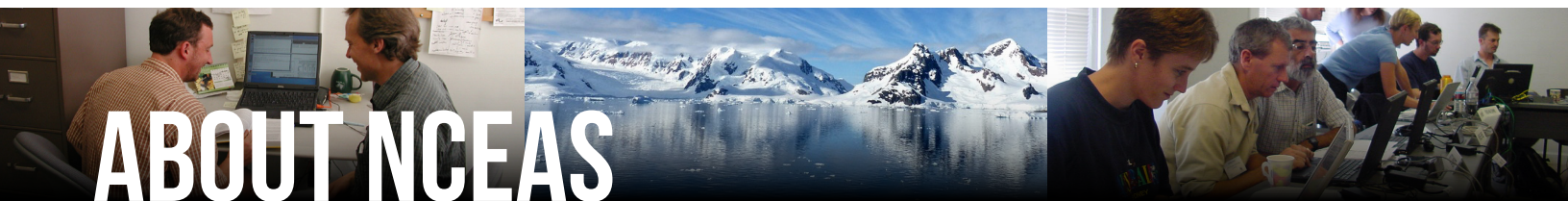# NCEAS DATA SCIENCE FELLOWSHIP

Join us at NCEAS to do state-of-the-art data science in beautiful Santa Barbara, California

NCEAS and the **Arctic Data Center** are seeking applications for the 2018 Data Science Fellows program. We offer two six-month sessions starting in January and July, respectively. Data Science Fellows will be resident at NCEAS for one or both of the sessions, and will work closely with data and informatics teams to solve data, analysis, and software issues relating to environmental science. Fellows will analyze, document, and archive important ecological, physical, chemical, and social science data from research projects focused on environmental issues in Alaska and the Arctic. This practicum-style program gives fellows the opportunity to gain practical knowledge and skills needed to manage national-scale data repositories.

ABOUT NCEAS

Established in 1995, the National Center for Ecological Analysis and Synthesis (NCEAS) is a research center of the University of California, Santa Barbara and was the first national synthesis center of its kind. NCEAS has helped create a large community of scientists from multiple disciplines, eager to collaborate to answer some of the toughest environmental questions facing society.

DATA FELLOWS WILL GAIN

- programming skills, including skills in new data management tools and languages
- exposure to the day-to-day activities of managing national-scale data repositories
- close collaboration with scientists from institutions contributing to the NSF Arctic Data Center, the State of Alaska's Salmon and People data catalog, and NCEAS data scientists who build and manage data catalogs and the DataONE global data federation
- data science research and development experience with the NCEAS informatics team
- a deep understanding of data management, analysis, and software for data systems
- experience working with a team passionate about environmental and data science

We encourage the development of new projects and collaborations within this fellowship – potentially with the opportunity to be a contributor on a peer reviewed paper or to develop new web or software tools.

FELLOWSHIP ACTIVITIES

Collaborative data management | Data quality analysis | Metadata creation
Data transformation and integration | Scientific programming
Instructional resource development

Training will be customized to the needs of each fellow. We encourage applicants from any discipline to apply. This fellowship is likely of particular interest to those involved in earth and environmental sciences, library and information sciences, research data management, statistics, or computer science.

REQUIRED QUALIFICATIONS

Experience in data management and/or analysis | Familiarity with metadata | Experience with a scientific computing language

DESIRED QUALIFICATIONS

Interest in ecological or environmental science | Experience building structured metadata | Proficiency in a scientific computing language (R, MATLAB, Python) | Experience or comfort with training others | Doctoral or master's degree

TO APPLY

Please send the following to jgoldstein@nceas.ucsb.edu by September 1, 2017 for the January session, and by March 1, 2018 for the July session:

- a 1 to 2 page statement explaining: your interest in being a fellow, your experience and qualifications, and your specific topics of interest in data science
- a resume or CV outlining your experience
- Name, email, and phone contact information for 2 non-peer references

This is a full time fellowship with a stipend for living expenses and travel to Santa Barbara.