

## 2019 Executive Host Positions

Position ID	Federal Agency	Position Title	Foreign National
<a href="#">E19-01</a>	U.S. Navy	Interagency & International Policy Liaison	No
<a href="#">E19-02</a>	U.S. Navy	Policy Liaison	No
<a href="#">E19-03</a>	NOAA OAR	International Activates Fellow	No
<a href="#">E19-04</a>	Maritime Administration	Policy Advisor to the Executive Director	No
<a href="#">E19-05</a>	NOAA NOS	Ocean Policy Analyst	Yes
<a href="#">E19-06</a>	NOAA OAR	Research and Development (R&D) Specialist Liaison	Yes
<a href="#">E19-07</a>	NOAA NMFS	Endangered Species Program Specialist	Maybe
<a href="#">E19-08</a>	NOAA NOS	Coral Reef Conservation and US Coral Reef Task Force Fellow	Yes
<a href="#">E19-09</a>	NOAA OAR	Special Assistant to the Assistant Administrator for Oceanic and Atmospheric Research	No
<a href="#">E19-10</a>	NOAA OAR	Science Policy Analyst	Yes
<a href="#">E19-11</a>	EPA	Coastal Management Fellow	No
<a href="#">E19-12</a>	DOE	Marine Science Analyst & Energy Innovation Coordinator	Maybe
<a href="#">E19-13</a>	NSF	Environmental Policy Specialist	No
<a href="#">E19-14</a>	NOAA NMFS	Fishery Management Specialist	No
<a href="#">E19-15</a>	NOAA OAR	Global Ocean Observing Fellow	Yes
<a href="#">E19-16</a>	NOAA OAR	International Ocean Liaison	Yes
<a href="#">E19-17</a>	NOAA HQ	Congressional Affairs Fellow	Yes
<a href="#">E19-18</a>	NOAA NMFS	Fishery Management Specialist	Yes
<a href="#">E19-19</a>	EPA	EPA National Nutrient Criteria Program Fellow	Yes
<a href="#">E19-20</a>	Marine Mammal Commission	Communications and Policy Analyst	Maybe
<a href="#">E19-21</a>	White House Executive Office of the President	Ocean Policy Fellow	No
<a href="#">E19-22</a>	NOAA NOS	Coastal Policy Analyst	Yes
<a href="#">E19-23</a>	NOAA HQ	International Affairs Fellow	No
<a href="#">E19-24</a>	USFWS	Coastal and Marine Resources Specialist	No
<a href="#">E19-25</a>	NOAA OAR	Climate Resilience Specialist	Maybe
<a href="#">E19-26</a>	NOAA NOS	Marine Protected Areas Climate and Interagency Coordinator	Yes
<a href="#">E19-27</a>	NOAA OAR	International Liaison: Ocean Acidification Coordination and Capacity Building	No
<a href="#">E19-28</a>	NOAA OAR	OAR Ocean Portfolio Manager	Maybe
<a href="#">E19-29</a>	NOAA OAR	Congressional Affairs Specialist	Yes
<a href="#">E19-30</a>	NOAA NMFS	International Policy Fellow	Yes
<a href="#">E19-31</a>	NOAA OAR	Ocean Exploration Fellow	Yes
<a href="#">E19-32</a>	NOAA OAR	Science Communications Specialist	Yes
<a href="#">E19-33</a>	NOAA NMFS	Foreign Affairs Specialist	No
<a href="#">E19-34</a>	NOAA HQ	Policy Analyst	Yes
<a href="#">E19-35</a>	USACE	Advisor to the Technical Director, Civil Works R&D	No

<a href="#">E19-36</a>	NOAA OAR	Communications and Program Analyst	Maybe
<a href="#">E19-37</a>	NOAA NOS	Biological ocean observing science and policy fellow	Yes
<a href="#">E19-38</a>	NOAA NMFS	International Fisheries Science Specialist	Yes
<a href="#">E19-39</a>	USFWS	Special Assistant to the Deputy Assistant Director, Ecological Services	Yes
<a href="#">E19-40</a>	NSF	Ocean Sciences Policy Fellow	Yes
<a href="#">E19-41</a>	U.S. Department of State	OMC Knauss Marine Policy Fellow	No
<a href="#">E19-42</a>	NOAA NMFS	Recreational Fisheries Economics Fellow	Yes
<a href="#">E19-43</a>	NOAA NMFS	Fisheries Science Coordinator	Yes
<a href="#">E19-44</a>	NOAA NMFS	NOAA Fisheries Electronic Technologies Coordinator	Yes
<a href="#">E19-45</a>	NOAA NMFS	Marine Ecologist	Yes
<a href="#">E19-46</a>	Bureau of Safety and Environmental Enforcement	Science and Policy Analyst	No
<a href="#">E19-47</a>	NOAA HQ	Data Policy Fellow	Maybe
<a href="#">E19-48</a>	NOAA NMFS	Fishery Management Specialist	Yes
<a href="#">E19-49</a>	NOAA OAR	Budget Formulation Analyst	Maybe
<a href="#">E19-50</a>	DOE	Science and Technology Fellow, Advanced Algal Systems	No
<a href="#">E19-51</a>	NOAA NMFS	Policy and Communication Specialist – Marine Mammal Health and Stranding Response Program	Yes
<a href="#">E19-52</a>	NOAA OAR	OAR Evaluations Fellow	Maybe
<a href="#">E19-53</a>	U.S. Department of Treasury	Gulf Coast Restoration Policy Fellow	No
<a href="#">E19-54</a>	NOAA NOS	Program Analyst	Maybe
<a href="#">E19-55</a>	NOAA NMFS	Special Assistant to Director, Office of Habitat Conservation	Maybe
<a href="#">E19-56</a>	USFWS	Congressional and Legislative Affairs Fellow	Yes
<a href="#">E19-57</a>	NOAA HQ	Science Education Fellow	Yes
<a href="#">E19-58</a>	NOAA NMFS	Restoration and Ecosystem Services Fellow	Yes
<a href="#">E19-59</a>	NOAA NOS	Coastal Resilience Science Fellow	Maybe
<a href="#">E19-60</a>	NOAA NWS	Marine Policy Assistant	No
<a href="#">E19-61</a>	NOAA NOS	Conservation Science Division - Project Lead	Yes
<a href="#">E19-62</a>	NOAA OAR	Research Integration Specialist	Yes
<a href="#">E19-63</a>	NOAA NESDIS	GEO Blue Planet Policy Fellow	Yes
<a href="#">E19-64</a>	NOAA OAR	NIHHIS Communications and Outreach Specialist	Yes
<a href="#">E19-65</a>	NOAA NOS	Precision Navigation Fellow	No
<a href="#">E19-66</a>	NOAA NMFS	Marine Mammal Permitting Policy Fellow	Maybe

**Position ID**

E19-01

**Position Title**

Interagency & International Policy Liaison

**Agency**

U.S. Navy

**Office**

Oceanographer of the Navy

**Portfolio Summary**

The Oceanographer of the Navy is the representative of the Chief of Naval Operations for the Naval Oceanography Program and Naval Oceanography policy, which includes operational environmental support to Department of Defense (DoD), NATO, and coalition forces worldwide. Naval Oceanography includes oceanography, meteorology, geospatial information & services, navigation, and precise time & astrometry.

The Oceanographer of the Navy is also the Naval Deputy to NOAA and interfaces directly with the NOAA Administrator on issues of mutual interest to Navy and NOAA.

The Deputy Oceanographer/Technical Director provides guidance to the Oceanographer of the Navy and often represents Department of Defense and Joint Chiefs of Staff in high level interagency meetings. The Oceanographer of the Navy has a dedicated seat on the Ocean Science and Technology Intergovernmental Policy Subcommittee under President Trump's new Ocean Policy Committee, established by Executive Order 13840. The Deputy Oceanographer also represents the Joint Staff on the OPC's Ocean Resource Management subcommittee.

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

Specific duties are tailored to the individual Sea Grant fellow, but will likely include involvement with the high level subgroups under the Ocean Policy Committee, which provides the opportunity to work with high-level officials from numerous agencies. The fellow will likely have opportunity to work on many cooperative issues between Navy and NOAA. Previous fellows have also been involved in issues such as high level ocean policy development, Congressional liaison and testimony writing, data collection and release, ocean observing systems, NATO issues, public data release, and Law of the Sea issues. The fellow would work closely with many other Navy offices as well. The Oceanographer of the Navy's main office is located at the Pentagon, but the staff also has offices at the Naval Observatory. It is expected that the Knauss fellow will work out of the Naval Observatory, but frequent travel to the Pentagon will be required.

**Expertise Desired**

The most important things desired in a fellow are willingness to learn and an ability and desire to communicate. This position is tailored to the strengths, weaknesses and goals of the individual Fellow. We will help the fellow to shore up weak areas, and build upon their strengths. Since our office works a

broad range of issues for Navy at very high levels, exposing the fellow to a wide range of important issues is usually fairly easy to do. The Navy believes in giving maximum authority to its people and wants to be amazed by the capabilities they show in return. We do not expect a fellow to know much about the Navy or Naval Oceanography when they arrive - we expect they will need to learn what they need to know once they get here. We want a fellow who would like to contribute and make a difference for the country!

Due to the need for the fellow to obtain an interim security clearance as well as their final security clearance, our office can only accept US citizens and cannot accept US citizens with dual citizenship.

**Travel within DC (days per month)**

8

**Travel outside DC (days per month)**

2

**Accepts Foreign Nationals**

No

**Position ID**

E19-02

**Position Title**

Policy Liaison

**Agency**

Department of the Navy

**Office**

Office of the Deputy Assistant Secretary of the Navy (Environment)

**Portfolio Summary**

The Department of the Navy's Office of the Deputy Assistant Secretary of the Navy (Environment) works towards enhancing environmental protection; implementing environmental planning and restoration efforts ashore and afloat; and incorporating conservation initiatives of natural and cultural resources both on and off Department of the Navy property. The Fellow would work with senior leadership and staff across a broad range of issues, such as natural and cultural resource protection, marine species protection, ocean pollution and prevention, environmental technology, conservation banking, and environmental strategic communication. The Fellow would also serve as a liaison for the Office on any number of topics with the White House, 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**

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

**Travel within DC (days per month)**

3-5

**Travel outside DC (days per month)**

2-3

**Accepts Foreign Nationals**

No

**Position ID**

E19-03

**Position Title**

International Activities Fellow

**Agency**

National Oceanic & Atmospheric Administration

**Office**

OAR International Activities Office

**Portfolio Summary**

Located in NOAA's Oceanic and Atmospheric Research (OAR) headquarter office in Silver Spring, Maryland, the International Activities Office (IA) serves as the focal point and principal staff office to the OAR Assistant Administrator (AA) on international policy and science program matters, facilitates international collaboration and partnerships, serves as an interface between the policy and research community, and works with OAR Senior Leadership, laboratories, divisions, programs and NOAA headquarters to identify and act on the international science needs in OAR and NOAA.

Duties of the Fellow will include:

- Leading and supporting programmatic matters involving environmental science and research activities with China and Canada;
- Supporting the planning and preparations for the UN Decade of Ocean Science for Sustainable Development and other programmatic areas such as Arctic research;
- 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 research.

The Fellow will report to Rene Eppi, Director of the OAR International Activities Office, but will work closely with other IA staff members.

**Expertise Desired**

Background in environmental policy or research. International experience and

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

**Travel within DC (days per month)**

1-3

**Travel outside DC (days per month)**

0-6

**Accepts Foreign Nationals**

No

**Position ID**

E19-04

**Position Title**

Policy Advisor to the Executive Director

**Agency**

Maritime Administration

**Office**

US Committee on the Marine Transportation System

**Portfolio Summary**

This unique full-time position provides important professional expertise within the Executive Secretariat of the US Committee on the Marine Transportation System (CMTS). ([www.cmts.gov](http://www.cmts.gov)) The CMTS is an interdepartmental interagency maritime policy coordinating committee directed in statute to report on the state of the maritime transportation system (MTS), coordinate maritime transportation policy, and align maritime transportation with other modes of transportation and the environment. You will be the professional staff lead with interagency initiatives related to the U.S. Arctic, maritime innovative science and technology, and new White House initiatives related to ocean policy, as well as specialized CMTS projects appropriate to the Fellow's expertise and interests. This position provides an exceptional opportunity to work and network with professionals from 25+ Federal Departments and agencies (including NOAA; U.S. Coast Guard; U.S. Army Corps of Engineers; Departments of Energy and Interior; EPA) and White House offices (including Office of Science and Technology Policy; Ocean Policy Committee) to enhance Federal interagency policy development for the MTS. Working under the direct supervision of the Executive Director (Knauss Fellow '83) and with senior staff, the Fellow will have an opportunity to propose, draft, and recommend actions that affect high-level USG policy. The Fellow will have direct responsibility to manage 1-2 big projects and support CMTS operations. The Fellow will be encouraged to observe and report on Congressional hearings and briefings, attend high and mid-level policy meetings and industry activities, as appropriate. Some social media engagement may be in the portfolio. You won't be stuck in your cubicle! The knowledge gained from the experience will provide foundational skills and expertise which may assist in acquiring further employment in government and the private sector but will put you "in the know" how business gets done in the Federal government. The position is located at the Department of Transportation, a Gold LEED state-of-the-art Federal office building in SE Washington, across the street from the Navy Yard Metro station on the Green Line, and located a short distance to the House of Representatives, Nationals Stadium, Eastern Market, and the SE and SW waterfront developments.

**Expertise Desired**

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



**Travel within DC (days per month)**

2-5 days per month.

**Travel outside DC (days per month)**

As agreed upon.

**Accepts Foreign Nationals**

No

**Position ID**

E19-05

**Position Title**

Ocean Policy Analyst

**Agency**

NOAA National Ocean Service Headquarters

**Office**

Policy and Constituent Affairs Division

**Portfolio Summary**

Coastal communities, economies and ecosystems are facing unprecedented changes and challenges ranging from more severe storms and sea level rise to oil spills and harmful algal blooms. We need the best minds -- your mind -- to join the dynamic policy team in the headquarters of NOAA's National Ocean Service (NOS), where you will assist NOS leadership and programs in addressing complex coastal challenges and support our engagements with Congress, the White House, other federal and state agencies, and constituents.

We are seeking a Fellow to support our engagement on the future of National Ocean Policy and with NOAA's Ocean and Coastal Council. The Fellow will have opportunities to organize and support activities at conferences, including Capitol Hill Oceans Week. The fellow will be our "go to" person for managing incoming requests from Congress, the White House, and external organizations. This position will provide a broad perspective on how NOAA programs fit into broader ocean and coastal policy discussions and activities.

The National Ocean Service (NOS) is one of NOAA's major branches and houses the agency's most diverse missions and programs. Because of our broad portfolio, we are open to developing a portfolio to accommodate a Fellow's interests. NOS programs include Coastal Zone Management, National Marine Sanctuaries and Marine Protected Areas, coral reef conservation, coastal resiliency and adaptation planning, oil spill response, marine debris, harmful algal blooms and hypoxia, and ocean and coastal science. NOS is also the nation's provider of coastal maritime, navigation, observing, and geographic information systems and services, including producing the nation's nautical charts, serving as the authoritative source for sea levels, tides, and shoreline and home to the Digital Coast and Integrated Ocean Observing System.

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

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

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.

**Expertise Desired**

Oral and written communications skills; tech savvy; able to multitask; and of course a good sense of humor. While all applicants are encouraged to interview, this position is an excellent opportunity for candidates with mostly science backgrounds to gain experience in ocean and coastal policy, including congressional affairs and interagency coordination

**Travel within DC (days per month)**

3-5

**Travel outside DC (days per month)**

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

**Accepts Foreign Nationals**

Yes

**Position ID**

E19-06

**Position Title**

Research and Development (R&D) Specialist Liaison

**Agency**

National Oceanic and Atmospheric Administration

**Office**

Office of Laboratories and Cooperative Institutes

**Portfolio Summary**

The Knauss Fellow will join our dynamic NOAA's Oceanic and Atmospheric Research's LCI Team supporting the NOAA Research Council working group, Research and Development Enterprise Committee.

Specific activities include:

- Developing enhanced analytical capabilities for the NOAA Research and Development Database (NRDD). As a NRDD project team member, the fellow will build a NOAA data science community of practice by identifying and facilitating the use of data science tools and techniques, including a text analysis tool.
- Responding to request for NOAA R&D data and analyses.
- Training users and demonstrating the NRDD.

As an NRDD Team member you will work across NOAA's offices to increase the reach of the NRDD. The Knauss Fellow will be expected to build and develop relationships with NOAA offices, and will have the option to explore and work on other Oceanic and Atmospheric Research Headquarters projects that contribute to NOAA's mission. There may also be opportunities to travel to the OAR research labs.

Overall, there is flexibility and opportunity to define the Fellow's duties in such a way as to capitalize on her/his knowledge, experiences, and interests. The Fellow will be expected to execute assignments with creativity, skill, and independence.

**Expertise Desired**

Experience working in and with a team. Sincere interests in increasing efficiencies for scientists and administrators and in delivering tools for federal agency decision makers to understand and manage a multi-million dollar research and development portfolio.

Preferred working styles include:

- Self-starter;
- Team player;
- Flexibility;
- Strong communication skills;
- Strong analytical skills and interest in data science; and,
- Strong organizational abilities.

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

**Travel within DC (days per month)**

1-3 days per month

**Travel outside DC (days per month)**

1-2 days per month

**Accepts Foreign Nationals**

Yes

**Position ID**

E19-07

**Position Title**

Endangered Species Program Specialist

**Agency**

NOAA

**Office**

Office of Protected Resources

**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, designating critical habitat for those threatened and endangered 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 designation of critical habitat for threatened and endangered species, and the implementing recovery actions for those 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)**

0-1

**Accepts Foreign Nationals**

Maybe

**Position ID**

E19-08

**Position Title**

Coral Reef Conservation and US Coral Reef Task Force Fellow

**Agency**

NOAA

**Office**

Coral Reef Conservation Program

**Portfolio Summary**

The NOAA Coral Reef Conservation Program (CRCP) is a partnership among four NOAA Line Offices. The CRCP was established in 2000 by the Coral Reef Conservation Act to protect, conserve, and restore the nation's coral reefs by maintaining healthy ecosystem function. The CRCP brings together expertise from across NOAA for a multidisciplinary approach to understanding and conserving coral reef ecosystems. The Program is leading efforts to study and conserve coral reefs due to an increasing number of threats, including pollution, unsustainable fishing practices, and global climate change. In addition to working with scientists across NOAA, the Program partners with state and territorial governments, academic institutions, non-governmental organizations and community groups. The CRCP seeks a Sea Grant fellow in the Silver Spring, MD office. The fellow will have a diverse and flexible portfolio, which will include tasks such as providing support to the CRPs efforts in the following areas:

**Partnerships/Cross-Agency Collaboration:**

The fellow will have the opportunity to support the NOAA Co-Chair of the US Coral Reef Task Force, Rear Admiral Timothy Gallaudet, and be a part of the leadership team of the USCRTF steering committee. Task Force meetings will be in Washington, DC and either the US Virgin Islands or Palau in FY19. The USCRTF was established to lead U.S. efforts to preserve and protect coral reef ecosystems. The USCRTF includes leaders of 12 Federal agencies, seven U.S. States, Territories, Commonwealths, and three Freely Associated States. The USCRTF helps build partnerships, strategies, and support for on-the-ground action to conserve coral reefs.

**CRCP Support:**

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

- Implementation of the new Coral Program Strategic Plan. Topic areas include working with State and Territorial partners to prioritize activities to reduce local stressors on coral reefs like land-based sources of pollution and fishing impacts and working with partners to prioritize coral restoration efforts in the face of warming and more acidified waters, disease and other threats.
- Supporting the National Coral Reef Monitoring Program through the development of synthesis products using NCRMP data, developing new ways to analyze data, helping to produce coral status reports and/or annual data summary reports
- Supporting the CRCP external funding portfolio. Specific duties may include: assisting with grants processing and programmatic planning and interacting with external partners and

grantees. The fellow benefits by gaining an insider's perspective on how federal grant competitions are managed while supporting NOAA's efforts to build public engagement and understanding.

- Responding to congressional inquiries on NOAA coral issues including technical drafting assistance for any Bill introduced to reauthorize the Coral Reef Conservation Act.

