Chesapeake Bay Sentinel Site Cooperative

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NOAA Sentinel Site Program

San Francisco Bay
Chesapeake Bay
North Carolina
Northern Gulf of Mexico
Hawaiian Islands
Components of a Sentinel Program

Science  Service  Stewardship

Observe & Monitor  Applied Research  Models & Predictions  Spatial Analysis & Visualization  Information Transfer  Management & Decision Making  Education & Outreach
A Cooperative is...

...owned and run by its members

...all parties share in the benefits of collaboration

Photo Credit: www.marshlife.org
THE CHALLENGE

Traditional Stove-pipe structure

Collaborative structure
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!

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