

Workshop

to align Research and Management Priorities *to launch*

Collaborative Marsh Adaptation



Outcomes

Transfer

- Natural resource managers, land trusts, and researchers about marsh condition, vulnerability, and resilience to climate change.

Connect

- Monitoring, modeling, and other research to marsh management and adaptation at local and regional scales.

Identify

- Data gaps and research needs to inform on-the-ground adaptation and decision-making.

Align

- Organizational priorities and focus areas for large-scale shoreline and marsh restoration in Maryland and Virginia

Foster

- Short- and long-term action across jurisdictions and research partners.

Why is this work important?



- If we can manage marshes to be resilient to sea level rise, marshes will continue to provide valuable ecosystem services, including mitigation to climate change by sequestering carbon
- We have an opportunity to implement large-scale restoration strategies with cross-goal benefits. Yet, much restoration remains opportunistic and disconnected.
- Conversations needed to identify overlapping geographical and organizational priorities



Addressing CBP Outcomes

Climate Goal

- Increase the resiliency of the Chesapeake Bay watershed, including its living resources, habitats, public infrastructure and communities, to withstand the adverse impacts from changing environmental and climate conditions.

Vital Habitats Goal

- Restore, enhance and protect a network of land and water habitats to support fish and wildlife and to afford other public benefits, including water quality, recreational uses and scenic value across the watershed.

Stewardship Goal

- Increase the number and the diversity of local citizen stewards and local governments that actively support and carry out the conservation and restoration activities that achieve healthy local streams, rivers and a vibrant Chesapeake Bay.

Addressing work plan outcomes and science needs



- Action 1.3 Increase capacity to better understand sea level rise impacts to habitats and their ecosystem services.
- Action 2.2. Assist with capacity-building activities that support the implementation of priority climate adaptation projects.
- Project activities will build off the GIT-funded “Synthesis of Shoreline, Sea Level Rise and Marsh Migration Data for Wetland Restoration Targeting” and the 2019 Marsh Resilience Summit



Project components

Phase 1

- Perform stakeholder mapping to find overlaps in organizational and geographic priorities
- Learn existing challenges
- Identify new research or tools in the region

Phase 2

- Design 2-day workshop for Maryland and Virginia stakeholders
- Present the current and future conditions of the marshes within the geographic priority areas
- Collaborate and prioritize restoration and research

Phase 3

- Present results
- Link prioritized projects with list of potential funding opportunities
- Identify ongoing challenges to collaborations

What do you think?



- Does the proposed project align with your organizational goals? How would you refine it?
- Are you aware of any potential synergies from other programs, stakeholders or work groups?
- What deliverables would you like to see from a project like this?