**Expertise Desired**

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

**Desired Background Skills:** Familiarity with science, policy and/or management issues related to coral reef ecosystems & associated organisms is a plus.

**Travel within DC (days per month)**

infrequent, perhaps 1-2 depending on time of year

**Travel outside DC (days per month)**

Travel for summer CRTF meeting, other travel depending on interest of Fellow

**Accepts Foreign Nationals**

Yes



**Position ID**

E19-09

**Position Title**

Special Assistant to the Assistant Administrator for Oceanic and Atmospheric Research

**Agency**

National Oceanic and Atmospheric Administration

**Office**

Oceanic and Atmospheric Research, Front Office

**Portfolio Summary**

Looking for an opportunity to work at the intersections of science, policy and management? Eager to build on your scientific knowledge and put your skills to use in an applied way? Want to better understand how federal science and research organizations work and the strategies that are used to ensure that they produce mission-relevant research that both advances scientific understanding and delivers societal benefits? If so, this is the ideal position for you.

The Oceanic and Atmospheric Research (OAR) Line Office or “NOAA Research” conducts and sponsors cutting-edge science in support of NOAA’s mission under the broad themes of oceans and coasts, climate, and weather. OAR consists of seven federal research laboratories around the country, seven program offices, sixteen Cooperative Institutes, and 33 university based Sea Grant programs. Due to the diverse nature of the work and portfolio, the Fellow will experience a wide range of topics related to NOAA's science and technology enterprise. The Fellow will work directly with OAR’s Assistant Administrator (AA), Deputy Assistant Administrators (DAAs), and Chief of Staff (CoS), and can expect to learn first-hand the complexities associated with operating a large science organization from the leadership level. They will provide policy advice, lead briefings on a variety of science and administrative topics, and staff the AA at important meetings and select travel. The Fellow will learn how decisions are made at several levels of government (Line Office, agency, federal government, Capitol Hill), and have an opportunity to contribute to those decisions. This is an ideal position for those seeking to enhance their management and leadership skills while gaining a high level appreciation for science and research in the federal service.

The Fellow will be uniquely positioned in OAR’s executive office suite and will have the opportunity to lead special projects that are of interest to the Fellow.

Examples of special projects lead by previous Fellows:

- Participating in meetings with members of Congress on Capitol Hill
- Leading the organization of special sessions and plenaries at the Marine Technological Society Oceans international conference
- Serving as OAR's Executive Secretariat on NOAA's Ocean and Coastal Council (NOCC), a principal advisory body to NOAA’s Office of the Under Secretary
- Supporting the role of the Assistant Administrator (in IOC role) in creation of a roadmap to the UN Decade of Ocean Science for Sustainable Development
- Assisting in development of OAR priorities for NOAA’s Blue Economy initiative
- Facilitating the development of incentive prizes with the XPRIZE Foundation

- Coordinating an international Workshop on Ocean Acidification
- Supporting the official U.S. Delegation to the Intergovernmental Oceanographic Commission (IOC), the United Nation's organization for marine science
- Working with attorneys from the Office of General Council on NEPA compliance issues for marine research
- Supporting NOAA's efforts to implement the National Ocean Policy

**Expertise Desired**

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

**Travel within DC (days per month)**

3-5

**Travel outside DC (days per month)**

3-5

**Accepts Foreign Nationals**

No

**Position ID**

E19-10

**Position Title**

Science Policy Analyst

**Agency**

NOAA

**Office**

Office of Laboratories and Cooperative Institutes (LCI)

**Portfolio Summary**

Located in NOAA's Oceanic and Atmospheric Research (OAR) headquarter office, the Office of Laboratories and Cooperative Institutes (LCI) supports the NOAA Chief Scientist and OAR Deputy Assistant Administrator (DAA) for Science. LCI is a small office focused on enhancing the alignment of OAR labs to NOAA's mission and accelerating the transition of research to applications, operations, commercialization, and other uses. The fellow will be engaged in developing research policy at the highest levels of NOAA with ample opportunities to work closely with NOAA leadership.

Specific activities the fellow may in engage in include:

- Collaborating with a NOAA cross line office team to support the NOAA Chief Scientist. Activities include developing talking points and presentations for the NOAA Chief Scientist, developing White Papers on research policies, and producing the annual NOAA Science Report showcasing NOAA research accomplishment for the year.
- Supporting the activities of NOAA Research Council – a cross-NOAA strategic council responsible for developing NOAA's Research & Development Policy. Activities will include researching, planning, organizing, developing, presenting, and coordinating council activities.
- Engaging at the science-policy interface, supporting the highest levels of leadership at OAR. Examples of possible work include visiting OAR research laboratories, and publishing in the scientific literature on the impact of OAR's science on society.

The fellow will work on NOAA-wide tasks and activities be expected to build and develop relationships with labs and offices across both OAR and NOAA. In performing these duties, the fellow will lead projects to determine implications of national and NOAA policies on OAR science and strengthen her/his communication skills by regularly presenting the results of their projects to OAR and NOAA leadership to inform management decisions. The incumbent fellow will develop an understanding of the diverse scientific activities at OAR's federal labs with regard to physical, chemical, and biological oceanography and limnology, as well as atmospheric and climate sciences. There may also be opportunities to travel to the OAR research labs.

Overall, there is flexibility and opportunity to define the Fellow's duties in such a way as to capitalize on her/his knowledge, experiences, and interests. The Fellow will be expected to execute assignments with creativity, skill, and independence.

**Expertise Desired**

Experience working in and with a team. Sincere interests in helping scientists from multiple disciplines identify common points of interest within their work to improve the overall quality of research and development within the OAR enterprise.

Preferred working styles include:

- Self-starter
- Team player
- Flexibility
- Strong communication skills
- Strong organizational abilities

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

**Travel within DC (days per month)**

1-3

**Travel outside DC (days per month)**

1-3

**Accepts Foreign Nationals**

Yes

**Position ID**

E19-11

**Position Title**

Coastal Management Fellow

**Agency**

Environmental Protection Agency

**Office**

Office of Wetlands, Oceans & Watersheds - Ocean & Coastal Management Branch

**Portfolio Summary**

Background: This fellowship is unique in that it is a joint fellowship opportunity between the Environmental Protection Agency (EPA) and the Coastal States Organization (CSO). The specific EPA office is the Ocean and Coastal Management Branch (OCMB), located in EPA's Office of Water.

EPA's Office of Water leads national programs to protect, restore, enhance, and maintain the nation's wetlands, streams, marine waters, estuarine waters, and other special aquatic resource sites as authorized under the Clean Water Act. OCMB is the focal point within the Office of Water for leading programs to prevent and mitigate ocean and coastal acidification, regulate pollution from vessels in coastal and ocean waters, protect coral reefs and their habitats, prevent land-based sources of marine litter from entering waterways, meeting the goal of "no net loss" of coastal wetlands, and improving resilience of estuaries to coastal hazards. The goals are met by working collaboratively across EPA, with other federal agencies, state, tribal and local government, as well as non-governmental organizations.

CSO is a non-profit 501(c)(4) established in 1970 to represent the Governors of the Nation's coastal states, commonwealths and territories on legislative and policy issues relating to the management of coastal, Great Lakes, and ocean resources. CSO Staff work to support the activities of their members, the Governor-appointed delegates from the 34 state Coastal Zone Management programs. These members are senior officials from state environmental, natural resource, or planning agencies. CSO Staff support their members through legislation, funding, and building partnerships with federal agencies. The Coastal Zone Management program is administered through NOAA, and CSO works closely with NOAA-NOS-Office of Coastal Management Staff, and leaders of the National Estuarine Research Reserve system.

OCMB and CSO Staff both work to support the environmental and economic sustainability of ocean and coastal communities that are home to over 40% of the U.S. population. The Fellow will have the unique opportunity to serve as a direct liaison between federal and state representatives, as facilitated by a well-connected and nimble non-profit.

Location: The Fellow will be placed at EPA Headquarters located on Constitution Ave. in Downtown D.C. and will split time at the CSO offices near the U.S. Capitol.

Responsibilities: The Knauss Coastal Management Fellow will play a critical coordination role in an ongoing effort to more effectively integrate the work of EPA and the activities of CSO. Specifically, the Fellow will assist program staff in OCMB on activities that are part of its work plan and that would benefit from greater interaction and collaboration with the Coastal Zone Management community. This can include briefing EPA Staff across the Office of Water on CSO activities and connecting EPA resources

to members via CSO's platform. The Fellow can expect to participate on CSO Work Groups that organize CSO members around specific issues such as Coastal Hazards and Coastal Nonpoint Source Pollution. The Fellow will participate in the planning and execution of CSO's Winter and Fall Meetings, which bring members together to discuss administrative objectives, strategic priorities, and to learn directly from other partner agencies and organizations. Issues or projects for EPA/CSO coordination could include: The National Estuaries Program, Climate Ready Estuaries, coastal wetlands loss, coastal nonpoint source pollution, ocean and coastal acidification, coral reef protection through watershed management, clean marinas, and hazard mitigation planning and resilience. The Fellow will have the flexibility to develop their own program portfolio, based on their own interests.

**Expertise Desired**

Knowledge and experience in coastal science and coastal management will be helpful. Experience working with diverse groups, including state and local environmental managers will be helpful. Facilitation, communication, and planning skills, and subject knowledge of coastal environments, are desired. Skills with conveying technical material both orally and in writing, for a variety of audiences, are valued. Fellows will need to take the lead on their principal projects, however other work will be more collaborative. The office settings of EPA headquarters, and the CSO office are busy, and the Fellow will be exposed to the work and projects of other Staff in both offices.

**Travel within DC (days per month)**

EPA and CSO offices are in relative proximity in Washington DC. The Fellow will spend time in both offices each week. At times, the fellow will attend meetings in other locations accessible by walking, the Metro, and very occasionally via Ubers/Lyfts/Taxi

**Travel outside DC (days per month)**

0 - 5

**Accepts Foreign Nationals**

No

**Position ID**

E19-12

**Position Title**

Marine Science Analyst & Energy Innovation Coordinator

**Agency**

Department of Energy

**Office**

Water Power Technologies Office

**Portfolio Summary**

Marine and hydrokinetic technologies (MHK) harness renewable, carbon-free energy from the power of waves, tides, ocean currents, and ocean thermal energy. The MHK Team within the Water Power Technologies Office works to facilitate the development and deployment of these technologies in an environmentally-sound and cost-effective way through focused research and development, stakeholder collaboration, and funding opportunities to overcome technology and deployment barriers. As a member of the MHK Team, Fellows will have the unique opportunity to work at the intersection of marine science, marine instrumentation, policy, economics, environmental sustainability, and renewable energy. Energy policy and rapidly developing new technologies are key determinants of marine environmental policy; through engagement on issues related to renewable energy deployment in coastal waters, fellows can expect to actively affect a wide variety of issues critical to environmental policy in the oceans. Fellows also will be afforded the opportunity to work on emerging marine policy issues, particularly concepts and opportunities associated with an emerging interagency focus on “The Blue Economy”. The WPTO is scoping a new Program focus area to explore how energy system innovation could enable growth in sustainable ocean industries and contribute to coastal community resilience. The Fellow will work closely with the WPTO Stakeholder Engagement and Outreach team to develop closer collaboration and coordination between federal agencies through various mechanisms, such as the National Oceanographic Partnership Program (NOPP). A specific interest in FY 19 is ocean observing instrumentation, and the energy needs associated with these technologies.

Additionally, the fellow will have the opportunity gain direct project management experience. The MHK Team, with an annual average appropriated research budget of roughly \$70 million, works constantly to scope new research opportunities for private companies, universities, DOE national laboratories and NGOs to address the highest priority needs for new foundational research and technology development within the nascent MHK industry. The current portfolio of more than three-dozen ongoing research projects covers the spectrum from oceanographic research and data collection to better characterize high-energy MHK resources, component engineering and system development / testing of new prototype systems at-sea, new high-performance environmental monitoring instrumentation development and associated research to characterize potential environmental risks from the deployment of MHK technologies, and data synthesis and dissemination to multiple users (including federal and state regulatory agencies, policy-makers, researchers, and technology developers). In FY 19, the WPTO expects to develop new funding mechanisms to advance program goals—prizes, clusters, and consortia are all being considered; the Fellow will have an opportunity to help in developing these new opportunities alongside WPTO and laboratory staff. One initial focus is expected to be wave powered desalination technologies; an interest in water, desalination, and resilient coastal communities, in

addition to the marine environment, is a plus. Ocean observing and partnerships with the ocean observing community is another area that could benefit from new funding mechanisms, such as prizes, and the Fellow will have the opportunity to shape ongoing work in these areas.

Work for previous Fellows have been tailored to the interests and experience of the individual given the breadth of work within the portfolio, but duties will likely include assisting in the management and execution of environmental research, policy, and regulatory initiatives regarding marine renewable energy. As described above, this year's Fellow will have an opportunity to focus on emerging program focus areas, including the Blue Economy, distributed applications for MHK technologies, energy innovation in ocean observing systems, and the energy-water nexus. There will also be opportunities for a Fellow to provide management and oversight for individual new and/or ongoing research projects if desired. The Fellow may also have the opportunity to help determine programmatic research priorities and develop future R&D and policy efforts. Depending on the final assignments, the position would report to the Program Manager for MHK R&D (Tim Ramsey) and/or the Program Manager for Strategic Planning and Analysis (Hoyt Battey), who both report directly to the Office Director (Alejandro Moreno).

Specific responsibilities may include:

- Working in a dynamic team setting to understand key technological, ecological, regulatory and socio-economic issues and best practices for environmentally sustainable MHK development
- Providing policy and program support for interagency collaboration around energy innovation in the Blue Economy, through mechanism such as the National Oceanographic Partnership Program.
- Developing recommendations for addressing barriers to testing and deployment of MHK devices and work with regulatory agencies to help address data needs and perceptions of risk that lead to permitting challenges for new technologies
- Assessing proposed legislation relevant to marine renewable energy development
- Interacting with industry and environmental groups to determine highest priorities for future research
- Providing support and analysis to the DOE-led Federal Offshore Renewable Energy Working Group
- Other duties as required.

### **Expertise Desired**

The MHK Team's portfolio of activities are broad, covering a wide variety of marine science and policy areas. Expertise in any of the following areas would be desired and immediately relevant. Previous experience in marine renewables is definitely not necessary, but a desire and drive to learn is essential.

- Background in physical oceanography, data collection, and/or modeling of waves and currents. Experience with ocean observing or monitoring technologies, IOOS, and other aspects of the "Ocean Enterprise"
- Background or interest in ocean economics, technology innovation pathways, and market analysis
- Marine mammal or fish biology, with any focus on impacts assessment, monitoring or research into potential environmental effects of human uses of the oceans to sensitive species desired



- Any relevant experience / familiarity with offshore renewable energy technologies, including offshore wind, wave energy, ocean thermal energy, tidal/current energy, or newly proposed marine bio-algal aquaculture systems
- Marine engineering or instrumentation / monitoring technology design and operation
- Policy work or experience regarding commercial/industrial uses of ocean space, including but not limited to offshore oil/gas development, offshore renewable energy development, aquaculture development, other deep-sea mining or minerals extraction, or testing of military hardware in coastal waters
- Ability to synthesize and communicate complex information to various stakeholders

**Travel within DC (days per month)**

up to 5

**Travel outside DC (days per month)**

up to 3

**Accepts Foreign Nationals**

Maybe

**Position ID**

E19-13

**Position Title**

Environmental Policy Specialist

**Agency**

National Science Foundation

**Office**

Office of Polar Programs

**Portfolio Summary**

The Office of Polar Programs (OPP) supports research in all areas of fundamental science and engineering in the polar regions through research grants and awards to universities and other research organizations. OPP's responsibilities also include management of the U.S. Antarctic Program (USAP) which provides for infrastructure, operations, and logistics needed for the conduct of its research programs. In addition, OPP interfaces with other federal agencies to meet their mission needs in Antarctica, and interfaces with foreign national Antarctic programs for cooperation in logistical support for science or for US interests under the Antarctic Treaty. OPP works with interagency and international partners to ensure the highest standards of environmental stewardship in Antarctica.

A Fellow would be a full member of the environmental policy team focusing on Antarctica and would benefit from exposure to a range of issues, including the development of interagency and international policy, the development of marine and terrestrial protected area management plans, and environmental impact assessment of activities in Antarctica. A Fellow would gain an understanding of a broad range of environmental protection activities and their interrelationship with scientific research and operational activities. Working with members of the U.S. Delegation to the Antarctic Treaty and the U.S. Delegation to the Commission for the Conservation of Antarctic Marine Living Resources (CCAMLR) would provide insight into the development and implementation of science policy and management. A fellow would gain first-hand knowledge of the translation of science into policy.

The general overview of the Fellow's responsibilities follows. Final projects and responsibilities will be based on the Fellow's experience and interests, and the current priorities of the Office. All previous Fellows have spent a month in Antarctica, as part of the U.S. Antarctic Program. During this time, the Fellow would work with the onsite environmental team in its activities, such as environmental training, field trips to research sites, field audits of environmental impact assessments and in oversight of operations from an environmental perspective.

- Assist in the development and review of management plans for specially protected and specially managed areas in Antarctica.
- Working with interagency partners, assess U.S. contributions to research in support of the Research and Monitoring Program of the Ross Sea Marine Protected Area (the world's largest Marine Protected Area, adopted through CCAMLR).
- Review environmental impact assessments of science and operational activities at U.S. Antarctic research stations and research ships.

- Work with OPP's Permit Officer in the management of permits under the Antarctica Conservation Act.
- Prepare position papers on environmental topics that the United States plans to submit to the Committee for Environmental Protection of the Antarctic Treaty.
- Participate in interagency working groups in support of environmental protection in Antarctica.

Opportunities for participation in the U.S. Delegation to the Antarctic Treaty and/or for participation in a relevant CCAMLR working group or workshop are expected as part of the Fellow's year in OPP.

#### **Expertise Desired**

A background in ecosystem science, environmental science, interdisciplinary studies, or environmental policy is desirable and field experience would be a plus. Strong skills in oral and written communication are important. The work style of Polar Programs is collaborative and interactive and involves working with a diverse group of stakeholders, including scientists and engineers, as well as with environment, safety and logistics experts.

#### **Travel within DC (days per month)**

1-3

#### **Travel outside DC (days per month)**

Up to 30 days

#### **Accepts Foreign Nationals**

No

**Position ID**

E19-14

**Position Title**

Fishery Management Specialist

**Agency**

NOAA/NMFS

**Office**

Office of Sustainable Fisheries

**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/dissertation would also be available.

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

- Rules and/or Fishery Management Plan amendments for HMS to implement recent national actions including National Standard 1, Ecosystem Based Fishery Management, and Standardized Bycatch Reporting Methodology;
- Rules and/or Fishery Management Plan amendments for various HMS and HMS issues as a result of negotiations at the International Commission for the Conservation of Atlantic Tunas annual meeting (held in Nov. 2018);
- Continued implementation of Individual Bluefin Tuna Quota system and other bluefin tuna management measures;
- Various shark rulemakings and Fishery Management Plan amendments;
- Rulemaking resulting from new biological opinion(s) on various HMS fisheries;
- Addressing recreational fisheries and bycatch issues; and
- Creation of tools to better enable constituents to understand HMS fisheries and management.

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

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

- Contacts with state, recreational, commercial, and environmental constituents.

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

**Expertise Desired**

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

**Travel within DC (days per month)**

<1 but depends on actions/projects

**Travel outside DC (days per month)**

<2 but depends on actions/projects

**Accepts Foreign Nationals**

No

**Position ID**

E19-15

**Position Title**

Global Ocean Observing Fellow

**Agency**

NOAA

**Office**

Global Ocean Monitoring and Observing

**Portfolio Summary**

The mission of the Global Ocean Monitoring and Observing (GOMO) Program in OAR is to support long-term, sustained global open ocean observations. The observing network provides critical information across NOAA, including the National Weather Service, Fisheries, and satellite support services. GOMO supports 50% of the global open ocean observations including the programs of Global Drifters, Argo, OceanSITES, GO-SHIP Repeat Hydrography, global sea level network, and more! Sustaining these long-term records is vital to monitoring the climate record, improving predictive capabilities in weather and climate models, and understanding decadal trends (i.e ENSO, AMOC).

