-7 Days/Month

Travel outside DC (days per month)

1-3 Days/Month

Accepts Foreign Nationals

No

Position ID

E17-11

Position Title

Renewable Energy Program Fellow

Office Name

Office of Renewable Energy Programs, Bureau of Ocean Energy Management

Portfolio Summary

Job Responsibilities: The Bureau of Ocean Energy Management (BOEM) is responsible for managing energy and mineral resources on the Outer Continental Shelf (OCS). BOEM's mission seeks to appropriately balance economic development, energy security, and environmental protection. BOEM's Office of Renewable Energy Programs (OREP) is responsible for ensuring that offshore renewable energy development in federal waters is conducted in a responsible and sustainable manner. BOEM currently regulates offshore wind projects in four distinct phases: planning, leasing, site assessment, and construction and operations. This is an exciting time for offshore wind in the United States, BOEM awarded 11 commercial leases for offshore wind development that could support a total of 14.6 gigawatts of capacity, the first project in US waters was completed earlier this year, and significant legislation was passed in Massachusetts securing offtake of offshore wind energy.

As a member of OREP, Fellows will have the unique opportunity to work at the intersection of science, policy and renewable energy development on the OCS. BOEM embraces a science-based decision-making framework fueled by an extensive studies program and engagement with stakeholders; Fellows can expect to play an active role in this process. The Fellow will have an opportunity to work on a variety of tasks, including:

- Assisting with the implementation of long term planning documents; such as the 2016 National Offshore Wind Strategy and the regional Ocean Action Plans.
- Contributing to OREPs Environmental Studies Program which is focused on collecting information on natural, historical and human resources to inform BOEMs decision making processes.
- Assist in the review and/or preparation of NEPA documentation for offshore wind leasing and plan approval.
- Participation in BOEM's renewable energy planning and leasing processes.
- Participation in and coordination of interagency working groups.
- Assisting the Program in responding to internal and external stakeholders issues as they arise.
- Other duties as required.

Ultimately, the position's specific duties will be tailored to the Fellow's expertise and goals. We will provide our Fellow opportunities for training on BOEM related issues and opportunities to attend various stakeholder meetings and conferences on offshore wind and federal ocean resource management issues. The position will be located in BOEM's Sterling, VA office.

Expertise Desired

Mandatory Skills: While the position is tailored to the strengths and goals of the individual Fellow, the candidate should be self-motivated, able to work in a team environment, and a strong writer.

A solid background/education related to marine policy issues, including issues related to renewable energy development on the OCS. In addition, a Fellow with strong organizational, interpersonal, and communication (both verbal and written) skills is important to the success of the position.

Travel within DC (days per month)

4-7

Travel outside DC (days per month)

1-7

Accepts Foreign Nationals

Yes

Position ID

E17-12

Position Title

Communications and Policy Analyst

Office Name

U.S. Marine Mammal Commission, U.S. 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 stature, we are on the cutting edge of marine science and conservation. We work to affect 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 Knauss Fellow who is willing to be part of our dynamic team and accept a level of responsibility equivalent to an employee. As a Fellow with the Commission, you will benefit from exposure to a broad range of issues, engage deeply in our policy and regulatory analyses, and be given the flexibility to become involved in projects of interest to you. In addition to learning 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 non-governmental 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 interactions on a global scale.

A general list of Fellow responsibilities is provided below. Final projects and responsibilities will be assigned based on your experience and interests. Some travel may be required depending on involvement in specific projects.

Support Commission's Strategic Objectives

- Assist with analyzing agency actions, such as permitting for scientific research, under the Marine Mammal Protection Act and Endangered Species Act. Develop Commission recommendations and draft comment letters.
- Serve as lead author of the Commission's quarterly electronic newsletter and develop content for the Commission's twitter account.

- Assist with managing the agency’s Arctic portfolio. This includes developing policy documents and representing the Commission at meetings with Arctic constituents. This may include travel to Alaska.
- Help organize and participate in the 2017 Commission Annual Meeting in New England. This includes managing logistics of various speakers/panels, preparing summary notes of discussions and following up on action items.
- Support Commission’s Legislative Affairs Agenda
- Attend Congressional briefings and help prepare Commission leadership and staff for interactions with Congress. Develop briefing summaries and assist with keeping track of Congressional requests and follow-ups.
- Take the lead on organizing an annual “Commission 101” with 2017 Knauss Legislative Fellows on Capitol Hill. Determine the date and venue in collaboration with Hill staff, set an agenda and provide support for other meeting logistics.
- Support the Commission’s 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.

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, article or another form of publication for dissemination to the public. 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; developing policy options to address cumulative impacts of sound on marine mammal populations; explore long-term policy strategies for saving domestic and/or foreign species (e.g., the vaquita, Cook Inlet belugas, freshwater cetaceans); exploring legal and policy options for reducing duplicative seismic testing; and developing marine mammal education and outreach materials for use in schools and educational institutions.

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 marine mammals and/or their environment is a plus.

Travel within DC (days per month)

1-3 Days Days/Month

Travel outside DC (days per month)

1-3 Days Days/Month

Accepts Foreign Nationals

Yes

Position ID

E17-13

Position Title

Marine Debris Program Fellow

Office Name

Office of Response and Restoration Marine Debris Division, NOAA

Portfolio Summary

About the NOAA Marine Debris Division: The Marine Debris Division (MDD) is part of the National Ocean Services' Office of Response and Restoration. The MDD is the U.S. federal lead for addressing marine debris. Marine debris is defined as any persistent solid material that is manufactured or processed and directly or indirectly, intentionally or unintentionally, disposed of or abandoned into the marine environment or the Great Lakes. It is a global problem, and it is an everyday problem. There are five main areas in which the program focuses: prevention, removal, research, regional coordination, and emergency response. The MDD staff work in partnership with federal, state, and local agencies, tribes, non-governmental organizations, academia, and industry.

Job Responsibilities: We are a highly dynamic program whose activities are mandated under the Marine Debris Act, signed into law in 2006 and amended in 2012. The MDD has a dedicated staff, spread throughout the country that operates within a fast paced environment. The issue of marine debris has grown in visibility in recent years which has resulted in high level attention at both the national and international scale.

The Fellow in this position will have the opportunity to coordinate and lead a variety of projects to address critical marine debris issues. The Sea Grant fellow will work closely with the Marine Debris Division Chief and other staff members on a variety of projects. This work includes support of and participation in high-level meetings on marine debris such as the Interagency Marine Debris Coordinating Committee and international groups such as the Global Partnership on Marine Litter. The fellow will assist in the implementation of the strategic initiatives of the Program such as evaluating the effectiveness of previous projects and providing recommendations to revise federal funding opportunities to prevent the introduction of new marine debris. There will be ample opportunities to participate in outreach and education activities and events and work with the Communications Team to advance messaging related to marine debris. There will be opportunities to engage with the Science Team to conduct exploratory analyses using data from the Marine Debris Monitoring and Assessment Project as well as opportunities to help update project-specific fact sheets, one-pagers, etc. and participate in field site visits. The fellow will work on Congressional activities, such as providing briefing materials, and responding to policy taskers. A major focus of the MDD in 2017 will be planning a large (600 person) international marine debris conference. The fellow will be highly engaged in these planning activities. Some travel will be required and training opportunities will be available. Training will be available in skills needed to complete any projects if the Fellow does not have them.

Expertise Desired

Outstanding writing, 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. Skilled with Excel, Word, and PowerPoint.

Travel within DC (days per month)

3-5

Travel outside DC (days per month)

1-2 days per month, more likely to have week long trips on a less frequent duration

Accepts Foreign Nationals

No

Position ID

E17-14 – duplicate position with E17-56

Position ID

E17-15

Position Title

International Affairs Fellow

Office Name

Office of International Affairs, National Oceanic and Atmospheric Administration

Portfolio Summary

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

- Contributing to the development of NOAA's international policy positions;
- Gathering and analyzing 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, Cuba, India, the European Union) and multilateral activities (e.g. United Nations, the Arctic region, the Asia-Pacific region); the Fellow can expect to participate in several of these, including by taking a lead role on some issues. In addition, the Director of International Affairs is regularly called upon to address international policy issues with a quick turnaround, and the Fellow will assist in meeting these requests by pulling together relevant information on NOAA's work, making policy recommendations, and providing written and oral briefings. OIA is also frequently called upon to support NOAA Leadership, including the Under Secretary, 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 be able to pursue issues of personal interest, work with multiple staff members in addition to office leadership, and develop new skills in a diverse field. The Fellow can expect to successfully complete the following tasks:

- Review and analyze NOAA's international policies and program activities;
- Represent NOAA in interagency meetings;
- Draft and prepare correspondence for the 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 that have a good sense of humor.

Travel within DC (days per month)

3-5

Travel outside DC (days per month)

0-7

Accepts Foreign Nationals

No

Position ID

E17-16

Position Title

Special Assistant

Office Name

Office of the Assistant Administrator, NOAA

Portfolio Summary

Job Responsibilities:

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 can expect to learn first-hand the complexities associated with operating a large science organization from the leadership level. On a day-to-day basis, the Fellow has the unique and exciting opportunity of working directly with OAR’s Assistant Administrator (AA), Deputy Assistant Administrators (DAAs), and Chief of Staff (CoS) by providing policy advice, leading briefings on a variety of science and administrative topics and staffing 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.

Some examples of activities from past fellows include:

- Supporting NOAA’s efforts towards the implementation of the National Ocean Policy
- Serving as guest editor on a NOAA special edition of the Marine Technology Society Journal
- Facilitating meetings on the U.S. Government response to major environmental disasters
- Analyzing the preservation of historic marine sites through the development of legal theories
- Participating in meetings with members of Congress on Capitol Hill
- 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
- Serving as OAR's Executive Secretariat on NOAA's Ocean and Coastal Council (NOCC), a principal advisory body to the Office of the Under Secretary

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 setting for this position is an executive office environment and the fellow can expect to contribute significantly to the day-to-day operations in addition to leading special projects that are of interest to the Fellow.

Expertise Desired

Mandatory Skills:

This fast-paced position is in a high-profile environment that requires the Fellow to be organized and flexible, manage time well, prioritize tasks, and problem solve. The Special Assistant needs to be a team-player and quickly integrate into OAR’s Front Office team.

Desired Background Skills:

Ability to recall, synthesize, analyze, and succinctly brief information on diverse subjects. The fellow should be able to grasp “big picture” concepts and demonstrate innovative and creative thinking and a willingness to broaden their horizons. Good written and communication skills overall.

Travel within DC (days per month)

3-5 days

Travel outside DC (days per month)

3-5 days

Accepts Foreign Nationals

No

Position ID

E17-17

Position Title

Program and Policy Analyst

Office Name

Office of the Assistant Administrator, NOAA

Portfolio Summary

Job Responsibilities:

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. In this role you will work closely with senior leaders in NOAA Research to support cutting-edge science that spans the broad themes of oceans and coasts, climate, and weather. You will report to the NOAA Research Chief of Staff and will work on a number of projects and activities that strengthen the organization’s capacity to achieve its objectives and operate in a way that is responsive and nimble in adapting to the fast-changing needs of the 21st century. The main purpose of this position is to develop and improve NOAA Research internal collaboration as well as collaboration with other NOAA Line Offices (NESDIS, NMFS, NOS, NWS and OMAO) and external stakeholders to advance the NOAA mission. Through this work you will gain first-hand experience in the management of a large science organization, learn how decisions are made at several levels of government (Line Office, agency, federal government, Capitol Hill), and have an opportunity to contribute to develop innovative strategies and activities that lead to operational excellence.

Expertise Desired

Mandatory Skills:

This fast-paced position is in a high-profile environment that requires the Fellow to be a team player, organized and flexible, able to manage time well, prioritize tasks, and problem solve. Excellent interpersonal and communication skills are a must. You must be adept at gathering, organizing and editing written information and working independently on short deadlines.

Desired Background Skills:

Ability to recall, synthesize, analyze, and succinctly brief information on diverse subjects. The fellow should be able to grasp “big picture” concepts and demonstrate innovative and creative thinking and a willingness to broaden their horizons.

Travel within DC (days per month)

3-5 days

Travel outside DC (days per month)

1-2 weeks per year

Accepts Foreign Nationals

No

Position ID

E17-18

Position Title

Global Ocean Observation Liaison

Office Name

Climate Observation Division, NOAA

Portfolio Summary

This position is being offered by the Climate Observation Division (COD) within NOAA's Climate Program Office (CPO, www.cpo.noaa.gov). COD supports NOAA mission-relevant atmospheric and oceanic climate observation and research activities at NOAA Laboratories, Cooperative Institutes, universities and other research institutions. COD is comprised of activities in three program areas: the Global Ocean Observation System; the Arctic Observing Network/Arctic Research Program; and Climate Monitoring.

The fellow's responsibilities will fall within the Global Ocean Observation System portfolio. The portfolio's main purpose is to support long-term, sustained global ocean observations, This includes a variety of platforms such as moorings, global drifters, buoys, Argo floats, among others. Sustaining these long-term records is vital to monitoring the climate record of the planet.

COD is looking for a fellow to work on three main projects throughout the year, The first is to assist with the preparation of materials and support the US delegation for the quadriennial meeting of the World Meteorological Organization/Intergovernmental Oceanographic Commission, Joint Technical Commission for Oceanography and Marine Meteorology (JCOMM) in October 2017. JCOMM is an intergovernmental body of technical experts that provides a mechanism for international coordination of oceanographic and marine meteorological observing, data management and services, combining the expertise, technologies and capacity building capabilities of the meteorological and oceanographic communities. The candidate will prepare materials on the state of ocean observing, progress of JCOMM towards its goals, and a work plan for the next five years. It is likely some international travel will be necessary.

The second project will be to support NOAA participation in the Tropical Pacific Observing System-2020 Project (<http://tpos2020.org/>) Resource Forum meeting in May 2017. The candidate will help develop position papers, strategic guidance, support senior NOAA leadership participation, and help as required to plan this meeting.

The final part of the fellow's portfolio will be ongoing support helping to develop, in consultation with experts across NOAA, focused communications materials (e.g. stories, briefing materials, etc.) describing the relevance of COD's observing programs to NOAA Line Offices.

This office is an experienced host of Sea Grant Fellows for several years running. It is a very supportive environment where fellows are given autonomy to complete the assigned tasks. Finalists with policy and/or scientific backgrounds including atmospheric, oceanographic or physical sciences are encouraged to apply.

Expertise Desired

- 1) Expertise in a specialty within the atmospheric, oceanic, or other geophysical sciences areas
- 2) Ability to understand and summarize oral and written scientific presentations and discussions;
- 3) Strong written and oral presentation skills

4) Strong interpersonal skills

5) Ability and willingness to work on multiple, simultaneous tasks, sometimes with short-term deadlines

6) Ability to work effectively individually and in diverse teams encompassing a variety of backgrounds and responsibilities

7) An interest in a wide range of climate-related issues (climate science, connection of climate issues to policymakers, climate information in support of climate assessment activities)

Travel within DC (days per month)

1-3

Travel outside DC (days per month)

1-3

Accepts Foreign Nationals

TBD

Position ID

E17-19

Position Title

Inland Fish, Climate, and International Biodiversity Policy Specialist

Office Name

National Climate Change and Wildlife Science Center, U.S. Geological Survey

Portfolio Summary

The Fellow will assist a team of research scientists identify how climate change may affect inland fisheries globally and assist with international biodiversity policy efforts. The Fellow will also be responsible for developing and implementing a communications and public outreach strategy for these research and technical assistance efforts.

Primary assignments include:

- Assessing the impacts of climate change on global inland fisheries
- Synthesize how climate change may affect inland fisheries on a global scale; build on a “living library” database of climate change and inland fish publications
- Assist with coordination of a global assessment of climate change on inland fisheries
- Supporting U.S. Government delegation activities on international biodiversity efforts
- Draft U.S. Government positions and interact with the U.S. Delegation international biodiversity efforts through attending the Convention on Biological Diversity Subsidiary Body on Scientific, Technical, and Technological Advice and/or the Organisation for Economic Co-operation and Development Working Party on Biodiversity, Water, and Ecosystems

Potential secondary projects to be identified by Fellow within National Climate Change and Wildlife Science Center programmatic priorities.

