



Climate Resiliency Workgroup

March 21st, 2024

1:30 – 3:30 PM EST

Join by Webinar:

<https://umces.webex.com/umces/j.php?MTID=m01fbe5723e5821b8641e0722bde3a648>

Join by Phone:

+1-408-418-9388 and enter access code: 2631 642 5706

Meeting password: qYHAEZRw333

Event webpage:

<https://www.chesapeakebay.net/what/event/climate-resiliency-workgroup-meeting-march-2024>

This meeting will be recorded for internal use to assure the accuracy of meeting notes.

Agenda

1:30 PM **Welcome, Opening Remarks, and Announcements – Mark Bennett, Co-Chair (USGS), Jackie Specht, Co-Chair (MD DNR) and Julie Reichert-Nguyen, Coordinator (NOAA) [5 minutes]**

Focus of meeting:

- *Sharing partner efforts around building community resilience*
- *Providing feedback on resilience tools developed by the Chesapeake Bay Program GIS Team*

Workgroup Announcements:

- Registration for the Chesapeake Community Research Symposium is currently open. The theme of the symposium is *Managing Water Quality for Living Resources in a Changing Climate*. For more information about the sessions and presentations and to register, click [here](#).
- EPA recently released a Request for Applications for their Coastal Ecosystems Climate Resilience program. This opportunity aims to promote scientific progress towards the understanding of coastal ecosystem resilience by seeking applications proposing research to 1) characterize, quantify, and define indicators or metrics of resilience for various types of coastal ecosystems, especially those ecosystems that

have climate mitigation and adaptation and/or blue (ocean-stored) carbon sequestration potential; and 2) develop methods and approaches to advance economic valuation of resilience benefits provided by coastal ecosystems. Applications will be due on **May 1, 2024**. An informational webinar will be held on April 1, 2024. Register for the webinar [here](#), and for more information about the RFA, click [here](#).

- 1:35 PM** **GIT-Funded Project Update: Understanding and Addressing the Impacts of Wetland Mowing to Facilitate Meeting the Chesapeake Bay Wetland Enhancement Goals (Pam Mason, VIMS) [20 Minutes]**
Pam Mason will provide an overview of the current GIT-Funded Project, focused on understanding impacts of wetland mowing on meeting the Chesapeake Bay' wetland enhancement goals. This effort includes gathering data to inform an understanding of the potential impact and extent of tidal wetland mowing across the entire Chesapeake Bay watershed. This project is one phase of a larger effort that will inform a long-term, multi-phase effort to reduce tidal wetland mowing and make progress towards the CBP's wetland enhancement goals and outcome
- 1:55 PM** **GIT-Funded Marsh Adaptation Mapper Product Development (John Wolf, USGS and Julie Reichert-Nguyen, NOAA) [25 minutes]**
John will present on the pre-set mapping visuals he created for the GIT-Funded Marsh Adaptation Project workshop. These interactive visuals depict specific scenarios overlaying the datasets included in the mapping tool to aid in informed decision making. The project team for this effort is hoping to solicit feedback from the workgroup on what would be useful to incorporate for the visuals to increase utility.
- 2:20 PM** **Development of 3D Visualizations for Flooding (John Wolf, USGS) [20 minutes]**
John will present on the 3D visualizations he and his team created as communications products to better communicate climate change issues. These visualizations specifically depict flooding scenarios in Crisfield, MD, created by George Mason University as a part of a collaborative effort to conduct a Flood Adaptation Assessment for Enhanced Community Resilience. John is interested in soliciting feedback from the workgroup on how to improve the applications and identify folks who might be interested in being test users.
- 2:40 PM** ***Proactive Resilience Planning: Developing Protocols for a Community-Led, Iterative Approach to Adaptation Planning Using "Lessons Learned" from Other Communities and Projects (Elizabeth Andrews, UVA) [20 Minutes]***
Elizabeth will present on her research examining international approaches to climate change adaptation, such as Cuba's "Tarea Vida" and the Netherlands' "Room for the River" program, as well as examples from communities in the U.S., in order to find proven, real-world pathways to great community resilience. The goal is to develop case studies for inclusion in a Best Practices

Guide for Virginia localities for engaging in community-led resilience planning, including recommended tools, protocols and funding sources.

3:00 PM NOAA National Centers for Coastal Ocean Science Community Vulnerability Assessments (Amy Freitag, NOAA) [20 Minutes]
Amy will present on NCCOS's current effort to develop [Community Vulnerability Assessment Portfolios](#) for disadvantaged communities. This portfolio seeks to identify and work with local partners in communities that are disproportionately impacted by climate change to assess community climate vulnerability.

3:25 PM Opportunities, Partner Announcements and Wrap-up [10 Minutes]

- Maryland Sea Grant is holding a webinar on **March 26th, 2024 from 1:00 PM – 2:00 PM** titled “Marsh Monitoring with Drones: *An Introduction.*” Unoccupied aircraft systems (UAS), such as drones and other remote sensing technologies, offer exciting opportunities to view and monitor ecosystems, including tidal wetlands. But site and software access, flight customization, and expenses can make it difficult for fledgling flight missions to get off the ground. This webinar will highlight regional drone marsh monitoring work across four sites and share our speakers' experiences of the benefits and practicalities of using drones in their research. Join us to learn about the challenges and opportunities that come with using drones in wetland research, ask questions of some experts, and to get to know who is doing what with drones on our Chesapeake Bay coasts! Register for the webinar [here](#)!

3:30 PM Adjourn

Next workgroup meeting will be a joint meeting with the Modeling and Urban Stormwater Workgroups being held on April 4th, 2024