Next year will be an exciting time for ocean observing. There will be a large international conference called Ocean Obs '19 (where you will attend!), a meeting that happens once a decade where scientists from around the world gather to discuss our approach to observing the ocean and how to improve and expand our methods.

Both Fellows will be full members of the Program and will work on projects that the Fellow can serve as lead or as part of a team. The Fellows, will have the opportunity to attend/hold meetings, participate in various professional development training, and work on their thesis/dissertation if needed. As a part of GOMO, fellows will have the opportunity to go on a research cruise to gain first hand experience and learn more about the ocean observing enterprise.

Our office is looking for TWO Fellows who will work on separate projects, but will also have some overlap, especially concerning activities leading up to the Ocean Obs '19 conference. Project details and fellow responsibilities are described below.

One fellow will focus on the Ocean and Arctic Portfolios by contributing to several projects and offering leadership whenever possible. This will provide the fellow with the opportunity to get a broad overview of the wide-range of projects supported by GOMO.

**Oceans Portfolio:**

- The Future of Ocean Observing workshop (participation by the world's leaders in Ocean Observing)
- Planning will involve learning about all of the projects within our office and cutting edge technology in the ocean observing field
- In advance of the meeting, contribute to agenda development and logistics planning
- Organize and lead discussions, including strategic planning
- Contribute to communications describing notable outcomes

- Tropical Pacific Observing System (TPOS) Project ([www.tpos2020.org](http://www.tpos2020.org))
- Organize and lead cross-NOAA TPOS Working Group monthly calls
- Organize and support TPOS Executive Group quarterly meetings
- Help lead NOAA-wide TPOS efforts and assist with international TPOS efforts

#### Arctic Portfolio:

- Support the Interagency Arctic Research Policy Committee (IARPC), a federally-mandated body that reports annually to congress on Arctic science
- Provide secretariat support (running and coordinating meetings etc) to the IARPC “Environmental Intelligence” Collaboration Team, which coordinates research and communication on policy and stakeholder relevant issues (e.g. food security/safety, navigation/maritime safety)
- Contribute to and support the development and roll-out of the 2018 Arctic Report Card
- Provide logistical support and planning of the 2019 Arctic Research Cruise (you can also sail!)
- Provide support to various GOMO Projects of interest to the Fellow, as needed.
- Benefits for the fellow:
  - Be on the cutting edge of planning the next decade of ocean observing
  - Help shape NOAA’s mission in ocean observing towards relevant policy and national needs

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

#### Travel within DC (days per month)

1-3

#### Travel outside DC (days per month)

1-3

#### Accepts Foreign Nationals

Yes

**Position ID**

E19-16

**Position Title**

International Ocean Liaison

**Agency**

NOAA

**Office**

Global Ocean Monitoring and Observing

**Portfolio Summary**

The mission of the Global Ocean Monitoring and Observing (GOMO) Program in OAR is to support long-term, sustained global open ocean observations. The observing network provides critical information across NOAA, including the National Weather Service, Fisheries, and satellite support services. GOMO supports 50% of the global open ocean observations including the programs of Global Drifters, Argo, OceanSITES, GO-SHIP Repeat Hydrography, global sea level network, and more! Sustaining these long-term records is vital to monitoring the climate record, improving predictive capabilities in weather and climate models, and understanding decadal trends (i.e ENSO, AMOC).

Next year will be an exciting time for ocean observing. There will be a large international conference called Ocean Obs '19 (where you will attend!), a meeting that happens once a decade where scientists from around the world gather to discuss our approach to observing the ocean and how to improve and expand our methods.

Both Fellows will be full members of the Program and will work on projects that the Fellow can serve as lead or as part of a team. The Fellows, will have the opportunity to attend/hold meetings, participate in various professional development training, and work on their thesis/dissertation if needed. As a part of GOMO, fellows will have the opportunity to go on a research cruise to gain first hand experience and learn more about the ocean observing enterprise.

Our office is looking for TWO Fellows who will work on separate projects, but will also have some overlap, especially concerning activities leading up to the Ocean Obs '19 conference. Project details and fellow responsibilities are described below.

This position focuses on high-level international coordination and engagement for two distinct projects:

- Ocean Obs '19, a decadal conference held on September 16-20, 2019 that will explore the future of ocean observation networks and strengthen user connections to enhance these systems over the coming decade (<http://www.oceanobs19.net/>). Responsibilities will include:
- Coordinate U.S. Agency participation (e.g. by leadership, town halls, etc) to insure high visibility and impact for U.S. ocean observing agencies
- Develop articles and materials communicating outcomes of OO19 for target audiences
- Translate outcomes from the meeting to help develop vision for the next decade of ocean observing
- Facilitate international teams of high-level oceanography experts, and conduct miscellaneous tasks associated with the program, sponsorship, and local organization.



- Act as a liaison between international organizing committees
- Facilitate the organization and coordination of panel discussions prior to the event
- United Nations Decade of Ocean Science for Sustainable Development (2021-2030)
- The UN is developing a framework that will ensure ocean science can fully support countries in creating improved conditions for sustainable development of the Ocean (<https://en.unesco.org/ocean-decade>)
- Support development of relevant products such as objectives and preliminary plans for Ocean observing under the Decade (especially in U.S. priority areas)
- Engage with international partners to ensure U.S. interests are represented, as well as keep U.S. planning efforts on track.

Benefits for the fellow:

- Be on the cutting edge of planning the next decade of ocean observing
- Help shape NOAA's mission in ocean observing towards relevant policy and national needs.

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

#### **Travel within DC (days per month)**

1-3

#### **Travel outside DC (days per month)**

1-3

#### **Accepts Foreign Nationals**

Yes

**Position ID**

E19-17

**Position Title**

Congressional Affairs Fellow

**Agency**

NOAA

**Office**

Office of Legislative and Intergovernmental Affairs

**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
- Excellent organizational skills

**Travel within DC (days per month)**

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

**Travel outside DC (days per month)**

Infrequent/Variable

**Accepts Foreign Nationals**

Yes

**Position ID**

E19-18

**Position Title**

Fishery Management Specialist

**Agency**

NOAA Fisheries

**Office**

Office of Sustainable Fisheries

**Portfolio Summary**

Saltwater recreational anglers are NOAA Fisheries' largest single constituency. In 2015 anglers took 60 million fishing trips, generated \$63 Billion in sales impacts, and supported 439,000 jobs – a major economic driver for our coastal economies. This is your chance to help shape the future of this flourishing American sport and industry.

The Domestic Fisheries Division within the Office of Sustainable Fisheries works on national policy and management issues pertaining to fisheries occurring in U.S. federal waters. Within the Division, you will be a part of a dynamic team charged with improving management of recreational fisheries and strengthening external relations by engaging with fishermen, States, and councils across the nation. As a part of the RecFish team you will assist NOAA Fisheries in delivering on its commitments including producing regional snapshots of recreational fishing impacts and planning a video shorts contest focused on highlighting the contributions of recreational fishing.

Potential projects include:

- Lead development of a video shorts conference/contest highlighting recreational fishing.
- Coordinate collaborative habitat improvement projects within and outside the Agency
- Update regional recreational fisheries snapshots for external distribution.
- Investigate international recreational fisheries management approaches and data collection systems to inform potential future application in the U.S.
- Lead development and execution of a two-day meeting for NMFS' regional recreational coordinators from across the nation.
- Assist with strategic planning and budgeting for the Recreational Fisheries National Engagement Initiative.
- Participate in recreational fisheries constituent meetings and tradeshow.
- Monitor Agency progress in fulfilling the National Saltwater Recreational Fisheries Engagement Plan.
- Track and analyze legislation related to recreational fisheries and/or Magnuson Stevens Act re-authorization.
- Strengthen communication and engagement with anglers through a variety of media.
- Brief NOAA Fisheries leadership on recreational fisheries issues.

You will work on projects with staff throughout NOAA Fisheries, our partners, and anglers from across the country. This position will provide the opportunity to develop an expert level understanding of

domestic fisheries management. We will work with you to find projects that sharpen critical skill sets, while helping us address priority needs.

Domestic travel is possible, we often get out of the office and engage directly with recreational anglers. We understand this is a year for growth and learning and we will work to support you however we can.

**Expertise Desired**

An ideal candidate would have strong skills in marine or environmental policy or fisheries, natural resource management or a related field; a team player with excellent oral and written communications skills. We are looking for someone who is comfortable with quick project deadlines, as well as strategic planning ability and long- term vision. You should also be adaptable, manage multiple projects and work well within a national team.

**Travel within DC (days per month)**

Minimal

**Travel outside DC (days per month)**

Possible

**Accepts Foreign Nationals**

Yes

**Position ID**

E19-19

**Position Title**

EPA National Nutrient Criteria Program Fellow

**Agency**

Environmental Protection Agency

**Office**

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

**Portfolio Summary**

So, you just spent a bunch of years of your life in school and want to put your hard earned scientific knowledge to further use to protect water resources? Well, we have the fit for you. The National Nutrient Criteria Program's core mission is to provide scientific support to help states, tribes, and territories derive scientifically-defensible regulatory pollution limits, known as numeric nutrient criteria, to protect the nation's waters from the effects of nutrient pollution (primarily an excess of nitrogen and phosphorus). To help develop these criteria, our program relies on a diverse knowledge of science, risk management, and environmental law and policy, as well as collaboration with a wide variety of scientists and experts both inside and outside of government.

This fellowship position provides a great opportunity to connect your scientific knowledge to the policies and regulations that promote environmental protection. We are open to tailoring this experience to your skillset and interests, while providing the ability to build on and refine your skills by working on a variety of projects. You will contribute as a team member, as well as build leadership skills by managing your own project(s). Examples of projects you could work on include:

- Determining how to best characterize the condition of biological communities to understand the overall environmental health of estuarine, near coastal, coral reef, and stream environments
- Conducting pilot studies to determine protective nutrient concentrations in estuaries and lakes, as well as values in streams to protect these downstream waters
- Conducting a literature review to understand ecosystem recovery from nutrient pollution
- Exploring the use of eDNA as a tool to support biological assessments of aquatic ecosystems
- Determining how best to evaluate the effects of changes in nutrients, pH, temperature, and/or DO on aquatic and aquatic-dependent endangered species and their habitat
- Developing strategic science plans that will help shape the program for years to come!

Your portfolio may also include additional opportunities, such as:

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

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

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

You will also be encouraged to take advantage of professional training opportunities provided by EPA (e.g., EPA's Clean Water Act course, Watershed Academy, and Water Quality Standards Academy), to pursue outside professional development opportunities, and to attend relevant professional scientific meetings.

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

### **Expertise Desired**

We seek a fellow who likes to laugh while working in a complex and challenging regulatory environment. This position is well-suited for someone who has good time management skills, a good sense of humor, and takes initiative. Strong oral and written communication skills will also be helpful. The ideal fellow will have a strong scientific background, with a working knowledge of freshwater or estuarine ecology, statistics, or modeling. The fellow's existing skills will serve as the base to help her or him create scientifically supported policies.

### **Travel within DC (days per month)**

0-3

### **Travel outside DC (days per month)**

0-2

### **Accepts Foreign Nationals**

Yes

**Position ID**

E19-20

**Position Title**

Communications and Policy Analyst

**Agency**

Marine Mammal Commission

**Office**

Marine Mammal Commission

**Portfolio Summary**

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

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

We seek a Sea Grant Fellow who is willing to be part of our dynamic team and be given a level of responsibility equivalent to an employee. As a Fellow at the Commission, you will benefit from exposure to a broad range of issues and be given the flexibility to become involved in projects of interest to you. In addition to learning a lot about the challenges facing marine mammals, you will gain leadership, policy, legislative and communication skills. You will create or contribute to valuable written reports, including reports to Congress and the White House, that are used to guide conservation efforts. You will directly interact with our senior leadership, our presidentially-appointed Commissioners, our Committee of Scientific Advisors, staff from other federal agencies, Congressional staff and representatives of 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 conservation issues on a global scale. We are able to pay for some of your travel if pertinent to your responsibilities.

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

Support Commission's Strategic Objectives



1. Assist with analyzing agency actions under the Marine Mammal Protection Act and Endangered Species Act, developing Commission recommendations and drafting comment letters.
2. Support Commission in workshop planning, which includes preparing background materials, managing list of participants, and preparing draft reports.
3. Help organize and participate in the 2019 Commission Annual Meeting. This includes managing logistics of various speakers/panels, preparing summary notes of discussions and following up on action items.
4. Serve as lead author of the Commission's quarterly electronic newsletter and assist with developing content for the Commission's twitter account.

#### Support Commission's Legislative Affairs Agenda

1. Attend Congressional briefings and help prepare Commission leadership and staff for interactions with Congress. Develop briefing summaries and keep track of Congressional requests and follow ups.
2. Take the lead on organizing an annual "Commission 101" with 2019 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.
3. Support preparations for the Commissioners' participation in Capitol Hill Oceans Week (CHOW). Schedule Hill briefings and interagency meetings, and provide general support for our participation in CHOW seminars. Establish CHOW schedule, coordinate preparation of background documents and prepare summaries of events.

#### Knauss Fellow Special Project

1. Select a marine mammal topic of particular interest to you that is relevant to the Marine Mammal Commission and prepare a report or an article suitable for submission to a scientific journal. Guidance and oversight by Commission staff will be provided based on the topic selected.
2. Topic could be related to science, policy, or law – or some combination. Project ideas include: addressing marine mammal bycatch in small-scale coastal gillnet fisheries; policy options to address cumulative impacts of sound on marine mammal populations; long-term policy strategies for saving domestic and/or foreign species (e.g., the vaquita, Cook Inlet belugas, North Atlantic right whales, freshwater cetaceans).

#### Expertise Desired

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

**Desired Background Skills:** Familiarity with science, policy and/or management issues related to marine mammals and/or their environment is a plus.

#### Travel within DC (days per month)

3-5

#### Travel outside DC (days per month)

1-3

**Accepts Foreign Nationals**

Maybe

**Position ID**

E19-21

**Position Title**

Ocean Policy Fellow

**Agency**

White House Executive Office of the President

**Office**

Office of Science Technology and Policy

**Portfolio Summary**

In 1976, Congress established the White House Office of Science and Technology Policy (OSTP) to provide the President and others within the Executive Office of the President with advice on the scientific, engineering, and technological aspects of the economy, national security, homeland security, health, foreign relations, the environment, and the technological recovery and use of resources, among other topics. OSTP also leads interagency science and technology policy coordination efforts, assists the Office of Management and Budget with an annual review and analysis of Federal research and development in budgets, and serves as a source of scientific and technological analysis and judgment for the President with respect to major policies, plans, and programs of the Federal Government.

OSTP's Division of Ocean and Environment, where OSTP ocean policy staff sit and the Fellow will work, provides subject matter expertise on disciplines including ocean policy, disaster resilience, water management, climate, space weather, nuclear technology, physical science, technology, and others. The Fellow will primarily support OSTP's ocean policy work, but will have the opportunity to engage in other components of OSTP's portfolio that may be of interests to him or her through projects of opportunity and participation with OSTP co-chairs in the operation of National Science and Technology Council (NSTC) subcommittees.

**OSTP and Ocean Policy**

Ocean policy is currently addressed in part through the Ocean Policy Committee, which was established in 2018 by Presidential Executive Order. The Committee is a Cabinet-level body that represents the 25 executive agencies and offices with ocean-related equities; it is co-chaired by the Director of OSTP and the Chair of the Council on Environmental Quality (CEQ). The Co-Chairs are staffed by an office that includes an Executive Director, an Ocean Policy Advisor on detail from the U.S. Navy, and an Ocean Policy Analyst on detail from the U.S. Coast Guard. The Office is administratively housed within OSTP.

Ocean policy staff provide strategic guidance to Federal agencies engaged in implementing Executive Order 13840, particularly in engaging with Regional Ocean Partnerships (ROPs) across the country. The Office interacts with Federal agency staff through such related entities as the Subcommittee on Ocean Science and Technology (SOST), under the NSTC, in the in the development of work plans, reports, projects of opportunity, and other materials; with Federal agency staff on various initiatives and as directed by OSTP and CEQ leadership; and with external coastal and ocean stakeholders.

**Expected Duties**

The Fellow will: 1) assist in developing policy guidance and other materials related to implementation of Administration ocean policy; 2) participate in the development and/or implementation of new and/or ongoing ocean policy-related initiatives, which may include such issues as illegal, unregulated, and unreported fishing; aquaculture; new ways to present ocean spatial data; ocean exploration; and others; 3) serve as the primary contact with Federal agency staff in managing the review of reports, work plans, and other ocean science and policy-related materials; 4) participate as directed by OSTP in and provide support for subject matter relevant to ocean policy addressed by subcommittees of the NSTC such as disaster resilience, water management, ocean science and technology, Arctic research, and others; 5) research, analyze, and develop written materials (briefings, memos, slide decks) on various ocean-related topics as needed; 6) support ocean policy staff as needed by serving as a 'plus one' for internal and external meetings and in administration of the Office; and 7) participate in Office and OSTP-specific initiatives as needed. We expect and encourage the Fellow to engage in material, activities, and initiatives specific to his or her subject matter expertise and particular interests.

**Expertise Desired**

Capable of working independently and as a member of a team in a deadline-oriented environment; excellent writing and verbal communication skills; life experience in the coastal or ocean realm through work or study; demonstrated intellectual curiosity and a broad range of interests.

**Key Requirements:** The selectee must be a U.S. citizen or national; be at least 18 years old and able to obtain and maintain an Executive Office of the President (EOP) favorable security TS-level determination as a prerequisite to appointment. Any appointment with OSTP is conditional until the selectee passes a drug screen and a suitability and/or security background investigation. Any offer EOP management extends prior to a favorable security determination is merely tentative, and the EOP expressly reserves the right to rescind the conditional offer at any time. Please note that all EOP staff members are subject to random drug testing.

**Travel within DC (days per month)**

4-5 days

**Travel outside DC (days per month)**

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

**Accepts Foreign Nationals**

No

**Position ID**

E19-22

**Position Title**

Coastal Policy Analyst

**Agency**

NOAA

**Office**

Office for Coastal Management

**Portfolio Summary**

Coastal management refers to actions taken along the coast to keep residents safe, the economy sound, and natural resources functioning. This is accomplished with federal and state partnership programs. Federal legislation provides the overarching mandates; NOAA's Office for Coastal Management oversees implementation and provides technical assistance.

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

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

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

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

Digital Coast – An online platform that serves as a "one stop shop" for the coastal management data, tools, and training most needed by communities. This initiative takes it a step further, however, by bringing various user groups together through the Digital Coast Partnership to address coastal issues.

The Fellow will have latitude to develop projects in topics and geographic regions of interest, and can spend limited time finishing degree requirements during work hours, as needed. The Fellow will be engaged in several activities, including but not limited to:

Policy Support: the Fellow will contribute to several ongoing initiatives, including: implementing the new Ocean Policy Executive Order and NOAA's Blue Economy initiative; researching and compiling information when requested by NOAA leadership, Congressional staff, the Department of Commerce or Office of Management and Budget; participating in meetings with coastal managers and other key partners; and staffing Office leadership (creating briefing materials and traveling with them) at meetings, conferences, and other events.

**Congressional Strategy:** the Fellow will work with NOAA's legislative and policy staff on our Congressional strategy, including identifying new Members of Congress for targeted outreach, preparing materials for Office leadership to conduct briefings, as well as working with staff throughout the country to develop consistent messages for District-level Congressional outreach. Another key activity will be monitoring relevant legislation introduced in the 116th Congress (e.g., tracking the introduction and advancement of proposed bills and providing analysis), including potential reauthorization of the Coastal Zone Management Act and Coral Reef Conservation Act, and passage of the Digital Coast Act.

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

**Program Analysis and Support:** the Fellow will work across the National Estuarine Research Reserve System (NERRS) and National Coastal Zone Management (CZM) Program to enhance performance measurement and communication. The Fellow will also have the opportunity to collaborate with the NERRS in their efforts to achieve carbon neutrality, advance the NERRS national product competition, and engage with leaders from the NERRS Strategic Committee.

#### **Expertise Desired**

**Desired Background Skills:** This position provides an excellent opportunity for a Fellow with a policy or legal background, or with a science background and some policy writing experience, to gain exposure to the national coastal and ocean policy arena. Strong verbal and written communication skills are essential. The Fellow should be comfortable in a fast-paced environment and be able to work independently as well as part of a team of professional staff from all levels inside and external to the Office.

