

University of California at Santa Barbara

Postdoctoral Researcher

Integrating Natural Defenses into Coastal Disaster Risk Reduction

SNAP: Science for Nature and People is a new collaborative venture of The Nature Conservancy (TNC), the Wildlife Conservation Society (WCS), and the National Center for Ecological Analysis and Synthesis (NCEAS) to create a fundamentally different way to identify and tackle large-scale ecological challenges that threaten the integrity of nature and human well-being. These efforts will be undertaken through interdisciplinary, collaborative Working Groups that will be hosted at NCEAS. A SNAP Working Group led by TNC and WCS will focus on the integration of natural defenses into coastal disaster risk reduction.

We seek a researcher who will be based at NCEAS in Santa Barbara, CA and will be centrally involved in: 1) a rigorous assessment of the effectiveness of natural defenses compared to other approaches in coastal areas globally; 2) the identification of best practices in coastal engineering that will generate guidance to inform Green Infrastructure initiatives; and, 3) participation in the SNAP Working Group. This full time position offers competitive salary and benefits commensurate with experience. The initial appointment is for 1 year with the possibility of an additional year.

Required Qualifications:

- PhD in coastal geology, coastal engineering, or related field
- Strong analytical skills
- Ability to review and synthesize large amounts of literature and complex information
- Strong communication and interpersonal skills
- Outstanding organizational skills
- Ability to take initiative and work independently and as part of a team
- Knowledge in policy, economics, and/or other social science relevant to the coastal zone

Desired Qualifications

- Knowledge of coastal hazards and disaster risk reduction strategies
- Numerical hydrodynamic and morphologic modeling (wave run-up, flood and storm-surge inundation, coastal erosion and sediment dynamics)
- Extreme sea level and wave analysis
- Ability to create metrics that simplify complex information across different disciplines
- Experience developing and/or familiarity with using complex databases

TERM OF APPOINTMENT: One year with the possibility of a second year.

SALARY RANGE: \$47,000/year - \$57,000/year, commensurate with qualifications and experience.

POSITION AVAILABLE: Start date September 2013.

TO APPLY: Electronic submissions are preferred. Applicants should send: 1) Curriculum Vitae, 2) a one-page statement of research interests, and 3) contact information for three references to snap_coastal@nceas.ucsb.edu. You will receive an email that your electronic submission has been received; please inquire if you do not receive verification. Please always refer to the position "SNAP Coastal PD."

Alternatively, mail submissions may be sent to:

National Center for Ecological Analysis and Synthesis, Attn: SNAP,
735 State St., Suite 300
Santa Barbara, CA 93101

*All letters will be treated as confidential per University of California policy and California state law (<http://apo.ucsc.edu/confstm.htm>).

CLOSING DATE: August 15, 2013. Position is open until filled.

The department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching and service. An Equal Opportunity/ Affirmative Action Employer