



Position Announcement Research Associate, Spatial Ecology and Analysis

Position Summary:

The Research Associate (RA) will be responsible for actively engaging in the development and implementation of the Center for Ocean Solutions (Center) work on creating innovative conceptual approaches and analyses in support of projects in ocean planning, management of mobile organisms, and other management issues requiring a spatial analytical approach. We seek a creative individual with expertise in a relevant ecological or oceanographic discipline (e.g., marine ecology, biophysical oceanography, spatial analysis and modeling) and the ability to effectively work in interdisciplinary teams on cross-cutting issues. The work of the RA will require proficiency in GIS, R, MATLAB, experience in ocean/coastal science/policy issues, experience in 3D modeling, data visualization, programming, data management/protocol, coding, metadata, ability to manage servers and data sets. Consistent with the mission of the Center, we seek a person with experience and/or interest in both advancing scientific frontiers and addressing real-world challenges of sustainability in coastal and ocean environments. This work will overlap with and augment ongoing projects in our Ecosystem Health, Climate Change and Land-Sea focal areas, as well as integrate with our Leadership Development and Education work; therefore, careful coordination with the Center's teams working within those areas will be crucial to success in this position. The RA also must be able to proficiently and effectively guide and manage interdisciplinary teams comprised of staff with diverse backgrounds and varied skill sets. The RA will build upon the work of the Center's current projects, connect the expertise of the Center's partners, and help develop new projects and funding pathways with guidance from the Center's Directors and in collaboration with investigators from the Center's collaborating institutions. For example, the RA may work closely with Center colleagues and collaborators to identify ocean issues that are constrained by current analytical approaches, including producing map products, conducting scenario analyses, and developing models that integrate electronic tagging data with remote sensing data to provide quantitative estimates of dynamic habitat features use by managed species.

The RA will be a vital link between and among the Center's researchers and collaborators and decision makers from the public, private and NGO sectors, with the express charge to ensure that research and project development are designed and carried out to meet actual decision maker needs. The RA will be responsible for working with Center colleagues and collaborators to strategically shape projects and related research agendas, and create and implement a funding strategy to support the work of the Center. The RA will work with COS staff, project faculty, researchers and collaborators to compile competitive, interdisciplinary grant proposals as well as develop communications and education and training strategies to produce tangible change to the coast and ocean. The RA will also be responsible for helping to mentor

the Center's Early Career Fellows (recent PhD, MBA or JD recipients), research analysts (MS recipients) and interns working on the Center's projects.

Qualifications:

The successful candidate will have a PhD in a related field and at least four to six years' experience in advanced technical work, including demonstrated ability to analyze systems and solve complex technical problems using spatial analytic methods and experience in environmental data analysis/interpretation using statistical methods and/or modeling. Preference will be given to those with some proficiency in marine science methods and technologies as well as demonstrated grant writing experience. Candidates must possess strong teamwork skills and ability to work effectively with staff at many levels as a colleague or supervisor, as well as work successfully with a variety of faculty and researchers in connecting across ecological and social science disciplines, developing project ideas, and embedding science and technology in management and policy. Candidates must have demonstrated project management experience as well as outstanding written and verbal communications skills, strong networking and relationship-building skills, budget development and management skills, and experience in securing funding. The successful candidate will be a self-starter, with the ability to work independently and as a member of a team. Future opportunity for advancement to Senior Research Associate is possible with exceptional performance and availability of funding.

About the Center for Ocean Solutions:

The Center for Ocean Solutions works to solve the major problems facing the ocean and prepares leaders to take on these challenges. A collaboration among Stanford University's Woods Institute for the Environment and Hopkins Marine Station, the Monterey Bay Aquarium and the Monterey Bay Aquarium Research Institute (MBARI), the Center focuses on coastal and ocean ecosystems in the natural, physical and social sciences. We draw on a pool of more than 80 scholars across the three institutions and collaborate with other academic, governmental and non-governmental organizations to tackle interdisciplinary and multi-sectoral problems, bringing leading experts in marine science and policy together with decision makers.

The Center is an equal opportunity employer. We make employment decisions without regard to political affiliation, race, religious creed, color, age, sex, gender identity, genetic information, sexual orientation, national origin, ancestry, religion, marital status, medical condition, political or religious opinions, physical or mental disability, military service, pregnancy, childbirth and related medical conditions, or any other non-job related factor.

The Center is committed to including a diversity of people and organizations in our work to develop robust solutions to ocean challenges. We aim to make our projects inclusive, to engage diverse perspectives and to equitably represent those whom our solutions affect. We strive to nurture diversity in the workplace because we understand that diversity is critical for achieving our organization's mission and vision. Stanford is an equal opportunity employer and all qualified applicants will receive consideration without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, veteran status, or any other characteristic protected by law.

To be considered, interested candidates will provide a cover letter and resume to Stanford Careers website, job identification number 66649, at <http://stanfordcareers.stanford.edu/>.