#### **Travel within DC (days per month)**

2-10

#### **Travel outside DC (days per month)**

Opportunity for 2-6 trips outside DC per year.

#### **Accepts Foreign Nationals**

Yes

**Position ID**

E19-23

**Position Title**

International Affairs Fellow

**Agency**

NOAA

**Office**

Office of International Affairs

**Portfolio Summary**

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

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

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

Due to the variety of topics handled in OIA, and the inherent flexibility of the office, the Fellow will likely be able to pursue issues of personal interest, work with multiple staff members in addition to office/agency leadership, and develop new skills in a diverse field. The Fellow can expect to successfully complete the following tasks:

- Coordinate and participate in the review and development of NOAA's international policies;
- Represent NOAA in interagency and international meetings;
- Work across NOAA Line Offices to develop NOAA positions on international initiatives and activities;
- Prepare correspondence for the Director 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; demonstrated organizational skills and attention to detail. Ability to work well under deadlines and in a fast paced environment. Enjoys working in a team environment with an energetic group of colleagues with a good sense of humor.

**Travel within DC (days per month)**

Several days per month, if not weekly.

**Travel outside DC (days per month)**

0-7 days including internationally.

**Accepts Foreign Nationals**

No



**Position ID**

E19-24

**Position Title**

Coastal and Marine Resources Specialist

**Agency**

US Fish and Wildlife Service

**Office**

National Wildlife Refuge System

**Portfolio Summary**

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

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

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

- Developing a prospectus for the Program's marine portfolio and contributing to a comprehensive assessment of the Service's list of marine protected areas
- Reporting/summarizing Coastal Program habitat conservation and restoration work, highlighting value to communities, business, and infrastructure;
- Developing a strategic Program communications plan and diverse communication materials such as web content, stories for Interior's, FWS, and Refuges' newsletters and social media sites, and developing briefing papers, pamphlets and other materials that enhance the Program's visibility and public awareness;
- Aiding in development of policies and plans for the Coastal Program and Marine National Monuments
- Assisting in facilitating and staffing Program meetings and events;
- Supporting the National Wildlife Refuge System's role in coastal & ocean policy, including compiling research summaries to support Refuge and Monument managers work on coastal/marine issues such as aquaculture and salt marsh migration;
- Building relationships within Department of the Interior and with other federal agencies, especially NOAA and EPA;
- Attending and representing the Coastal Program on various national working groups and technical committees and coordinating Programmatic positions and responses to assignments;
- Establishing relationships with hunting, sport fishing, marine and coastal organizations; and

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

**Expertise Desired**

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

**Travel within DC (days per month)**

2-5 days/month

**Travel outside DC (days per month)**

1-5 times/year

**Accepts Foreign Nationals**

No

**Position ID**

E19-25

**Position Title**

Climate Resilience Specialist

**Agency**

NOAA

**Office**

Climate Program Office

**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 associated with wildfires, drought, flooding, sea level rise and storms, 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.

The fellow will be a full member of CSI which is a close knit and collaborative team. The fellow will work on a number of interdisciplinary projects and will have the flexibility to propose new ideas, lead projects and pursue activities that align with areas of interest that are in tune with the needs of CSI. The fellow will have the opportunity to engage with regionally-based interdisciplinary research teams that support the co-generation and integration of scientific information within local and regional decision contexts as well as topical focus areas including integrated water resources management, drought, extreme events, the built environment, coastal management, coastal and marine ecosystems and fisheries, public health and security, and economic impacts of climate. A network of 11 regional teams cover most coastal U.S. States and Territories including the U.S. Affiliated Pacific Islands. Members of CSI maintain strong relationships across NOAA, including with Sea Grant offices.

For more information about CSI programs, visit [cpo.noaa.gov/csi](http://cpo.noaa.gov/csi)

Specific job responsibilities and opportunities include:

1. Represent CSI at NOAA, in interagency settings such as the US Global Change Research Program, at conferences and workshops around the country to share CSI's research and help the team build new strategic partnerships. There may also be the opportunity to work with NGOs, Foundations and professional organizations.
2. Engage in public and internal communications work such as professional presentations, blog posts, social media posts, short 'hot item' reports submitted to NOAA leadership, briefing documents, maps, and ESRI story maps. These projects open the door for creative application of science communication to varied audiences and may include collaborative efforts with OAR Communications, the Climate.gov team, and other communication professionals.
3. Evaluate and communicate progress made in transitioning climate science to improved decision-making across the applied climate research programs supported by the Climate Program Office (CPO); and, should it be of interest, design a common framework that can be used to measure the impact of the program over time.

4. Produce written documents, outreach materials and powerpoint presentations to help articulate, document and visualize the major accomplishments of CSI programs
5. Site visits and annual meetings of researchers will be additional opportunities to travel and learn more about CSI research and stakeholder engagement.

**Expertise Desired**

Mandatory Skills: Advanced degree in environmental science, law or policy

Desired Background Skills:

- Experience with, and/or understanding for, applying scientific understandings in a decision- or policy-making environment.
- Understanding of science and policy relevant to climate adaptation and experience working at the interface of physical and social science research.
- Experience or understanding of how communities make decisions and take action on environmental matters.
- Strong interpersonal skills, including ability to develop strategic partnerships and work collaboratively across and outside of NOAA.
- Skilled in synthesizing information to develop and deliver powerful oral and written presentations, reports, and briefs for technical and non-technical audiences and senior decision makers.

**Travel within DC (days per month)**

2-10

**Travel outside DC (days per month)**

0-4

**Accepts Foreign Nationals**

Maybe

**Position ID**

E19-26

**Position Title**

Marine Protected Areas Climate and Interagency Coordinator

**Agency**

NOAA

**Office**

Office of National Marine Sanctuaries - MPA Center

**Portfolio Summary**

Marine protected areas (MPAs) are a critical tool for preserving our nation's marine resources, designated to provide lasting protection for places of exceptional ecological and/or cultural value along our oceans, coasts and Great Lakes.

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

About the Fellowship: This placement offers an opportunity to be part of a small, dynamic and highly collaborative team working to support MPA managers in protecting the ocean's most important places.

The MPA Center seeks a Knauss Fellow to coordinate climate change assessment and adaptation actions across the Office of National Marine Sanctuaries, as well as identifying and implementing partnership opportunities with other MPA programs. The fellowship will support MPA Center activities to collaborate across federal and state MPA programs to build capacity for enhanced management effectiveness. Specific areas of focus include: climate change adaptation and assessment; protected species; interagency coordination; capacity building; and outreach. The fellowship offers opportunities to interact with MPA managers and scientists across a wide range of national and state-level (and potentially international) programs and attend meetings on marine protected areas. The fellowship will offer travel and training opportunities.

- Work with the NOAA Office of Protected Resources on collaborative efforts for protected areas and protected species.
- Coordinate the ONMS Climate Team, including organizing monthly meetings, sharing key information, and supporting site-based climate assessment and adaptation efforts.
- Support the planning and execution of a rapid vulnerability assessment workshop at a sanctuary site (TBD), potentially in collaboration with another, nearby MPA.
- Coordinate meetings of the Federal Interagency MPA Working Group to share information and identify needs of MPA management and supporting programs.
- Support capacity building activities for U.S. MPA programs, including a needs assessment and staffing the successful MPA webinar series with EBM Tools Network.
- Conduct MPA Center outreach activities (e.g. e-newsletter, social media, publications).

**Expertise Desired**

Outstanding written, verbal, and interpersonal skills. Ability to prioritize and manage multiple projects under tight deadlines. Strong personal initiative, problem-solving skills, creativity, and ability to work independently and as a member of a team. Graphic design skills and GIS a plus.

**Travel within DC (days per month)**

1-3

**Travel outside DC (days per month)**

0-1

**Accepts Foreign Nationals**

Yes

**Position ID**

E19-27

**Position Title**

International Liaison: Ocean Acidification Coordination and Capacity Building

**Agency**

NOAA

**Office**

OAP

**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 the Global Ocean Acidification Observing Network (GOA-ON), which is composed of international researchers and policymakers working to build an integrated global observing network that improves global understanding of the current state of ocean acidification, knowledge of the current and potential biological impacts, and ability to model and predict future ocean acidification trends. 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 be a member of the GOA-ON Secretariat, along with two other individuals placed at the Intergovernmental Oceanographic Commission (IOC-UNESCO) in Paris and at the International Atomic Energy Agency (IAEA) in Monaco. As part of their work with the Secretariat, 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. The fellow may also participate in the organization of capacity development workshops. 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, IAEA 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**

A high level of analytical, organizational and planning skills; ability to work independently and as a part of a team; effective oral and written communication skills; ability to interact objectively and effectively with diverse audiences. While not a requirement, a knowledge of biogeochemistry, marine chemistry, and/or species response to ocean acidification will be helpful.

**Travel within DC (days per month)**

5

**Travel outside DC (days per month)**

5

**Accepts Foreign Nationals**

No



**Position ID**

E19-28

**Position Title**

OAR Ocean Portfolio Manager

**Agency**

NOAA

**Office**

OAR

**Portfolio Summary**

NOAA's Office of Oceanic and Atmospheric Research's (OAR) Ocean Portfolio Steward (Dr. Libby Jewett, Director of the Ocean Acidification Program) seeks a Knauss fellow to coordinate the Ocean Portfolio research and monitoring agenda in Silver Spring, MD. The fellow will focus on coordination of the multi-million dollar portfolio of 'omics related research recently funded across OAR and play a large role in charting the future path of 'omics research in OAR. The fellow will also coordinate OAR efforts with other 'omics efforts across NOAA, particularly in the National Marine Fisheries Service Science Centers. In addition, the fellow will work with the OAR Ocean Portfolio Steward to manage other aspects of the portfolio including planning meetings and oversight of new research initiatives. 'Omics is a new and emerging area of research in NOAA, the applications for which are expanding quickly. The fellow will travel to NOAA laboratories conducting 'omics research to interact with the scientists and gather information about how to better coordinate among the labs. If deemed necessary, the fellow may lead the development of a NOAA 'omics workshop in the coming year. Although the fellow will be staffing OAR HQ they will sit with the Ocean Acidification Program and will be a valuable addition to the OAP staff in supporting the office Director and Deputy Director in addition to the duties outlined above. As such, the fellow will provide general scientific, programmatic, and administrative support for the Ocean Acidification Program office in Silver Spring, MD. The candidate will have the opportunity to develop an independent project specific to their interests that supports program efforts.

**Expertise Desired**

A high level of analytical, organizational and planning skills; ability to work independently and as a part of a team; effective oral and written communication skills; ability to interact objectively and effectively with diverse audiences and some knowledge of 'omics. While not a requirement, knowledge of biogeochemistry, marine chemistry, and/or species response to ocean acidification will be helpful.

**Travel within DC (days per month)**

5

**Travel outside DC (days per month)**

5

**Accepts Foreign Nationals**

Maybe

**Position ID**

E19-29

**Position Title**

Congressional Affairs Specialist

**Agency**

National Oceanic and Atmospheric Administration (NOAA)

**Office**

Policy and Congressional Affairs

**Portfolio Summary**

The Congressional Analysis and Relations Division of OAR is a fast-paced, exciting office that provides congressional activity planning, coordination, and strategy development for NOAA's Oceanic and Atmospheric Research (OAR). On a day-to-day basis these activities translate into preparing OAR scientists and senior management for congressional briefings; drafting and editing congressional testimony; preparing answers to congressional inquiries about OAR activities; and tracking and analyzing legislation and congressional action from scientific and policy perspectives. FCA works to ensure effective representation of OAR's research, programs, roles, policies, and interests in congressional materials delivered to Congress. FCA also works within OAR's CFO Office and with the NOAA Budget Office to communicate budget information to Congress and constituents. We also serve as the OAR coordinators for reviews of the Government Accountability Office, facilitating OAR participation in these reviews as well as ensuing proper review of GAO documents and responses to GAO recommendations.

As a member of the FCA, the individual will gain an excellent understanding of the legislative and decision-making processes within Congress and the Executive Branch. In cooperation with NOAA's Office of Legislative Affairs, the individual will have an opportunity to support OAR scientists and senior management at hearings and briefings on Capitol Hill. He/She will learn to translate scientific information for delivery to a congressional audience as well as learn to interpret congressional action for a scientific audience. The individual will have the opportunity to work at the senior level with OAR experts on a range of issues relating to climate, weather, air quality, and ocean, coastal, and Great Lakes research. We will work with the individual to tailor duties to best fit his/her interests and future career goals.

**Expertise Desired**

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

**Travel within DC (days per month)**

Not provided

**Travel outside DC (days per month)**

Not provided

**Accepts Foreign Nationals**

Yes

**Position ID**

E19-30

**Position Title**

International Policy Fellow

**Agency**

NOAA Fisheries

**Office**

Office of Law Enforcement

**Portfolio Summary**

The NOAA Office of Law Enforcement (OLE) is dedicated to enforcing laws that conserve and protect our nation's marine resources and their natural habitat. We ensure a level playing field for honest fishers, defend U.S. economic and public health interest from illegal international and domestic fishing activities, and protect vulnerable marine species in order to ensure these global resources do not disappear.

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

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

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

- Working closely with NOAA law enforcement personnel on a range of fisheries enforcement issues including bilateral and multilateral agreements, international cooperation, technical

assistance to developing nations, and domestic regulations that implement international fisheries obligations related to combating IUU fishing;

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

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

**Expertise Desired**

U.S. citizen; current passport (or ability to obtain a passport) for international travel as needed. Excellent verbal and written communication skills are a must. Language skills other than English beneficial but not required.

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

**Travel within DC (days per month)**

1-3 days per month on average

**Travel outside DC (days per month)**

1-3 days per month on average

**Accepts Foreign Nationals**

Yes

**Position ID**

E19-31

**Position Title**

Ocean Exploration Fellow

**Agency**

NOAA

**Office**

Office of Ocean Exploration and Research

**Portfolio Summary**

NOAA's Office of Ocean Exploration and Research (OER) is the only federal program dedicated to exploring, mapping, and characterizing the ocean systematically. OER works with partners around the world to establish baselines for advancing science, identifying new habitats and species, characterizing new resources, and stimulating interest and involvement in understanding the ocean. The results of exploration are critical for ocean resource management and to help citizens, businesses, and governments make smart choices to protect lives, property, and economic well-being. OER serves the nation's ocean exploration needs by exploring the unknown ocean, supporting interdisciplinary teams of scientists participating on ocean exploration expeditions, including expeditions to explore our maritime and archeological heritage, developing and providing advanced undersea technologies, and sharing the excitement of discovery with the public.

OER seeks a Knauss Fellow to support the office's ocean exploration mission. Due to the diverse nature of the work and portfolio, the Fellow will be exposed 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. On a day-to-day basis, the Fellow will work directly with the OER Director and senior leadership team, and interface with senior leaders from OER partners in NOAA's Office of Oceanic and Atmospheric Research (OAR), National Marine Fisheries Service (NMFS), National Ocean Service (NOS), as well as interagency (e.g. BOEM, USGS, NASA, US Navy), and non-governmental partners (e.g. Ocean Exploration Trust, Schmidt Ocean Institute, etc.).

The Fellow will be asked to provide policy advice, leading briefings on a variety of science and administrative topics, and staffing the OER Director and senior leadership team for internal and external meetings. The Fellow will learn how ocean exploration is conducted and have an opportunity to shape the future of NOAA and national ocean exploration endeavors.

Potential fellow activities and responsibilities could include:

- Leading an OER team tasked with (a) scoping and implementing improved data usability of OER data products, (b) identifying and working with community to prioritize new technologies for addition to OER exploration capabilities, and (c) synthesizing annual technical report on current data and measures outputs/advancements.
- Contributing to the OER annual grant review process and planning for following year.
- Advise and work on team planning and executing actions in support of OER's Atlantic Seafloor Partnership for Integrated Research and Exploration (ASPIRE) campaign.

- Hosting scientists, student, VIPs, and others in the Silver Spring and other Exploration Command Centers.
- Participating in at-sea ocean exploration activities aboard NOAA Ship Okeanos Explorer or partner vessels and/or through telepresence.
- Staff OER Director on Hill visits and briefings.
- Organizing workshops, town halls, or conference sessions to receive community input on OER priorities.
- Supporting OER partnership activities (e.g., Marine Biodiversity Observation - Network, Extended Continental Shelf Project, Deep Sea Coral Science and Technology Program West Coast Deep Coral Initiative, BOEM-USGS-NOAA Atlantic Canyons, etc).

This is an ideal position for an individual seeking to enhance management and leadership skills while gaining a high level appreciation for ocean exploration science and research in the federal service. The setting for this position is an executive office environment and the Fellow can expect to contribute significantly to the day to day operations in addition to leading special projects that are of interest to the Fellow.

#### **Expertise Desired**

Background and expertise in marine science or 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 sailing on research vessels will be helpful; 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**

Yes

**Position ID**

E19-32

**Position Title**

Science Communications Specialist

**Agency**

NOAA

**Office**

National Sea Grant Office

**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 video products on coastal community resilience. The 2019 fellowship will include specific projects on communicating research impacts as well as a focus on communicating aquaculture research and collaborating with aquaculture operations in other NOAA offices.

**Expertise Desired**

The Sea Grant Science Communication Fellow should first have an interest in advancing their own science communication skills. He or she 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 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)**

3-5 days

**Travel outside DC (days per month)**

1-3 days

**Accepts Foreign Nationals**

Yes

**Position ID**

E19-33

**Position Title**

Foreign Affairs Specialist

**Agency**

National Marine Fisheries Service

**Office**

International Affairs & Seafood Inspection

**Portfolio Summary**

Position is located in the International Fisheries Division, Office of International Affairs and Seafood Inspection, although assignments elsewhere in the Office are possible (Commerce and Certification Division). The Foreign Affairs Fellow will: coordinate international issues within NMFS, between NMFS and NOAA, DOS, and with foreign contacts; liaise with NOAA International Affairs Office and the Line Office International Affairs Offices to identify issues of mutual concern and to receive and coordinate requests for information and assistance; prepare background and policy papers for international meetings; maintain and disseminate information regarding international activities; schedule, develop agendas, and prepare background materials and report on meetings of Headquarters and field Directors and staff to discuss international affairs policy issues. Deliverables will include a variety of international communication and reporting products (e.g., demarche cables and meeting reports); briefing books and background papers; policy papers; and talking points for use by negotiators in various international and domestic meetings. It is anticipated that the fellow will be assigned several activities in work areas such as: support inter-office teams assigned to one or more regional fishery management organizations; support the identification/certification process regarding foreign fishing vessels engaging in illegal, unreported, or unregulated fishing, unacceptable levels of bycatch, or unsustainable shark conservation practices; support the Convention on International Trade in Endangered Species of Wild Fauna and Flora Program; and update the information content of "International Agreements Concerning Living Marine Resources of Interest to NOAA Fisheries."

**Expertise Desired**

Marine Resource Policy or Marine Biology. 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. Language skills a plus.

**Travel within DC (days per month)**

1-3

**Travel outside DC (days per month)**

1-3

**Accepts Foreign Nationals**

No

**Position ID**

E19-34

**Position Title**

Policy Analyst

**Agency**

NOAA

**Office**

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

**Portfolio Summary**

The Office of the Under Secretary of Commerce for Oceans and Atmosphere/NOAA Administrator (UnSec Office), is seeking a Sea Grant fellow to fulfill the position of Policy Analyst. The Under Secretary of NOAA formulates policies and programs for achieving the objectives of NOAA and has the authority for program execution. The principal location of the fellowship will be in the Washington, D.C. office, with some days in Silver Spring, MD.

Coastal regions are home to 40% of the U.S. population and the U.S. ocean economy contributes \$320 billion to our GDP. Under the Department of Commerce, NOAA supports the sustainable use, management and conservation of our ocean and coastal resources through research, observations and environmental forecasts. NOAA's work on fisheries management, aquaculture production, maritime transportation, and energy production and mineral extraction while protecting important marine resources supports our nation's blue economy.

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

Areas of effort will include helping support: strengthening the National Oceanographic Partnership Program (NOPP) to achieve NOAA Blue Economy goals, for example, through enhancing partnerships, and NOPP reauthorization; development and execution of a strategy to increase ocean exploration efforts; and growing our domestic aquaculture and other actions to reduce the national seafood deficit.

