



# Approach to Prioritize Chesapeake Bay Program Science Needs

Presentation to STAC by Kristin Saunders and Emily Trentacoste

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# Request from Management Board

- Consolidate and analyze sciences needs to recommend prioritization for those requiring resources.
- The request came up during the August 2018 with the MB wanting to better understand all the science needs, so they can help prioritize resources.
- The action from the August MB meeting was: “The SRS small group will compile into a list the SRS data and science needs requests. This list will be shared with STAR and STAC leadership and the CBP associate directors for input. The Management Board will review the 2017-18 SRS requests to prioritize science and data needs. The Management Board will present their prioritization during the 2019 SRS Biennial meeting”

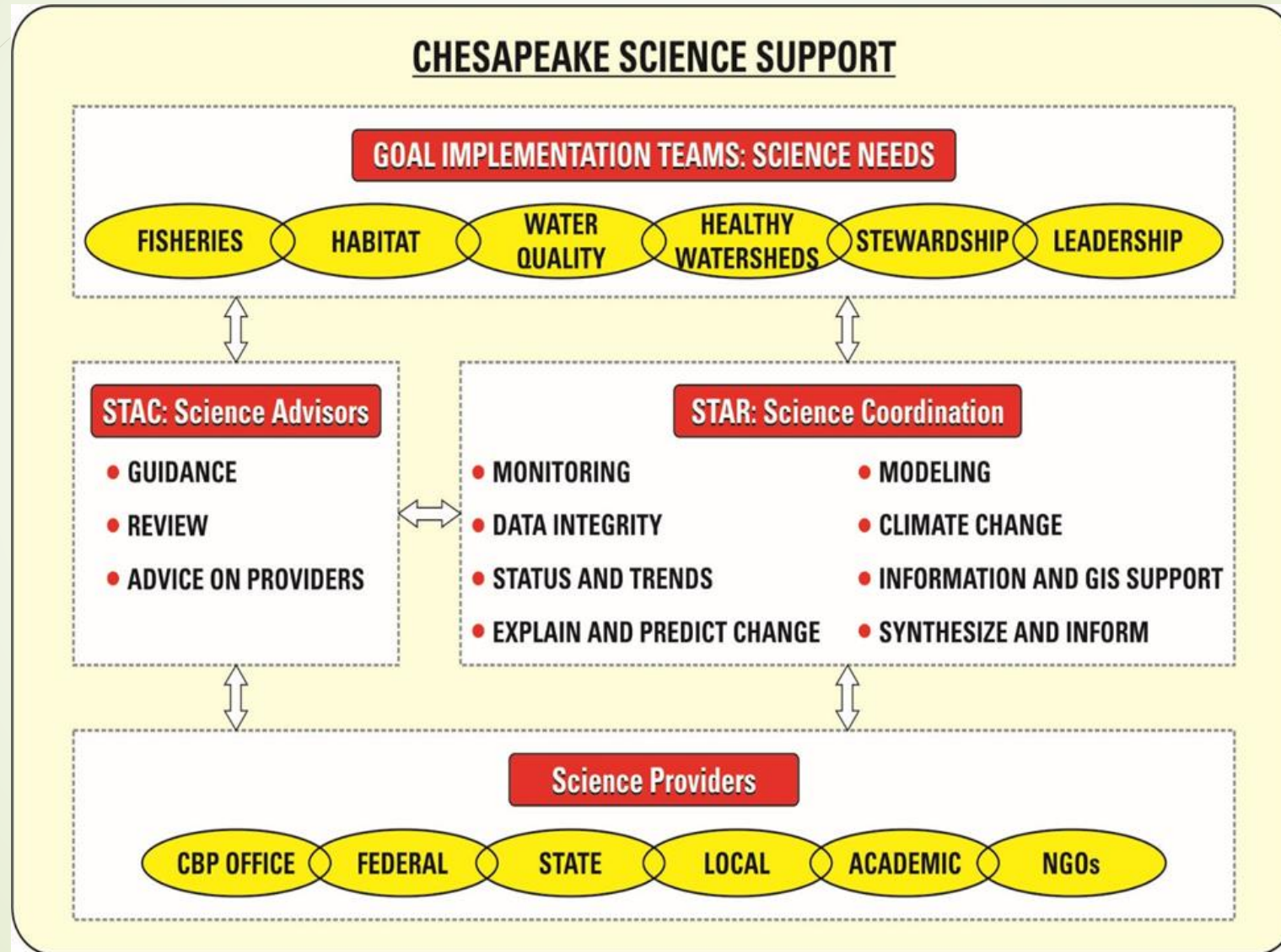


# Proposed Approach

Have the Goal Teams, STAR, and STAC work together to:

