Postdoctoral Research Associate – Coastal Carbon
William & Mary's Virginia Institute of Marine Science/School of Marine Science (VIMS/SMS) invites applications for a postdoctoral research associate in coastal carbon cycling. The position has a flexible start date and will begin in Spring or Fall 2022.

Responsibilities: The postdoctoral research associate will work with Dr. Matthew Kirwan, and join highly-collaborative, interdisciplinary research projects that investigate the effects of climate change on coastal ecosystems and their carbon pools. The person in this position will be based at VIMS, and collaborate with the Smithsonian Environmental Research Center and Oak Ridge National Laboratory on a large-scale, whole-ecosystem marsh warming experiment (https://serc.si.edu/gcrew/warming). The primary objective of the position is to develop and/or apply numerical models of coastal carbon cycling. However, the successful applicant will also develop independent research topics consistent with the goals of the applicant and the VIMS coastal wetlands group, including opportunities for data collection, meta- analysis, and mentoring of students.

Qualifications: At the time of appointment, the successful candidate will hold an earned doctorate (Ph.D.) or equivalent in an environmental (e.g. geology, biology, environmental science) or computational (e.g. physics, engineering) discipline. A broad knowledge of how ecosystems respond to global change, including biological, hydrological, and/or geomorphic processes is required. Strong quantitative skills and a proven research background with strong writing ability are also required. Preference will be given to those candidates with experience in numerical modeling, and other quantitative methods associated with how coastal ecosystems and their carbon pools respond to climate change. For a complete list of required and preferred qualifications, please refer to the position description. The position will be located at VIMS and will be a one-year contract with the possibility of renewal (project has at least 2 years of funding).

About the Virginia Institute of Marine Science: Chartered in 1940, the Virginia Institute of Marine Science is currently among the largest marine research and education centers in the United States. VIMS has a three-part mission to conduct interdisciplinary research in coastal ocean and estuarine science, educate students and citizens, and provide advisory service to policy makers, industry, and the public. The School of Marine Science at VIMS is the graduate school in marine science for William & Mary. VIMS currently employs 52 full-time faculty members and 256 staff, and has 80 graduate students in master's and doctoral programs. There are four academic departments at VIMS: Aquatic Health Sciences, Biological Sciences, Fisheries Science, and Physical Sciences.

Application materials for the position should include: 1) a one-page statement describing research ideas related to coastal carbon cycling; 2) a one-page cover letter identifying availability for the position and addressing all required and preferred qualifications; 3) a full curriculum vitae; and 4) the names, addresses (including titles and institutions), e-mail addresses and telephone numbers of 3 professional references. Application materials should be addressed to: Search Committee Chair, Coastal Carbon Cycling, and will be accepted through our on-line application system https://jobs.wm.edu/postings/44539. For full consideration, application materials are due December 10, 2021. The position will remain open until filled. Applications received after Dec 10 will be considered if needed.

William & Mary values diversity and invites applications from underrepresented groups who will enrich the research, teaching and service missions of the university. William & Mary is an Equal Opportunity/Affirmative Action employer and encourages applications from women, minorities, protected veterans, and individuals with disabilities. William & Mary conducts background checks on applicants for employment.