**Expertise Desired**

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

The fellow should possess the following skills and abilities: Have an interest in public administration, organizational development, and strategic planning; ability to thrive in a highly collaborative and dynamic workplace; excellent written and oral communication skills; demonstrated organization skills; have the ability to plan corporate events like workshops, conferences, and seminars; have some

experience with public speaking and effectively communicating complex, sometimes controversial, information to a diverse audiences; attention to detail; and excellent interpersonal skills.

**Travel within DC (days per month)**

2-5

**Travel outside DC (days per month)**

Fewer than 5

**Accepts Foreign Nationals**

Yes

**Position ID**

E19-35

**Position Title**

Advisor to the Technical Director, Civil Works R&D

**Agency**

U.S. Army Corps of Engineers

**Office**

Engineer Research and Development Center

**Portfolio Summary**

This full-time position will fill an important staff responsibility in support of the U.S. Army Corps of 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 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 project 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 creating and helping to manage a national R&D agenda, making decisions about technical approaches, integrating technical teams from across the Federal, academia and industry sectors, and participating in actual research projects. Included is the opportunity to advance individual career goals through targeted research supporting the Corps' and national objectives.

Working under the direction of the Corps' Technical Director for Navigation and senior staff, this position will be the lead researcher on several strategic initiatives supporting the Corps of Engineers and the national marine transportation system. One initiative is development and implementation of a multiagency R&D plan supporting the Committee on the Marine Transportation System (CMTS) strategic needs, including the 2018 conference co-sponsored by the National Academy of Science.

**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 the new White House ocean policy and stewardship initiatives. Also, the ability to compile and organize federal R&D program information, examine the information for potential R&D programmatic synergies and efficiencies is desired. Position requires basic office and computer skills, strong writing and research abilities, and the ability to generate complete and finished documents for high-level agency review and approval. The position also requires self-motivation, effective communication and interpersonal skills.

**Travel within DC (days per month)**

2-5

**Travel outside DC (days per month)**

2-5

**Accepts Foreign Nationals**

No

**Position ID**

E19-36

**Position Title**

Communications and Program Analyst

**Agency**

National Oceanic and Atmospheric Administration (NOAA)

**Office**

Climate Program Office

**Portfolio Summary**

The Climate Program Office (CPO) manages competitive research programs in which NOAA funds high-priority climate science, assessments, decision support research, outreach, education, and capacity-building activities designed to advance our understanding of Earth's climate system, and to foster the application of this knowledge in risk management and adaptation efforts. CPO-supported research is conducted in regions across the United States, at national and international scales, and globally. The Modeling, Analysis, Predictions and Projections (MAPP) Program, as part of the Earth System Science and Modeling (ESSM) Division, plays a crucial role in enabling the nation to meet the societal challenges created by impacts of climate variability such as changing fisheries and coastal sea levels, droughts, extreme heat, and floodings. More broadly the ESSM Division supports a unique and highly flexible climate research enterprise to improve scientific understanding of climate variability and change.

The Fellow would be a full member of the ESSM Division/MAPP program team. The Fellow would lead the MAPP program communication and engagement activities and contribute to broader ESSM Division communications activities. As part of MAPP team, the Fellow would have the opportunity to address climate-marine resources issues of interest. The Fellow would engage with partners across all of NOAA's Line Offices, other agencies and the diverse set of ESSM Division and MAPP program investigators and stakeholders.

Fellowship objectives and tasks:

- Develop pathways for enhanced CPO/MAPP program engagement with Congress and NOAA leadership on climate and Earth system modeling, and especially on climate-marine resources issues, by liaising with staff in the OAR and other Line Offices public affairs offices.
- Enrich the MAPP program as a full team member and, as such, receive opportunities to attend meetings and workshops, engage in the competitive announcements of funding opportunities process, including forging new partnerships, organizing and facilitating proposal panel reviews, communicating research outcomes.
- Enhance the MAPP program' engagement and partnerships with other ESSM programs, other Climate Program Office programs, within OAR and other NOAA Line Offices, and especially NOAA Fisheries and National Ocean Service; other agencies as part of the US Global Change Research Program; foster new partnerships for end-to-end integration, connecting Earth observations, process understanding, and applications to societal resilience, and especially for marine resources applications.

- Publicize major accomplishments of the MAPP program and other ESSM Division programs by liaising with staff in the CPO Communications and Education program and the OAR public affairs office, and other Line Offices as appropriate; use a diverse set of strategies including webinars, news items, newsletters, website posts, topical articles and information pages, oral presentations, conference booths, etc.
- Facilitate collaboration among MAPP principal investigators interested in common scientific themes, such as advancing the prediction of climate-driven marine resources anomalies, by co-organizing MAPP task forces that meet to prioritize and set research agendas; and by co-organizing community meetings.

#### **Expertise Desired**

- Strong written and oral communication skills
- Strong interpersonal skills with interest in communicating actively with the scientific community.
- Familiarity with science and ability to analyze and disseminate scientific information to multiple audiences via a diverse set of means; interest in climate issues and specifically understanding and advancing how climate models are developed and used in a variety of contexts including for marine resources, is a plus.
- Ability to work productively in a team setting
- Strong organizational skills and ability to take initiative and lead projects.

#### **Travel within DC (days per month)**

<1-2 but depends on actions

#### **Travel outside DC (days per month)**

<1 but depends on actions

#### **Accepts Foreign Nationals**

Maybe



**Position ID**

E19-37

**Position Title**

Biological ocean observing science and policy fellow

**Agency**

NOAA

**Office**

US IOOS Program Office

**Portfolio Summary**

U.S. IOOS is a truly unique and dynamic program in the federal government and 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, leveraging and executing federal money, policies, and needs while facilitating delivery of critical technology and information. IOOS also serves as the US regional contribution to the Global Ocean Observing System, and is active in the Group on Earth Observations and other global fora. As a small and relatively new program, there is no shortage of ways to contribute to the office and the IOOS mission.

In particular, IOOS provides leadership for an interagency partnership - with core funding from NOAA, NASA, and the Bureau of Ocean Energy Management - to develop a US Marine Biodiversity Observation Network (MBON). MBON is a growing US and global initiative composed of regional networks of scientists, resource managers, and end-users working to integrate data from existing long-term programs to improve our understanding of changes and connections between marine biodiversity and ecosystem functions. You will be at the center of a team engaging with federal and state agencies; teams of scientists, managers and product developers; and regional stakeholders to assess needs and ensure that the science based solutions we can deliver are indeed what the research and management communities require. You will be helping to launch a new set of MBON projects that will start work in 2019, including participating in the grants process to guide implementation of recently selected awards. You will also be developing outreach and communication efforts about the need for long term monitoring and standardized approaches that support our understanding of life in the ocean.

You will have opportunities to work closely with the IOOS leadership team, learning how our program is managed, and observe different leadership styles. You will have the opportunity to network with colleagues from NASA, the Bureau of Ocean Energy Management, Office of Naval Research, Marine Mammal Commission, and U.S. Geological Survey, among others. You will have the opportunity to work with NOAA coastal resource managers from the National Marine Sanctuaries and National Estuarine Research Reserves, and with other local and regional observing partners to understand how IOOS is addressing needs to support diverse, healthy marine ecosystems and robust coastal economies and communities. You will also work with the Group on Earth Observations Blue Planet secretariat office, housed in NOAA, to advance MBON and Blue Planet partnership activities. The fellowship will likely include site visits to newly selected MBON projects, for Blue Planet activities, and/or to the IOOS

Regional Associations and their partners. We want you to join us and bring your skills and interest to our team to help shape these activities. 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**

E19-38

**Position Title**

International Fisheries Science Specialist

**Agency**

National Marine Fisheries Service

**Office**

Office of Science & Technology

**Portfolio Summary**

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

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

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

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

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

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

- It is anticipated that the fellow will be assigned several core activities over the course of the fellowship, including:
  - Development and implementation of the NMFS International Fisheries Science Strategy to ensure current agency priorities are addressed.
  - Support for the 2019 NOAA-IMR Science Bilateral Meeting in Tromsø, Norway;
  - Assisting in the dissemination and implementation of FishPath - a fisheries assessment and management tool for capacity-limited countries;
  - Serving as the NMFS Marine Scientific Research (MSR) Coordinator for review of foreign requests to conduct research within the U.S. Exclusive Economic Zone;
  - Developing the ST International Fisheries Science website and activities database; and
  - Weekly reporting of international fisheries research activities.

#### **Expertise Desired**

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

#### **Travel within DC (days per month)**

2-5

#### **Travel outside DC (days per month)**

0-5

#### **Accepts Foreign Nationals**

Yes

**Position ID**

E19-39

**Position Title**

Special Assistant to the Deputy Assistant Director, Ecological Services

**Agency**

U.S. Fish and Wildlife Service

**Office**

Ecological Services

**Portfolio Summary**

We are excited to host a Sea Grant Fellow in the fast-paced world of Ecological Services (ES) within the U.S. Fish and Wildlife Service. As a Special Assistant to the Deputy Assistant Director, the Fellow will support critical issues on behalf of the Deputy Assistant Director, her leadership team, and sometimes her supervisor, the Assistant Director. Under the leadership of the Deputy Assistant Director, the Fellow will coordinate work on new and changing policies, regulations, and initiatives for the ES Program ensuring alignment with current administration priorities. It is an excellent opportunity to join a great team, be involved with complex issues, and influence conservation in our country. The position is a great opportunity for career advancement, learning about the FWS at a national level, and working 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. There is an opportunity for the Fellow to become more deeply involved with one or two aspects that spark personal and/or professional interest at ES Headquarters.

**Expertise Desired**

Required: Excellent collaboration skills; excellent organization skills; strong people skills; strong written and oral communications skills; ability to manage multiple tasks under deadline and to work independently if needed; ability to remain level-headed and flexible in a fast-paced and changing environment. Knowledge of the ESA is not required.

Desired: Interest in non-aquatic and aquatic species conservation strongly recommended; command of Google Suite strongly recommended; ability to creatively develop third alternative solutions; ability to proactively improve upon Program processes.

**Travel within DC (days per month)**

1-5

**Travel outside DC (days per month)**

2-5

**Accepts Foreign Nationals**

Yes

**Position ID**

E19-40

**Position Title**

Ocean Sciences Policy Fellow

**Agency**

National Science Foundation

**Office**

Ocean Sciences Division

**Portfolio Summary**

At the National Science Foundation (NSF), you'll enjoy a front row seat to the Nation's latest scientific discoveries. As the Ocean Sciences Policy Knauss Fellow, you will use that unique position to inform ocean policy and provide operational support to the NSF Division of Ocean Sciences, interagency committees within the Executive Office of the President, and community advisory entities. The Fellow will learn from and work collaboratively with NSF's Ocean Policy Specialist within the Ocean Sciences Division. Through this position, the Fellow will gain experience in the development of policy positions and recommendations, and the preparation and analysis of policy-related documents. The fellow will also support interagency committees and advisory entities (such as the National Science and Technology Council's Subcommittee on Ocean Science and Technology), contribute to ocean science and technology aspects of ocean policy implementation. NSF's ocean policy specialist who will also be directly supervising this position, looks forward to discussing specific interests and experience of the potential Fellows. Apart from the specific duties mentioned below, the position will have numerous opportunities for the Fellow to explore topics of their own interests and learn from experts in their desired fields.

Specific duties include:

- Supports high-level ocean science and technology interagency committees and community advisory entities, including but not limited to:
  - Coordinates committee leadership and membership meetings, including but not limited to record keeping and scheduling;
  - Contributes to and assists in efficient and effective progress toward committee strategic direction;
  - Tracks and assists with completion of committee actions, including mandates from Administration policy and Congressional statute;
  - Assists with special projects and preparation of reports, policy documents, memos, and publications;
  - Assists with interagency communication and connectivity, including developing and participating in collaborative projects within the ocean science and technology policy field; and
  - Assists with tracking and implementing national-level ocean policy actions.
- Supports NSF leadership on ocean policy and governance matters, including but not limited to:
  - Assists with developing policy options, recommendations, and NSF positions; and
  - Assists with NSF representation on interagency entities;

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

#### **Expertise Desired**

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

#### **Travel within DC (days per month)**

Frequent and variable

#### **Travel outside DC (days per month)**

Variable

#### **Accepts Foreign Nationals**

Maybe



**Position ID**

E19-41

**Position Title**

OMC Knauss Marine Policy Fellow

**Agency**

U.S. Department of State

**Office**

Office of Marine Conservation

**Portfolio Summary**

During 2019, a Sea Grant Fellow in OES/OMC would serve as a foreign affairs officer, providing 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: 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; trade and environment issues, including seafood traceability, eco-labeling, the role of subsidies, and the use of market-based measures and to achieve environmental objectives; implementation of international plans of action adopted by the UN Food and Agriculture Organization (managing fishing capacity; reducing seabird bycatch in longline fisheries; managing sharks; deterring illegal, unreported, and unregulated fishing activity; and the improvement of the status and trends of reporting); and working collaboratively with other U.S. government agencies on marine debris-related issues.

**Expertise Desired**

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

**Travel within DC (days per month)**

3-5

**Travel outside DC (days per month)**

1-5

**Accepts Foreign Nationals**

No

**Position ID**

E19-42

**Position Title**

Recreational Fisheries Economics Fellow

**Agency**

National Marine Fisheries Service

**Office**

Office of Science and Technology

**Portfolio Summary**

This Fellowship position is within the Economics and Social Analysis Division in the Office of Science and Technology (OST). Within the Economics and Social Analysis Division, there are 5 economists and 1 social scientist. The Economics and Social Analysis Division is responsible for overall coordination of the economics and social science program across NMFS. In OST, the staff conducts research on commercial and recreational fisheries, and ecosystem based fishery management, to provide information on the potential effects of fishery management options on people and communities. The recreational fisheries economics program collects data on recreational fisheries participants through angler surveys, develops economic valuation and demand models, and conducts analyses to describe the economic contributions associated with spending on marine recreational fisheries. The data and models are often used to estimate the level and distribution of benefits derived from recreational fisheries, to understand and predict the behavior of recreational fisheries participants, and to understand the outcomes of alternative management actions on recreational fisheries and their participants.

a. The primary duties of the Fellow will be assisting staff economists with 1) analyzing recreational economic survey data (such as calculating standard survey statistics); 2) creating models to predict the economic contributions stemming from angler expenditures; 3) developing new survey questionnaires for economic expenditures and/or conjoint surveys for economic valuation of fishery resources; and 4) writing technical reports and/or manuscripts suitable for scholarly journal publication based on survey data and modeling.

b. Additional duties may include workshop planning and logistic support related to economic allocation of fishery resources, literature reviews, writing and editing technical economic reports.

**Expertise Desired**

The Fellow should have a degree in economics or advanced coursework in economics with some experience in agricultural or natural resource economics either through coursework, work experience, or volunteer experience. Experience with fisheries would be ideal. Experience with Word, Excel and some statistical programs such as SAS or R is desired; experience with IMPLAN economic impact software beneficial but not required. Must have strong quantitative skills, be able to learn new software, and have a good understanding of the role of economics in natural resource management. He/she must be able to work in a team environment with one or two other economists, as well as work independently. The position requires an attention to small details as well as understanding of how economic analysis fits into overall fisheries management actions. Strong communication skills both written and oral are desired.

**Travel within DC (days per month)**

No regularly expected travel.

**Travel outside DC (days per month)**

Less than 1 day per month. Possible travel as needed, including a fisheries economics conference in May in Halifax, Nova Scotia. Based on the work of the fellow, other opportunities to travel to meetings at the Science Centers, regional management council

**Accepts Foreign Nationals**

Yes

**Position ID**

E19-43

**Position Title**

Fisheries Science Coordinator

**Agency**

National Marine Fisheries Service

**Office**

Office of Science and Technology

**Portfolio Summary**

This Fellowship opportunity is based in the National Marine Fisheries Service's (NMFS') Office of Science and Technology's Assessment and Monitoring Division. The Fellow will work with the Office's National Stock Assessment Program and National Observer Program (NOP).

The National Stock Assessment Program is responsible for providing national leadership, coordination, and representation to support science-based sustainable fisheries management, and advancement of the NMFS' stock assessment enterprise. Assessments are conducted by stock assessment scientists at each of the six regional science centers, the results of which are provided to the eight regional fishery management councils and other management partners to inform fishery management decisions. NMFS currently is producing many high-quality stock assessments each year, but there continues to be a growing demand for improvements that will allow the agency's assessment programs to respond to current and future challenges.

For more than four decades, NMFS has used fishery observers to collect catch and bycatch data from U.S. commercial fishing and processing vessels, as well as from shore-side processing plants and "motherships" (also known as receiving vessels). Our eyes and ears on the water, observers are professionally trained biological scientists gathering first-hand data on what's caught and thrown back by U.S. commercial fishing vessels. The high-quality data they collect are used to monitor federal fisheries, assess fish populations, set fishing quotas, and inform management of those fisheries. The NOP coordinates 14 regional observer programs that deploy approximately 850 observers. NMFS uses observer data for a series of U.S. National Bycatch Reports that are published by the Office of Science and Technology. The NOP also supports science related to the estimation of discard and release mortality. This mortality can occur in commercial and recreational fisheries due to a variety of factors, including how a fish is handled, how long it is exposed to air, and whether it is injured during the fishing process.

The Fisheries Science Coordinator will assist with leading the following projects:

- A new initiative intended to expand the use of socioeconomic information in the fishery stock assessment process. This task will involve substantial networking across the science/management interface, a review of current approaches, design and organization of a national workshop to develop strategic directions, and overall, will put you at the forefront of a cutting-edge national initiative. The Fellow will author a technical publication related to this project.

- Developing and organizing stock assessment-themed sessions at national and international conferences, which may include the World Fisheries Congress (Adelaide, Australia in Oct. 2020) and the ICES Annual Science Conference (Gothenburg, Sweden in Sept. 2019)
- Coordination (including developing agendas) and administration (including presenting on topics and helping prepare meeting minutes) of two national meetings of the National Observer Program Advisory Team. One meeting is tentatively planned for Seattle in April 2019, followed by an East Coast location in October 2019.
- Authorship of NMFS website stories on topics of interest to fishery observers and fishery observer programs.

The Fellow may also:

- Support organization of the 14th National Stock Assessment Workshop to be held in 2020, hosted by the Northeast Fisheries Science Center, as well as other topical workshops focused on national modeling tools and data collection for stock assessments.
- Contribute to the design of a national, web-based, outreach tool for stock assessments: the Species Information System Public Portal
- Help coordinate and moderate a symposium on fishery observer contributions to fisheries science, management and safety at the 149th Annual Meeting of the American Fisheries Society in Reno, Nevada.
- Support NMFS working groups including the National Seabird Program and the Bycatch Reduction Engineering Program.

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

The Fellow will be co-mentored by two Office of Science and Technology employees, Patrick Lynch, the National Stock Assessment Program Leader, and Lee Benaka, a fishery management specialist with the NOP. Patrick has served as a mentor to three Knauss Fellows previously, and Lee has served as a mentor to five Knauss Fellows. Fellows who have worked with Patrick and Lee have found gainful employment at NOAA Fisheries, academia, and international resource management agencies.

### **Expertise Desired**

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

### **Travel within DC (days per month)**

Three to five days every two months.

### **Travel outside DC (days per month)**

Four to five days every two to three months.

**Accepts Foreign Nationals**  
Yes

**Position ID**

E19-44

**Position Title**

NOAA Fisheries Electronic Technologies Coordinator

**Agency**

National Marine Fisheries Service

**Office**

Office of Science and Technology

**Portfolio Summary**

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

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

1. Lead our effort to develop regional electronic technology implementation plans that identify, evaluate, and prioritize electronic technologies around the country. These plans are living documents that are required by each of our five regions and the Highly Migratory Species Division, and help track our effectiveness and implementation over time.
2. Develop policies on video data storage and retention requirements, video confidentiality, and industry-funded electronic monitoring programs. These policies will help shape ongoing and future development of electronic monitoring will require coordination with the Office of Sustainable Fisheries, our national electronic technologies working groups, and other Agency programs.
3. Lead the planning and coordination of the 3rd National Electronic Monitoring Workshop. This will require budget development, coordination with internal and external partners, and publishing a workshop report on lessons learned and next steps.