- Revise science needs (include what was already gathered through STAR and include SRS science items)
- Conduct a resource assessment of how needs are being currently addressed by different science providers
- Prioritize science needs that require additional resources
- Provide recommendations to the MB at 2019 SRS Biennial Meeting and discuss how resources could be used

# Brief Reminder on Roles



# What we'd like from STAC:

- Feedback on process
- Input on criteria for prioritization
- Identify smaller group of STAC members to be involved in initial prioritization
- Connect prior STAC workshop and research recommendations that relate to the science requests
- Input on resource assessment

# Detailed Approach/Timeline

Conduct resource assessment

Nov 29	STAR meeting	Present process & gather feedback from STAR
Dec 7	STAC meeting	Present process & gather feedback from STAC
Dec 20	STAR meeting	Review final needs list; finalize prioritization process/criteria
Jan 24	STAR meeting	Provide initial resource assessment results & get feedback
Jan 29	GIT chairs meeting	Conduct initial prioritization with GIT chairs, smaller STAR & STAC cohorts
		Gather feedback and adjust
Mar 13-14	SRS Biennial	Present prioritization for feedback

# Science Needs List

Goal Team	SRS Outcome	Need	Completed? (Y/N)	More specific detail	Why is this needed?	Category	Other Goals/Outcomes This Addresses
Sustainable Fisheries	Fish Habitat / Water Quality	Monitoring vertical water column habitat	No - ongoing	Methods are being developed through FY2018 GIT Funded hypoxia pilot project	Needed to pair WQ data with living resources	Monitoring	
	Fish Habitat	<del>Pair WQ data with living resources data</del>					
	Fish Habitat	Improved fish habitat maps		Incorporated under Fish Habitat Assessment			
	Oysters	Shoreline indicator development		Closely related to shoreline threshold analysis and inventory			
	Oysters	Oyster restoration monitoring	Yes	Research by ORP to develop standardized, cost-effective monitoring restoration methods based on success metrics	Needed to compare methods for restored tributaries across MD/VA	Monitoring	
	Forage Fish	Shoreline threshold analysis - GIT funded project		No - ongoing	Knowing the threshold is not meaningful without understanding the existing baseline through an inventory of shoreline condition/type (below)	Needed to understand coastal development impacts to nearshore species	Analysis

# Prioritization Criteria

## Current GIT Funding Project Criteria

Criteria	Scale	Power Boost (optional)
<b>Removes Barrier(s)</b>	scale 1-10	
<b>Catalyst</b> <ul style="list-style-type: none"> <li>• Matching funds</li> <li>• Follow-on from previously funded projects</li> <li>• Establishes sustainable resource(s)</li> <li>• Accelerates knowledge, technical assistance, and/or relationships with key stakeholders</li> </ul>	scale 1-10	<b>Equity</b>
<b>Cross-Outcome/Cross-GIT</b> <ul style="list-style-type: none"> <li>• Direct connections</li> </ul>	scale 1-10 (x2 weighting)	Teams with high number of outcomes (ex. Habitat, Stewardship only) <u>or</u>
<b>Decision Framework</b> <ul style="list-style-type: none"> <li>• Indicator development</li> <li>• Measuring progress                             <ul style="list-style-type: none"> <li>• New and/or improved methods and plan(s) to measure progress; not ongoing monitoring effort(s)</li> </ul> </li> <li>• Testing alternative management actions and outcomes</li> </ul>	scale 1-10	New Outcome <u>or</u>
		Never Funded
		<b>Special Circumstances/Extraordinary Request</b>