Expertise Desired

Mandatory Skills: Ability to work effectively in a team setting; experience or interest in climate change and aquatic systems; strong organizational skills; excellent verbal and written communication; cultural awareness and sensitivity.

Desired Skills: M.S. or Ph.D. in fisheries or aquatic sciences; coursework or job experience in climate science.

Travel within DC (days per month)

1-2 Days/Month with telework opportunities

Travel outside DC (days per month)

3-5 days per month

Accepts Foreign Nationals

Yes

Position ID

E17-20

Position Title

Ocean Acidification Specialist

Office Name

Climate Observation Division/Arctic Research Program, NOAA

Portfolio Summary

This position is being offered by the Arctic Research Program (ARP) in the Climate Observations Division (COD) within NOAA's Climate Program Office (CPO, www.cpo.noaa.gov). The ARP supports NOAA's mission-relevant atmospheric and oceanic climate research activities at NOAA Laboratories, Cooperative Institutes, universities and other research institutions.

The ARP seeks a dynamic fellow who is interested in joining an ongoing international assessment project to quantify the human and societal impacts of ocean acidification in the Arctic Ocean. The fellow will be responsible for coordinating with other scientists in the research group and providing specific input and data products for describing the impacts of ocean acidification in the U.S. Arctic, particularly Alaska. The fellow will also coordinate with others in the Climate Program Office on Arctic initiatives.

The ideal applicant will have an interest in social science research and working in communities to assess impacts and risks from environmental challenges. The fellow should have an interest in developing risk assessment models and be able to synthesize and summarize large data sets from both social and environmental databases. The project will require some travel to both Alaska and international meetings. The fellow should have strong written and verbal communication skills and a willingness to engage the public.

In this position the fellow will:

- Reach across NOAA to identify opportunities for and establish partnerships and build those that currently exist.
- Build awareness of COD capabilities at the highest levels of OAR, the Department of Commerce (DOC), and NOAA.
- Communicate with COD-funded scientists in the ocean, atmosphere, and Arctic observing realm to learn about, translate, and put forward their science in a public-friendly way.
- Collaborate with other federal agencies to maximize the return on Federal investment in the U.S. climate research enterprise.
- Be responsible for developing and implementing a communications and public outreach strategy for research areas within the COD portfolio for distribution within CPO, OAR, NOAA, and to various stakeholders.
- Help organize COD meetings and possibly represent COD by attending meetings, workshops and conferences to learn about the science in order to better communicate that science.
- Complete other activities where the interests of the Fellow and needs of COD overlap.
- There is flexibility in the range of these activities.

Expertise Desired

- 1) Expertise in a specialty within the atmospheric, oceanic, or other geophysical science area with an interest in social sciences, human impacts, and environmental policy
- 2) Ability to understand and summarize oral and written scientific presentations and discussions

3) Strong written and oral presentation skills

4) Strong interpersonal 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

E17-21

Position Title

Marine Biologist

Office Name

Office of Science and Technology, NOAA

Portfolio Summary

The Office of Science and Technology spearheads and coordinates National Marine Fisheries Service (NMFS) scientific activities at the national level and strives to improve the quality and integrity of scientific outputs generated regionally and nationally. It is the primary interface between NMFS science centers (field offices), other NMFS and NOAA offices, as well as domestic and international scientific organizations. The Protected Species Science Branch (PSSB) in the Office of Science and Technology, is a nascent program gradually expanding its role in supporting and conducting research and development activities and strategic research planning related to protected species science. Protected species here refers to all Marine Mammal Protection Act (MMPA) and Endangered Species Act (ESA) listed marine species such as marine mammals, sea turtles (in water), corals and other invertebrates, and protected fish. The fellow will have an excellent opportunity to be close to the science, participate in field work, lead or support different meetings, workshops, and symposia. There is considerable flexibility for the fellow to initiate and develop new initiatives or projects that help to advance protected species science. Fellow is encouraged to apply for grants, publish papers, or collaborate with researchers on topics that overlap with the branch's activities. The fellow could be involved in all or some of the following core projects: climate, coral, marine mammal, and sea turtle science.

1. Climate Science

Task 1: Develop climate vulnerability assessment species narratives

Description: Working in concert with PSSB/ST, Science Center, and Regional Office staff, collect and organize protected species life history data for use in vulnerability assessment pilot and full implementations.

Deliverable: Species narratives

Task 2: Assist in climate vulnerability assessment results analysis

Description: Using a variety of data analysis tools, examine and interpret data generated from the climate vulnerability assessment implementation.

Deliverable: Graphical and textual summaries of results

Task 3: Support pilot or full climate vulnerability assessment implementation workshop

Description: Take notes and assist with facilitation at either a pilot (sea turtles) or full (marine mammals) climate vulnerability assessment implementation workshop.

2. Coral Science

Developing a webinar/short-course on coral restoration: Caribbean coral reef ecosystems have reached a critical juncture in their evolutionary history, wherein they are or soon will be dependent on human assistance for their long-term survival. In mid-November, NOAA held a workshop to advance the science and practice of coral restoration. The workshop covered research on genetic stress tolerance in corals

and how to use that research to enhance restoration, scaling up nursery and outplanting operations, optimizing coral restoration site selection, and monitoring for ecosystem recovery. In order to document and promote promising ideas and points of consensus in coral research and restoration that were achieved at the workshop, NOAA will be developing a short-course for those not able to attend in person. The intended audience is Caribbean and Pacific restoration practitioners and coral scientists. The fellow with significant collaboration from the host and others will help take 3 days of presentations and notes from break-out sessions and group discussions - and convert the material into an on-line webinar and short-course that can be presented in person along with NOAA's coral restoration experts.

Coral genetics review: Help synthesize literature (both published and underway) on quickly evolving areas of coral research (e.g. genetic mechanisms of stress tolerance and resistance, physiological and ecological tradeoffs of stress-resistance traits, acclimatization, and disease). This will involve networking with a range of relevant researchers to incorporate their perspectives and emerging results. Help develop or run a workshop of science experts to prioritize most promising biological mechanisms for conveying enhancement of coral resilience and evaluate physiological and ecological risks of applying this strategy to in-water ecosystems. Potential deliverables: on-line webinar / short-course curriculum on coral restoration, science review, and coral genetic intervention workshop report

3. Marine Mammal Science

Help organize and lead a mini-symposium in Nov 2017 to highlight scientific accomplishments in developing novel analytical tools to assess human impacts on select protected species populations, estimate abundance, and assess spatial patterns.

Provide programmatic support on a variety of projects dealing with database development and applications, internal funding allocations, and stock assessments, data management and applications.

4. Sea Turtle Science

Administer a 2-year internal funding allocation to support sea turtle research. Potentially, organize a workshop to develop strategic research priorities for sea turtle research in NMFS.

Expertise Desired

Masters or PhD degree holders or doctoral candidates in the marine sciences. Expertise in marine ecology, quantitative skills, field experience, and program management is desired. Fellow must be able to work independently, as well as in a team setting.

Travel within DC (days per month)

2-5

Travel outside DC (days per month)

3-7

Accepts Foreign Nationals

Yes

Position ID

E17-22--Withdrawn

Position ID

E17-23

Position Title

NOAA Fisheries Habitat and Ecosystem Science Coordinator

Office Name

Office of Science and Technology, NOAA

Portfolio Summary

Job Responsibilities:

The Office of Science and Technology works to guard the integrity of NOAA Fisheries scientific activity and strives to maintain and improve its quality and credibility. It is the primary interface between NOAA Fisheries science (including its Fisheries Science Centers and laboratories), and other agencies and international organizations.

Position Overview: This position is split between the Office of Science and Technology and the Office of the NOAA Fisheries Chief Science Advisor, and is based on two core projects with an opportunity to participate in other ancillary projects (listed below), 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 Headquarters, including interactions with field personnel as well as gain experience in science policy and program development, and NOAA-wide coordination of ecosystem activities.

Core Project 1 of 2: Ecosystem Sciences and Management Working Group (ESMWG) coordinator

The NOAA Science Advisory Board (SAB) is an external group that provides advice and recommendations to NOAA. A working group on ecosystem sciences and management (http://www.sab.noaa.gov/Working_Groups/standing/index.html) was formed that advises the SAB on NOAA's progress related to specific issues under that overarching theme. Specific topics that will be covered in 2017 include advising NOAA on its work to incorporate: 1) traditional ecological knowledge, 2) emerging ecosystem technologies, and 3) 'omics/environmental DNA (eDNA) technologies. The ESMWG is composed of 10-12 renowned scientists and leaders (outside of NOAA) with a broad interest in NOAA's ecosystem related activities. The NOAA Fisheries Chief Science Advisor works closely with the ESMWG to provide support and guidance on NOAA's ecosystem portfolio. The Fellow would have a unique opportunity to network with the nation's top marine ecosystem scientists, develop an inside perspective on the direction ecosystem science activities are taking, and learn how top scientists provide guidance on marine policy. ESMWG meetings are held both via teleconference and in person outside of the DC metro area. The fellow would attend and provide support for up to 3 meetings during the course of the fellowship. Responsibilities include meeting preparation, agenda development, and support for meeting output (e.g., reports). Opportunities to collaborate on written publications may be available.

Core Project 2 of 2: Habitat and Ecosystem Science

Habitat science provides essential information to resource managers on the current status and future trends of marine habitats used by the nation's marine species. Habitat science also supports habitat restoration, improved stock assessments, ecosystem-based management, and almost every other NOAA program. The Fellow will participate in several activities led by the Office of Science and Technology supporting and expanding the habitat science program, including:

Implementation of the NOAA Fisheries Habitat Assessment Improvement Plan (HAIP, http://www.st.nmfs.noaa.gov/st4/documents/habitatAssesmentImprovementPlan_052110.PDF). This plan provides recommendations to NOAA Fisheries to 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.

- This office funds NOAA Fisheries science center and laboratory staff to undertake habitat science research that can be applied to the stock assessment process. The fellow may choose to lead the internal proposal solicitation and review process.
- NOAA Fisheries is working to strengthen the direct applications of habitat science into Ecosystem Based Fisheries Management (EBFM) priorities. The fellow would help in developing a document that outlines strategies for stronger incorporation of habitat science toward EBFM.
- A process has been developed to prioritize which species would benefit the most from habitat assessments. This process has been completed for the West Coast and Northeast regions, and over the next year the agency will be implementing this process in the remainder of the NOAA Fisheries regions. The fellow would be a part of the headquarters team supporting the prioritization process in the regions.

NOAA Habitat Conservation Team and Habitat Blueprint – Habitat loss and degradation is increasingly recognized as a challenge to sustaining living and natural marine resources. NOAA is addressing this issue head-on with a new focus on and approach to strengthen habitat science, protection and restoration across the agency led by the NOAA Habitat Conservation Team (NHCT). Additionally, the NHCT oversees NOAA's Habitat Blueprint, which works to enhance habitat science and conservation in specific Habitat Focus Areas (HFAs) throughout the United States and its territories. NOAA Fisheries also co-leads the Habitat Science and Ecoforecasting sub-team within this structure, and works to promote habitat science efforts throughout the agency. The fellow would have the opportunity to play a key role in working to support NOAA-wide habitat science priorities, and continuing scientific efforts within HFAs.

Habitat Mapping with Sonar Technologies Workshop – NOAA Fisheries and The National Centers for Coastal Ocean Science (NCCOS) are working together to hold a workshop in 2017 to focus efforts on standardizing multibeam sonar technologies (including ME70s) for habitat mapping on NOAA vessels, improving information sharing, and creating strategies in applying this information toward enhanced fishery-independent surveys. The fellow would have the opportunity play a key role in designing the workshop, developing the agenda with regional scientists, coordinating logistics and outreach, and publishing a technical report summarizing the results.

Expertise Desired

Ability to communicate technical and scientific material to a variety of audiences concisely, in person and in writing. 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. However, the more relevant disciplines include fisheries biology, oceanography, and marine policy. This position is designed to offer a Fellow a diverse mix of assignments with broad intra/inter-agency exposure. 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

E17-24

Position Title

OMC Knauss Sea Grant Fellow

Office Name

Office of Marine Conservation, U.S. Department of State

Portfolio Summary

The Office of Marine Conservation (OMC) is a part of the Department of State's Bureau of Oceans and International Environmental and Scientific Affairs (OES). The mission of OES is to coordinate U.S. Government agencies and departments in developing positions on international oceans, environment, science and health issues; to negotiate bilateral, regional and multilateral agreements that together establish the framework of an international environmental regime; and to develop targeted activities that ensure U.S. Government programs support foreign policy objectives.

OMC is responsible for formulating and implementing U.S. policy on a broad range of international issues concerning living marine resources. In executing this responsibility, the office negotiates bilateral and multilateral fisheries agreements, participates in international fisheries conservation and management organizations and arrangements, and represents the United States in a variety of other international fora associated with the conservation and management of living marine resources.

During 2017, a Sea Grant Fellow serving 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 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

OMC welcomes enthusiastic and collaborative Fellows with a capacity to engage with people and on issues at varying levels. Work or educational experience in fisheries or marine conservation is useful, but not required. Interested Fellows should have strong writing, communication and analytical skills, and a particular interest in foreign affairs. Foreign language skill (esp. Russian, Japanese, Spanish or Chinese) is useful, but not required.

Fellows must be U.S. citizens and be able to receive a Secret-level security clearance.

Travel within DC (days per month)

1-5, varying month to month

Travel outside DC (days per month)

Fellows in OMC have been afforded opportunity for both domestic and international travel associated with their work. We would expect this trend to continue provided that funding continues to be available.

Accepts Foreign Nationals

No

Position ID

E17-25

Position Title

Congressional Affairs Specialist

Office Name

Formulation and Congressional Analysis, National Oceanic and Atmospheric Administration

Portfolio Summary

NOAA's Office of Oceanic and Atmospheric Research (OAR) Congressional team is a fast-paced, exciting office that provides congressional activity planning, coordination, and strategy development for the research arm of NOAA. OAR, also known as NOAA Research, strengthens the science that underpins NOAA's products and services. Whether improving warning lead times for severe weather events or understanding the response of ecosystems in a rapidly changing ocean environment, NOAA research ultimately enables solutions that prevent loss of human life, improve management of natural resources, build understanding of the Earth-system, and strengthen the economy.

A fellow in this office will have the opportunity to work at the senior level with OAR experts on a range of issues relating to research on oceans, coasts, and Great Lakes; climate; and weather. On a day-to-day basis these activities translate into planning and executing a congressional strategy to support the budget and legislative needs of NOAA Research; preparing for and staffing OAR scientists and senior management at congressional briefings and hearings on Capitol Hill; coordinating, drafting, and editing congressional testimony; preparing answers to congressional inquiries about NOAA Research activities; and tracking and analyzing legislation and congressional action from scientific and policy perspectives. This host office will give the fellow an opportunity to learn about the wide variety of research conducted at NOAA from the experts themselves and to translate that knowledge into forms that directly inform policy and budget decisions by Congress. This position will allow the fellow to gain first hand knowledge about the legislative and federal budget processes, along with learning to interpret congressional action for a scientific audience. The fellow will attend a variety of hearings, briefings and events on Capitol Hill, and travel to OAR laboratories around the country is also encouraged.