4. Assist with leading our national electronic technologies working group by developing webinars, budget planning, and coordinating our internal and external communications on electronic monitoring and reporting. This will include opportunities to brief NMFS leadership on regional successes and challenges of our programs.
5. Lead our efforts to develop technical standards for electronic monitoring hardware, software, and video review automation. This will require regional coordination and developing a partnership(s) with technical and regulatory experts to strategize how we foster a national data strategy, yet allow for some regional autonomy.
6. Develop a communications and outreach plan in concert with our various Regional and National-level communications teams within NOAA that supports our Regional electronic monitoring and reporting programs.
7. Lead our effort to build a national fish image library to expand and implement automated image processing and machine learning tools for our electronic monitoring programs. This will entail working with technical staff on how we standardize a single library and also include budget and policy planning for storing large volumes of imagery and video.

**Expertise Desired**

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

**Travel within DC (days per month)**

Several days each month.

**Travel outside DC (days per month)**

Approximately one week of travel every one to two months.

**Accepts Foreign Nationals**

Yes



**Position ID**

E19-45

**Position Title**

Marine Ecologist

**Agency**

National Marine Fisheries Service

**Office**

Office of Science and Technology

**Portfolio Summary**

The mission of the Protected Species Science Branch is to advocate for protected species science within and outside the National Marine Fisheries Service (NMFS) by investing in research and development efforts and to communicate and coordinate agency science in support of species conservation and recovery. Protected species include marine organisms within NMFS jurisdiction protected under a variety of US environmental statutes (e.g. Marine Mammal Protection Act, Endangered Species Act, and Migratory Bird Treaty Act). We are dedicated to advancing the science on living marine resources and fostering an environment where new ideas develop to realize NOAA's mandates as technologies evolve and new challenges emerge. The branch functions are principally guided by the office and senior NMFS and executive science and management boards. The core functions of the branch are focused on ocean acoustics, coral monitoring and recovery, sea turtle and marine mammal assessments, and climate and ecosystem impacts.

The fellow will be expected to lead or assist on the following projects:

Focus Area: Scientific Advice and Coordination

Task 1: Administer a rigorous 2-year 1M NMFS-wide RFP to improve sea turtle assessments. Additional responsibilities will include monitoring and tracking project performance and disseminating information on the agency website and via an internal Google site. Potentially, organize a first of its kind national workshop to develop strategic priorities for sea turtle research in NMFS. (Time commitment —10%-20% between March and September 30)

Task 2: Serve as the lead coordinator of the NMFS Protected Species Toolbox Initiative – a multimillion-dollar, long-term Research and Development (R&D) investment to develop, evaluate, and disseminate analytical products and applications to improve protected species assessments in support of management priorities. This would require tracking individual project progress via phone, email, and in-person workshops or meetings, periodic communication with Principal Investigators, attending workshops, problem-solving any project-related challenges, providing technical expertise, reviewing and evaluating project reports and products, and providing briefings to agency leadership as required. (Time commitment — 5-10% per month)

Task 3: The fellow will oversee the development and publishing as lead author of a National Sea Turtle Research Standards document that is a compendium of commonly used and approved sea turtle research techniques used by researchers within and external to NMFS. The document will be published as peer-reviewed NOAA Technical Memorandum. The task could involve potential travel to Science

Centers that conduct sea turtle research and work closely with sea turtle researchers, vets, and managers to obtain, develop, and compile protocols. The fellow will also coordinate with a nationally established Turtle Working Group to discuss, plan, review and approve the final document. (Time commitment — 15-20% per month)

Task 4: NMFS is conducting vulnerability assessments to identify which marine mammal stocks and sea turtle populations are vulnerable to climate change and what makes them vulnerable. These vulnerability assessments use existing life history information and expert judgment to assess exposure, sensitivity, and capacity to adapt to changing conditions. The fellow will have co-authorship on a peer-reviewed journal article and a NOAA Technical Memorandum. (Time commitment — 15-20% per month)

Specifically, the fellow will:

1. Develop climate vulnerability assessment stock/species narratives in coordination with regional and national NOAA Fisheries staff.
2. Assist in climate vulnerability assessment results analysis using a variety of quantitative and qualitative methods, examine and interpret data generated from the climate vulnerability assessment implementation. This will result in graphical and textual summaries of the results.
3. Support climate vulnerability assessment scoring workshop by taking detailed notes and assisting with facilitation. The fellow will contribute content to and review the workshop report.

Task 5: (optional) Assist in the development of a NMFS Handbook on Fisheries and Ecosystem Research Environmental Compliance to provide guidance at the NMFS and NOAA level about the various environmental statutory requirements and assessing impacts on the affected marine environment. The document will be published as a NOAA Technical Memorandum and will include co-authorship. (Time commitment — 10% per month between March and December 2019)

Focus Area: Research Communications

Task: Serve as co-editor of the quarterly newsletter, Science Connect — highlighting the latest NMFS research in protected species science. (Time commitment — 15% every quarter)

Focus Area: Independent Project

Task: The Fellow can undertake an independent project that meets a specific branch requirement or is focused on a specific aspect of protected species science. Typically, the end product should be a peer-reviewed publication or a web-based product or application. (Time commitment — Project dependent)

Focus Area: Professional Development

Task: During the fellowship year, the Fellow is encouraged to complete any pending University thesis or dissertation requirements or related publications, apply for research grants, attend and present at conferences, publish papers, or collaborate with NOAA researchers on topics that overlap with the office or NMFS priorities. The fellow is also encouraged to participate in one to two field projects led by NOAA researchers to learn more about taxa-specific data collection and applications that support NOAA's mission and priorities. Fellows will have plenty of opportunities to network with scientists, policy makers, and senior leadership internal and external to NMFS, as well as participate in different professional development opportunities nationally and internationally. For example, the fellow can

attend the second World Marine Mammal Conference in Barcelona, Spain in December 2019. (Time commitment – variable)

What will the fellow learn?

1. To produce high-quality technical documents
2. To critically think, analyze and present scientific information
3. To be patient but persistent
4. To work with scientific experts in the field
5. To work on multiple projects that may be outside principal expertise area
6. To understand how science is used to inform management, and in turn, influence species conservation and recovery policies
7. To understand the latest technologies and research advancements in marine science

**Expertise Desired**

- Excellent technical writing skills, including editing skills.
- Strong ability to communicate in both oral and written form with a diverse audience
- Strong scientific background in the marine sciences, general ecological concepts, and applications
- Independent worker, proactive, solution-oriented, detail-oriented, and timely with work
- Creative thinker
- Ability to work with people of diverse backgrounds
- Ability to work independently and in a team environment
- Willingness to learn, make mistakes, and acquire new professional skills
- Strong research and (optional) quantitative skills (e.g., statistical modeling/analysis, R or Matlab)

**Travel within DC (days per month)**

1-3 days

**Travel outside DC (days per month)**

3-5 days

**Accepts Foreign Nationals**

Yes

**Position ID**

E19-46

**Position Title**

Science and Policy Analyst

**Agency**

Bureau of Safety and Environmental Enforcement

**Office**

Office of Policy and Analysis

**Portfolio Summary**

Background: Since its establishment in 2011, BSEE has been the lead federal agency charged with improving safety and ensuring environmental protection related to the offshore energy industry, primarily oil and natural gas, on the U.S. Outer Continental Shelf (OCS). The Bureau vigorously regulates oversight of worker safety, emergency preparedness, environmental compliance, and conservation of resources. Our year-round work schedule includes conducting thousands of announced and unannounced inspections, developing safer technologies, mandating that each operator establish and follow their Safety and Environmental Management System (SEMS), and carrying out investigations when serious incidents do occur.

BSEE's Office of Policy and Analysis (OPAA) provides analysis, evaluation, and assessment capability to the bureau. OPAA manages and leads high-profile, multi-program, and multi-agency efforts in order to strengthen interrelated activities and information sharing. OPAA leads the bureau's programs for policy, strategic planning and performance, risk and internal controls, audits, and scientific integrity.

This position provides an excellent opportunity to work with BSEE staff, DOI senior policy contacts, and staff from across the Department's bureaus with a focus on safety and protection of the marine environment. The duty station will be in DC or Sterling, VA, which will be determined in discussion with the Fellow.

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

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

- Serving as the Bureau's Peer Review Coordinator
- Creating outreach materials and conducting information sessions on the bureau's scientific integrity program

- Supporting and coordinating the development of bureau policies on both technical and administrative matters;
- Coordinating the analysis of data on the bureau and industry's environmental and safety performance;
- Supporting implementation of annual bureau initiatives that support the achievement of the bureau's strategic goals

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

**Expertise Desired**

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

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

**Travel within DC (days per month)**

2-5 days per month

**Travel outside DC (days per month)**

2-5 days per month

**Accepts Foreign Nationals**

No

**Position ID**

E19-47

**Position Title**

Data Policy Fellow

**Agency**

National Oceanic and Atmospheric Administration

**Office**

Office of the Chief Information Officer/Chief Data Officer

**Portfolio Summary**

The position will focus on exploring options for implementing Federal data strategies to improve data dissemination, reduce agency costs, and increase the Nation's return on investment in NOAA's data.

The Fellow will report directly to the Chief Data Officer (CDO), Dr. Ed Kearns, and will work with CDO staff, as well as staff from all NOAA Line Offices, private industry, and NOAA Leadership to ensure that the operational Big Data Project is in alignment with the emerging Federal Data Strategy, (which should be posted October 15, 2018). This will touch on policy, budget, procurement, and legal implications, and will provide a unique and overarching view of the agency.

The Fellow will be expected to provide both strategic and tactical analysis, engage scientific, procurement, and data experts across the agency, as well as private industry, and participate in related meetings with NOAA Leadership.

The Fellow does not need a technical background; instead, strong written and oral communications, including the ability to speak in front of small or large groups, is desired, along with the ability to work as part of a team.

**Expertise Desired**

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

**Travel within DC (days per month)**

7-10

**Travel outside DC (days per month)**

Average 5 days/month - 5 to 6 months/year

**Accepts Foreign Nationals**

Maybe

**Position ID**

E19-48

**Position Title**

Fishery Management Specialist

**Agency**

NOAA

**Office**

Office of Sustainable Fisheries, Domestic Fisheries Division

**Portfolio Summary**

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

- Analyzing legislation that amends the MSA and other fisheries statutes.
- Developing technical guidance to help regions implement new provisions in the MSA National Standard 1 guidance.
- Developing adaptive fisheries management advice and exploring scenario planning as part of the climate fisheries team.
- Working with regions and the Councils to implement ecosystem based fisheries management.
- Supporting bycatch reduction initiatives including a webinar series on bycatch reduction projects and developing a performance metric to assess the applicability of bycatch reduction research.
- Advancing efforts to communicate the sustainability of US seafood to help address the seafood trade deficit.

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

**Expertise Desired**

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

**Travel within DC (days per month)**

Occasional

**Travel outside DC (days per month)**

Occasional

**Accepts Foreign Nationals**

Yes



**Position ID**

E19-49

**Position Title**

Budget Formulation Analyst

**Agency**

NOAA

**Office**

Formulation and Performance Management Division

**Portfolio Summary**

NOAA's Office of Oceanic and Atmospheric Research (OAR) is the organization that makes what NOAA does better. We do the research in Climate, Weather, Oceans, Coasts, and Great Lakes that allows NOAA to deliver better products and services to the American people. The Formulation and Performance Management Division (FPMD) works to justify funding for that science.

At its heart, budget is policy: where an organization spends its money is its priorities. Budget formulation is not just numbers and spreadsheets, but is a communication tool for describing the value of NOAA's research programs and products and why they are important to the American people. As a member of OAR's FPMD, the fellow will gain an excellent understanding of the legislative, budgetary, and decision-making processes within Congress, NOAA, and the wider Executive Branch. The fellow will learn to translate scientific information for delivery to a wide variety of audiences, including Congress, the Office of Management and Budget, NOAA leadership, and for external constituents.

A fellow in FPMD will get to participate in the federal budgeting process from start to finish - from aligning the money planned for NOAA's research programs with the needs of the nation, to delivering and defending the budget to congress, and answering questions for congressional briefings and hearings. A key aspect of this job is communication - the ability to describe NOAA's research programs to a non-scientific audience, and to articulate why the money we request for our programs is important. This job serves a direct role in both aiding the development of research priorities and helping our scientists get the funding they need to carry out their work. Roles and responsibilities include: develop and defend OAR's budget; collaborate with planning groups to develop the future year budget; interpret congressional appropriation actions; and respond to questions from Congress.

The fellow may receive the opportunity to travel to some of OAR's labs located across the country to meet with scientists and subject matter experts. The fellow will have the opportunity to work at the senior level on a range of issues relating to ocean, coastal, and Great Lakes ecosystems; climate; weather; and air quality research. We will work with the Fellow to tailor duties to best fit his/her interests and future career goals.

**Expertise Desired**

- Strong writing and editing skills
- Strong communication skills and interpersonal skills
- An interest in working at the intersection of science, policy, and budget
- Ability to learn quickly with an interest in issues that cut across the fields of ocean, coastal, and Great Lakes ecosystems; climate; weather; and air quality research

**Travel within DC (days per month)**

1-3 days per month

**Travel outside DC (days per month)**

occasional

**Accepts Foreign Nationals**

Maybe

**Position ID**

E19-50

**Position Title**

Science and Technology Fellow, Advanced Algal Systems

**Agency**

Department of Energy

**Office**

Bioenergy Technologies Office

**Portfolio Summary**

Statement of Work

The DOE Office of Energy Efficiency and Renewable Energy's Bioenergy Technologies Office (BETO) works with industry, academia, and our national laboratory partners on a balanced portfolio of research in biomass feedstocks and conversion technologies. Through research, development, and demonstration efforts geared toward the development of integrated biorefineries, the Bioenergy Technologies office is helping to transform the Nation's renewable and abundant biomass resources into cost competitive, sustainable biofuels, bioproducts, and biopower. For more information on BETO, please visit <http://bioenergy.energy.gov>.

**Placement Details:**

We are seeking a talented and committed individual to assist the Algae Program within the Bioenergy Technologies Office in strategic planning, technology development and assessments. Increasing senior management confidence in the state of algae technologies, resource assessments, and potential products is important for garnering enduring and substantive support for technology development and establishing a viable bioeconomy that includes algae. The selected fellow may be involved in a variety of activities which could include:

- Identifying key technological, regulatory, environmental, and socio-economic barriers to the development of a domestic algal biofuel industry
- Recommending research projects, initiatives, and approaches to support the development of algal biofuels
- Participating in the development and promotion of major strategies and studies such as technology design case studies and roadmaps as needed by the Office.
- Planning and facilitating workshops and conferences to gather stakeholder input on topics related to algal biofuels and bioproducts.
- Contributing to the update to the Bioenergy Technologies Office Multi-Year Program Plan, focusing on the overall messaging and Program resource-loading and target development.
- Authoring and editing white papers, reports, and roadmaps for algal technologies.
- Serving on the planning committee for the annual national BETO-sponsored conference which brings together experts from government, the private sector, and academia.
- Developing testimony and public remarks related to algae biofuels for DOE leadership
- Utilizing new media, website, and conventional media to communicate the Offices' message to the American public as well as develop mechanisms and strategies to gather stakeholder input.

- Identifying possible synergies between BETO and other Federal R&D programs
- Developing materials to communicate the Office's mission and activities to internal and external stakeholders
- Providing support and analysis to interagency working groups
- Assisting the Algae Program and the Bioenergy Office in meeting other needs of internal and external stakeholders as they arise
- Responding to Congressional inquiries and responses to post-hearing Questions for the Record regarding the Office.

### **Expertise Desired**

While experience in molecular biology, biotechnology, or chemical engineering is desirable, these are not requirements. The Office is seeking an individual that is able and willing to learn about new science and technologies with and apply this knowledge to assist in the management of financial awards and inter-/intra-office and inter-/intra-agency efforts.

### **Travel within DC (days per month)**

1

### **Travel outside DC (days per month)**

2.5

### **Accepts Foreign Nationals**

No

**Position ID**

E19-51

**Position Title**

Policy and Communication Specialist – Marine Mammal Health and Stranding Response Program

**Agency**

NOAA

**Office**

Office of Protected Resources

**Portfolio Summary**

The Marine Mammal Health and Stranding Response Program (MMHSRP) is charged with implementing Title IV of the Marine Mammal Protection Act and housed within in the Marine Mammal and Sea Turtle Conservation Division in the NMFS Office of Protected Resources. The MMHSRP is a fast-paced, exciting program overseeing response to marine mammal health emergencies and coordination of marine mammal health and stranding issues nationwide. This high profile program consists of several inter-related components: biomonitoring and research, response capabilities such as the National Marine Mammal Stranding Network, the Large Whale Disentanglement Network, John H. Prescott Marine Mammal Rescue Assistance Grant Program, and Marine Mammal Unusual Mortality Event investigations. Other programs within the Marine Mammal and Sea Turtle Conservation Division include the Large Whale Recovery and Sea Turtle Conservation programs.

The MMHSRP has several major undertakings this year, and the Fellow will be a key member of the team for each of them. In 2019, the MMHSRP will be conducting a program review with a panel of external experts, taking a broad look at the MMHSRP as a whole as well as focused analyses of a few key Program components. The Fellow will assist the MMHSRP, the facilitator, and the panel in preparing for, conducting, and implementing results from this review. Also in 2019, the MMHSRP plans to release a draft Environmental Impact Statement (EIS), examining the environmental impacts of the activities conducted by and under the authority of the MMHSRP. In addition to helping draft and review the EIS, we anticipate the Fellow will also assist or lead in the revision or development of best practices and protocols that serve as key mitigation measures for MMHSRP activities. Finally, a focus of this fellowship will be to develop processes to enhance the Division's external communications, to highlight the value of, and challenges surrounding, marine animal health and emergency response to marine mammal and sea turtle health crises, including Unusual Mortality Events, mass strandings, cold stun events, and euthanasia. Within these three major opportunities (program review, EIS, and communications) and the day-to-day work of the Program, the specific responsibilities of the position can be tailored to match the interests of the Fellow, and will be a significant contribution to the program while providing key resume-building skills in policy and management. Opportunities to assist with field activities in emergency responses or wild animal health investigations may also be available.

All of these responsibilities will involve working closely with headquarters Program staff, NMFS marine mammal stranding coordinators in the regions, and marine mammal response organizations across the U.S., and will offer the 2019 Fellow the opportunity to make connections with regional marine mammal stranding networks and NMFS regional offices. The MMHSRP works with a large number of constituents

and is looking for new ways to enhance our internal and external partnerships, including with traditional media outlets and social media platforms.

Duties may include:

- Summarizing complex information into background preparatory materials for an external expert panel review, and assisting with implementation of panel recommendations;
- Revising or drafting policies and best practices documents related to marine mammal health, emergency responses, outbreak investigations, etc. as part of the EIS process;
- Preparing diverse communication materials such as web content, developing monthly web stories highlighting both the work of the MMHSRP and that of our partners and improving the use of social media to effectively convey our messages to the public;
- Preparing briefing materials, pamphlets, factsheets and other materials that support visibility and awareness about marine mammal health issues for media calls and Congressional briefings;
- Assisting with coordination efforts during marine mammal emergencies (die-offs, mass strandings, high-profile individual cases); and
- Participating in marine mammal emergency response or field research activities.

We will work with the Fellow to determine other projects based upon existing opportunities/needs and their skills and interests, to maximize their success in this position.

#### **Expertise Desired**

Specific projects will vary depending upon expertise of the Fellow and the high priority needs of these emergency management programs. In general, the Fellow should have a background in biology/animal sciences, communication, or policy; prior experience with marine mammals is not a prerequisite. The Fellow should have excellent writing skills; good oral communication skills; be well suited to working in a team environment in unpredictable, fast-paced programs; and have experience with increasing the visibility of organizations on social media platforms.

