

Climate Modeling & Policy Director - The Fletcher School Tufts University

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Posted Apr. 13, 2022, set to expire Aug. 26, 2022

Job Title	Climate Modeling & Policy Director - The Fletcher School
Department	The Fletcher School
Institution	Tufts University Medford, Massachusetts
Date Posted	Apr. 13, 2022
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Research Scientist/Associate Director/Manager
Academic Field(s)	Research Methods/Data Analysis Environmental Policy
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Job Description

Overview

The Climate Policy Lab (CPL) at The Fletcher School is working to develop modeling and forecasting capacity for emerging economies to plan their net-zero, climate-resilient pathways by mid-century or beyond. This ambitious project aims to identify policy pathways for deep decarbonization in several countries including China, India, Mexico, Brazil, Indonesia, South Africa, Vietnam, and Ethiopia. CPL, in partnership with Energy Innovation LLC, is helping develop open-source complex systems dynamics



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decarbonization models for these emerging economies.

What You'll Do

The Climate Modeling & Policy Director is responsible for building decarbonization modeling capacity for emerging economies. Manages diverse sets of associated local and foreign research partners and works with external partners and governments. Designs systems dynamics decarbonization and resilience models for multiple countries by working in tandem with modeling experts at our partner organization, Energy Innovation LLC. Supports the development of new models that will underpin CPL climate policy research and analysis. Works with in-country partners to source input data for the models and develops potential policy scenarios for deep decarbonization in the respective countries. Manages an evolving modeling team including research assistants and supports pre- and post-doctoral researchers in CPL. May teach master's level courses and advise master's level students thesis development, in a non-tenure track academic research professor appointment with The Fletcher School.

What We're Looking For

Basic Requirements:

Knowledge and skills as typically acquired through completion of Bachelor's degree in Degree in climate systems dynamics modeling or related field

10+ years of experience in energy and climate modeling, policy analysis

Proficient understanding of how energy and climate impact different sectors of an economy

Strong understanding of the fundamentals of scientific and technical subject matter relating to environmental systems, energy technologies, and policy design

Experience managing projects that involve external partners and organizations

Experience working with complex data sets and mathematical models

Interest in, and knowledge of, climate science and policy

Excellent oral and written skills.

Preferred Qualifications:

Knowledge of Python, R, and other software programs

PhD degree preferred

An employee in this position must complete all appropriate background checks at the time of hire, promotion, or transfer.

Equal Opportunity Employer - minority/females/veterans/disability/sexual orientation/gender identity.



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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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