

# **Update on STAC Activities**

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Management Board Meeting

## **STAC Activities**

1. Continued support of various CBP activities (proactive and reactive workshops, etc.)
2. Climate Change Science Synthesis
3. Achieving Water Quality Goals in the Chesapeake Bay: An Evaluation of System Response

## 2. Climate Change Science Synthesis

Synthesis of available data and/or previously published research to identify knowledge gaps, inform additional research, and/or place existing scientific information into a management-relevant context.

- Solicitation released March 2019. 10 proposals received (May 2019).
- Topics ranged from BMP performance to sea level rise impacts on water quality. Most addressed issues identified via STAC's Climate Change Modeling 2.0 workshop (Sep. 2018) and/or Climate Resiliency Workgroup.
- Two proposals funded: shallow water DO (Testa, UMCES) and BMP performance (Easton et al, Virginia Tech). Timeframe: Oct 2019 – Dec 2020.

### **3. “Achieving Water Quality Goals in the Chesapeake Bay: An Evaluation of System Response”**

A synthesis of existing scientific and technical literature to identify and assess key emerging science issues impacting attainment of existing water quality standards.

#### **Objectives:**

- Identify knowledge needed to reduce decision-relevant uncertainties about the effect of management actions on meeting water quality criteria and living resource designed uses
- Identify recent developments in scientific literature of system response that increase or reduce uncertainty about attainment of existing water quality standards;
- Recommend research strategies moving forward for improving understanding of system response and responding to uncertainty to support management decision-making

### 3. “...Assessment of System Response”

Envision as 2 to 3 year effort.

Synthesize existing literature/build on past STAC efforts

Supportive of Chesapeake Bay Program science identification and prioritization efforts (e.g. Strategic Science and Research Framework)