#### **Travel within DC (days per month)**

1

#### **Travel outside DC (days per month)**

variable; 2-4 trips expected over the year

#### **Accepts Foreign Nationals**

Yes

**Position ID**

E19-52

**Position Title**

OAR Evaluations Fellow

**Agency**

NOAA

**Office**

Formulation and Performance Management Division

**Portfolio Summary**

The core responsibilities of the Fellow will be to manage the preparation and delivery of 1 federal Program Evaluation, and support the management and delivery of three federal lab reviews within NOAA Research's Formulation and Performance Management Division (FPMD). These activities will include schedule and meeting coordination, keeping accurate minutes, oversight of action items, development and review of Evaluation materials (e.g., guidance documents, presentations). Specific to the Program Review, the Fellow will provide additional support synthesizing Review Recommendations as they relate to OAR's three management Portfolios (e.g. Oceans/Coasts/Great Lakes, Weather, Climate). The Fellow will assist other FPMD staff in on-site support for lab reviews and program evaluations, and will support the Evaluations Team Lead as needed for other corporate evaluation activities (e.g. OAR-wide Societal and Economic impacts studies, Operations and Management (O&M) Reviews). The Fellow will also provide logistical support to the standing O&M Working groups on Budget and Workforce. The FPMD sits in the Office of Chief Financial Officer within NOAA Research, and with this placement, the Fellow will have an opportunity to work on other efforts within FPMD (and CFO), which would potentially include Strategic Planning, Budget Formulation, and performance measurement for execution.

**Expertise Desired**

Successful Fellows in this position have had strong writing skills, including the ability to synthesize information from a variety of sources; they possess an ability to deliver products and customer/stakeholder support with minimal direction; they are willing to tackle assignments outside of their comfort zone/expertise; they recognize that as a headquarters office, FPMD interacts with the entire portfolio of OAR and are interested in and willing to learn about and support that portfolio.

**Travel within DC (days per month)**

1-2

**Travel outside DC (days per month)**

occasional

**Accepts Foreign Nationals**

Maybe

**Position ID**

E19-53

**Position Title**

Gulf Coast Restoration Policy Fellow

**Agency**

U.S. Department of Treasury

**Office**

Office of Gulf Coast Restoration

**Portfolio Summary**

Position Title: Gulf Coast Restoration Policy Fellow

Office: Department of Treasury, Office of Gulf Coast Restoration

Laurie McGilvray, Program Director

**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 include:

- supporting coordination, communication, and policy development with the Gulf Coast Ecosystem Restoration Council (Council) Steering Committee and staff;
- providing technical assistance to states, Florida counties, and Louisiana parishes on environmental compliance responsibilities and best available science requirements for natural resource restoration and protection projects;
- assisting OGCR staff with internal review of best available science in grant applications and working with subject matter experts on addressing questions and requests for clarifications;
- working with OGCR staff to facilitate and implement improved performance metrics for states, counties, and parishes to measure the success of funded projects and make project information more publicly accessible;
- drafting Congressional notifications and other communications in coordination with the Office of Legislative Affairs.

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



As a relatively new office, there are many opportunities to help build and enhance the RESTORE Act programs and to work with other Federal agencies and non-Federal organizations funding Gulf Coast research and restoration projects. The RESTORE Act serves 47 states, counties, and parishes in the Gulf Coast region providing opportunities for a large variety of projects, such as beach, dune, and wetlands restoration, stormwater management, aquarium construction, boat ramps and park improvements, training in oyster aquaculture, and other types of projects. The RESTORE Act also provides funding to states for science, technology and monitoring at Centers of Excellence. New policy issues arise periodically and OGCR must provide clarification, interpretation, and answers to frequently asked questions and resolve policy issues. The fellow will assist OGCR in coordinating with the Council, an independent federal agency comprised of representatives of five Gulf Coast States and six federal agencies (including DOC, EPA, DOI), and with its staff. Coordinating with the Council will involve traveling to the Gulf Coast for Council Steering Committee meetings. The fellow also will help OGCR coordinate with other Gulf Coast funding programs (e.g., NOAA RESTORE Science Program, National Academies of Science Gulf Research Program, National Fish and Wildlife Foundation Gulf Environmental Benefit Fund) and work with state and local government grantees. In particular, the fellow will help Gulf Coast states, Florida counties, and Louisiana parishes meet best available science and environmental compliance responsibilities. Many of the 23 Florida counties and 20 Louisiana parishes have small staffs and lack the expertise and capacity to ensure that natural resource restoration and protection projects are based on best available science and that projects meet all the environmental requirements. Providing technical assistance is essential to enhancing the capabilities of counties and parishes, and the fellow may visit planned or ongoing projects. Additionally, every project funded with RESTORE Act funds must have performance measures. These measures generally have been set by states, parishes, and counties on a project-by-project basis. OGCR has an opportunity to help grantees be more systematic in how they measure success so that a more comprehensive story of the results can be shared publicly. Finally, the fellow will assist with communicating and coordinating with Treasury's Office of Legislative Affairs regarding new projects funded with RESTORE Act dollars and addressing questions raised by members of Congress.

Expertise Desired: Understanding of ecosystem restoration, understanding of federal environmental laws, interest in working with and providing technical assistance to local governments, ability to work in teams, good communication skills, analytical skills and ability to organize information

Travel to the Gulf Coast: 3-4 days every other month

**Expertise Desired**

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

**Travel within DC (days per month)**

1 day per month

**Travel outside DC (days per month)**

2 days per month

**Accepts Foreign Nationals**

No

**Position ID**

E19-54

**Position Title**

Program Analyst

**Agency**

National Oceanic and Atmospheric Administration

**Office**

Office of National Marine Sanctuaries

**Portfolio Summary**

This position is with NOAA's Office of National Marine Sanctuaries (ONMS) located in Silver Spring, MD. ONMS serves as the trustee for a network of underwater parks encompassing more than 600,000 square miles of marine and Great Lakes waters from Washington state to the Florida Keys, and from Lake Huron to American Samoa. The network includes a system of 13 national marine sanctuaries and Papahānaumokuākea and Rose Atoll marine national monuments. Few places on the planet can compete with the diversity of the National Marine Sanctuary System, which protects America's most iconic natural and cultural marine resources. The system works with diverse partners and stakeholders to promote responsible, sustainable ocean uses that ensure the health of our most valued ocean places. Backed by one of the nation's strongest pieces of ocean conservation legislation, the National Marine Sanctuaries Act, the sanctuaries seek to preserve the extraordinary scenic beauty, biodiversity, historical connections and economic productivity of our most precious underwater treasures.

The fellow will serve as a program analyst in ONMS headquarters Policy and Planning Division and will report to Vicki Wedell, Chief of Policy and Planning. The Policy and Planning Division is responsible for providing national guidance and site-specific support in the areas of sanctuary designation and expansion, legislative and regulatory issues, permitting, management plan review, interagency consultations, incident response and damage assessment, restoration planning, enforcement, and environmental compliance (e.g., National Environmental Policy Act). The fellow will work with ONMS leadership at headquarters, regional offices, and field sites and will gain insight into marine and maritime heritage resources and relevant policy issues.

In the upcoming year, the Policy and Planning Division (in coordination with regional offices and field sites) is working on:

1. New national marine sanctuary designations and expansions of the Florida Keys, Flower Garden Banks, and Monitor national marine sanctuaries;
2. Policy and permitting issues involving desalination, submarine cables, and alternative energy;
3. Management plan reviews for Gray's Reef and Channel Islands national marine sanctuaries;
4. Environmental compliance and interagency consultations (e.g., Endangered Species Act, Marine Mammal Protection Act, Coastal Zone Management Act, and National Historic Preservation Act) for field operations across the National Marine Sanctuary System;
5. Coordination with other program offices in National Ocean Service, NOAA Fisheries, US Coast Guard, and Department of Navy (among others) on sanctuary-specific issues.

A key responsibility of this position is evaluating legislation, regulation, and policies affecting NOAA national marine sanctuaries activities. The fellow will assist in developing and implementing policy and guidance across a wide variety of areas. In the Policy and Planning Division, a fellow can expect to produce or contribute to analyses and documents supporting policy initiatives, including management plan reviews, rulemakings, policy and permitting guidance, environmental analyses pursuant to the National Environmental Policy Act and other statutes. Through this opportunity, the fellow will establish nationwide contacts, pursue program-related interests, develop new skills, and become familiar with natural and maritime heritage resources planning, management, and implementation processes. This position allows flexibility for the Fellow to develop and take on additional projects to gain relevant experience.

**Expertise Desired**

An ideal candidate is an individual with an environmental policy background interested in applying those skills to advancing marine resource protection and maritime heritage conservation. The fellow should have:

1. Strong interpersonal and coordination skills.
2. Strong initiative, independence and task management skills.
3. Strong organizational and creative problem solving skills.
4. Excellent written and oral communication skills.
5. Understanding of natural resource management and policy.
6. Interest in program management and partnerships.
7. Experience with MS Office applications (Word, Excel, PowerPoint).

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 marine policy and natural resource planning. This position offers 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 science and policy issues.

**Travel within DC (days per month)**

1-3 days depending on portfolio

**Travel outside DC (days per month)**

1-3 days depending on portfolio

**Accepts Foreign Nationals**

Maybe

**Position ID**

E19-55

**Position Title**

Special Assistant to Director, Office of Habitat Conservation

**Agency**

NOAA

**Office**

Office of Habitat Conservation

**Portfolio Summary**

This opportunity is based in the Office of Habitat Conservation (OHC) in NOAA Fisheries serving as the Special Assistant to the Office Director and supporting office-wide partnership and communication efforts. The fellow will work directly with the Office Director and closely with senior management and communications teams as well as with other NOAA staff and partners. Under the direction of the Office Director, our fellow will take a leadership role supporting office-wide strategic initiatives, internal and external communications, as well as staff the Director in meetings, conferences, and on travel. The fellow will gain experience working on high-level issues related to a variety of different habitat types, including coral reefs. The position will coordinate across OHC divisions, participate in NOAA-wide and interagency meetings, and engage in conferences and field visits. The fellow will support national-level partnership efforts and help develop internal and external communication products and tools and be exposed to high-level decision making.

OHC works to promote stewardship of coastal and marine habitat to support our nation's fisheries. We restore degraded habitat by removing dams and other barriers, reconnecting coastal wetlands, and rebuilding coral and oyster reefs to ensure fish have access. The Magnuson-Stevens Fishery Conservation and Management Act, Endangered Species Act, and Oil Pollution Act guide many of our efforts. We also work in partnerships at all levels—with local, state, federal governments, private entities, and non-governmental organizations—toward shared goals. More than 150 people work in the office, many in the regions, through three divisions: the Restoration Center, Habitat Protection Division, and NOAA Chesapeake Bay Office. We focus our work on key coastal habitats such as shallow and deep-sea coral, wetlands, estuaries, and rivers.

The fellow will have the opportunity to establish contacts, pursue program related interests, develop new skills, and become familiar with coastal and living marine resource conservation. Both travel and training opportunities will be available.

**Expertise Desired**

The ideal candidate will have an environmental policy or science background and be interested in applying those skills to advancing coastal and marine habitat conservation. Excellent interpersonal, organizational, problem-solving, and communication skills are necessary. Ability to prioritize and manage multiple projects under tight deadlines. Must be willing to take initiative with little guidance. Skilled with Excel, Word, Google suite, and PowerPoint.

**Travel within DC (days per month)**

2-5 days per month

**Travel outside DC (days per month)**

1-3 days per month (or 4-5 trips per year)

**Accepts Foreign Nationals**

Maybe

**Position ID**

E19-56

**Position Title**

Congressional and Legislative Affairs Fellow

**Agency**

U.S. Fish and Wildlife Service

**Office**

Congressional and Legislative Affairs

**Portfolio Summary**

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

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

CLA is a small team that works within the Service's External Affairs program alongside the Public Affairs and External Partnership divisions. We are very familiar with the Knauss fellowship program, as the CLA chief, deputy chief, and a staff member are former Knauss Fellows. We also have hosted a number of fellows in the recent past who now have successful careers within the Service, other federal agencies, and in the nongovernmental sector. The office is consistently busy and the work is fast-paced. The issue portfolio for a Fellow is to be determined early in 2019. Past Fellows have worked on a range of issue areas; examples include Endangered Species, Fisheries and Aquatic Conservation, Marine Mammals, International Affairs, Science Operations, Wildlife and Sport Fish Restoration, Conservation on Military Installations, and Coastal Barriers. The Fellow will also be responsible for coordinating daily and weekly reports for officials in the Service and the Department of the Interior (DOI) on Congressional interactions and legislation.

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

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

- Serving as a liaison for the Service with congressional staff on committees and in personal offices; responding to requests for information.
- Advising the Service's leadership and programs regarding pending legislation.
- Initiating, drafting, reviewing, and facilitating clearance of policy positions, testimony and reports on many and varied legislative issues referred to the Service by DOI.
- Coordinating or assisting in preparation for congressional hearings and briefings.
- Maintaining active, ongoing communications with congressional offices.
- Coordinating with other federal agencies.
- Attending meetings, briefings and hearings on Capitol Hill.
- Developing daily and weekly reports to be sent to DOI on Congressional interactions and legislation.
- Coordinating a congressional staff delegation tour.

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

#### **Expertise Desired**

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

#### **Travel within DC (days per month)**

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

#### **Travel outside DC (days per month)**

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

#### **Accepts Foreign Nationals**

Yes

**Position ID**

E19-57

**Position Title**

Science Education Fellow

**Agency**

NOAA

**Office**

Office of Education

**Portfolio Summary**

NOAA's Office of Education (OEd) is the only office in the agency dedicated solely to advancing ocean and atmospheric science through education. Located in the Department of Commerce building in downtown Washington, D.C., the office serves two main functions. First, the office runs programs of its own. These include collaborative networks of educational institutions like aquariums and museums, competitive grant competitions, student scholarships, and partnerships with minority-serving universities. Second, the office acts as a unifying force for other education-related initiatives embedded throughout the agency. The office brings together NOAA programs with a major focus on education—programs like National Marine Sanctuaries, Sea Grant, and the Climate Program Office—through the NOAA Education Council. There, these programs work collaboratively on projects, creating a more cohesive and effective agency-wide approach to educating the public on the NOAA sciences.

Because OEd is a relatively small office with a broad charge, the OEd Knauss fellow will gain a breadth of experience through a range of projects. Time spent on individual projects will vary according to the fellow's interests and the office's needs, with opportunities for leadership on projects of particular interest. The fellow will have the opportunity to do the following:

- Help coordinate external partnerships

The fellow will spend a portion of their time working at the nexus of NOAA and external innovative educational institutions. The fellow will help coordinate the Coastal Ecosystem Learning Centers Network, a consortium of exceptional conservation-driven aquariums across North America. The fellow will co-lead monthly calls and coordinate network efforts on issues of mutual interest to NOAA and the network's member aquariums; topics include aquaculture education, youth engagement, and climate resilience. Additionally, the fellow will have the opportunity to work with museums and science centers through the office's Science On a Sphere® Users Collaborative Network.

- Support the NOAA Education Council

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

- Contribute to Congressional and interagency efforts



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

- Other projects of interest

The fellow can also dive into other OEd initiatives as they relate to the fellow's background and interests. These opportunities may include: providing support to OEd leadership in meetings with NOAA leadership, communicating NOAA's education successes through writing web stories and posting on social media, assisting with education-related outreach events, developing content and presentations for Science On a Sphere®, and supporting the office's two competitive grant programs.

### **Expertise Desired**

The fellow should have these skills:

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

It is desirable that the fellow also have the following:

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

### **Travel within DC (days per month)**

3-6

### **Travel outside DC (days per month)**

1-3

### **Accepts Foreign Nationals**

Yes

**Position ID**

E19-58

**Position Title**

Restoration and Ecosystem Services Fellow

**Agency**

NOAA

**Office**

Office of Habitat Conservation/Restoration Center

**Portfolio Summary**

NOAA's Restoration Center focuses on conserving habitat to boost fish populations and recover threatened and endangered species. Habitat restoration helps people, too. Restored coastal habitats provide clean water, support fish and wildlife, and protect coastal communities from storms. They also support boating, fishing, and tourism. We also conduct economic and socio-cultural research to ensure that we understand all the benefits to the communities that depend on those resources. This can include fishermen, indigenous communities, and other members of coastal communities that interact with marine resources in different ways. By studying both the social and economic aspects of communities, we can manage fisheries and protected species in a way that works best for everyone.

As a Habitat Conservation fellow you will serve as a policy and program analyst. A key responsibility of this position will be to combine an interest in fisheries habitat restoration with the societal benefits associated with changes in habitat quality/quantity as a result of restoration. The Restoration Center restores fisheries habitat for ecological benefits, but socioeconomic benefits also result, such as public access, community resilience, stewardship, and economic benefits. While some restoration benefits have monetary value, others are less easily quantified. The Restoration Center wants to improve how we articulate the socioeconomic and ecosystem service benefits of habitat restoration. The objectives of this position are to 1) understand what information exists related to the ecosystem service and socioeconomic benefits of restoration, 2) develop a strategy for assessing overall value of restoration, 3) develop a communications plan on key messages related to both the ecosystem services and socioeconomic benefits of restoration.

You can expect:

- Contact with NOAA's leadership, programmatic experts, and regional personnel (Northeast/Great Lakes, Southeast/Caribbean, Southwest/Pacific Islands, and Northwest/Alaska regional offices);
- Be the lead on developing a strategy on assessing the overall value of habitat restoration;
- Establish nationwide contacts, pursue program related interests, develop new skills, and become familiar with coastal habitat restoration planning, management, and implementation processes;
- Gain insight to habitat restoration programs and relevant policy issues including strategic planning; and

- Flexibility for the fellow to take on additional projects to gain relevant experience (e.g., previous fellows served as grant proposal reviewers, assisted in strategic planning, helped evaluate monitoring in restoration projects, and helped facilitate internal communications).
- Build awareness of broader NOAA missions across line offices and interact with internal NOAA partners.

### **Expertise Desired**

#### **Mandatory Skills**

1. Strong interpersonal communication and coordination skills. 2. Strong organizational and creative problem solving skills. 3. Strong initiative, independence, and task management skills. 4. Understanding of coastal ecology, fisheries management and science, or habitat restoration and science. 5. Interest in program management, public-private partnerships, and social sciences.

#### **Desired Skills**

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

### **Travel within DC (days per month)**

Occasional

### **Travel outside DC (days per month)**

Occasional

### **Accepts Foreign Nationals**

Yes

**Position ID**

E19-59

**Position Title**

Coastal Resilience Science Fellow

**Agency**

NOAA

**Office**

National Centers for Coastal Ocean Science

**Portfolio Summary**

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

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

We are seeking a Fellow to work with a dynamic team at NCCOS headquarters to lead or assist in projects that enhance and grow our Coastal Change portfolio through strategic engagement and partnerships. Depending on interest and expertise, the Fellow will:

- Formulate and execute a congressional outreach and engagement strategy focused on the Coastal Change portfolio;
- Coordinate relevant internal and external science activities and the development of key messages;
- Represent NCCOS in internal and external working groups, workshops, meetings, and other forums to facilitate the transition of NCCOS science and establish strategic partnerships;
- Collaborate in the review and selection of proposals submitted to the external Ecological Effects of Sea Level Rise funding opportunity for fiscal year 2019;
- Inform and/or guide relevant science priorities and projects through the identification and application of key stakeholder needs.

Through a fellowship with NCCOS, a Fellow can expect to gain experience in Congressional engagement, science program management, an understanding of stakeholder needs related to climate and coastal inundation impacts, and an opportunity to establish a strong network with staff from across NOAA, state

and local agencies, federal scientists, non-governmental organizations, and academic institutions. Opportunities to visit our research laboratories, research Universities, conferences, and/or meetings will be available.

For more, see <https://coastalscience.noaa.gov/research/coastal-change/>.

**Expertise Desired**

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

**Travel within DC (days per month)**

0-2

**Travel outside DC (days per month)**

0-4

**Accepts Foreign Nationals**

Maybe

**Position ID**

E19-60

**Position Title**

Marine Policy Assistant

**Agency**

NOAA

**Office**

Ocean Prediction Center

**Portfolio Summary**

The Ocean Prediction Center, in NOAA's National Weather Service, is responsible for providing forecasts and warnings for maritime weather hazards over much of the north Atlantic and Pacific Oceans. Improving the safety of life and property at sea while supporting the nation's economic viability is paramount, with much of the nation's nearly \$2 trillion worth of imports and exports transported aboard seafaring vessels that often traverse across these oceans' stormiest waters.