Expertise Desired

- 1) Strong writing and editing skills to revise scientific information into clear, non-technical text
- 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) An interest in working at the intersection of science, policy, and budget
- 5) 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 fellow will frequently work on a number of cross-portfolio issues simultaneously
- 6) A desire to expand his/her background in legislative and budget analysis

Travel within DC (days per month)

0-5

Travel outside DC (days per month)

0-1

Accepts Foreign Nationals

Yes

Position ID

E17-26

Position Title

Environmental Policy Fellow

Office Name

Polar Programs, National Science Foundation

Portfolio Summary

The Fellow would participate in the development of marine and terrestrial protected area management plans and in the development of policy positions on environmental protection in Antarctica, including marine areas. Projects would also include reviewing environmental impact assessments for U.S. science and operational activities in Antarctica, reviewing Antarctic Conservation Act permits and helping to manage a newly implemented permitting system. Some work would involve environmental assessments of science activities in the Arctic. The skills gained would include an understanding of interagency and international governance within the context of the Antarctic Treaty system, understanding of a federal permitting process under the Antarctic Conservation Act, familiarity with aspects of the Marine Mammal Protection Act, Endangered Species Act and NEPA as they relate to work in the Antarctic, understanding the relationship between marine and terrestrial components of complex ecosystems, proficiency in environmental impact assessment process and in the development and preparation of management plans. Ultimately the Fellow would gain an understanding of a broad range of environmental protection activities and their interrelationship with scientific research and operational activities in Antarctica. The deliverables will include position papers for senior management on a range of environmental, ecosystem management, and protection issues within the Antarctic Treaty system. Work would involve interagency activities related to the Antarctic Treaty System, the Protocol on Environmental Protection and the Commission for the Conservation of Antarctic Marine Living Resources.

Expertise Desired

A background in ecosystem science, environmental science, interdisciplinary studies, or environmental policy would be useful. Field experience would be a plus. The work style of Polar Programs is collaborative and interactive and involves working with scientists and engineers, as well as with environment, safety and logistics experts.

Travel within DC (days per month)

1 or 2

Travel outside DC (days per month)

variable, but up to 45 annually

Accepts Foreign Nationals

No

Position ID

E17-27

Position Title

International Affairs Fellow

Office Name

OAR International Activities Office, NOAA

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 and NOAA.

Duties of the Knauss Fellow include:

- Serving as the office staff lead for programmatic matters involving environmental science and research activities in specific regions or themes that may include Europe, polar, Cuba, and parts of Asia;
- Serving as the office staff lead for communications within OAR and across NOAA line offices;
- Engaging OAR programs and scientists in areas such as ocean acidification, ocean observations, climate, Arctic research, and weather and air quality;
- Representing OAR/NOAA program interests and positions at US 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/liasing 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 observations and research.

Expertise Desired

IA is seeking a Fellow with a background in environmental policy or research. International experience and ability to communicate in another language is an asset, 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 be 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

E17-28 – duplicate position with E17-1

Position ID

E17-29

Position Title

EPA National Nutrient Criteria Program Fellow

Office Name

Ecological and Health Processes Branch - Nutrients Team (US EPA, S&T), Environmental Protection Agency

Portfolio Summary

The National Nutrient Criteria Program's principal mission is to provide technical support to help states, tribes, and territories derive scientifically-defensible regulatory 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, environmental law, and environmental policy and collaborates with a wide variety of scientists and experts both inside and outside of government.

This position provides the fellow with a great opportunity to connect her or his scientific knowledge to the policies and regulations that promote environmental protection. We are open to tailoring this experience to the skillset and interests of the fellow, while providing the ability to build on and refine those skills by working on existing projects. Examples of upcoming projects include technical resource updates for estuarine and coastal water numeric nutrient criteria derivation and determining how to best characterize the condition of biological communities to better understand the overall condition of estuarine, near coastal, and coral reef environments. The fellow's portfolio may also include the following: participating in EPA's Gulf of Mexico Hypoxia Team, liaising with EPA regional offices, providing technical support outreach to EPA regions and state water quality agencies, reviewing state water quality standards packages, and tracking state numeric nutrient criteria development. These and other projects will provide the fellow excellent opportunities to learn how to apply the best, most up-to-date scientific information to establish updated environmental policy.

The fellow 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), and to pursue outside professional development opportunities.

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 modeling, statistics, freshwater ecology, and/or estuarine ecology. Skills and interest in coding, statistics, and modeling are useful, but not necessary. The fellow's existing skills will serve as the base to help the 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

E17-30

Position Title

International Liaison: Ocean Acidification Coordination and Capacity Building

Office Name

Ocean Acidification Program, NOAA

Portfolio Summary

NOAA's Ocean Acidification Program seeks a Sea Grant fellow to advance international capacity efforts and stakeholder engagement in support of the Office of Ocean and Atmospheric Research in Silver Spring, MD. NOAA's Ocean Acidification Program has helped lead the establishment of a Global Ocean Acidification Observing Network, which is comprised of international researchers, modelers, and policymakers working to build an integrated global observing network capable of identifying hot-spots for ocean acidification and create an early warning system for vulnerable communities around the globe. Ocean acidification stakeholders are diverse and include the aquaculture and fisheries industries, marine and coastal managers, government and academic scientists, non-governmental organizations, and others. The fellow will work to facilitate engagement and promote the further development of GOA-ON Regional Hubs, which allow for more localized organizing efforts. The fellow will also be involved in sustained capacity building, by overseeing Pier2Peer, an international scientific mentorship program matching senior marine researchers with junior scientists or those new to the OA field. In addition, the fellow will also provide general scientific, programmatic, and administrative support for the program office in Silver Spring, MD. Other areas of focus could include projects with the Department of State, the Ocean Acidification International Coordination Center, and participation in bilateral meetings with other countries. 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, and engagement with stakeholders. The candidate will have the opportunity to develop an independent project specific to their interests that supports these program efforts.

Expertise Desired

Strong writing and communication skills and the ability to work as part of a team. While not an absolute requirement, a knowledge of biogeochemistry, marine chemistry, and/or species response to ocean acidification will be helpful.

Travel within DC (days per month)

Up to 10 days Days/Month

Travel outside DC (days per month)

Up to 10 days Days/Month

Accepts Foreign Nationals

Yes

Position ID

E17-31

Position Title

Project Coordinator: National Climate Assessment for Oceans and Marine Resources

Office Name

Ocean Acidification Program, NOAA

Portfolio Summary

NOAA's Ocean Acidification Program (OAP) seeks a Sea Grant fellow to coordinate the Fourth National Climate Assessment (NCA4) in support of the Office of Ocean and Atmospheric Research and National Marine Fisheries Service (NMFS) in Silver Spring, MD. The fellow will support the Coordinating Lead Authors (CLAs) from NOAA (from the OAR OA Program and the NMFS S&T Division) in overseeing the NCA4 Oceans and Marine Resources chapter development. This assessment is intended to summarize the impacts of climate change and ocean acidification on US oceans, marine resources and the communities which rely on them. A draft of the chapter is due by June 2017 after which the fellow will be involved in the various peer review processes that ensue. In addition, the fellow will support the CLAs in coordinating the Oceans chapter content with the many overlapping chapters also being developed. Beyond the NCA4 work, the fellow will also participate in other core work of the OAP and NMFS Science and Technology divisions. For the OAP, this might include 1) supporting the various regional coastal acidification networks (CANs) which are being developed around the country, 2) writing web stories about OA-related topics and 3) assisting in the implementation of our research portfolio in partnership with our Grants Manager. For NMFS, this might include 1) helping track and support implementation of the Climate Science Strategy Regional Action Plans, 2) helping support regional teams to assess the vulnerability of fish stocks in the Pacific Islands and Southeast, and 3) developing pilot projects with Sea Grant on how to assist fishing communities with understanding ocean changes including how they might be at risk and options/solutions to reduce risks. The candidate will have the opportunity to develop an independent project specific to their interests that supports program efforts.

Expertise Desired

Excellent writing ability and strong verbal communication skills; Ability to work as part of a team. While not an absolute requirement, a knowledge of biogeochemistry, marine chemistry, species response to ocean acidification and general knowledge about fisheries biology and management will be helpful.

Travel within DC (days per month)

Up to 10 days Days/Month

Travel outside DC (days per month)

Periodic travel only

Accepts Foreign Nationals

Yes

Position ID

E17-32

Position Title

Ocean Exploration Fellow

Office Name

Ocean Exploration and Research, US Dept of Commerce / NOAA

Portfolio Summary

OER serves the nation's ocean exploration needs by exploring the unknown ocean, supporting teams of interdisciplinary scientists on ocean expeditions, developing and providing advanced undersea technologies, and promoting ocean literacy by sharing the excitement of discovery with the public. Due to the diverse nature of the work and portfolio, the Fellow will be exposed to all aspects of the office portfolio (science & technology; expeditions & exploration; outreach & education) and to a wide range of NOAA and partner ocean exploration activities. The Fellow can expect to learn first-hand the complexities associated with operating a major national program from the leadership level. This is an ideal position for those seeking to enhance their communications, management and leadership skills while gaining a high-level appreciation for ocean exploration science and research in the federal service.

Expertise Desired

Background and expertise in marine science or related discipline (e.g. environmental science); Familiarity with ocean exploration, ocean mapping, ocean technology, or deep ocean science; 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 with GIS and Adobe products (such as Photoshop and InDesign) will be helpful; and a sense of humor and adventure is a must!

Travel within DC (days per month)

1-2

Travel outside DC (days per month)

2-5

Accepts Foreign Nationals

TBD

Position ID

E17-33

Position Title

NOAA Research - Science Liaison

Office Name

Office of Policy, Planning, and Evaluation (US DOC, NOAA, OAR, PPE), NOAA

Portfolio Summary

As a Science Liaison in Policy Planning and Evaluation (PPE), the fellow will work to facilitate collaboration and coordination between NOAA's Office of Oceanic and Atmospheric Research's (OAR) laboratories. OAR's seven laboratories conduct an integrated program of research, technology development, and services to improve the understanding of Earth's atmosphere, oceans and inland waters, and to describe and predict changes occurring to them. The labs and their field stations are located across the country and around the world. The Fellow will develop a knowledge and understanding of the scientific activities and research plans of OAR's federal labs with regard to physical, chemical, and biological oceanography and limnology, as well as atmospheric and climate sciences. In so doing, the Fellow will be able to work to accomplish two tasks within PPE: (1) Support the planning and establishment of a recurring OAR Science Forums, an event which brings 70 – 100 OAR scientists together around specific topics to promote collaboration. The fellow will work with the steering committee to prepare background materials, scope framing subjects, and help facilitate new collaborations that emerge from the Forums; and (2) Coordinate and assist in the communication between OAR Headquarters and the OAR labs. The Fellow will use her/his analytical and communication skills to analyze science programs and the relationship with and impacts of national and NOAA policies on OAR laboratory science policy, planning, and evaluation. There is flexibility and opportunity to define the Fellow's duties in such a way that they capitalize on her/his knowledge, experiences and interests. The Fellow will be expected to execute assignments with creativity, skill, and independence.

Expertise Desired

Experience in a laboratory environment. Experience running virtual meeting software (e.g. GoToMeeting, Polycom VTC, etc.) and operating a website content management system (e.g., DNN Evoq formerly Dot Net Nuke). Experience with MS Project would be useful. Experience working in and with a team. A sincere interest in helping scientists from multiple disciplines identify common points of interest within their work to improve the overall quality of Research within the OAR enterprise.

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

Yes

Position ID

E17-34

Position Title

Policy Liaison

Office Name

Office of the Assistant Secretary of the Navy (Energy, Installations, and Environment), Department of Navy

Portfolio Summary

The Department of the Navy's Office of the Assistant Secretary of the Navy for Energy, Installations and Environment works towards enhancing combat capabilities for the warfighter and greater energy security; the acquisition and disposal of real property; construction and maintenance of installations; protecting the safety and occupational health of the military and civilian personnel; environmental protection, planning and restoration ashore and afloat; and conservation of natural and cultural resources. The Fellow would work with senior leadership and staff across a broad range of issues including natural and cultural resource protection, marine species protection, ocean pollution and prevention, and environmental technology. The Fellow would also serve as a liaison for the Office on any number of topics with the National Ocean Council, the White House, EPA, NOAA, and other Federal agencies, and lead and assist on high level ocean policy development. Specific duties can be tailored to the individual Fellow, and are cross-cutting in nature. The office is located at the Pentagon.

Expertise Desired

Willingness to learn and an ability to communicate. Position can be tailored to the strengths, weaknesses and goals of the individual Fellow. Since our office works a broad range of issues for Navy, this is usually fairly easy to do. Due to the need for the fellow to obtain an interim and final security clearance, our office can only accept US citizens and cannot accept US citizens with dual citizenship.

Travel within DC (days per month)

3-6

Travel outside DC (days per month)

2-3

Accepts Foreign Nationals

No

Position ID

E17-35

Position Title

Fisheries Science Coordinator

Office Name

Office of Science & Technology, National Oceanic and Atmospheric Administration

Portfolio Summary

This Fellowship opportunity is based in NOAA Fisheries Office of Science and Technology, where you will work for the National Stock Assessment Program on issues of national importance to fisheries population dynamics and fisheries management. The Office of Science and Technology is the primary interface between NOAA Fisheries' science (including its Fisheries Science Centers and laboratories), other agencies, and international organizations. Through your work in the office, you will engage with NOAA Fisheries' Senior Scientist for Stock Assessments, as well as NOAA Fisheries leadership, including the Science Board and NOAA Fisheries Chief Science Advisor. Your involvement will put you at the forefront of the national program helping to advance the science that informs fisheries management. As a fellow, you will have opportunities to coordinate and implement multiple agency-wide projects.

Core Project 1: Next Generation Stock Assessment Implementation

- NOAA Fisheries is finalizing a new Stock Assessment Improvement Plan (SAIP), which will be implemented during 2017. The SAIP is a landmark document for the agency that provides guidance on the next generation fish stock assessments. SAIP implementation will provide you with broad exposure to the cutting edge fisheries science being conducted within NOAA Fisheries, opportunities to contribute to tangible NOAA products, as well as the opportunity to network with leaders in the fields of fisheries stock assessment and marine ecosystem dynamics.
- NOAA Fisheries has recently developed a protocol to facilitate prioritization of fish stock assessments within regions. This important activity, which is fundamental to implementing a next generation stock assessment framework will help NOAA Fisheries address its mandates and maximize resources to provide fishery managers with the best possible scientific advice. You will have the opportunity to engage in stock assessment prioritization across regions, network with a wide range of scientists and supervisors around the country, and travel to NOAA Fisheries Science Centers.

Core Project 2: Stock Assessment Science Coordination

- The National Stock Assessment Program coordinates the Assessment Methods Working Group, a committee of population dynamics experts around the country who develop and address stock assessment research priorities. With this group you can participate in research funding opportunities through proposal reviews and management of ongoing funding allocations as well as organize and participate in a national meeting.
- The stock assessment program will be planning its 13th biennial National Stock Assessment Workshop (NSAW) for 2018. These workshops have helped advance and broadcast fisheries stock assessment science within the agency, and have served as venues that provide cross-regional collaboration and networking opportunities to stock assessment scientists. You can

work with the Steering Committee to plan, host, and author a technical report for the next NSAW.

During 2017, the Office of Science & Technology will be hosting symposia at multiple national and international scientific meetings. These conferences will provide you ample opportunities to travel and network extensively with experts in fisheries science and management.

There will be opportunities to participate in other national projects, such as building a communication network and/or conducting a national-scale fisheries research project. You will have several opportunities for travel during your Fellowship, including within the Washington, D.C. metro area, to various NOAA Fisheries science centers, and to national conferences, meetings, and workshops in a variety of locations. By the completion of your Fellowship, you will have a comprehensive understanding of NOAA's cutting-edge science programs, and you will have established a vast professional network.

Expertise Desired

Ability to understand and communicate technical and scientific material to a variety of audiences concisely, in person, and in writing. 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. However, the more relevant disciplines include quantitative fisheries science, such as fisheries stock assessment and population dynamics, fisheries biology, marine ecology, oceanography, and marine policy. Knowledge of the federal fishery management process is a plus.

