



Chesapeake Bay Program's (CBP)
Scientific and Technical Advisory Committee (STAC)
Quarterly Meeting – March 5-6, 2023
Virtual
[Meeting Webpage](#)

****Exact Times Are Subject to Change****

[Zoom Meeting Registration](#)

Tuesday, March 5th

- 9:30 am** **Call to Order, Announcements** — *Larry Sanford (STAC Chair – UMCES)*
- Introductions
 - Membership:
 - Official DC Mayoral Appointment of Efeturi Oghenekaro (DC DOEE) and Amirreza (Amir) Sharifi (DC DOEE) to STAC
 - Recap of STAC December 2023 Quarterly Meeting, CBP Updates
 - AC Letter to the PSC
 - Approval Requests:
 - December 2023 Quarterly Meeting Minutes
 - December Executive Board Call Minutes
 - January Executive Board Call Minutes
 - Upcoming STAC Workshop (1)
 - Member Announcements and Updates
- 10:00 am** **SRS 4th Cycle Check-In / STAC Input on Climate Science Needs** — *STAC Staff, STAR Staff*
STAC will provide feedback of integration into various cohorts and Outcome groups for the Strategy Review System (SRS) and Strategic Science and Research Framework (SSRF) process.
- As part of the response to the Executive Council Climate Directive ([see page 3, number 5 of the climate change directive workplan](#)), STAR reached out to each outcome to identify their #1 climate science need. The majority of outcomes responded to this request and shared their priority climate science. Before bringing these to the Management Board, STAR would like the support of STAC to review and discuss the priority climate science needs, particularly in helping word/contextualize the science needs so they may be of interest to management while also capturing what is needed from the research community. STAC may also help by identifying research that may support justification for these science needs.
- 10:50 am** **Leveraging Deep Learning and Data Science for the Conservation and Restoration Movement** — *Joel Dunn (Chesapeake Conservancy)*
The Chesapeake Conservancy has leveraged deep learning and data science to map wetland boundaries, future solar siting, species habitat ranges and their predicted changes with climate. This includes hyper-resolution hydrography, land cover change detection and other innovative techniques. Joel Dunn, President of the Chesapeake Conservancy, will discuss the data and tools employed by the Conservancy to better anticipate their impacts on water quality. This presentation will highlight how these tools can be used to identify and track factors contributing to pollution and nutrient loading, prioritize conservation and restoration activities, and actively monitor and predict land use and hydrography dynamics.
- 11:35 am** **Break**

- 11:50 am** **STAC Workshop Report Out**
FY22 Using Carbon to Achieve Chesapeake Bay (and Watershed) Water Quality Goals and Climate Resiliency: The Science, Gaps, Implementation Activities and Opportunities
– Jennifer Egan (UMCES)
View [workshop webpage here](#).
- 12:20 pm** **Lunch**
- 1:20 pm** **Received FY24 Workshop Proposals – STAC Staff**
Received workshop proposals for FY24 will be presented to STAC and discussed. STAC members identified in each proposal may be asked to provide further details as needed. Depending on the results of the discussion, additional scoring may be required.
- 2:50 pm** **Break**
- 3:05 pm** **STAC Workshop Report Out**
FY22 State of the Science and Practice of Stream Restoration in the Chesapeake: Lessons Learned to Inform Better Implementation, Assessment and Outcomes
– Greg Noe (USGS)
View [workshop webpage here](#).
- 3:35 pm** **STAC Workshop Report Out**
FY21 Advancing Monitoring Approaches to Enhance Tidal Chesapeake Bay Habitat Assessment – Peter Tango (USGS)
View [workshop webpage here](#).
- 4:05 pm** **Recess**

Wednesday, March 6th

Meeting Theme: [Beyond 2025 Committee Symposium](#) debrief and STAC’s role for the coming years. The committee will provide feedback on findings from the Symposium, listen to Beyond 2025 Small Group members on their recommendations, and present their perspective on the recommended path forward, including immediate, intermediate, and long-term needs.

- 9:30 am** **Beyond 2025 Committee Overview**
– Josh Kurtz (MD DNR), Anna Killius (Chesapeake Bay Commission)
The Beyond 2025 Steering Committee advises the development of recommendations to meet the Chesapeake Executive Council [charge](#) to the Principals’ Staff Committee (PSC) on [charting a course beyond 2025](#). Chair of the PSC Josh Kurtz (MD DNR Secretary) will talk about the PSC perspective of the Beyond 2025 effort and two co-chair of the Beyond 2025 SC, Anna Killius (Chesapeake Bay Commission) will introduce the scope and purpose of the group, its structure, work completed over the previous year, and a brief on the Beyond 2025 Committee Small Group Symposium on February 28th, 2024.
- 10:00 am** **Panel: Small Group Member Insights from Beyond 2025 Symposium**
STAC members who lead and participated in the Beyond 2025 small groups will present viewpoints from their small group discussions and at the overall meeting.
- 11:00 am** **Break**
- 11:15 am** **Breakout group discussions**

Participants will be split into the five breakout groups according to the topics of the Beyond 2025 Small Groups, led by a STAC member (or invitee) who was part of that group. Discussions will focus on the conversations, decisions, and recommendations from the Beyond 2025 Symposium relating to the specific topic, as well as initial thoughts on STAC's role following these decisions and recommendations.

12:15 pm

Full STAC discussion

Participants will reconvene in a large group and one member of each breakout will share highlights and key points from their discussion. Meeting attendees will discuss the takeaways and any questions or remaining comments on the Beyond 2025 effort.

12:45 pm

Wrap-Up

1:00 pm

Adjourn