Postdoctoral Associate: Sea-Level Projections
for more information and to apply: https://jobs.rutgers.edu/postings/154666

The Rutgers University Department of Earth & Planetary Sciences invites applications for a postdoctoral associate with interests in sea-level rise projections. The candidate will join the Rutgers University Earth System Science & Policy Lab (earthscipol.net), under the direction of Professor Robert Kopp, and its collaborators in the Megalopolitan Coastal Transformation Hub (MACH). MACH, a transdisciplinary research network analyzing coastal climate risk management strategies, will provide unique opportunities for research, education, outreach, decision support, and professional development.

Research in the Earth System Science & Policy Lab addresses four interrelated questions: First, how has sea level changed in the past? Second, how may sea level change in the future in response to climate forcing? Third, how do climate and sea-level change impact the economy and human well-being? Finally, how can climate and sea-level science more effectively support climate risk management under deep uncertainty? The Lab's sea-level projections are highly used; the Framework for Assessment of Changes To Sea-level (FACTS), an open-source sea-level projection framework developed by the lab, supported the integration of projections for the Intergovernmental Panel on Climate Change's Sixth Assessment Report.

The postdoctoral associate will work with collaborators in the NASA Sea Level Change Team and at NASA Goddard Institute of Space Studies to produce sea-level hindcasts and projections that integrate observational constraints and insights into feedbacks between ice-sheet, ocean, and atmospheric changes. We are seeking candidates with a strong climate or sea-level science background who desire to expand their experience in a transdisciplinary research environment.

The candidate requires:

- PhD in climate science, atmospheric science, oceanography, or a related field at time of appointment;
- Strong grasp of statistics;
- Strong coding skills; and
- Familiarity with CMIP-class global climate models.

The position will be based at Rutgers-New Brunswick. The position is a grant-funded annual position, with renewal for a second year expected subject to performance.

Review of applications will begin on March 4, 2022.