Innovative Water Quality Monitoring Workshop
December 8, 2014

Location: Chesapeake Bay Program Offices
Joe Macknis Memorial Conference Room (Fish Shack)
Address: 410 Severn Avenue – Annapolis, MD 21403

Adobe Connect: https://epa.connectsolutions.com/star (enter as guest)
Phone Number: (866) 299-3188
Access Code: 267-5715

Workshop Details & Materials:

http://www.chesapeakebay.net/S=0/calendar/event/22262/

AGENDA

9:30 am Breakfast *(provided – special thanks to STAC)*

10:00 am Welcome and Introductions – *Everyone*

10:10 am Evolving water quality standards attainment in *EPA – Rich Batiuk (EPA-CBPO)*

Technologies Session

10:30 am Applications of AUVs in Chesapeake Bay for documenting water quality – *Andrew Muller (USNA)*

Leveraging Networks

11:00 am MARACOOS: Linking local and regional networks – *Gerhard Kuska (MARCOOS)*

11:20 am Citizen Science – Identifying local hypoxia issues with Citizen Science programming – *Diana Muller (South River Keeper)*

11:40 am Citizen Science – Cost, benefits, and coordination: The Wisconsin Experience – *Kris Stepenuck and Tim Asplund (Wisconsin DNR)*

12:00 pm Lunch *(provided – special thanks to STAC)*

Sample Design Consideration

1:00 pm Assessment Options Support: Lessons from model assessments of Bay monitoring data – *Carl Friedrichs and Marjy Friedrichs (VIMS)*

1:20 pm Hypothesis-driven monitoring to guide growth and sustainability of assessment approaches – *Peter Kleinman (USDA-ARS)*

1:40 pm Alternative definitions of water quality standard – *Peter Tango (CBPO/USGS)*

Working Session

2:00 pm The workshop participants will go through an interactive creative thinking session to answer the following questions:

1. How can more recent technologies (e.g. fixed continuous monitoring, AUV's, vertical water quality profilers) be better utilized to assess water quality standards attainment of the suite of Chesapeake Bay water quality criteria?

2. Are there monitoring network designs that have, for example, fewer stations that could be sampled more frequently and linked with "intelligent interpolation" to improve water quality standards attainment assessments?

3. What approaches could be used to foster greater monitoring efficiencies to improve the information acquired and improved certainty in estimates of attainment relative to the cost of the sampling effort?

2:45 pm Break *(provided – special thanks to STAC)*

3:30 pm Adjourn

3:40 pm Planning Committee Discussion

The workshop planning team will meet to discuss next steps, future workshops building on monitoring network needs and opportunities.