Ocean Fisheries Science Fellow

All times are in Pacific Standard Time.

Job ID
> 2016-3535

# of Openings
> 1

Job Locations
> US-NY-New York
> US-CA-San Francisco

Posted Date
> 11/22/2016

Group
> Oceans

More information about this job:

Overview:

The Natural Resources Defense Council (NRDC) is one of the nation's most effective environmental action organizations, combining the grassroots power of more than two million members and online activists with the courtroom clout and technical and policy expertise of nearly 500 lawyers, scientists and other professionals to fight for the planet and its people in the halls of Congress, communities across the country, and nations around the globe. NRDC was founded in 1970 and our staff helped write some of America's bedrock environmental laws, including the Clean Air Act, and many of the implementing regulations; our air pollution cases played a major role shaping current clean air policy throughout the country. Employing a simultaneously bold and deeply pragmatic approach, NRDC's environmental priorities are: curbing global warming and creating the clean energy future; reviving the world's oceans; defending endangered wildlife and wild places; protecting our health by preventing pollution; ensuring safe and sufficient water; and fostering sustainable communities. NRDC is headquartered in New York City, with offices in the Washington DC, Chicago, Bozeman, San Francisco, Santa Monica, and Beijing.

Position Summary:

NRDC is seeking a two-year, full-time Ocean Fisheries Science Fellow with extensive experience in statistics and population dynamics modeling to develop and apply a recently introduced software program designed to conduct Management Strategy Evaluation (MSE) for data-limited fisheries (DLMtool) (www.datalimitedtoolkit.org). While working closely with software developer Dr. Tom Carruthers from the University of British Columbia and policy experts from NRDC, the Fellow will

develop collaborations with key fisheries bodies that have expressed interest in learning and applying the DLMtool to fisheries around the world.

The Ocean Fisheries Science Fellow will be supported by NRDC's Science Center, whose mission is to expand NRDC's scientific capabilities and increase support for the role of science in public policy. In addition to the ocean fisheries work with NRDC's Oceans program and Dr. Carruthers, the Fellow will participate in NRDC Science Center activities with NRDC staff scientists and other Science Fellows representing a broad cross section of environmental science and policy. The fellowship presents an excellent opportunity to refine existing skills and build new ones, develop professionally, and publish work. The Fellow will be based in NRDC's San Francisco or New York office.

Responsibilities:

Key tasks will involve programming in R, customizing operating models for specified fisheries, running and analyzing MSEs, applying stock assessment methods and harvest control rules, and developing recommendations for data collection prioritization. The job requires the ability to present quantitative scientific results and their implications for fisheries management bodies in clear narrative terms, both written and oral. The ideal candidate will have superior quantitative programming skills, excellent writing capacity, the ability to communicate population dynamics and fisheries statistics to a lay audience, and the ability to work collaboratively with multidisciplinary teams. The ability to work independently is essential.

Qualifications:

The following qualifications are required:

- A Ph.D. in fisheries science including statistical analysis and fishery population dynamics modelling;

- Excellent written and spoken English; fluency in other languages would be a bonus;

- Proficient in quantitative analysis of marine ecological data and biostatistics;

- Ability to analyze and manage large datasets;

- Knowledgeable in computer programing and development of computer simulation models;

- Proficient in R coding;

- Organizational planning skills, including an ability to organize and coordinate workshops and seminars;

- Proposal writing skills;

- Positive work attitude and ability to work on an interdisciplinary research team, as well as independently.

Application Process:

Interested applicants should submit a **letter of interest** that addresses: (a) why the fellowship is desired; (b) how the candidate is qualified; (c) what project-related issues interest the candidate; and (d) how the candidate hopes the fellowship will affect her/his career goals. Applicants should also submit a **resume** and a **writing sample.**

To apply, please visit www.nrdc.org/jobs and upload your cover letter, resume and writing sample. Review of applications will begin on **December 12, 2016**, and the position will remain open until filled. No phone calls or faxes please. Please reference where you saw this posting. NRDC is an Equal Opportunity Employer.

If you are having technical difficulty while applying, please reach out to Customer Care by dialing **1-866-803-9663**.

For further information about NRDC, please visit www.nrdc.org