



OLD DOMINION UNIVERSITY

Center for Coastal Physical Oceanography

Fall 2024 Virtual Seminar Series	
Title	"{BUILDING CAPACITY OF CLIMATE ADAPTATION IN RURAL COASTAL COMMUNITIES EASTERN SHORE OF VIRGINIA CLIMATE EQUITY PROJECT}"
Speaker	{KAREN MCGLATHERY, University of Virginia}
Date	{November 4, 2024}
Time	{3:30 PM}
Zoom Info	Link << https://odu.zoom.us/j/93558113894?pwd=ptUsey9KrOh2Ub4pJFcrYhamO9ha4O.1 Meeting ID: {935 5811 3894} Passcode: {791875}
Abstract	{Accelerated sea-level rise and increased coastal flooding caused by storm threatening groundwater sustainability, agricultural land use, and infrastructure. Rural coastal communities are particularly vulnerable to these threats and face unique challenges that are exacerbated by lack of access to scientific information, geographic isolation, and social isolation, and ineffective government and institutional capacity. This project integrates environmental and socio-economic data with hydrological and coastal flooding models to quantify climate risks. It engages traditionally underserved and vulnerable communities by working with community members to define needs, contribute lived experience, and co-produce an interactive, open-source platform called the Climate Equity Atlas that will provide data visualization tools to empower stakeholders to make effective, equitable climate adaptation decisions. By creating an integrated and sustainable network of researchers, policy makers, community members, and educators, and a toolkit for decision makers, this Climate Equity Project equips communities to build capacity and reduce inequities of climate risk and promote long-term climate adaptation strategies — rather than short-term responses — that support local economies and livelihoods.}
Biography	{Karen McGlathery is the Sherrell J. Aston Professor of Environmental Sciences at the University of Virginia (UVA), Director of UVA's Environmental Institute, and Lead of the NSF-funded Virginia Coast Reserve Long Term Ecological Research project and the Eastern Shore of Virginia Climate Equity project. Her research focuses on climate change impacts on coastal ecosystems and communities, and nature-based solutions for climate resilience. She collaborates with NGOs, universities, and regional stakeholders to produce coastal adaptation and resilience strategies. McGlathery's group is an international leader on coastal 'blue carbon' sequestration. She serves on the Virginia Governor's Technical Advisory Committee for Coastal Resilience.}