Travel within DC (days per month)

3-5

Travel outside DC (days per month)

3-5

Accepts Foreign Nationals

Yes

Position ID

E17-36

Position Title

Climate and Health Project Specialist

Office Name

Climate Program Office, National Oceanic and Atmospheric Administration

Portfolio Summary

Heat exhaustion, Zika infection, asthma, Salmonella contamination, and psychological distress are all climate-linked health phenomena, and all are likely to be exacerbated by an increase in global temperatures and climate variability. NOAA's environmental intelligence plays a critical role in understanding, predicting, and adapting to (or preventing) these issues, and this exciting position within the Climate Program Office (CPO) of NOAA's research arm (OAR) will directly engage the fellow in the national and global science, policy, and partnership-building activities run out of our office.

Internally, this fellow will work across NOAA's line offices in pursuit of a NOAA OneHealth agenda that promotes the climate and health activities of the labs, programs, and offices within NOAA, leveraging the collective capacity of the agency and facilitating engagement outside of our agency. At the inter-agency level, the fellow will be an active participant in US Global Change Research Program (USGCRP) activities, coordinating climate and health research priorities across the federal government, informing priorities of the incoming administration in its earliest moments, and delivering subject matter expertise in reports and presentations. At the national and international levels, the fellow will be folded into existing and new activities piloting regional implementations of the National Integrated Heat Health Information System (NIHHIS), and the newly formed Global Heat Health Information Network (GHHIN). Some domestic and international travel for these activities is likely - both for NIHHIS and GHHIN engagements, and for conferences.

The following are possible elements of a portfolio for the fellow:

NIHHIS Web Portal

Lead the ongoing development of the NIHHIS Web Portal, which is an extension of the Climate Resilience Toolkit - an interagency White House initiative run out of the Climate Program Office. This portal is the "one stop shop" for inter-agency information on extreme heat, intended to help decision-makers plan for extreme heat.

NIHHIS Pilots

Lead a NIHHIS pilot in one of our emerging US regions. Following the successful launch of the Southwest (North American Desert) pilot in El Paso in 2016, pilots in the Northeast and Midwest / Great Lakes regions of the country are planned for 2017, followed by pilots in the West, Northwest, and Southeast. The fellow may help plan or lead one or more of these pilots, including planning a workshop, researching and writing reports and papers, building relationships and training.

NIHHIS Interagency

NIHHIS integrates the vast knowledge, capacity, and activities of all agencies in the US Government that address extreme heat risk and resilience. The fellow may support the inter-agency aspect of NIHHIS by facilitating monthly meetings, planning outreach and engagement activities, and by mapping out and consolidating the inter-agency resources so that they can be easily understood and used by decision makers.

GHHIN Coordination

The Global Heat Health Information Network will be formally launched in early 2017, and a meeting will be held in Southeast Asia to formalize this network and move forward on planning. The fellow can be an essential part of planning, executing, and delivering on the outcomes of this meeting.

NOAA OneHealth

NOAA has had a OneHealth group for many years, but it has recently been rekindled with fresh interest and enthusiasm requiring strategic planning and support. The fellow may help develop a strategic plan for this initiative, a new web presence, and may facilitate ongoing meetings of this group to communicate the importance of, and facilitate advancement of, NOAA's health activities.

Emerging Climate and Health Issues

Our portfolio of climate and health projects is currently very focused on extreme heat, but there are many other health issues that require climate information for improved understanding, prediction and detection, and long-term resilience. The fellow may be engaged in doing research, planning, and communication of new directions for the climate and health work performed within CPO, NOAA, and the US Government.

Expertise Desired

This position is designed to be flexible enough to accommodate a variety of activities, depending upon the interest and background of the fellow, and emergent priorities. International and domestic engagement, on a variety of climate and health issues, whether in a research/technical, coordination, or communication capacity would be beneficial to this rapidly growing and evolving team in CPO. Building our capacity to learn from and evolve our resilience to climate-linked health concerns is a growing priority for NOAA, the US government, and the global climate science community. We are seeking a fellow who has a solid understanding of climate and/or health (or is eager to learn), who is an agile and creative problem solver (climate and health concerns are often aptly described as "wicked problems") and who is passionate about building resilience and protecting the most vulnerable among us.

Travel within DC (days per month)

2-5

Travel outside DC (days per month)

2-5

Accepts Foreign Nationals

Yes

Position ID

E17-37

Position Title

Knauss Fellow, Biological Oceanography Program, Division of Ocean Sciences

Office Name

Division of Ocean Sciences, National Science Foundation

Portfolio Summary

At the National Science Foundation (NSF), you'll enjoy a front row seat to the Nation's latest scientific discoveries. As a Knauss Fellow with NSF's Division of Ocean Sciences (OCE), you will join a team of PhD-level scientists, engineers, and educators tasked with supporting exciting and innovative research, infrastructure, and education to advance understanding of all aspects of the global oceans and ocean basins.

OCE works with the U.S. ocean sciences academic community to direct funding towards advancing the frontiers of knowledge, developing the next generation of researchers, and enhancing the public's understanding of ocean sciences. The Division represents this community in the Federal context, coordinates with other Federal agencies and with international partners on research funding and infrastructure management, and participates in the development of policy through national and international forums and programs. These activities provide knowledge critical to addressing many of our Nation's most pressing challenges involving ocean processes.

OCE's Biological Oceanography Program supports basic research in marine ecology broadly defined: relationships among aquatic organisms and their interactions with ocean or Great Lakes environments. The Program supports research and educational activities directed at understanding all types of marine organisms, from marine microbes to upper trophic level taxa, and participates in interdisciplinary activities encompassing coastal and ocean interactions with people and the integrated Earth system.

OCE and the Biological Oceanography Program have a long history of hosting Knauss Fellows, working to match the expertise and interests of Fellows with office priorities for the fellowship year. In the upcoming year, the Knauss Fellow will contribute to a range of activities in the Biological Oceanography Program. These may include facilitation of peer review and award recommendations for proposals submitted to the Program, communication with the research community, analysis of community input on proposed projects, and identification and articulation of the merits of research that warrants support. S/he may also help develop workshops and participate in community activities to develop new areas of oceanographic research.

In addition to contributions to the core Biological Oceanography Program as described above, we anticipate opportunities for a Fellow to participate in any of the following:

- The Program is currently involved in a range of activities focused on data management, data sharing policies, and developing cyberinfrastructure to support "big data" approaches to earth system sciences. In the coming year we will be evaluating our OCE and Long Term Ecological Research (LTER) data management activities, updating the Division of Ocean Sciences Data Management Policy, and continuing our participation in the Geosciences EarthCube initiative.
- The Program will be collaborating with NASA in their EXPORTS Program that focuses on carbon cycle and biological pump research.
- Genomic-enabled tools are becoming widely used by investigators funded by the Program. A high priority of the Program is to provide the infrastructure needed to conduct this research by

supporting the development, evaluation, and dissemination of new approaches. To support these efforts, the Program is developing a partnership with NSF Biology programs aimed at catalyzing an increase in the capacity of research communities to test cause-and-effect hypotheses about genes and phenotypes in organisms presently lacking such tools.

Depending on interests, Fellows can also participate in interagency activities to develop and implement national research priorities and engage in other cross-foundational activities within OCE.

In terms of your own professional development, you may also: attend talks and distinguished lectures given by international luminaries from all fields of scientific inquiry; participate in the broad suite of personal development training programs offered at the Foundation; increase your breadth of knowledge by reading and reviewing proposals in and outside your area of expertise; gain intense learning experiences through observing peer review panels where leading and upcoming researchers engage in dialogue about cutting-edge science; broaden interdisciplinary understanding through participation in the development of new solicitations and the initiation of new programmatic emphases; and interact with the scientific community at national meetings and workshops.

Expertise Desired

Interest in working with the ocean sciences community; interest in learning how NSF functions; awareness of biological oceanography or related research topics

Travel within DC (days per month)

1-3 days per month

Travel outside DC (days per month)

Variable

Accepts Foreign Nationals

Yes

Position ID

E17-38

Position Title

Natural Resource Policy Fellow

Office Name

Fish and Aquatic Conservation, US Fish and Wildlife Service

Portfolio Summary

The Fish and Aquatic Conservation (FAC) Program within the U.S. Fish and Wildlife Service (USFWS) works with partners and engages the public, using a science - based approach, to conserve and restore fish and other aquatic resources for the benefit of the American people. This position offers an excellent opportunity for a Fellow to work with Program staff on matters related to national fisheries policy and aquatic habitat programs. In addition, there could be opportunities to work with staff in eight USFWS regions on issues of national importance. This position is located in the Branch of Aquatic Species and Habitat Conservation, within the Fish and Aquatic Conservation (FAC) at U.S. Fish and Wildlife Service Headquarters, Washington DC.

The opportunity will be tailored toward landscape aquatic conservation with a focus on fisheries. Specific duties for the fellow would include an independent project related to advancement of the National Fish Passage Program, as well as participation on a larger team working on aquatic habitat programs. Specifically, the individual will focus on leading a prevention project to address unintentional fish passage barriers. The position will focus on aquatic connectivity by obtaining an understanding of the institutional, policy, technical and other root causes for construction of unintentional fish passage barriers. This work will document why unintentional barriers (i.e. culverts and dams) are being created, and the challenges, opportunities, and current actions to prevent them. This policy assignment will work with partners to identify tools and information needs and include recommendations for national policy changes and develop or update existing national standards to enhance aquatic connectivity to accommodate flooding, climate change, and variety of other factors.

Expertise Desired

The Fellow should have strong analytic and communication skills, be able to work as a team member, and the ability/desire to understand how laws may impact aquatic species and their habitats.

Travel within DC (days per month)

1-3

Travel outside DC (days per month)

2-5

Accepts Foreign Nationals

No

Position ID

E17-39

Position Title

Policy Liaison

Office Name

CMTS and BTS, CMTS and BTS

Portfolio Summary

This unique full-time position provides important professional staff expertise within the CMTS Executive Secretariat, dedicated staff body of the cabinet-level U.S. Committee on the Marine Transportation System (CMTS) and to the Bureau of Transportation Statistics (BTS). Project management skills will be utilized in targeted areas such as Maritime Energy and Emissions and U.S. Arctic maritime transportation, as well as big data analysis; ocean, coastal, and inland port and waterway data and statistical analysis; supporting a maritime-focused Federal Advisory Committee, and assisting in the development of the port performance freight statistics annual report to Congress, as well as specialized CMTS and BTS projects as appropriate to the Fellow's expertise and interests. The CMTS was chartered in 2005, and authorized in 2012, to coordinate Federal marine transportation policy, including the Arctic. The Bureau of Transportation Statistics is a Federal statistical agency located within the Office of the Secretary of Transportation, Office of the Assistant Secretary of Research and Technology. The position provides an unique opportunity to work, team, and network with professionals from 30 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; Arctic Executive Steering Committee) to enhance Federal interagency policy development for the MTS. Working under the direct supervision of the Executive Director (Knauss Fellow '83) and working with the Director of BTS and senior staff from both organizations, the Fellow will have an opportunity to draft, propose, and recommend actions that affect high-level Federal Government policy. The Fellow will represent the CMTS at all National Ocean Policy-related activities and support work related to DOT, CMTS, and BTS data and port performance freight statistics program. 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-level policy meetings and industry activities, as appropriate. 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 Southeast Washington, across the street from the Navy Yard Metro station, and located walking distance to the U.S. Capitol, Nationals Stadium, Eastern Market, and the Southwest Waterfront.

Expertise Desired

Enthusiastic interest to learn more about the maritime transportation nexus with the marine and coastal environments and contemporary studies to improve historic and real-time data analysis. Interpersonal skills and self-motivated with an interest to expand their knowledge of Federal Government initiatives, strategic processes, and agencies (a great skill should engagement with the Federal Government be a career objective). Working knowledge of Microsoft Office applications including Word, Excel, PowerPoint, Access, and Outlook as well as statistical software packages such as SAS. Ability to conduct data and time-series analysis, perform statistical research and document methodology a plus, and write technical 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 and contemporary studies to improve historic and real-time data analysis.

Travel within DC (days per month)

3-4 Days/Month Days/Month Days/Month

Travel outside DC (days per month)

Pursuant to Funding Days/Month Days/Month Days/Month

Accepts Foreign Nationals

No

Position ID

E17-40

Position Title

Climate Program Specialist

Office Name

Climate Program Office, NOAA

Portfolio Summary

The Climate Variability and Predictability (CVP) Program, within NOAA's Climate Program Office (CPO, www.cpo.noaa.gov), is a competitive grants program focused on interdisciplinary Earth system science research that will expand the scientific understanding of climate and weather phenomena. Current research priorities include understanding the Madden-Julian Oscillation in the tropical Indian Ocean, Atlantic Ocean circulation, sea level rise, El Niño, the rapid decline in Arctic sea ice and its regional impacts, and the connection between weather and climate. CVP maintains a broad network of collaborators within CPO and across NOAA, notably including the OAR Labs and Cooperative Institutes, as well as with universities and other research entities. It is expected that the fellow will sustain and grow these connections by visiting some of these centers and by attending scientific coordination meetings with agency program managers from NSF, NASA, DOE, and the Office of Naval Research (ONR) for developing and prioritizing research initiatives. The fellow will also see first-hand how large field campaigns such as the DYNAMO and Year of the Maritime Continent are orchestrated from the perspective of a program office. The fellow will develop a broad understanding of the important role of NOAA in supporting mission-driven climate research.

CVP seeks a finalist with a background and/or interest in atmospheric and/or oceanic sciences and their policy connection. The fellow will be an integral part of a team and will assist in the development, promotion, and management of the CVP program which is currently focused on selecting new projects that will participate in the joint ONR-NOAA PISTON Field Campaign, which is part of the Year of the Maritime Continent. The CVP program is looking for a person to coordinate program activities such as planning an in-person Principal Investigator (PI) meeting next year, assisting with panels reviews, and leading CVP communication activities like developing articles for a newsletter, organizing webinars, and assisting with website updates. Some of the fellow's duties include analysis, background research and reporting on CVP research areas, international, national, and regional climate issues, congressional activities, and participation in the US Climate Variability and Predictability Research Program (US CLIVAR). The fellow may also work with the CVP program manager on program development and strategic planning which capitalizes on NOAA's unique strengths. The fellow will participate in activities with CPO's planning as well as across NOAA's research laboratories.

The fellow will gain an in-depth understanding of NOAA's climate capabilities and its grants program. The fellow will have an opportunity to participate in workshops, conferences, interagency meetings, and NOAA Laboratory visits as well as study the policy implications of scientific research supported by CVP. This position is open to finalists who would like to gain experience in the inner workings of a Federal science and service agency, its relationship to Congress, other Executive Branch Agencies, and the relationship of climate science and policy activities of the administration. The fellow will interact with high-level NOAA staff and world-class climate experts on a variety of climate issues. Through their work in the Climate Program Office, the fellow will gain a strong background in climate-related science and policy issues that will be useful for his/her career beyond the fellowship. This office is an experienced

host of Sea Grant Fellows for several years running. Finalists with policy and/or scientific backgrounds including geophysical sciences are encouraged to apply.

Expertise Desired

- 1) Ability and willingness to work on several simultaneous tasks, sometimes with short-term deadlines
- 2) Ability to work effectively individually and in teams with diverse people and organizations
- 3) Knowledge of Microsoft Office and Google Apps
- 4) An interest in a range of climate-related issues (climate science, connection of climate issues to policymakers, climate information in support of decision-making)
- 5) Strong written and oral presentation skills, as well as strong interpersonal skills
- 6) Expertise in a specialty within the atmospheric, oceanic, or other geophysical sciences areas, or environmental/climate/science policy, or science communication is preferred.

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

E17-41

Position Title

Coral Program Fellow

Office Name

Coral Reef Conservation Program, NOAA

Portfolio Summary

The NOAA Coral Reef Conservation Program (CRCP) is a partnership among the NOAA Line Offices working on coral reef issues: the National Ocean Service (NOS), the National Marine Fisheries Service (NMFS), the Office of Oceanic and Atmospheric Research (OAR), and the National Environmental Satellite, Data and Information Service (NESDIS). The CRCP brings together expertise from across NOAA for a multidisciplinary approach to managing and understanding coral reef ecosystems. The program management resides within the NOS Office for Coastal Management. Major areas of focus include: coral program outreach and communication efforts, staffing of the US Coral Reef Task Force, and strategic planning/visioning for the Coral Reef Conservation Program.

