

Marine Ecosystem Tipping Points Researchers at Princeton University

Applications can be sent to

https://jobs.princeton.edu/applicants/jsp/shared/search/Search_css.jsp,

Requisition # 1400144.

Please contact John Dunne (John.Dunne@noaa.gov) or Charlie Stock (Charles.Stock@noaa.gov) for more information.

Job Title: Postdoctoral Research Associate

Department Atmospheric & Oceanic Sciences - 343

Position Summary: Model Marine Ecosystem Tipping Points Researchers at Princeton University

The Atmospheric and Oceanic Sciences Program at Princeton University in cooperation with NOAA's Geophysical Fluid Dynamics Laboratory (GFDL) seeks several postdoctoral research associates and/or more senior scientists to develop and apply Earth System Models (ESMs) and other tools necessary for understanding where, when, and how marine ecosystems may reach critical "tipping points" or abrupt major changes in structure, function, and services. Topics of particular emphasis include: application of GFDL's current Earth System Models to assess potential marine ecosystem tipping points under climate change, ocean acidification and other human influence, development of benthic and estuarine biogeochemistry and ecosystem components GFDL's next generation Earth System Model, exploration of coastal representation, and ecological data assimilation. Personnel will join an active group at Princeton and GFDL studying the connections between biogeochemistry, ecosystems and climate (<http://gfdl.noaa.gov/climate-and-ecosystems>).

These are two-year positions (subject to renewal after the first year) based at GFDL in Princeton, New Jersey. Complete applications, including a CV, publication list, 3 references in order to solicit letters of recommendation, and a one-to-two page statement of research interests should be submitted by May 31, 2014 for full consideration, though evaluation will be ongoing. This position is subject to the University's background check policy.

Essential Qualifications: PhD is required. Candidates with quantitative, interdisciplinary knowledge from subsets of fields including climate dynamics, ocean and coastal biogeochemistry, marine ecosystem dynamics, and fisheries science and management are particularly encouraged to apply. Experience analyzing large data sets and/or model output is also critical, as is model development experience for those positions.

We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law.