



Climate Resiliency Workgroup Special Meeting
Community Resilience Working Meeting
June 17th, 2024
11:00 AM – 1:00 PM

Event webpage:

<https://www.chesapeakebay.net/what/event/climate-resiliency-workgroup-meeting-community-resilience-working-meeting-june-2024>

Join by Webinar:

<https://umces.webex.com/umces/j.php?MTID=ma0d3c1d4502f8a707c8ce9f02f3f25bb>

Join by Phone:

+1-408-418-9388 and enter access code: 2635 911 8650

Meeting Password: m2vF3eVsPd8

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

Agenda

11:00 AM Welcome & Introduction – Jamileh Soueidan (CRC/NOAA) [5 Minutes]

Goal of the Meeting:

To inform current community resilience efforts occurring within Virginia and Maryland, with discussions focused on informing development of best practices guide for engaging communities on climate resilience and understanding and identifying common themes around the utility of current tools and metrics to inform decision making and engagement with communities to discuss thresholds or tipping points for resilience actions.

11:05 AM Lightning Talks: Brief Project Overview & Objectives for Meeting [15 Minutes]

Proactive Planning for Resilience (Elizabeth Andrews, UVA) [5 Minutes]

My research project is entitled Proactive Planning for Resilience: Protocols for Community-Led Climate Adaptation in Virginia. My goal is to develop Protocols/Best Practices for: fostering resilience planning at the local level with full community engagement; using various tools and

approaches to identify vulnerable areas and minimize community risk; and enabling economic drivers and robust planning to support community relocation when it becomes necessary. The research will include case studies discussing resilience planning successes and lessons learned, including some international approaches such as Cuba's "Tarea Vida" and the Netherlands' "Room for the River" program.

Baltimore Community Climate Vulnerability Assessment (Amy Freitag, NCCOS) [5 Minutes]

The Baltimore Community Climate Vulnerability Assessment is a multi-disciplinary, spatial approach to measuring climate vulnerability at the regional scale. We intersect three types of vulnerability (social, structural, and ecosystem service) with two types of risk (combined flooding and urban heat) to determine areas of intersecting risk. The effort relies heavily on pulling together existing data. The team has developed indicators for each of the categories of risk and vulnerability and is now in the process of determining the best data source for each one. Expanding the risk layers to the counties surrounding Baltimore will require stitching together existing research efforts for a region-wide model, namely for stormwater and urban heat. Perspective on research in these areas is most helpful. In addition, we will eventually publish these layers as interactive maps, and we'd like feedback on how to color code these maps to depict thresholds of concern (i.e. when a seawall may be overtopped or a critical highway floods).

3D Mapping and Climate Resiliency (John Wolf, USGS) [5 Minutes]

Digital twins, including three-dimensional (3D) landscape visualizations, have shown to be an effective approach for communicating the impacts of climate change. They can be used to promote user engagement and facilitate what-if scenarios both visually (through landscape visualization) and quantitatively (through interactive dashboards) from multiple perspectives. As a result, digital twins are increasingly used in decision support and scenario planning applications. Example digital twins have been created for Crisfield and Ellicott City, Maryland. This effort will involve participating in user engagement activities for web-based interactive landscapes to evaluate their effectiveness for communication purposes.

Discussions

11:20 AM Steps for Engaging Communities in Climate Resilience Discussions [30 Minutes]

For this portion of the meeting, we will be conducting an activity focused on reviewing and providing insights for the "Community-Centric Adaptation Planning" seven-step process, which is the foundation for the "Proactive Planning for Resilience" best practices guide. Discussions will focus on what would be most helpful in a best practices guide, what is missing from the steps highlighted in the process, and what order the steps would provide the greatest decision-support for community resilience planning.

Discussion Questions:

- *Are these the steps the correct order for engagement?*
- *Do any of these steps resonate as "must-haves" and/or are there any steps that are not needed?*

11:50 AM Community Resilience Data and Metrics: Identifying Must-Haves and Gaps in Existing Decision-Support Tools [30 Minutes]

This portion of the meeting will focus on a discussion around common factors that local governments should consider when assessing their risks and vulnerabilities to climate change impacts. We will use the community resilience decision-support data, tools, and metrics identified from the pre-meeting questionnaire to inform this conversation. The outcome of the discussion will be an understanding of the decision-support tool considerations, gaps, and needs for localities to make informed climate resilience decisions.

Discussion Questions:

- *What factors do localities need to evaluate to undertake a comprehensive climate change risks, impacts and vulnerabilities assessment?*
- *Have you identified or encountered a gap in community resilience decision support tools that can support your work if filled?*

12:20 PM Engaging with Communities on the Topics of Tipping Points and Thresholds [30 Minutes]

This discussion will focus on how to engage communities on the topic of shifts in adaptation strategies. Discussion topics include indicators for when adaptation strategies should shift, how to approach communities and engage with them, and sharing pitfalls and success stories on engaging with communities.

Discussion Questions:

- *How can we approach community conversations about tipping points with sensitivity?*
- *Are there identifiable tipping points or thresholds at which different decisions should be made, like retreat?*

12:50 PM Closing Thoughts, Recap, Next Steps [10 Minutes]

1:00 PM Adjourn

Next workgroup meeting will be held on June 20th, 2024 and focus on hearing updates on recent workgroup efforts and presentations around community resilience and indicators from workgroup partners