Expertise Desired

Background in marine science (bonus points for coral ecology!), familiarity with marine policy, interest in communications/outreach, ability to work in fast-paced dynamic atmosphere, great organizational skills, strong writing skills, graphics/web/social media interest, and ability to work in a team as well as individually.

Travel within DC (days per month)

2-3

Travel outside DC (days per month)

infrequent, 2-3 weeks over year

Accepts Foreign Nationals

Yes

Position ID

E17-42

Position Title

Coastal Policy Fellow

Office Name

U.S. Army Corps of Engineers and Coastal States Organization

Portfolio Summary

This fellowship is unique in that it is a joint fellowship opportunity between the U.S. Army Corps of Engineers/Institute for Water Resources and the Coastal States Organization. The US Army Corps of Engineers (USACE) provides vital public engineering services in peace and war to strengthen our Nation's security, energize the economy, and reduce risks from disasters. Through its Civil Works programs, the Corps provides services and leadership in environmental restoration, flood and coastal storm damage protection, navigation, and recreation. The Institute for Water Resources (IWR) provides forward-thinking analysis and research for USACE to shape federal water resources policy and develop planning methodologies. The Knauss Fellow will be placed at the Coastal States Organization's (CSO) offices near the U.S. Capitol and will work jointly for CSO and IWR. CSO was established in 1970 to represent the Governors of the nation's thirty-five coastal states, commonwealths and territories on legislative and policy issues relating to the sound management of coastal, Great Lakes and ocean resources. The fellow will also have a desk at IWR, which is located in Alexandria, VA.

The Knauss Fellow will work with CSO and IWR under the general supervision of the Corps Coastal Team leader, the CSO Executive Director, and senior staff in supporting integrated coastal policy analyses and development, technical coastal issue analysis and resolution, and Corps participation in collaborative partnerships. This position provides a unique opportunity to learn about the interaction between federal and state activities, as the fellow will serve as a liaison between the Corps and state coastal management programs. The position is ideal for individuals interested in coastal and marine policy, planning and resource management, and the decisions and programs that affect federal, state, and local roles in coastal flood risk management, ecological resource conservation and restoration, and marine navigation and transportation.

The IWR Coastal Program consults on technical coastal issues, assists in coastal policy analysis and problem solving, and develops long-range strategies for the coastal program of Civil Works. The coastal team provides consultation and problem solving services on issues concerning coastal-related water resources management and planning to Corps headquarters and field offices, and federal, state, and local governmental agencies. The IWR/CSO Knauss Fellow can expect to participate in IWR's Coastal Program through the following opportunities. They will contribute to the on-going development of the SAGE (Systems Approach to Geomorphic Engineering) initiative. SAGE is a collaborative initiative between several federal agencies, the academic community, and NGOs with the purpose of helping coastal communities adapt to the impacts of climate change. SAGE addresses a wide array of changing conditions by understanding shoreline transformation in the holistic, regional context of natural systems. For example, SAGE explores hybrid engineering, which links 'soft' ecosystem-based approaches (such as wetlands, marshes, and dunes) with 'hard' infrastructure approaches (including seawalls, revetments, levees and jetties). The fellow will help develop Technical/Engineering Workgroup and/or Policy Workgroup objectives or develop a strategic communications strategy for the SAGE initiative, which includes expanding the partnership. The fellow will develop SAGE communications tools and will make SAGE presentations before appropriate groups, meetings and conferences. A new development of

the SAGE initiative is focused on Conservation Finance and seeking how SAGE projects might attract private equity and alternative financing. The fellow will travel to meetings and conferences in Washington, DC as well as have the opportunity to travel to other appropriate events outside of the DC area. The fellow will also coordinate with state coastal zone management programs to promote awareness of the Silver Jackets program. Silver Jackets is an innovative program that brings together multiple state, federal, and sometimes tribal and local agencies to learn from one another and apply their knowledge to reduce risk and address the state's flood risk management priorities.

CSO is comprised of Governor-appointed delegates from each of the thirty-five state coastal zone management programs. These members are senior officials from environmental, natural resource, or planning agencies. CSO staff support their members by advancing coastal management needs through legislation, funding, and partnership with federal agencies. The fellow can expect to participate in CSO through the following opportunities. They will staff one or more CSO Work Groups, which organize CSO members around specific issues such as Climate Adaptation, Beach and Inlet Management, Coastal Nonpoint Source Pollution, and Habitats. The fellow will schedule and facilitate monthly conference calls and develop plans for addressing members' needs and interests. The fellow will also assist CSO staff in organizing CSO's Winter and Fall Meetings, which bring CSO members together in person to discuss administrative objectives, strategic priorities, and hear presentations from partner agencies and organizations. The fellow will attend both the Winter Meeting in Washington, DC and the Fall Meeting in Hawaii. The fellow may also contribute to organizing an international meeting to bring coastal management professionals from around the world together to share best practices. This may include travel opportunities to conduct outreach for the meeting. Other opportunities will be presented to the fellow from the range of topics and priorities that CSO has planned for the duration of the fellow's tenure.

Expertise Desired

- Ability to communicate and develop good working relationships with congressional staff, key non-governmental organizations and government agencies.
- Ability to organize and synthesize large volumes of disparate data and information from a variety of coastal physical, environmental, and engineering disciplines.
- Ability to analyze and effectively articulate and convey technical and policy related information in a narrative, charts, diagrams, and power point presentations.
- Ability to organize, prepare, and conduct small group meetings and to facilitate discussion groups.
- Available to travel in the U.S. and participate in meetings, conferences, symposiums, etc.
- Training and education in engineering, oceanography, geology/geomorphology, biology, environmental science, ecosystem management, or coastal/ocean policy.

Travel within DC (days per month)

Flexible

Travel outside DC (days per month)

Flexible

Accepts Foreign Nationals

No

Position ID

E17-43

Position Title

Ocean Policy and Communications Specialist

Office Name

Office of Policy Analysis, U.S. Department of the Interior

Portfolio Summary

A position with the Ocean, Great Lakes, and Coastal Coordination Team in the Office of Policy Analysis at the Department of the Interior (DOI) --a work environment with a broad perspective on Interior's ocean and coastal activities at the Department and at an interagency level. This position is in an office with small, fun, highly motivated staff, in the historic Interior Building in the heart of downtown Washington, DC.

The Office of Policy Analysis (PPA) provides cross-cutting analysis and coordination to support decision-making and policies across this highly decentralized agency. Among other policy issue areas, PPA coordinates the Department's activities related to ocean, coastal, and Great Lakes resource management and provides DOI representatives on several interagency ocean and coastal issues. This position is an excellent opportunity to work with staff, senior policy contacts, and administration officials across the Department and across the Federal family.

DOI has been a key player in the shaping of national ocean policy over the past several decades. As a member of the National Ocean Council, DOI has been a lead agency (<http://www.whitehouse.gov/administration/eop/oceans/about>) in implementing key actions and shaping the course of the National Ocean Policy. DOI is also co-chair of the US Coral Reef Task Force along with NOAA counterparts. DOI also supports other national and regional efforts through active involvement with Federal working groups. PPA provides staff support and leadership in these activities.

This position will work with the Ocean, Great Lakes, and Coastal Coordination Team to clarify, connect, strengthen and expand collaborative efforts across the Bureaus of DOI and other agencies in the federal family. This team coordinates across Interior's Bureaus to ensure that Interior responsibilities are represented and support local, regional and national programs. Topics include: recreation, tourism, endangered and invasive species, Arctic, offshore energy, conservation, restoration, science, technology, and other topics. Work will focus on developing a coherent Departmental ocean and coastal presence, supporting interagency initiatives, and improving visibility and awareness of Interior programs and responsibilities.

This position will provide staff support and guidance through work with bureau staff, senior policy analysts and communication specialists. We will work with you to design the ideal developmental assignments to provide you with the experience you are seeking.

Duties may include:

- Preparing diverse communication materials such as web content, stories for Interior's ocean and coastal newsletter, NEWSWAVE, as well as briefing materials, pamphlets and other materials that support visibility and awareness about Interior and Bureau-specific involvement. See NEWSWAVE publication guidelines here: <http://www.doi.gov/pmb/ocean/news/Newswave/index.cfm>

- Working with a team that conceives and designs materials, media and messages that reflect activities, policies and programs as well as value of resources and benefits for partners, States, and the Nation's public,
- Providing logistical and content support for the US Coral Reef Task Force meetings,
- Supporting DOI's role in ocean policy from the national level to regional and local initiatives and programs,
- Since this position is in the Office of Policy Analysis, there will be opportunities to support other Departmental initiatives on an as-needed basis.

Expertise Desired

The successful candidate must: have strong interpersonal and writing skills; have strong organizational skills; have the ability of gather and edit written information from a wide array of sources and formats; have the ability to work independently on short deadlines; be highly flexible and creative with attention to detail; have an interest in broad ocean, coastal, and Great Lakes topics that range from management of natural resources and sustainable use to policy and societal aspects; enjoy learning through doing; and share an excitement about collaboration, communication and policy implementation.

Travel within DC (days per month)

2-10

Travel outside DC (days per month)

1 - 2 times/year

Accepts Foreign Nationals

No

Position ID

E17-44

Position Title

Special Assistant to Deputy Assistant Director for Ecological Services

Office Name

Ecological Services Headquarters, U.S. Fish and Wildlife Service

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. As a Special Assistant to the Deputy Assistant Director, the Fellow will support critical issues on behalf of the Deputy Assistant Director and her leadership team. Under the leadership of the Deputy Assistant Director, the Fellow will work on policies, regulations, and new initiatives for the ES Program. It is an excellent opportunity to join a great team, work on complex issues, and influence conservation in our country. The position is a great opportunity for career advancement, learning about the FWS at a national level, and work on issues that have application across a broad scale.

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

Staff within the Ecological Services Program at Headquarters 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; coordination of the Cooperative Endangered Species Conservation Fund and its expenditures; preparing justifications for the budget; and allocation of the budget once it is received from Congress.

Expertise Desired

Excellent collaboration and project management skills; strong written and oral communications skills; strong people skills; ability to manage multiple projects/tasks under deadline and to work independently if needed; interested in aquatic and non-aquatic species conservation; knowledge of the ESA is not required.

Travel within DC (days per month)

1-5

Travel outside DC (days per month)

2-3

Accepts Foreign Nationals

No

Position ID

E17-45

Position Title

ESA Biologist

Office Name

Ecological Services Headquarters, U.S. Fish and Wildlife Service

Portfolio Summary

We are excited to host a Sea Grant Fellow to support the implementation of the Endangered Species Act (ESA), a complex law that provides immeasurable benefits for our Nation's highly imperiled species. As an ESA Biologist within the Ecological Services of the U.S. Fish and Wildlife Service, the Fellow will support critical issues related to interpretation, policy, regulations, and guidance for implementation of the ESA. Under the leadership of a Division Chief, the Fellow will work on policies, regulations, and new initiatives for the ES Program. It is an excellent opportunity to join a great team, work on complex issues, and influence conservation in our country. The position is a great opportunity for career advancement, learning about the FWS at a national level, and work on issues that have application across a broad scale.

Ecological Services Headquarters staff provide national leadership for the conservation of species and the habitats on which they depend, including species protected by the Endangered Species Act (ESA), the Emergency Wetlands Resources Act, the Fish and Wildlife Coordination Act, the Coastal Barrier Resources Act, Marine Mammal Protection Act, and the Clean Water Act. Through leadership in the listing and recovery of candidate, threatened, and endangered species, and the environmental reviews of projects that may affect these species, the Program works closely with our partners to meet the conservation challenges of today and tomorrow. Staff within the Ecological Services Program at Headquarters are responsible for preparing justifications for the budget; allocation of the budget once it is received from Congress; 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; and coordination of the Cooperative Endangered Species Conservation Fund and its expenditures.

Expertise Desired

Excellent collaboration and project management skills; strong written and oral communications skills; strong people skills; ability to manage multiple projects/tasks under deadline and to work independently if needed; interested in aquatic and non-aquatic species conservation; knowledge of the ESA is not required.

Travel within DC (days per month)

1-5

Travel outside DC (days per month)

2-3

Accepts Foreign Nationals

No

Position ID

E17-46

Position Title

Congressional and Legislative Affairs Fellow

Office Name

Division of Congressional and Legislative Affairs, U.S. Fish and Wildlife Service

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. The office has hosted fellows in the past, who now have successful careers within the Service and in the nongovernmental sector. The office is consistently busy and the work is fast-paced.

Issue portfolios in the office and for a Fellow are to be determined early in 2017. Past Fellows have been responsible for robust portfolios and worked on a range of issue areas, including Endangered Species, Fisheries and Aquatic Conservation, Marine Mammals, International Affairs, Science Operations, Wildlife and Sport Fish Restoration, Conservation on Military Installations, and Coastal Barriers.

Working in CLA allows a Knauss Fellow to learn first-hand about how both the executive and legislative branches of government work and how they interact with each other. 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 the Department of Interior. A Fellow may 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.

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 their 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)

0 - 10

Travel outside DC (days per month)

0-5

Accepts Foreign Nationals

Yes

Position ID

E17-47

Position Title

Gulf Coast Restoration Policy Analyst

Office Name

Office of Gulf Coast Restoration, U.S. Department of the Treasury

Portfolio Summary

The 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 of the fellow include:

- assisting with the development of performance metrics to measure the success of projects funded under the Direct Component and Centers of Excellence Research Grants programs;
- working with other Gulf Coast restoration funders to ensure close coordination and synergy, and to avoid duplication;
- helping FL counties and LA parishes understand and meet environmental compliance responsibilities; and
- helping FL counties and LA parishes understand and address the best available science requirements for natural resource restoration and protection projects.

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. Treasury Department. 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 Office of Gulf Coast Restoration 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 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 funding Gulf Coast research and restoration projects. Every project funded with Direct Component funds must have performance measures. At present, these measures have been set by states, parishes, and counties on a project-by-project basis. OGCR has an opportunity to help grantees to be more systematic in how they measure success such that a more comprehensive story of the results can be shared publicly. In addition, a number of Federal agencies (e.g., agencies represented on the Gulf Coast Ecosystem Restoration Council and the Natural Resource Damage Trustee Council) and non-Federal organizations (e.g., the National Fish and Wildlife Foundation and the National Academy of Sciences) have received funds related to the Deepwater Horizon oil spill. There is a significant opportunity for these agencies to work together to foster communication and cooperation to ensure that projects are at best complementary and synergistic and at least are not duplicative. Finally, many of the 23 Florida counties and 20 Louisiana parishes have small staffs and lack the experience 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 will be essential to enhancing the capacity of counties and parishes.

Major topics:

- Ecosystem and economic restoration of the Gulf of Mexico region
- Performance measurement
- Environmental compliance
- Local government technical assistance

Expertise Desired

The fellow should have the following knowledge, skills, and abilities:

- Understanding of ecosystem restoration,
- Understanding of performance measurement,
- Experience with or interest in working with and providing technical assistance to local governments
- Demonstrated ability to work in teams
- Good communication skills
- Analytical skills and ability to organize information

Travel within DC (days per month)

1-2 days per month

Travel outside DC (days per month)

2 days every 2-3 months

Accepts Foreign Nationals

No

Position ID

E17-48

Position Title

Big Data Policy Specialist

Office Name

Office of the Chief Information Officer, NOAA

Portfolio Summary

NOAA's Big Data Project (BDP) is exploring ways with Amazon, Google, IBM, Microsoft, and the Open Commons Consortium whereby the value inherent in NOAA's data can be leveraged to pay for advanced cloud services (including storage, dissemination, and analytics) and support the US economy through the creation of new opportunities to utilize NOAA's vast data stores. Issues for the Policy Specialist include investigation of the possible financial models and business relationships that will allow contributors' intellectual property rights to be met within the BDP; to promote the creation of new information services upon BDP activities while still supporting "full and open" access to NOAA's data; and establishing appropriate financial structures and agreements across NOAA's Line Offices to efficiently support full cost recovery for their BDP-related efforts.

