

# Chesapeake Bay Sentinel Site Cooperative

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CBSSC Coordinator

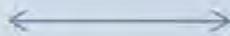
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# NOAA Sentinel Site Program



Science



Service



Stewardship

Observe &  
Monitor

Applied  
Research

Models &  
Predictions

Spatial  
Analysis &  
Visualization

Information  
Transfer

Management  
& Decision  
Making

Education &  
Outreach

**Components of a Sentinel Program**



Photo credit: MD Sea Grant; Tal Elzer ODU





# A Cooperative is...

...owned and run by its members

...all parties share in the benefits of collaboration



**Mutual  
benefits**

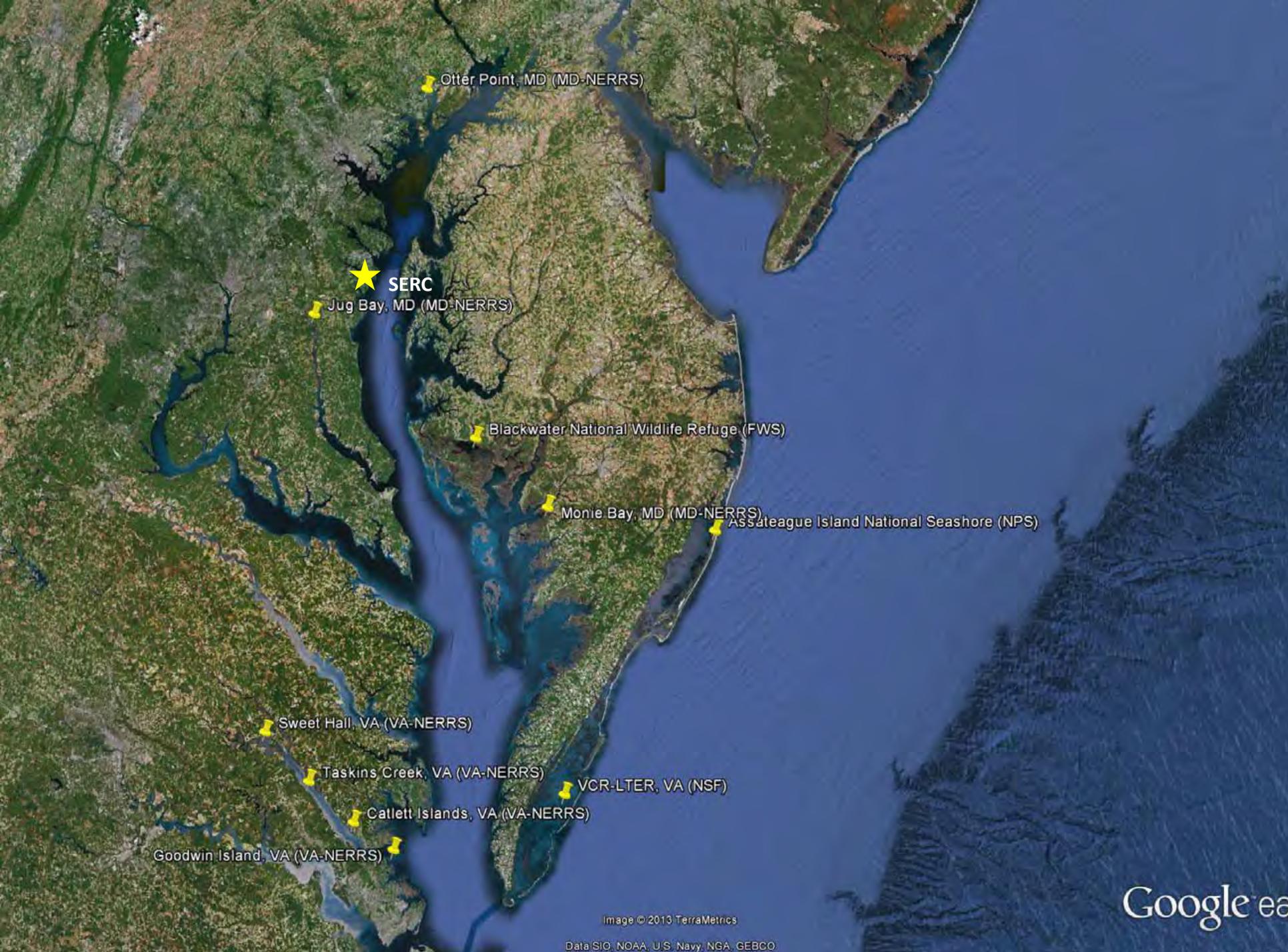
# THE CHALLENGE



Traditional Stove-pipe structure



Collaborative structure



SERC

Otter Point, MD (MD-NERRS)

Jug Bay, MD (MD-NERRS)

Blackwater National Wildlife Refuge (FWS)

Monie Bay, MD (MD-NERRS)

Assateague Island National Seashore (NPS)

Sweet Hall, VA (VA-NERRS)

Taskins Creek, VA (VA-NERRS)

VCR-LTER, VA (NSF)

Callett Islands, VA (VA-NERRS)

Goodwin Island, VA (VA-NERRS)



Smithsonian Environmental  
Research Center



# Current Monitoring Efforts

- Water levels
- Water quality data (real-time and discrete)
- Surface Elevation Tables (SETs)
- Vegetation transects
- Weather
- Currents
- Tidal datums
- Distribution, abundance of rare and endangered species, etc.

# Needs moving forward

- Better understanding, across the Cooperative on:
  - Marsh migration
  - Groundwater withdrawals and subsidence
  - Saltwater intrusion
  - Social vulnerabilities in low-lying communities
  - Expand the network and fill observing gaps

# Next Steps

- Revamp and refresh the steering committee
- Clarify the identity and value added of the CBSSC
- Revise the original Implementation Plan
- Inventory existing data sets, data streams, models, etc. and identify gaps and needs

# Thank you!

**Sarah Wilkins**

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