OPC is a key service provider of the U.S. contribution to a global network of weather centers providing support to the International Maritime Organization's Global Maritime Distress and Safety System, transmitting forecasts and hazardous weather warnings via the World Meteorological Organization's Marine Broadcast System. These requirements are codified in amendments to the International Convention for the Safety of Life at Sea, the origin of which dates to the 1912 Titanic disaster.

OPC is part of the National Centers for Environmental Prediction (NCEP). Located at the NOAA Center for Weather and Climate Prediction (NCWCP) in College Park, MD, NCEP oversees the 9 national centers that deliver national and global weather, water, climate, and space weather guidance, forecasts, warnings and analysis to a broad range of users and partners. NCEP plays an essential role in building a "Weather Ready Nation"— building community resilience in the face of increasing vulnerability to extreme weather and water events.

The Fellow will be a full member of the Ocean Prediction Center, serving as the Marine Policy Advisor, working on projects of strategic interest to both the Fellow and the Center. The Fellow will work directly for and have frequent interaction with the OPC Director, a Senior Executive. The OPC Director also serves in the following roles:

- Chair, Services and Forecasting Systems Program Area, Joint World Meteorological Organization/ Intergovernmental Oceanographic Commission Technical Commission for Oceanography and Marine Meteorology (JCOMM)
- Co-Chair, International Ice Charting Working Group
- U.S. Co-Chair, North American Ice Service
- NWS representative, Executive Oversight Board for the Resources and Ecosystems Sustainability, Tourist Opportunities, and Revived Economies of the Gulf States (RESTORE) Act Science Program
- Support to NWS Deputy Director on the NOAA Ocean and Coastal Council
- NOAA Representative to the Executive Steering Committee for the tri-agency (Navy-NOAA-Coast Guard) National Ice Center

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

**Expertise Desired**

Background and expertise in marine science or a related discipline would be helpful but is not required. Excellent written and oral communication, teamwork, interpersonal, analytical, and organizational skills are required, as is the ability to work independently, translating general guidance into consequential actions. A passion for linking users of maritime weather information with service providers is highly desired!

**Travel within DC (days per month)**

3-5 days

**Travel outside DC (days per month)**

TBD

**Accepts Foreign Nationals**

No

**Position ID**

E19-61

**Position Title**

Conservation Science Division - Project Lead

**Agency**

NOAA

**Office**

Office of National Marine Sanctuaries

**Portfolio Summary**

The Office of National Marine Sanctuaries (ONMS) serves as the trustee for a network of underwater parks encompassing more than 620,000 square miles of marine and Great Lakes waters from Washington State to the Florida Keys, and from Lake Huron to American Samoa. The network includes a system of 13 national marine sanctuaries and Papahānaumokuākea and Rose Atoll Marine National Monuments. The Conservation Science Division of the ONMS provides coordination, oversight and guidance for wide variety of initiatives to study and address priority conservation issues, challenges, and opportunities across the system, including ocean acidification, noise, loss of biodiversity, invasive species, resource connectivity and contaminants. The CSD also supports all regulatory requirements of the ONMS including sanctuary management plans and condition reports, development of policies and regulations, legislative engagement, NEPA compliance and Agency level support. Key functions of the CSD are in the natural sciences, socioeconomics, geospatial analysis, underwater videography, mission coordination, and dive operations. In these areas, our work to address priority conservation issues is multifaceted and includes national coordination of partners, local implementation of field projects, development of education programs for formal and informal education, as well as targeted social media campaigns. Successful fellows are integrated into a variety of CSD operations, and are provided unique professional development and leadership opportunities based on their particular interests, skills, and goals for the fellowship.

For more information about the ONMS and the conservation Science Division:

-- National Site - <https://sanctuaries.noaa.gov/>

-- Social Media - <https://sanctuaries.noaa.gov/earthisblue.html>

-- Conservation Science – <https://sanctuaries.noaa.gov/science/>

-- Virtual Diving - <https://sanctuaries.noaa.gov/vr/>

-- ONMS Strategic Plan - <https://nmssanctuaries.blob.core.windows.net/sanctuaries-prod/media/docs/onms-strategic-plan-2017-2022.pdf>

**Expertise Desired**

Strong written communication and interpersonal skills. Strong analytic ability. Ability to work on a number of projects simultaneously. High level of comfort in public speaking and engagement. Experience with complex project management. Experience with mission planning and field work. Ability



to interpret, communicate and integrate science into social media, education, and management products.

**Travel within DC (days per month)**

~1-3 (TBD)

**Travel outside DC (days per month)**

1-2 weeks per year (TBD)

**Accepts Foreign Nationals**

Yes

**Position ID**

E19-62

**Position Title**

Research Integration Specialist

**Agency**

NOAA

**Office**

National Sea Grant Office

**Portfolio Summary**

The Sea Grant Research and Extension Specialist will join the dynamic team in the National Sea Grant Office (NSGO) that supports a network of 33 Sea Grant Programs in coastal and Great Lakes states and territories. Sea Grant's network of university-based scientists and extension specialists located within the coastal communities they assist, makes the program uniquely poised to transition research results into action and support societies in making scientifically informed personal, policy and management decisions that impact our coastal communities. The Research Integration Specialist will evaluate the fundamental principles and operations of Sea Grant's extension and research community to determine how exchange of research findings, tools, and products are shared with those who need them. The fellow will determine how research results are informing science-based management and policy and develop a method to integrate and apply the Sea Grant model in research to application activities across NOAA line offices and programs.

This fellowship experience will provide an opportunity for the Research Integration Specialist to develop working relationships with scientists and extension staff across Sea Grant's expansive network to gain a comprehensive understanding of the connections and information paths between university-based research, community needs, government partnerships, and science-based policy. The specialist will support efforts of the network's research and extension coordinators, and ensure successful and nationally relevant outcomes that are visible to program and agency leadership. Additionally, the fellow will explore research to application activities with NOAA's National Weather Service (NWS) and NOAA's National Marine Fisheries Service (NMFS). These case studies will be used to identify ways Sea Grant can work more closely with these partners to facilitate transfer of knowledge between NOAA programs.

Key objectives of this portfolio are: (i) to synthesize best management practices of well-integrated research and extension portfolios from the Sea Grant network, (ii) recommend policies that advance the communication and tracking of research to application, (iii) expand on the current landscape analysis of Sea Grant Research and evaluate how extension activities are tracked across the network (iv) conduct case analyses at local and federal levels to develop recommendations on how to integrate Sea Grant's research and extension capabilities with needs at our partner programs, and (v) build NSGO's understanding of and ability to message Sea Grant research to application strengths, successes, and gaps.

The Research Integration Specialist will gain exposure to the day-to-day activities of a NOAA national program office, which, depending on their area of expertise and interests, may include work on budget proposals, taskers, reporting requirements, briefings, and communications. The National Sea Grant

Office is an interesting office environment with a highly experienced staff that is always eager to lend a hand.

**Expertise Desired**

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

**Travel within DC (days per month)**

1-3

**Travel outside DC (days per month)**

1-3

**Accepts Foreign Nationals**

Yes

**Position ID**

E19-63

**Position Title**

GEO Blue Planet Policy Fellow

**Agency**

NOAA

**Office**

NESDIS/NOAA/SOCD

**Portfolio Summary**

The NOAA/NESDIS/STAR Satellite Oceanography and Climatology (SOCD) Division hosts the Secretariat for the GEO Blue Planet Initiative ([www.geoblueplanet.org](http://www.geoblueplanet.org)).

GEO Blue Planet is a network of ocean and coastal-observers, social scientists and end-user representatives from a variety of stakeholder groups, including international and regional organizations, NGOs, national institutes, universities and government agencies. Our experts have a demonstrated capacity to bridge the gap between data and services to deliver usable information that supports informed decision-making toward reaching sustainable development.

GEO Blue Planet is the ocean and coastal arm of the Group on Earth Observations (GEO). GEO is a partnership of more than 100 national governments and in excess of 100 Participating Organizations that envisions a future where decisions and actions for the benefit of humankind are informed by coordinated, comprehensive and sustained Earth observations.

In this position, the fellow will work with the director of the GEO Blue Planet Secretariat, based at NOAA NESDIS/STAR/SOCD in College Park Maryland, to support delivery of Earth Observation Products in support of GEO's policy objectives - the Sendai Framework for Disaster Risk Reduction, the UN 2030 Agenda and the UNFCCC. The fellow will work to identify stakeholder needs (particularly in developing countries) and support the director of the Secretariat in administrative and coordination duties.

**Expertise Desired**

A knowledge of international policy is a plus but not required. The fellow should have excellent written and oral communication skills and be comfortable working independently and as part of a team. The fellow should have an understanding of oceanography and challenges to sustainable development and mitigation efforts required for coastal community sustainability.

**Travel within DC (days per month)**

0 - 1

**Travel outside DC (days per month)**

Approximately two international trips per year (destination TBA)

**Accepts Foreign Nationals**

Yes

**Position ID**

E19-64

**Position Title**

NIHHIS Communications and Outreach Specialist

**Agency**

National Oceanic and Atmospheric Administration

**Office**

Climate Program Office, NOAA Research

**Portfolio Summary**

Summers in North America have grown longer and hotter, and this presents a growing challenge to the health of its residents. Heat extremes can have severe consequences – decreasing labor productivity and air quality, increasing energy consumption, discomfort, and psychological distress – and sometimes result in avoidable deaths. In response to the threat of extreme heat, state and local governments, as well as many other organizations, have been taking action to alleviate heat risk both in the near term and long term. In an effort to better understand and inform these risk management actions, the National Oceanic and Atmospheric Administration (NOAA) as well as the Centers for Disease Control and Prevention (CDC) launched NIHHIS: The National Integrated Heat Health Information System. NIHHIS is a platform to improve and deliver information that supports decision-making by practitioners who protect Americans' health from heat stress as well as to inform research priorities in the health, social, and Earth sciences.

The NIHHIS Communications and Outreach Specialist (NIHHIS Fellow) will become an essential part of the NIHHIS core team, which is centered in NOAA Research's Climate Program Office. The NIHHIS fellow will manage the public face of NIHHIS, build and sustain important partnerships, and communicate key information to NIHHIS stakeholders. The fellow will lead development of the next version of the NIHHIS portal [<http://climate.gov/nihhis>], grow the NIHHIS social media presence, perform outreach to the NIHHIS community, and engage in both the NIHHIS inter-agency working group and the local NIHHIS pilots.

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

In addition to external communication and engagement with NIHHIS partners, the fellow will be expected to build bridges within NOAA as well, and will get exposure to the National Weather Service, National Ocean Service, and other Line Offices through initiatives such as NOAA One Health, and Weather Ready Nation. The NOAA One Health initiative is a community of practice that brings together the many health-relevant activities of the agency to demonstrate our integrated health capacity, to

connect that capacity to the work of other agencies, university scientists, and decision makers served by NOAA. The fellow will gain broad knowledge of the many health issues that NOAA plays a role in managing, including extreme heat, air quality, Arctic issues, vector- and water-borne disease, benefits from the sea, and marine mammal disease.

While NOAA One Health is primarily intra-agency, it is connected to the Weather Ready Nation (WRN) initiative. WRN is a public outreach and relationship management activity which sustains vital connections to the many communities and individuals who rely upon NOAA to stay safe and healthy. The WRN initiative does this by cultivating WRN Ambassadors who engage with NOAA in a structured way and agree to serve as an example of a resilient partner and share their successes in managing weather (and climate) risks with NOAA. NOAA in turn works with the ambassador to identify opportunities to increase resilience and to incorporate weather, water, and climate information into decision-making.

The fellow's duties will include:

- Manage the public face of NIHHIS, including the web portal, social media, print literature and other digital materials, and through conversations and public presentations.
- Work in an interagency context to develop heat health social media campaigns, communications plans, and potential new integrated heat health information products for communicating to stakeholders in communities across the North America.
- Develop deep knowledge on heat health, including the climatological and meteorological drivers of heat waves, health impacts, interventions and risk management techniques, common challenges and best practices.
- Manage the external-facing Weather Ready Nation program's health activities, including sending quarterly newsletters, maintaining relationships with ambassadors, soliciting new ambassadors through outreach and speaking engagements, and welcoming new health ambassadors.
- The fellow may also support NOAA One Health activities, including organizing a NOAA One Health meeting and communicating health updates and opportunities across the enterprise.

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

The fellow will report to Hunter Jones, Climate and Health Projects Manager, and Juli Trtanj, One Health and Integrated Climate and Weather Extremes Research Lead

#### **Expertise Desired**

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

#### **Travel within DC (days per month)**

3-6

**Travel outside DC (days per month)**

2-5

**Accepts Foreign Nationals**

Yes

**Position ID**

E19-65

**Position Title**

Precision Navigation Fellow

**Agency**

National Oceanic and Atmospheric Administration

**Office**

Office of Coast Survey

**Portfolio Summary**

The Precision Navigation Fellow will work in the Office of Coast Survey, the oldest office within NOAA. President Thomas Jefferson created the U.S. Coast Survey in 1807 to provide nautical charts that would help the young nation with safe shipping, national defense, and maritime boundaries. Two centuries later, Coast Survey – now an office within NOAA – continues to provide navigation products and services that ensure safe and efficient maritime commerce on America's oceans and coastal waters, and in the Great Lakes.

Today's ships are moving through U.S. ports with little room under their keels -- in some cases, less than one foot. Unfortunately, the tools currently available to mariners for making safe operational decisions have not changed significantly over the last twenty years, increasing wait times in ports, and contributing to uncertainty and lack of confidence in route-planning. NOAA's Precision Navigation program, coordinated by Coast Survey and supported by multiple NOAA National Ocean Service offices such as the Center for Operational Oceanographic Products and Services, National Geodetic Survey, Integrated Ocean Observing System, as well as the National Weather Service, launched in 2018. Port by port, Precision Navigation will seamlessly integrate high-resolution bathymetry and shoreline data, with real-time predictions and forecast data—such as swell, water levels, currents, salinity, temperature, wind, and precipitation—to produce a stronger decision support tool.

Precision Navigation is a major focus of the NOAA Administrator's Blue Economy Initiative, so the Fellow will be working on a priority area for the agency, and have the unique opportunity to engage in a new policy initiative for NOAA. The fellow will have the distinct opportunity to work closely with the Director and Deputy Hydrographer of Coast Survey, as well as across program offices within the National Ocean Service. This is an opportunity to be engaged in one of the agency's newest priorities, and to be a part of the program development. The fellow will gain expertise in developing and fostering external partnerships, effective communications up, down and across government, as well as with stakeholders and the Hill.

The Precision Navigation Fellow will focus on two main areas during the fellowship period:

**Precision Navigation**

The primary project for the fellow will be to complete a comprehensive Communications and Rollout Plan for upcoming Precision Navigation projects. A Rollout Plan is a document describing how external stakeholders will be able to have awareness of a new plan or initiative. The Rollout Plan may include a list of Q&A for media and general inquiries, as well as letters to Congressional offices to explain the



initiative or plan. The plan will need to include complete timelines for the rollout of Precision Navigation in a sequence of ports, key messages, and how these messages would change based on the stakeholder or be tailored for each port. The plan will also need to address the appropriate mechanisms for messaging. Additionally, the fellow will support the Precision Navigation program manager with educating NOAA leadership, Congress, and stakeholders on Precision Navigation. The fellow may also have the opportunity to engage with other Federal offices with missions in maritime transportation such as the Army Corps of Engineers, U.S. Coast Guard, and the U.S. Maritime Administration. Opportunities to travel with Coast Survey leadership to meetings, conferences, and Federal Advisory Committee meetings to discuss requirements and status of Precision Navigation projects in various U.S. port complexes also exists. The fellow will lead coordination of two workshops during the fellowship for Precision Navigation, including one for external stakeholders, as well as one internal workshop for NOAA partners.

#### **Coast Survey Communications**

In addition to supporting Precision Navigation, the fellow will support all of the Office of Coast Survey's programs for ocean mapping and charting by developing social media posts, writing and editing for the Coast Survey Newsletter and blog, and developing content for the recently-revamped Coast Survey website. If interested, the fellow will explore and develop video segments that better capture the work of Coast Survey, particularly at sea and in the field, and share this with the public. The fellow will work with other NOAA offices to help coordinate NOAA's Navigation Services annual "All Interested Staff Briefing" to the Hill, as well as develop communications materials for the Hill and external stakeholders.

Additional final projects and responsibilities will be ultimately be assigned based on the fellow's experience and interests, as well as the evolving needs of Coast Survey.

#### **Expertise Desired**

**Mandatory Skills:** Strong oral and written communication skills, including editing skills. Strong organizational skills and ability to take initiative and lead projects. The fellow must work well both independently and as part of a team. Of special importance is the ability to convey highly technical scientific information to a variety of audiences, including non-scientists.

**Desired Background Skills:** Familiarity with oceanography, marine geography, hydrography, and/or ocean observing systems is a plus. An interest in learning videography is also a plus.

#### **Travel within DC (days per month)**

1-2

#### **Travel outside DC (days per month)**

1-2

#### **Accepts Foreign Nationals**

No

**Position ID**

E19-66

**Position Title**

Marine Mammal Permitting Policy Fellow

**Agency**

NOAA National Marine Fisheries Service

**Office**

Office of Protected Resources

**Portfolio Summary**

The Office of Protected Resources, Permits and Conservation Division issues permits and authorizations under Section 10a1A of the Endangered Species Act (ESA) and Section 104 of the Marine Mammal Protection Act (MMPA) for activities conducted on marine mammals (cetaceans and pinnipeds excluding walrus). Two projects are available for the Fellow to choose from:

- 1) developing standard methods for marine mammal research, and
- 2) recording the history of marine mammals captured or imported for public display dating back to 1972.

1) Marine Mammal Standard Methods

This project involves the development of standard methods used in marine mammal research. Scientific research permits are an important component of marine mammal conservation - the data yielded from permitted scientific studies provides the foundation for determining the status of a species and protections needed. The goal of this project is to develop standardized methods for use by researchers who conduct scientific studies on marine mammals. This will ensure the procedures used (e.g., biopsy sampling for genetics) are conducted consistently and with the appropriate mitigation to minimize impacts to animals. In addition, having standard methods will greatly streamline the permit process.

The Fellow would:

- a) Compile and edit scientific research methods used to conduct research on marine mammals (primarily pinnipeds) using existing permit applications within our online application system.
- b) Coordinate meetings as needed with and reviews by NMFS scientists, the U.S. Marine Mammal Commission, academic researchers, and others.
- c) Compile comments and make editorial revisions to the methods.
- d) Work with permit staff to draft a NOAA Tech Memo with the final standard methods and a description of the process used to develop and update them, and assist in determining the best way to implement the standard methods into our existing processes.
- e) Conduct other tasks based on interest including but not limited to processing scientific research permits.

2) History of Public Display of Marine Mammals In America

Our office issues permits under Section 104 of the MMPA for the collection or import of marine mammals for public display purposes. We are also required by the MMPA to maintain an inventory of all U.S. marine mammals in zoos and aquariums. With the release of the movie "Blackfish," there is greater public interest in marine mammals in human care. The goal of this project is to analyze historical records documenting the original captures from the wild and imports that began the public display industry in America.

The Fellow would:

- a) Review, scan, and analyze permit records dating from 1972 - the 1990's (data of interest includes the species and stock, numbers of animals collected from the wild or imported, geographic location, capture methods used, and outcomes (e.g., deaths).
- b) Work with permit staff to develop a NOAA Tech Memo or publication to summarize this information.
- c) Update historical information in the online marine mammal inventory system.
- d) Perform other duties based on interest, such as compiling and responding to comments received during public comment periods for policies related to public display; assisting with the placement of non-releasable rehabilitated marine mammals; and conducting marine mammal inventory data entry and correspondence with zoos and aquariums.

The Fellow would be a part of a team of 8 biologists with diverse backgrounds, and would attend weekly staff meetings with an opportunity to learn about other species we permit including sawfish, sea turtles, and sturgeon.

#### **Expertise Desired**

Excellent organizational skills and written and oral communication; excellent writing and editing skills; ability to work well on a team and individually; background in scientific research or experience with marine mammals a plus

#### **Travel within DC (days per month)**

Travel to local meetings for public display (e.g., Alliance of Marine Mammal Parks and Aquariums)

#### **Travel outside DC (days per month)**

Possible travel to a NMFS science center to discuss standard research methods

#### **Accepts Foreign Nationals**

Maybe