Expertise Desired

Some business and financial experience; interest in public policy; general understanding of existing federal open data policies

Travel within DC (days per month)

5

Travel outside DC (days per month)

5

Accepts Foreign Nationals

TBD

Position ID

E17-49

Position Title

Policy Analyst

Office Name

Office for Coastal Management, NOAA

Portfolio Summary

“Coastal management” is a term that covers the decisions and actions taken to keep the natural environment, built environment, quality of life, and economic prosperity of our coastal areas in balance. The Coastal Zone Management Act is the guiding legislation for this purpose, and NOAA’s Office for Coastal Management is the federal agency tasked with implementation.

Four major programs make up the Office for Coastal Management (OCM) and the Fellow will support our activities in managing all four programs.

National Coastal Zone Management Program – A unique federal and state partnership that provides the most direct implementation of coastal management policy. Thirty-four states have a federally approved coastal management programs.

National Estuarine Research Reserves – Leading the nation’s estuary science efforts, this program produces groundbreaking research and provides environmental health data. The network of 28 protected areas also contributes local, science-based training and education programs and provides unique recreational and place-based learning opportunities.

NOAA Coral Reef Conservation Program – Provides the sound science needed to preserve, sustain, and restore coral reef ecosystems.

Digital Coast – This website is the go-to source 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 (the Digital Coast Partnership) to address coastal issues.

This will be a dynamic year for the Office for Coastal Management. With a new administration taking office, the Fellow will have many opportunities for interactions with leadership and supporting the Office’s policy initiatives. Some activities the Fellow will support are:

Congressional Strategy: the Fellow will work with NOAA’s legislative and policy staff on our Congressional strategy, including preparing materials for Office leadership to conduct Hill briefings, as well as working with Office staff located outside Silver Spring to coordinate messages for District-level Congressional outreach. A key activity will be supporting efforts to reauthorize the Coastal Zone Management Act and Coral Reef Conservation Act, and to pass the Digital Coast Act, all of which will likely be introduced in Congress in early 2017.

Policy Development and Analysis: Support several ongoing coastal zone management policy initiatives, including an expansion strategy for the National Estuarine Research Reserve System and a nationwide assessment of the Coastal Zone Enhancement Program.

Communications Support: As the Office rolls out new initiatives, the Fellow will work with staff to elevate and provide visibility for these important efforts. This includes development of 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 NOAA and OCM leads that are best equipped to deliver the information.

Regional Coastal Resilience Grant Program: This new program provides grants to coastal states, local governments, and other organizations within a region to advance community resilience at the local and regional scales. NOAA awarded 12 grants in 2015-16 and we are preparing a new competition for 2017. The Fellow will assist highlighting the results of the current projects and planning for the next round of competition.

Expertise Desired

Desired Background Skills: This position provides an excellent opportunity for Fellows with a policy or legal background, or with some science experience, to gain exposure to the national ocean and coastal policy arena. Fellows with a science, policy, or legal background are encouraged to apply. The Fellow should be comfortable working independently and as part of a team of professional staff from all levels within the Office. Excellent written and oral communication skills are required.

Travel within DC (days per month)

2-10

Travel outside DC (days per month)

less than 5

Accepts Foreign Nationals

Yes

Position ID

E17-50

Position Title

NOAA/HUD Climate Science Policy Fellow

Office Name

Climate Program Office, Department of Commerce / NOAA

Portfolio Summary

The U.S. Department of Housing and Urban Development (HUD) is interested in and motivated to improve their program level connections to capacity building efforts related to research on climate impacts and response options. NOAA's Climate Program Office, Climate and Societal Interactions division (CSI) has been asked to team with the U.S. Department of Housing and Urban Development (HUD) to share a fellow that will work on projects that will promote climate data and tool understanding and application within communities served by HUD through their block grants. This fellow would also provide new opportunities for both federal entities to share relevant data, tools, and research and to develop new jointly beneficial activities.

CSI's mission is to improve resilience and preparedness in diverse socio-economic regions and sectors throughout the US and abroad through the use of climate knowledge and information. Our research advances the nation's understanding of climate-related risks and vulnerabilities across sectors and regions, and the development of tools to foster more informed decision making. HUD's extends this mission through aiming to create strong, sustainable, inclusive communities and quality affordable homes for all.

As a fellow within CSI, you will work on a variety of projects such as:

Helping to plan a series of roundtables focusing on inclusion of climate information, data, tools in city planning that will be held with the American Planning Association in the spring

Augmenting, with a team of experts, sections of the Climate Resilience Toolkit, Built Environment Section (<http://toolkit.climate.gov/topics/built-environment>)

Developing new tools specifically with and for communities that use climate information in their decision making

Communicating about opportunities, lessons learned, etc. via a range of social media to other federal offices as well as to the public

HUD is primarily interested in having a fellow that will be:

Focusing on climate services with a select crew of HUD grantees (local governments).

Working on projects that will promote climate data and tool understanding and application within communities.

As a fellow, you will also obtain experience in the federal policy arena such as:

Being a valuable member of the NOAA/CSI and HUD teams and have opportunities to: attend workshops and meetings, help administer competitive announcements of funding opportunities, organize and facilitate proposal panel reviews, and participate in CSI's engagement in efforts such as the US Global Change Research Program, the National Climate Assessment, the President's Climate Action Plan, and numerous other interagency and scientific efforts focused on resilience and adaptation.

Having opportunities to network with multi-disciplinary scientists, stakeholders, decision and policy makers working to support climate adaptation and resilience.

Expertise Desired

Written and oral communication and interpersonal skills with interest in climate adaptation at the community level.

Travel within DC (days per month)

2-4 days/month; note Fellow will spend discrete time periods (i.e., several months at a time) at each sponsoring office. NOAA is located in Silver Spring Maryland and HUD is located in Washington DC. Both are adjacent to a Washington DC metro station.

Travel outside DC (days per month)

0-3 days/month

Accepts Foreign Nationals

No

Position ID

E17-51

Position Title

Coastal and Ocean Data Services Coordinator

Office Name

National Centers for Environmental Information, NOAA

Portfolio Summary

The demand for high-value environmental data and information has dramatically increased in recent years. To improve our ability to meet that demand, NOAA formed the National Centers for Environmental Information (NCEI) by merging three data centers located around the country. NCEI is responsible for hosting and providing access to one of the most significant data archives on Earth, with comprehensive oceanic, atmospheric, and geophysical data. From the depths of the ocean to the surface of the sun and from million-year-old sediment records to near real-time satellite images, NCEI is the Nation's leading authority for environmental information.

Core Project 1: NOAA Ocean and Coastal Council (NOCC) Executive Secretariat for NESDIS

The NOAA Ocean and Coastal Council (NOCC) serves as the principal advisory body to the NOAA Administrator and focal point for the agency's ocean activities and interests. The purposes of the NOCC include the coordination of ocean and coastal activities across NOAA, NOAA's activities to implement the priorities of the National Ocean Policy and its representation in the new ocean governance structure, and NOAA's participation in the interagency National Oceanographic Partnership Program (NOPP). Members of the Council include the NOAA Line Office leadership at either the Assistant Administrator (AA) or Deputy AA levels. In this position, you will serve as the NESDIS executive secretariat, responsible for supporting the NESDIS rep to the NOCC by coordinating NESDIS input and position statements, arrangement of speakers and materials prior to the meetings, preparatory planning with council co-chairs and/or the other line office executive secretariats, and coordination of action items and any NESDIS responses. This position provides a high-level view of coastal and ocean issues across the entire organization as well as regular interaction at the highest levels of the agency.

Core Project 2: Coastal and Marine Data Science and Stewardship

For this portion of your fellowship experience you will be supporting activities within the NCEI Center for Coastal, Ocean, and Geophysics Information Services (CCOG). This Center has staff located across 4 locations, and the fellow will gain experience working with this wide geographic distribution. The goal of CCOG is to develop and deliver use-required products and services that bring together data providers, data consumers, scientists, and resource managers as a basis for support of coastal and marine ecological and observational processes. Projects for this portion of the position will be varied and developed depending on the interests and experience of the fellow. CCOG is interested in undertaking a review of the products and services they are currently providing and develop an engagement strategy to better meet the needs and requirements of the data users. The project will likely include visits to all NCEI locations to conduct interviews with the product principals, and will result in a report and implementation plan presented to NCEI leadership. NCEI is also planning to develop data management components for research and restoration projects that will be submitted to the 2018 RESTORE Council call for proposals. Coordination across participating NOAA Line Offices as well as other federal, state and local agencies, as well as academic partners is expected. The fellow is also given the flexibility to explore other ongoing NCEI activities or develop new coastal and marine data products and services.

Expertise Desired

Ability to communicate technical and scientific material to a variety of audiences concisely, in person and in writing. 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. However, the more relevant disciplines include oceanography, marine or coastal ecology, data science, and marine policy. This position is designed to offer a Fellow a diverse mix of assignments with broad intra/inter-agency exposure. The Fellow can expect to gain enhanced writing, coordination, planning and problem solving skills, and exposure to cutting-edge coastal, marine and data science issues.

Travel within DC (days per month)

~2 days per month

Travel outside DC (days per month)

2-3 days, ~3x/year

Accepts Foreign Nationals

No

Position ID

E17-52

Position Title

Policy / Program Analyst

Office Name

Office of Habitat Conservation, NOAA

Portfolio Summary

This position is based in NOAA within the National Marine Fisheries Service's Office of Habitat Conservation (OHC). The Fellow will assist OHC and Restoration Center (RC) Leadership and staff with evaluating proposed legislation, executive directives, and Agency policy potentially affecting NOAA habitat restoration authorities and activities. Additionally, the Fellow will assist in developing implementing Restoration Center policy and guidance across a wide-variety of programs including the Damage Assessment, Remediation, and Restoration Program (DARRP), and Fisheries Restoration Programs including the Community-based Restoration Program, and Ecosystem Resiliency initiatives.

Through this opportunity, the Fellow will establish nationwide contacts, pursue program related interests, develop new skills, and become familiar with coastal habitat restoration planning, management, and implementation processes. The incumbent will work with approximately 100 staff across the Headquarters in Silver Spring, MD, Northeast/Great Lakes, Southeast/Caribbean, Southwest/Pacific Islands, and Northwest/Alaska regional offices and will gain insight to habitat restoration programs and relevant policy issues.

One of the key mandates of the RC is to implement habitat restoration projects that benefit the recovery of listed species and contribute to building sustainable fisheries. Since 1992, the RC has carried out more than 3,300 habitat restoration projects within coastal watersheds throughout the country and has restored almost 130,000 acres of habitat. These projects have opened 6,000 miles of rivers and streams so that fish can reach their habitat. Through the Natural Resources Damage Assessment process, NOAA's DARRP has recovered more than \$10.3 billion from the parties responsible for ecological disasters including Deepwater Horizon, to protect and restore migratory fish, marine mammals, and coastal habitats.

Expertise Desired

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. 5. Interest in program management and partnerships.

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, partnership building, on the ground conservation, or program management is highly desired. Ability to communicate both verbally and in writing is also a plus.

Travel within DC (days per month)

5

Travel outside DC (days per month)

1

Accepts Foreign Nationals

Yes

Position ID

E17-53

Position Title

Foreign Affairs Fellow

Office Name

Office of International Affairs and Seafood Inspection, Department of Commerce/NOAA

Portfolio Summary

The 2017 Foreign Affairs Fellow will be expected to engage in a broad range of work within the Office of International Affairs and Seafood Inspection. The Fellow will have the opportunity to support U.S. engagement in regional fisheries management organizations and arrangements (RFMOs), intergovernmental organizations (IGOs), trade fora, bilateral negotiations, and other activities. The Fellow will participate in international and domestic meeting preparations (e.g., agenda development, consultations with constituents, drafting of background and policy papers for U.S. position development, compilation of briefing books, and drafting of talking points for use by negotiators), will provide direct, on-the-ground staffing to U.S. delegations, and will assist in meeting reporting and follow-up as necessary. Previous Fellows have supported U.S. efforts in: RFMOs such as the International Commission for the Conservation of Atlantic Tunas and the Commission for the Conservation of Antarctic Marine Living Resources; IGOs such as the United Nations and the Food and Agriculture Organization; trade fora like the Conference of the Parties (CoP) to the Convention on International Trade in Endangered Species of Wild Fauna and Flora and the Asia-Pacific Economic Cooperation forum); and bilateral meetings with Canada, the EU, China, Norway, and others. Additionally, the Fellow will be expected to assist in developing products for reporting and office outreach, intra- and interagency coordination, communications with foreign contacts, and other tasks as necessary. Relative to the Seafood Inspection Program (SIP), activities will primarily focus on enhancing the Fellow's knowledge regarding the importance of U.S. consumer confidence in seafood trade and the mission of the SIP to improve the marketability of seafood through product safety, quality assurance and stakeholder interests. Through this work, the Fellow will gain a greater understanding of the U.S. and global markets for seafood products and will be exposed to the design, procedures and implementation of activities of the NOAA Seafood Inspection Program. The Fellow will also support and/or participate in Office efforts relative to the creation of policy, interagency cooperation, destination country certification and field management. There will be access to principal managers overseeing the field services such as Processing Establishment audits, Fishery Product inspections, and Export certification. Please note that the exact duties of the Fellow will be determined by the needs of the office and the interests of the Fellow.

Expertise Desired

Strong written and oral communication skills. Ability to analyze and evaluate information and make informed recommendations. 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.

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

E17-54

Position Title

Ocean Observing Policy Fellow

Office Name

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

Portfolio Summary

U.S. IOOS is a truly unique and dynamic program in the federal government within NOAA. IOOS leads the nation in advancing ocean observing throughout the U.S. by connecting federal and non-federal partners at local, national, and global levels. By partnering with 17 federal agencies, 11 regional associations covering all the U.S. coastal and Great Lakes waters, and with industry, academia, and tribes, IOOS creates interactive, custom tailored tools that directly benefit the economy, public safety, and the environment. IOOS works at the intersection of public and private cooperation, facilitating and managing federal money, policies, and needs while coordinating delivery of critical technology and information. As a small and relatively new program, there is no shortage of ways to contribute to the office and the IOOS mission. Specifically, we are looking for an Ocean Observing Science, Technology, and Policy Fellow to lead development of a new strategic plan for U.S. IOOS, one that reflects the IOOS office goals as well as those of our interagency and non-federal partners. Because of the size of our office, you will have the chance to work closely with IOOS leadership, learning how our program is managed, including different leadership styles. You will work with both the IOOS Director and Deputy Director through this process, and you will have the opportunity to visit and network with NASA, the National Science Foundation, U.S. Coast Guard, Navy, Marine Mammal Commission, U.S. Army Corps of Engineers, and U.S. Geological Survey, among others. You will have the opportunity to work with local and regional observing partners to understand how IOOS is improving the safety and economy of local coastal communities facing significant challenges due to sea level rise and storms of increasing intensity and frequency. We want you to join us. Help us build stronger coalitions with our diverse partners and stakeholders, both within and outside of NOAA.

Expertise Desired

Strong written and oral communication skills; excellent collaboration and team building skills; enthusiasm and drive to engage and bring together stakeholders from diverse ocean observing communities

Travel within DC (days per month)

3-5

Travel outside DC (days per month)

1-3

Accepts Foreign Nationals

Yes

Position ID

E17-55

Position Title

International Enforcement Program

Office Name

Office of Law Enforcement, NOAA

Portfolio Summary

The NOAA Fisheries Office of Law Enforcement (OLE) is seeking a Sea Grant Fellow to work with us in coordinating efforts in our international fisheries enforcement program. The Fellow will work 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 illegal, unreported, and unregulated (IUU) fishing. This position will serve as a liaison with other NOAA offices offering the Fellow exposure to a wide range of NOAA international fisheries issues. The Fellow will also help develop policies to implement U.S. fisheries enforcement obligations under various international laws and treaties. The position will require the preparation of background papers for international meetings, training materials for international technical assistance projects. Assignments will help the Fellow gain an understanding of the range of enforcement issues in NOAA's portfolio and the overall efforts of NOAA to combat IUU fishing and the trafficking in IUU fish products. The Fellow will help coordinate, plan and participate in fisheries enforcement capacity building projects such as training workshops and joint operations in developing countries. The Fellow may also help coordinate reports and analysis of fisheries-related intelligence to identify IUU fishing trends and help coordinate enforcement responses. The Fellow will also gain exposure to other areas of OLE including work with our State and Territorial partners through our Cooperative Enforcement Agreement (CEA) Program. OLE expects that the Fellowship may include some domestic and/or international travel. The position is located in Silver Spring in the headquarters of NOAA's Office of Law Enforcement. 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.

