



Woodwell Climate Research Center

Postdoctoral Researcher Opportunity

Job #JSPD21

Falmouth, Massachusetts/remote through the COVID-19 pandemic

SUMMARY: Woodwell Climate Research Center (Woodwell) seeks a postdoctoral researcher to join a multidisciplinary team developing tools to better track and understand changes in rangeland carbon dynamics. The project will combine new field monitoring, existing data streams, remote sensing and process-based numerical modeling to build an open public-facing system for tracking changes in vegetative productivity and soil carbon storage across space and time. We envision this Rangeland Carbon Tracking and Management tool having academic, educational and carbon market applications.

Responsibilities:

- Lead development of the Rangeland Carbon Tracking and Management tool
- Efficiently process and downscale spatial and remote sensing data products from multiple platforms
- Develop a field sampling optimization strategy to support high resolution mapping of soil properties using predictive soil mapping principles
- Assist with field campaigns in Colorado
- Adapt and refine code for carbon cycle model
- Develop a web application for the public to access the model
- Lead the development of manuscripts describing model development and application

Qualifications and Experience:

- Ph.D. (granted or expected soon) in earth system science, climate science, soil science, data science, or related discipline
- Demonstrated knowledge of carbon cycling in terrestrial ecosystems
- Experience implementing carbon cycle models
- Strong data science skills including proficiency in spatial data analysis
- Experience with cloud-computing and Google Earth Engine
- Superior oral and written communication and networking skills
- Ability to work as a member of a highly collaborative team in a fast-paced environment

Application Deadline: March 5, 2021, or until filled

Desired Start Date: April 6, 2021

Classification and Compensation: This is a full-time, salaried, exempt position. The salary range is \$60,000 to \$65,000. This is a 2-year fixed-term appointment with the potential to extend. Woodwell offers a very generous benefits package.

Location: Falmouth, Massachusetts preferred, remote possible through the COVID-19 Pandemic.

Classification and Compensation: This is a full-time, salaried, at-will, fixed-term, exempt position. The salary range is \$60,000 to \$65,000. This is a 2-year appointment with the potential to extend. Woodwell offers a very generous benefits package.

Application Instructions: To apply, please send your cover letter addressing your experience and qualifications in relation to the responsibilities of this position, curriculum vitae, and contact information for

three references as **a single PDF** to careers@woodwellclimate.org. Incomplete applications will not be reviewed. Please type **JSPD21** in the subject line.

Located on a 10-acre campus near the village of Woods Hole, Woodwell Climate Research Center (Woodwell) is a private, non-profit research center. Woodwell is a leading source of climate science that drives the urgent action needed to solve climate change. Woodwell has 60+ staff members, and attracts some of today's top experts on global climate change science.

Woodwell Climate Research Center is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, mental, or physical disability, age, sexual orientation, gender identity, national origin, familial status, veteran status, or genetic information. Woodwell is committed to providing access, equal opportunity, and reasonable accommodation for all individuals in employment practices, services, programs, and activities.