

Coastal Wetland Carbon Data Technician

Application Period: February 16 - Position is Filled

Pay: \$37,113-\$45,972 depending on experience

Contract Period: 1 year subject to renewal depending on performance and funding

This position requires a BS in ecology, environmental science, geography, computer science or a related discipline, and some coding experience in programs such as R or Python. The ideal candidate would have experience using GitHub to facilitate collaboration, proven experience with managing large or complex datasets, and familiarity with carbon cycle science, climate change, and coastal wetland research issues. Exemplary candidates will have an MS degree, HTML and Web Design skills, experience with R-Shiny design, experience with producing field and lab data, and GIS proficiency.

Tidal marshes, mangrove swamps, and seagrass meadows are unique ecosystems found on coastlines worldwide. These wetlands support specialized plant, microbe and animal species that collectively form some of the Earth's most productive ecosystems. Coastal wetlands are also under severe pressure from human activity which threatens to diminish the many benefits they provide. Among these is the fact that they remove large amounts of the greenhouse gas carbon dioxide from the atmosphere and bury it in soils for centuries to millennia.

The candidate will join the [Coastal Carbon Research Coordination Network](#) based at the Smithsonian Environmental Research Center (SERC). The goal of the Network is to accelerate the pace of discovery in coastal carbon science by serving a community of researchers and practitioners with data, tools and synthesis opportunities. The technician will work with Ecologist James Holmquist and Research Scientist Pat Megonigal to support the major data analysis and sharing goals of this project. This will include handling data submissions from outside researchers, completing literature reviews, building databases, web interfaces, and online tools, providing technical support during collaborative science meetings, and contributing to the overall scientific quality of the operation. Please send a brief cover letter outlining how you meet the required qualifications, a resume, and the names of three references to CoastalCarbon@si.edu.

SERC is focused on understanding the causes and consequences of environmental change for marine, freshwater, and terrestrial ecosystems. The main campus is a 2,650-acre research site on the shores of the Chesapeake Bay in Edgewater Maryland. Facilities include the Global Change Research Wetland, the site of the known longest running ecological manipulation experiment. Nearby cities include historic Annapolis, Maryland's capital, and D.C. The technician will be hired as a 'Trust Employee' through Smithsonian's non-profit wing. This will entitle them to health, vision, dental benefits.