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.

Travel within DC (days per month)

1-3 Days Days/Month

Travel outside DC (days per month)

1-3 Days Days/Month

Accepts Foreign Nationals

No

Position ID

E17-56

Position Title

Bycatch and Observer Program Specialist

Office Name

Office of Science & Technology, National Oceanic and Atmospheric Administration

Portfolio Summary

Fisheries observers are trained biological scientists who collect data critical to the mission of NOAA Fisheries, including data for stock assessments and annual catch and bycatch limits. Observers may spend days, weeks, or months aboard fishing vessels to gather first-hand data on what is caught and thrown back. This Fellowship opportunity is based in the NOAA Fisheries Office of Science & Technology's National Observer Program (NOP). The NOP coordinates 14 regional observer programs that deploy approximately 900 trained biological scientists each year. NOAA Fisheries uses observer data to create a series of U.S. National Bycatch Reports, which are of great interest to U.S. environmental organizations, as well as international organizations such as the Food and Agricultural Organization of the United Nations. The Bycatch and Observer Program Specialist Fellow will serve as a Co-Editor of the U.S. National Bycatch Report Second Edition and support the work of the NOP.

The NOAA Fisheries U.S. National Bycatch Report Second Edition is scheduled to be published at the end of 2017. This report will include bycatch estimates of fish, marine mammals, sea turtles, and seabirds for 2014 and 2015 for major U.S. fisheries around the country. The Fellow will make valuable contributions to this major national report by analyzing bycatch trends and the quality of bycatch monitoring programs. The Fellow also will have the opportunity to shape the communication of this report's conclusions by developing talking points, news stories, fact sheets, and journal articles. As a result of the Fellow's substantial contributions to U.S. National Bycatch Report Second Edition, he or she will be credited as Co-Editor of the report upon publication.

In addition, the Fellow may be able to help implement the NOAA Fisheries Action Plan for Fish Release Mortality Science by improving communications to recreational and commercial fishing communities regarding how release mortality estimates are created and used.

The Fellow also will have the opportunity to support the critical work of the NOP as it works to strengthen regional observer programs. In particular, the Fellow will be able to attend two national meetings of the National Observer Program Advisory Team. One meeting is scheduled for April 2017 at the Channel Islands National Marine Sanctuary in Santa Barbara, California. The fall meeting will be held at a location to be determined. For these meetings, the Fellow will be able to help administer the online agenda for the meeting, prepare meeting minutes, and, most importantly, make meaningful connections with NOAA Fisheries scientists and observer program managers from around the United States.

The Fellow may also:

- Assist with implementing national recommendations from a November 2016 Observer Provider Insurance Workshop.
- Develop outreach materials related to a major 2016 observer survey.
- Support the NOAA Fisheries Electronic Technologies Work Group.
- Help implement recommendations of an Observer Safety Program Review, which is of great interest to NOAA Fisheries leadership.

The Fellow will enjoy opportunities to participate in other national projects, such as organizing symposia on bycatch and/or observer program-related science at conferences such as the annual meeting of the American Fisheries Society. In addition to the travel opportunities listed above, the Fellow will have opportunities to travel to meetings in the Washington, DC area and various NOAA Fisheries Science Centers. By the completion of the Fellowship, the Fellow will have developed a professional network and gained a firm understanding of NOAA Fisheries science programs, as well as contributed to NMFS Technical Reports.

Related websites:

National Observer Program <http://www.st.nmfs.noaa.gov/observer-home/index>

National Bycatch Report <http://www.st.nmfs.noaa.gov/observer-home/first-edition-update-2>

Release Mortality Action Plan <http://www.st.nmfs.noaa.gov/ecosystems/bycatch/discard-and-release-mortality>

Electronic Technologies <http://www.st.nmfs.noaa.gov/advanced-technology/electronic-monitoring/index>

Safety Review <http://www.fisheries.noaa.gov/stories/2016/10/observer-safety-review.html>

Expertise Desired

Strong data analysis skills, including the ability to analyze and display data using Microsoft Excel; strong written and verbal communication skills; interest and enthusiasm about fisheries data collection and fisheries management; ability to work independently, as well as in a team setting.

Travel within DC (days per month)

3-5

Travel outside DC (days per month)

3-5

Accepts Foreign Nationals

Yes

Position ID

E17-57

Position Title

Education Policy Fellow

Office Name

Office of Education, NOAA

Portfolio Summary

NOAA Office of Education (OEd), with locations in downtown Washington D.C. and Silver Spring, M.D., is a Headquarters Staff Office within the Office of the Under Secretary of Commerce for Oceans and Atmosphere. OEd has three areas of emphasis: education leadership and coordination; higher education student opportunities; and competitive education grants and partnerships. The Office is charged with ensuring that NOAA's education programs and activities are well coordinated, serve constituents' needs, and support the agency's mission. OEd seeks a Sea Grant fellow to fulfill the position of Education Policy Fellow in the Washington, D.C. office. The fellow will have a diverse and flexible portfolio, which will include tasks such as providing support to OEd's efforts in the following areas:

- **Partnerships:** The fellow will have the opportunity to work at the nexus of NOAA, a science-mission agency, and innovative educational institutions such as the Exploratorium, the Smithsonian National Museum of Natural History, the Science On a Sphere Users Network, and the Coastal Ecosystems Learning Centers network to translate NOAA's science into the programs of these organizations. The fellow will also have the opportunity to work directly with NOAA's Science On a Sphere exhibit in Silver Spring, M.D.
- **NOAA Education Council:** The Council serves as a forum in NOAA for the discussion of ideas and proposals for NOAA-wide education and outreach activities and priorities and makes recommendations to NOAA leadership on all aspects of NOAA's educational activities. The fellow will have an opportunity to work with the Executive Secretary and the Chair of the NOAA Education Council to support Council activities and advance NOAA's education priorities. Duties may include: working with NOAA's lead educators to improve intra-agency programmatic coordination, planning and executing meetings and events related to the Education Council, supporting the implementation of the NOAA Education Strategic Plan, and designing and editing the annual NOAA Education Accomplishments Report.
- **Interagency efforts:** Office of Education represents NOAA in several interagency activities (e.g., Federal Committee on STEM Education, National Ocean Policy's Interagency Working Group on Ocean Education). The fellow will have the opportunity to support the Office Director and Deputy Director in these efforts by drafting agendas, attending meetings, and determining best approaches for representing NOAA's interests effectively in such fora.
- **Competitive grants:** The fellow will have the opportunity to support the Environmental Literacy and Bay-Watershed Education and Training programs. These programs provide national and regional grants to organizations that create, implement, and/or evaluate programs that address NOAA's educational goals for formal and informal education audiences. Specific duties may include: assisting with grants processing and programmatic planning, interacting with external partners and grantees, planning annual workshops and monthly meetings, and representing OEd at meetings and conferences. 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.

The fellow will also have the opportunity to support other efforts and projects in OEd as they relate to the fellow's background and specific interests. These opportunities may include: providing support to the OEd Director and Deputy Director and interacting with NOAA leadership, assisting with education-related outreach events and conferences, developing content or presentations for Science On a Sphere, and assisting with preparing NOAA's responses to Congressional inquiries. Through these duties, the fellow will learn about federal grantmaking and management, have opportunities for networking with future partners and potential employers, and work across NOAA Line Offices in support of education.

Expertise Desired

The fellow should possess the following skills and abilities: application of fact finding and investigative techniques; excellent interpersonal skills; ability to thrive in a highly collaborative and dynamic workplace; excellent written and oral communication skills; demonstrated organization skills; attention to detail; and, experience with MS Office applications (Word, Excel, PowerPoint). Also, it is desirable that the fellow possesses the following: degree, experience, or enthusiasm in education or educational outreach; experience and interest in translating science and policy for general audiences; experience with grant writing or proposal submission process; and, knowledge of, or prior involvement with, environmental or science education programs and activities.

Travel within DC (days per month)

3-6

Travel outside DC (days per month)

1-3

Accepts Foreign Nationals

Yes

Position ID

E17-58

Position Title

Climate and Societal Interactions Communications Specialist

Office Name

Climate Program Office, NOAA

Portfolio Summary

The Climate and Societal Interactions (CSI) Division's mission is to improve resilience and preparedness in diverse socio-economic regions and sectors throughout the US and abroad through the use of climate knowledge and information. Our research advances the nation's understanding of climate-related risks and vulnerabilities across sectors and regions, and the development of tools to foster more informed decision making. These efforts support NOAA's vision to create and sustain enhanced resilience in ecosystems, communities, and economies.

As a fellow in the Climate Program Office (CPO) CSI division you will lead the management of existing and develop new communication products and tools for the four CSI programs and the Division as a whole. Specifically, you will:

- Help articulate, document and visualize the major accomplishments of CSI programs by liaising with staff in the CPO Communications and Education program and the OAR public affairs office.
- Work with CSI-funded principal investigators to communicate research results and project outputs to a broader audience via websites, social media, internal NOAA communications channels, and other means.
- Collaborate with climate.gov and U.S. Climate Resilience Toolkit colleagues to integrate CSI-funded research results and products into the various sections of those widely read and high-profile websites.
- Work with the Sectoral Applications Research Program Manager to support the development of the Water Resources and Built Environment sections of the U.S. Climate Resilience Toolkit (<http://toolkit.climate.gov>).
- Develop a project that supports CSI communication efforts, is specific to your interests and goals for the fellowship, and allows you to test your creativity in promoting interdisciplinary research.
- Be a valuable member of the CSI team and have opportunities to: attend workshops and meetings, help administer competitive announcements of funding opportunities, organize and facilitate proposal panel reviews, and participate in CSI's engagement in efforts such as the US Global Change Research Program, the National Climate Assessment, the President's Climate Action Plan, and numerous other interagency and scientific efforts focused on resilience and adaptation.
- Have opportunities to network with multi-disciplinary scientists, stakeholders, decision and policy makers working to support climate adaptation and resilience.

Expertise Desired

Written and oral communication and interpersonal skills with interest in communicating actively with the climate adaptation community.

Travel within DC (days per month)

2-4 days/month

Travel outside DC (days per month)

0-3 days/month

Accepts Foreign Nationals

No

Position ID

E17-59

Position Title

Sea Grant Policy Fellow

Office Name

National Centers for Environmental Prediction, NOAA

Portfolio Summary

The Fellow will work primarily with the Ocean Prediction Center (OPC). OPC provides marine weather forecasts and hazard marine weather warnings and forecasts crucial for safe navigation in offshore waters and the high seas while meeting U.S. obligations under the international Safety of Life at Sea Convention. Working in OPC will provide the Fellow the opportunity work on a variety of marine weather, Arctic, and ocean related policy issues, while gaining the perspective of an operational forecasting center. The Fellow will interact with a wide range of programs, subject matter experts, and senior management and will gain insight into how decisions are made at NOAA, NWS, and NCEP.

Duties may include:

- Developing a legislative strategy and plan for NCEP. The Fellow will learn the congressional and legislative process, and be responsible for tracking legislation, attending hearings, assisting in the preparation for congressional visits and briefings, and reviewing congressional correspondence. The Fellow will serve as a liaison to NWS HQ and NOAA HQ congressional affairs.
- Coordinating changes to an interagency agreement on the operation of the National Ice Center (NIC). NIC is a Navy-NOAA-Coast Guard multi-agency operational center which provides provide global to tactical scale ice and snow products, ice forecasting, and other environmental intelligence services for the United States government. NWS will be joining NIC as a NOAA partner, and a substantial amount of inter-line office and interagency coordination will be required.
- Developing plans and inputs to the NWS annual operating planning, to implement OPC's new Strategic Plan, 2017-2021.
- Developing a robust customer outreach plan for OPC, to provide guidance and focus for outreach and communication efforts.
- Preparing, editing, and reviewing policy documents, briefings, and presentations.

Expertise Desired

Mandatory Skills: Excellent written and oral communication skills, strong interpersonal skills, excellent organizational skills, ability to translate technical information to a variety of audiences, and strong attention to detail are required.

Desired background skills: the ideal candidate will be an individual with a marine science or policy background interested in applying policy work to operational forecasting missions, ability to work independently, and take on initiative. An educational background in meteorology or climate science is not required.

Travel within DC (days per month)

1-10

Travel outside DC (days per month)

1-5

Accepts Foreign Nationals

No

Position ID

E17-60

Position Title

Strategic Engagement Fellow

Office Name

Office of Public Affairs, U.S. Department of the Interior, Bureau of Safety and Environmental Enforcement (BSEE)

Portfolio Summary

This position is located in the Office of the Director, BSEE headquarters, Washington, DC.

BSEE is the lead federal agency charged with improving safety and ensuring environmental protection related to the offshore energy industry on the U.S. Outer Continental Shelf (OCS). For more than 30 years, BSEE and its predecessor organizations, have aggressively maintained a comprehensive, long-term research program dedicated to improving oil spill response options and offshore safety through regulatory standards. In the wake of the Deepwater Horizon tragedy in 2010, BSEE has initiated new safeguards to protect workers and the environment. These new safety measures include heightened drilling safety standards to reduce the chances that a loss of well control might occur in the first place, as well as a new focus on containment capabilities in the event of an oil spill. BSEE is a forward-thinking regulator that is engaged in ongoing efforts to help industry develop and maintain a robust safety culture with a strong focus on offshore risk reduction.

This position provides an excellent opportunity to work with BSEE staff, DOI senior policy contacts, and administration officials across federal agencies working on the OCS with a focus on resource conservation, safety and environmental stewardship.

A major focus of this fellowship will be to develop processes to enhance the bureau's external communication program. Incumbent will also assist in the coordination of various science and technology research efforts in support of BSEE's mission programs.

This position serves as stakeholder engagement coordinator providing support and coordination between several divisions within the bureau and across agencies that share regulatory jurisdiction on the Outer Continental Shelf. Performance is at the senior analyst level. Incumbent will act as a liaison and provide communication and coordination of stakeholder engagement activities with federal and non-federal specialists. BSEE will work with the ideal candidate to design a unique developmental assignment.

Duties will include:

- Establish a national stakeholder outreach program which identifies targeted groups and priority topics and includes a measurement component;
- Develop materials and communication strategies to make research and technology advances accessible and understandable to broader, non-technical audiences;
- Facilitate harmonization of research activities and regulatory standards development;
- Develop a stakeholder engagement calendar for national program managers and senior leadership and facilitate meetings/events.

Expertise Desired

The successful candidate must have strong interpersonal skills; be an innovative self-starter who will thrive with limited supervision. Candidate needs to have excellent organizational skills; ability to gather

and edit written information from a wide array of sources and formats. Candidate will work independently on short deadlines; be highly flexible and creative with attention to detail. Must be able to monitor and track collaborative activities ensuring the completion of milestones and document progress toward completion, thus showing the accountability of programs involved in joint projects.

Website: <http://www.bsee.gov/>

Travel within DC (days per month)

As necessary.

Travel outside DC (days per month)

As necessary.

