

Supporting OA Action Planning and Implementation in the Mid-Atlantic

Mid Atlantic Coastal Acidification Network (MACAN) and OA Alliance
Virtual Workshop

Tuesday, October 26
1:00 PM - 4:30 PM EST
(3.5 hours in duration)

*The majority of the Mid-Atlantic coastal states are pursuing OA Action Planning either as stand-alone efforts or as part of broader coastal/ocean planning efforts. This workshop seeks to connect researchers, state agencies, and/or representatives from state legislatures from across the Mid-Atlantic region to help inform OA Action planning with an **emphasis on identifying associated data/ information needs for management and coordinating monitoring where appropriate.***

Objectives:

- Share OA Action Planning progress, lessons-learned and next steps regarding state OA Action Planning efforts.
- Deepen understanding about the science relevant for implementing OA Action Plans.
 - Where are the gaps?
 - Are there targeted research projects that would help fill those gaps?
- Identify opportunities for Mid-Atlantic states to coordinate on monitoring and/or data sharing at the regional (or water body) scale.
- Discuss pathways for setting up a regional OA observation network, beginning with a regional asset inventory.

Agenda:

1:00 p.m. **Welcome and agenda overview**

Avalon Bristow, MACAN Co-Coordinator and MARCO Program Director

1:05 p.m. **Opening Remarks**

Dwight Gledhill, NOAA Ocean Acidification Program

Part 1. Updates from Mid-Atlantic States' Ocean Acidification Action Planning Efforts

1:15 p.m. **Presentations: Updates from State OA Action Planning Efforts (40 minutes)**

Moderator: Jessie Turner, OA Alliance

- State of New Jersey
Megan Rutkowski, New Jersey Department of Environmental Protection
- State of New York
Dr. Henry Bokuniewicz, Principle Investigator for the NY Ocean Acidification Task Force
- State of Maryland
Rachel Lamb, Maryland Department of the Environment

Each presenter will provide an overview of OA Action Planning in their state (impetus, framework, status, recommendations), with a focus on the following questions:

1. Are there knowledge gaps that have been identified/ prioritized as most important to fill?
2. Are there targeted research projects that would be most useful for OA Action Plan implementation (species response/ water body inputs/ regional level)?

Part 2. Ocean & Coastal Acidification Monitoring Methods & Regional Data Sharing in the Mid-Atlantic

1:45 p.m. *Moderator: MACAN Co-Coordinator*

1:50 p.m. **Overview of Ocean and Coastal Acidification Monitoring**

What are the different ways of collecting data, and what is the utility of each?
Jeremy Testa, MACAN Science Work Group, Chesapeake Biological Laboratory, University of Maryland

2:05 p.m. **Regional Data Sharing and Mapping Tools in the Mid-Atlantic**

MARACOOS OceansMap,
Presenter: Mary Ford

MARCO Data Portal
Presenters: Karl Vilacoba and Nick Napoli

2:20 p.m. **Introduce and encourage participation in the Assets Inventory Survey**
Kari St. Laurent, Delaware Department of Natural Resources and Environmental Control

This section will answer questions like:
 Where does data live?
 How do MARACOOS and MARCO tools complement one another?

2:25 p.m. **10-minute Health Break**

Part 3. Case Study from the West Coast: Regional Monitoring Inventory

Moderator: Jessie Turner, OA Alliance

2:35 p.m. **Establishing a coast-wide OA monitoring inventory to support management decisions**

Presenter: Caren Braby, Oregon Department of Fish and Wildlife

2:50 p.m. **Lessons learned conducting OA monitoring gaps analysis with an emphasis on decision-maker relevant information and recommendations**

*Presenter: Justine Kimball or Kat Beheshti, California Ocean Protection Council, California OAH Task Force**

Part 4. Acidification Monitoring and Interface with Regional Data Hubs

3:05 p.m. **Facilitated Discussion with workshop attendees.**

Facilitator: Dr. Caren Braby

High level themes:

- Why even monitor for OA in the region? What information are we trying to collect? For whom? To do what?
- What type of detail is required for “management” of different resources across different scales?
- Are we trying to collect more data vs. knowledge vs. insight?

Sub themes:

- How can OA monitoring data best interact with existing regional data hubs to be most useful and accessible to decision-makers?
 - What is needed to get real-time OA monitoring data to MARACOOS OceansMap?
 - What kinds of mapping products would be useful to decision-makers (MARCO Data Portal)?
- What are the capacity and sensor needs for adding OA parameters to water quality monitoring efforts?
- How do we determine information gaps and what research is needed to fill them?
 - How best to integrate data across state boundaries?
 - What are some next steps for the MACAN Science Work Group to consider?

Part 5: Breakout Sessions

Participants will select from four discussion topics. There will be two, 25-minute breakout sessions with the same topics available for each.

3:35 p.m. **Breakout Session 1**

- ❖ Room 1: Action planning, information needs and synthesis products for decision makers *Facilitator: Jeanne Herb, Rutgers University*
- ❖ Room 2: Goal and application potential of regional vulnerability assessments for state priorities and resource management strategies *Facilitators: Erica Ombres and Courtney Cochran, NOAA OAP*

- ❖ Room 3: The importance of colocation of biological monitoring and research, and application for management strategies *Facilitator: Emily Rivest, VIMS*
- ❖ Room 4: Building a Mid-Atlantic Regional Monitoring Inventory *Facilitator: Kari St Laurent, DE DNREC*

After 25 minutes - Option to switch rooms

4:00 p.m. **Breakout Session 2**

- ❖ Room 1: Action planning, information needs and synthesis products for decision makers *Facilitator: Jeanne Herb, Rutgers University*
- ❖ Room 2: Goal and application potential of regional vulnerability assessments for state priorities and resource management strategies *Facilitators: Erica Ombres and Courtney Cochran, NOAA OAP*
- ❖ Room 3: The importance of colocation of biological monitoring and research, and application for management strategies *Facilitator: Emily Rivest, VIMS*
- ❖ Room 4: Building a Mid-Atlantic Regional Monitoring Inventory *Facilitator: Kari St Laurent, DE DNREC*

4:25 p.m. **Reconvene and Wrap-up**

4:30 p.m. **Adjourn**