

Job Title: Climate/Habitat Analyst

Location: Remote

Clearance Required: Public Trust Eligible

Description (describe the program at high-level)

IBSS is seeking a **Full Time Climate Ecosystem and Fisheries Initiative (CEFI) Analyst** to support NOAA's Northeast Fisheries Science Center (NEFSC). A large component of this position will involve collaborating with other scientists to design new living marine resource (LMR) habitat models and incorporate existing models that are based on both U.S. and Canadian survey data. The Analyst will work closely with the Working Group on the Northwest Atlantic Regional Sea (WGNARS) members to assess historical and predicted habitat change in both U.S. and Canadian waters.

This project will utilize new regional ocean model simulations based on NOAA's state-of-the-art Modular Ocean Model (MOM6, a numerical representation of ocean circulation dynamics that covers a large coastwide domain stretching from the North Atlantic Basin to the Gulf of Mexico). These new regional ocean model simulations are part of NOAA's CEFI that is across-NOAA line office effort to develop new regional ocean model hindcasts, forecasts, and long-term climate change projections.

Key Responsibilities:

- Lead and organize in-person workshops to reassess marine species habitat models
- Work with the a variety of stakeholders and end users to identify key marine species and ocean variables to include in the habitat analysis and consequently, climate risk policy
- Lead the analysis of historical and future habitat change, present results to stakeholders, publish results in peer-reviewed journals
- Work with NOAA Fisheries communication personnel to update existing marine species habitat webpages that host the results

Required Skills /Education/ Certifications & Qualifications:

- Masters or PhD in statistics, marine science, fisheries, quantitative ecology, oceanography, or similar, or a Bachelor's degree and 4+ years of demonstrated experience
- Knowledge and/or experience with statistical software, such as R, python, SAS, MATLAB, etc
- Experience in using oceanographic, ecological, economic, or climate models, including linking such models together
- Experience and understanding of code versioning software (e.g., Git)
- Demonstrated experience developing graphical user interfaces for scientific purposes with data analysis and familiarity with the design, development, and management of relational databases for scientific information
- Demonstrated proficiency for the following skill sets:
 - Coordinating and leading diverse scientific project teams

- Communication both verbally and written (including visual presentations) with a diverse audience
- Working independently
- Adaptability to quickly changing priorities and strict timelines
- Attention to detail
- **Must be able to obtain a US Citizen NOAA Public Trust Security Clearance**