Accepts Foreign Nationals

No

Position ID

E17-61

Position Title

Climate Resilience Fellow

Office Name

National Coordination Office, US Global Change Research Program

Portfolio Summary

The Partnership for Resilience and Preparedness (PREP) is a newly-launched public-private collaboration between the White House Office of Science and Technology Policy (OSTP), World Resources Institute (WRI), the U.S. Global Change Research Program (USGCRP) and a network of diverse partners from the private and public sectors, and civil society. PREP aims to support data-driven approaches to improving climate resilience planning through the activities of three working groups focused on: 1) Data: seeking to reduce the barriers to accessing, contributing, and using data for climate resilience; 2) Platforms: developing platforms to enhance access to and usability of climate-relevant data and information; and 3) Engagement: promoting collaboration among data and information producers and users. Future Earth, one of PREP's partners who supports a major international research network focused on advancing global sustainability science, will co-lead PREP's Engagement Work Group along with WRI. Through its Engagement Work Group, PREP strives to develop, engage, and mobilize user communities in the US and around the world to understand their data and information needs to support climate resilience.

The Climate Resilience Fellow will support Future Earth's PREP activities, including serving as the Future Earth Coordinator for the PREP Engagement Work Group. In this position, the Fellow will lead the development, implementation and reporting of an assessment of the data and information needs of up to 10 user communities in the US and around the world. This responsibility will entail:

- leadership of the development of an assessment methodology, and the selection of communities,
- leadership of the assessment process itself, and the synthesis report that comes from the assessment process,
- engagement with the selected user communities to understand their data and information needs, and
- coordination of meetings, workshops, and webinars, as well as all documents and communications related to the Engagement Work Group.

The Climate Resilience Fellow will be housed at the U.S. Global Change Research Program, which coordinates the U.S. Federal side of PREP. USGCRP is a Federal interagency program established by Congress that coordinates and integrates global change research across 13 Federal agencies in order to assist the Nation and the world to understand, assess, predict, and respond to human-induced and natural processes of global change. In this setting, the Fellow's PREP activities will also support the USGCRP strategic priorities of advancing science and making it actionable and accessible. Working at USGCRP and in close coordination with Future Earth and USGCRP PREP team members, the Fellow will gain valuable policy and coordination skills and experience in a multi-agency, multi-stakeholder setting.

Expertise Desired

The Fellow is expected to demonstrate willingness to engage with national and international stakeholders on climate resilience issues, willingness to travel internationally, and to possess excellent communication and organizational skills. Experience with international community outreach and engagement strategies is desired.

Travel within DC (days per month)**Travel outside DC (days per month)****Accepts Foreign Nationals**

Yes

Position ID

E17-62

Position Title

Aquaculture Program Fellow

Office Name

Office of Aquaculture, NOAA

Portfolio Summary

The Sea Grant Fellow will work with National Marine Fisheries Service's (NMFS) Office of Aquaculture (OAQ) but will also interact frequently with our regional and science center staff, as well as the other two headquarters offices that comprise NOAA's Aquaculture Program (see below). The Fellow may work with on a variety of projects including:

- Work with NOAA scientists to better translate and communicate their research information to lay audiences
- Develop innovative outreach products, e.g., web sites, videos
- Develop a historical perspective and analysis of NOAA research grants to industry, academia and other partners to follow and evaluate their long term results and effectiveness at helping to achieve NOAA objectives.

If the fellow has specific skills or interest in other relevant areas (e.g., socio-economics, legal/regulatory) we can work with him/her to develop suitable projects.

Background

Currently, over 90% of the seafood Americans consume is imported and half of that is farmed. That imbalance has led to an annual seafood trade deficit of \$14 billion. A robust domestic aquaculture industry - as a complement to wild harvest fisheries – will help to support U.S. jobs, maintain working waterfronts, provide a domestic alternative to increased dependence on imported seafood, and maintain healthy oceans. Aquaculture is also used as a tool to restore or enhance wild stocks, endangered species, and habitats (e.g., salmon hatcheries and oyster reef restoration).

Our mission is to provide science, services, and policies to support the significant expansion and sustainability of U.S. marine aquaculture. We work with other federal and state agencies to make the aquaculture regulatory process more efficient within the context of the agency's stewardship missions. We support research on innovative aquaculture practices such as developing more sustainable aquaculture feeds, spatial planning, and developing ways to predict and avoid environmental effects. We also have a strong outreach focus to inform the public about marine aquaculture topics.

About the Program

The NOAA Aquaculture Program leads NOAA's efforts to support development of sustainable marine aquaculture. The Program includes activities in three NOAA line offices - National Marine Fisheries Service, National Ocean Service, and Oceanic & Atmospheric Research - each with distinct and complementary roles.

NMFS Office of Aquaculture

NMFS focuses on addressing the regulatory, technical, and scientific barriers to domestic marine aquaculture development. The headquarters office and regional aquaculture coordinators address regulatory bottlenecks by implementing permitting efficiencies around the nation. NMFS also comprises

the majority of NOAA's in-house aquaculture research, with activities at Science Centers in Milford, CT; Manchester, WA; and La Jolla, CA. Research and development efforts focus on developing science-based tools for management to assess and minimize potential environmental impacts and developing new culture techniques and technologies.

Oceanic & Atmospheric Research (OAR) Sea Grant Program

OAR's Sea Grant Program integrates aquaculture research, extension and education through the national office and 33 state Sea Grant programs across the U.S. coasts and Great Lakes. Sea Grant manages NOAA's primary extramural grant competition for aquaculture industry development. These grants support research and extension activities at universities, industry, and environmental organizations. Sea Grant extension agents live and work in coastal communities, providing science-based information to local governments and citizen groups, and transferring technologies to industry.

National Ocean Service (NOS) National Centers for Coastal Ocean Science (NCCOS)

NOS's National Centers for Coastal Ocean Science (NCCOS) supports coastal managers and the aquaculture industry by developing coastal planning and management tools and services, including assessing potential environmental impacts of aquaculture. These efforts provide the scientific intelligence required for proper siting of marine aquaculture while maintaining healthy and resilient marine ecosystems.

Expertise Desired

Mandatory Skills

We are looking for someone who can hit the ground running in an energetic and challenging work environment. The fellow must have excellent communication skills including the ability to successfully translate technical and policy information for a non-technical audience. The fellow must be organized, detail-oriented, have a propensity for critical thinking and analysis, and a willingness to learn new skills. An interest in networking within and outside the agency is a must, along with basic computer skills, and some knowledge of social media tools.

Desired Skills

Ideally, we'd like someone who has a background in marine resources science, policy and/or communication skills. In previous professional or academic experiences, the fellow should have demonstrated an ability to undertake and complete tasks on schedule with a minimum of oversight, and take the initiative to solve problems.

Travel within DC (days per month)

2-4

Travel outside DC (days per month)

2-4. These tend to come in clusters, e.g. a week at a time a few times a year.

Accepts Foreign Nationals

Yes

Position ID

E17-63

Position Title

Technical Lead

Office Name

Advisory Committee for the Sustained National Climate Assessment, NOAA

Portfolio Summary

The Technical Lead will report to the Executive Director for the Advisory Committee for the Sustained National Climate Assessment, who oversees the Advisory Committee's activities and provides logistical, travel, and administrative support for the Advisory Committee and its subcommittees. In addition, the Executive Director serves as the designated federal officer (DFO). The DFO ensures that legal requirements are met (Federal Register notices, meeting planning, public access to records, etc.), serves as liaison between committees and NOAA and USGCRP or the public, and provides a host of editorial and technical services to committee chairs and members. Information about the committee's scope, membership, and inaugural meeting may be found at <http://sncaadvisorycommittee.noaa.gov/Home.aspx>

The Advisory Committee has recommended establishing three subcommittees:

- A task force on "Partnerships for Actionable Knowledge" would develop options for Advisory Committee products or activities that explore approaches the USGCRP could use to establish and support enduring partnerships to apply available products, identify decision support needs, improve communication and comprehension of climate science, and achieve other sustained assessment objectives.
- A task force on "Climate data/projections for design processes" would scope options for establishing a sustained dialogue among architects, engineers, state/local planners, climate and physical impacts scientists, and science translators to clarify uses and needs for information on future mean and extreme conditions under a changing climate. The group would consider ways of structuring a dialogue, required participation, information requirements for design processes, approaches for providing/communicating information, resource requirements, etc.
- A task force on "Coastal Community Resilience" would consider how the sustained assessment process could better support cross cutting (regional) analysis of coastal issues. The group would consider integrated urban impacts including the potential for cascades of impacts across infrastructure and systems. Key questions include how assessment-derived information could be used to inform decisions about a broad range of strategies and what additional decision support is needed given extant resources provided through Federal, state, and local channels.

The Technical Lead shall provide program/project analysis, including: planning and organizing of activities and analyses in support of the Advisory Committee; and performing professional or technical work related to program management. Technical Leads shall also have the skills and ability to analyze and evaluate information required by Advisory Committee Executive Director/Designated Federal Officer (DFO) and Working Groups.

Work directly with the Advisory Committee, particularly on its in-person meetings two times a year, its teleconferences and actions between meetings, as well as managing agendas, task lists, email and web communications. Provide support for meetings particularly the editing and staffing for minutes and

reports including research, citations, and soliciting and reviewing public comments with no supervision or rework. Support for the subcommittees includes: planning and organizing in-person and virtual meetings; developing agendas in consultation with the DFO and working group leadership; independently working on research and analyses to ensure sustained National Climate Assessment activities are of the highest quality; and provide technical support (i.e., edit and staff working group products) required to accomplish the working group's specific charge.

Expertise Desired

Ability to ensure the integrity of the advice provided by the Advisory Committee; strong interpersonal, communication (written and oral), analytical and evaluation skills; and ability to work in a highly dynamic environment. Preference: expertise in a field such as environmental science, socio-economics or engineering.

Travel within DC (days per month)

1-2

Travel outside DC (days per month)

Rare

Accepts Foreign Nationals

TBD

Position ID

E17-64

Position Title

Science Communication Specialist

Office Name

National Sea Grant Office, NOAA

Portfolio Summary

The Sea Grant Science Communication Specialist will sit at the center of the complex and important transfer of information that exists between research to policy, research and management, and perhaps most importantly, between research and every day use. Sea Grant is a unique federal-university partnership program. It is not solely a federal program. Rather, it's a network of university-based scientists and outreach specialists located within the coastal communities they assist. Communicating about Sea Grant's work requires an understanding of the connections and information paths between university-based research, community needs, government partnerships, and science-based policy. It requires one to become rooted in what marine and coastal science policy mean "on the ground" to individuals and communities. This fellowship experience will allow the Science Communication Specialist to gain a broad understanding of how these many entities work together for coastal communities while maintaining their important distinctions.

The Science Communication Specialist will use their science-based foundation to gain experience drilling down complex messages into a variety of formats to reach the many audiences of the National Sea Grant Office, including NOAA and executive branch leadership, Congress, federal and non-federal partners, community leaders, and the general public.

During this fellowship, 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 communication products, and tracking impact.

Assignments may include interviewing Sea Grant researchers and extension specialists on research to application efforts and then using the interviews for written stories and visual support products; researching and developing infographics to explain Sea Grant efforts related to aquaculture research and industry; and researching and developing story maps on coastal community resilience.

Skills and experiences gained will include:

- Science writing
- Planning and delivering oral briefings to NOAA leadership and Sea Grant partners
- Development of data visualization and digital animation products
- Development of highly visual web content to supplement written content
- Travel to interview Sea Grant professionals and partners
- Operation of basic video and photography equipment to illustrate stories (Go Pro, smart phone, digital SLR)
- Communication planning
- Evaluation of communication efforts

Expertise Desired

The Sea Grant Science Communication Specialist 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, and Sea Grant university-based researchers, extension staff, educators, and communicators. This position does not require any specific topical expertise. The Fellow should have a strong background in any of the following: biological, physical, environmental, meteorological, or social sciences; economics; resource management; or coastal and marine law and policy. Research or applied experience in issues related to fisheries, aquaculture, environmental or natural resource science, or environmental policy and education is desirable. Some understanding of data visualization methods and tools as well as GIS knowledge is preferred. An interest in learning video and photography techniques for science communication and in learning creative software used to develop communication products (i.e. Adobe Creative Cloud products) is desirable.

Travel within DC (days per month)

2-8

Travel outside DC (days per month)

0-7

Accepts Foreign Nationals

Yes

Position ID

E17-65

Position Title

Aquatic and Marine Resources Advisor to the National Climate Assessment

Office Name

National Climate Assessment, US Global Change Research Program

Portfolio Summary

Lead coordinator for the Oceans and Coastal Chapters of the National Climate Assessment; strong role and potential lead for the Water Chapter as well; advisor for integration of marine resources and other aquatic issues throughout the rest of the report, especially in the regional chapters.

Expertise Desired

- Collaborative work style in addition to being a self-starter and able to work independently on multiple projects
- Excellent coordination skills to facilitate up to 3 chapter authorship teams and other integration
- Experience with scientific assessments ideal but not required

Travel within DC (days per month)

3-4

Travel outside DC (days per month)

varies

Accepts Foreign Nationals

Yes

Position ID

E17-66

Position Title

Coastal Resilience Analyst

Office Name

National Sea Grant Office, NOAA

Portfolio Summary

The Coastal Resilience Analyst will join the dynamic team in the National Sea Grant Office that supports the network of 33 Sea Grant Programs in coastal and Great Lakes states and territories. These programs help coastal Americans apply science to their daily lives through research, education, communication and extension. Sea Grant has focused its efforts in 2014-2017 into four strategic areas: Environmental Literacy and Workforce Development; Healthy Coastal Ecosystems; Resilient Communities and Economies; and Sustainable Fisheries and Aquaculture.

The Coastal Resilience Analyst will strategically examine Sea Grant's resilience portfolio, including its critical partnerships and future needs. The Analyst will conduct a deep review of Sea Grant's resilience activities, examining responses to crises (e.g., Hurricane Matthew, Sandy, and major oil spills) and our efforts to prepare communities for future events (e.g., climate change, extreme weather events, sea level rise, ocean acidification, tsunamis). The Analyst will also work with members of the Sea Grant network to prepare materials for use in future events, build a framework to allow Sea Grant to respond more effectively to those events, and strengthen critical partnerships around our responses. The Fellow will present these results to the larger Sea Grant community, Sea Grant leadership, and other partners to make sure that they are useful and well known.

The Fellow will also get exposure to day-to-day activities of a NOAA National Program Office, which could include: budget proposals, taskers, briefings, and communications within their area of expertise. The Fellow will have opportunities to participate in activities for Sea Grant's crosscutting themes: social science, climate change, and regional collaborations and research. More information on these topics is at <http://seagrants.noaa.gov/WhatWeDo>.

Job Summary:

- Evaluate and synthesize Sea Grant Network research and extension activities surrounding community and ecosystem resilience;
- Represent the National Sea Grant Office at workshops and conferences involving the national Sea Grant network;
- Assess the Sea Grant network's research portfolio, identify Sea Grant programs' research priorities and participate in reviews of National Sea Grant extramural grant competitions;
- Develop outreach materials for Sea Grant's national priorities and strategic goals;
- Interact with experts from the Sea Grant network on topical issues;
- Develop and execute projects of his/her own initiative around Sea Grant Resilience efforts;
- Foster and participate in interagency and intergovernmental working groups, partnership efforts and collaborations; and
- Participate as a member in Sea Grant's National networks.

The National Sea Grant Office is an interesting office environment with a highly experienced staff that is always eager to lend a hand. Close interaction with the 33 Sea Grant programs around the country make for a work environment that is collegial, intellectually stimulating, flexible, grounded in the community good, and always focused on bringing the country's intellectual might to bear on the coasts' most pressing issues.

Expertise Desired

The Sea Grant 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, and Sea Grant university-based researchers, extension staff, educators, and communicators. This position does not require any specific topical expertise. The Fellow should have a strong background in any of the following: biological, physical, environmental, meteorological, or social sciences; economics; resource management; or coastal and marine law and policy. Research or applied experience in issues related to fisheries, aquaculture, environmental or natural resource science, or environmental policy and education is desirable.

Travel within DC (days per month)

3-5

Travel outside DC (days per month)

1-3

Accepts Foreign Nationals

Yes