

Proposed STAC-CBP Process Revisions

Technical Reviews, Workshops, and other Responses
Denice Wardrop and Gary Shenk
Management Board
March 12, 2020

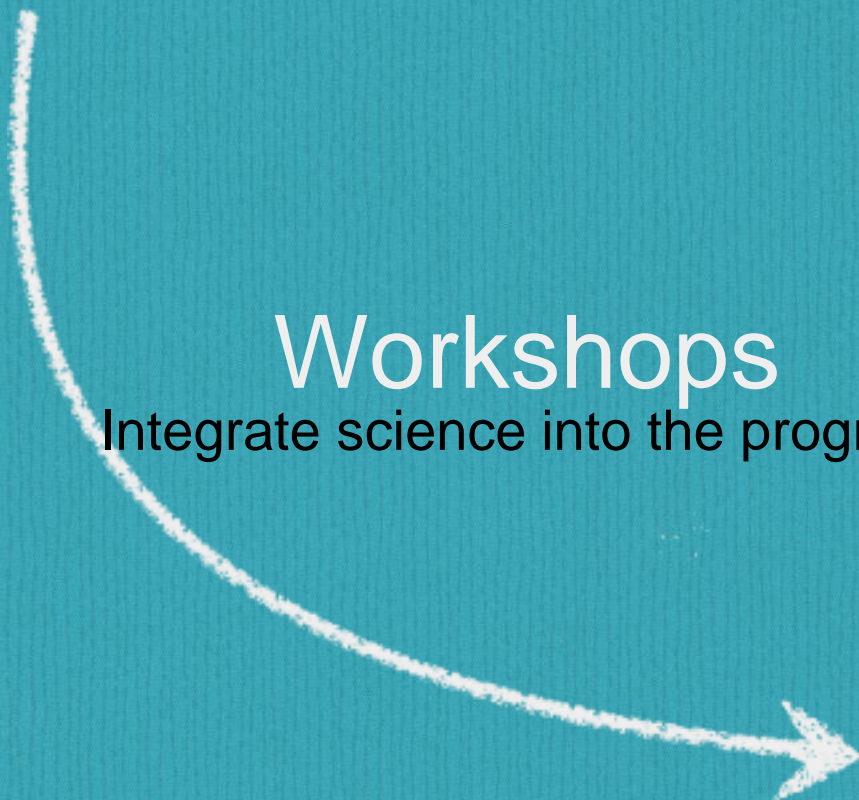


State of Science
Synthesis
Technical Review

Is tool good enough to make a decision?



Workshops
Integrate science into the program



Technical Review

- Objective: Is the tool appropriate for decision-making?
- Recommendation: what is future recommended action for the tool (e.g., further development, conditions for usage)

Workshops

- Objective: Integrate relevant science into the CBP
- Recommendations: How, when, where to integrate

What's in the Box of a Workshop?

Gathering

Findings

Identify gaps to be filled

Compare to GIT science needs

Recommendations

How, where, when to integrate

Check against prior
recommendations

What is supposed to happen?

- Reports are required within 90 days of the workshop
- STAC writes a letter to the Chair of the Management Board requesting a reply from the MB to the recommendations that also identifies several other CBP groups
- STAC receives a response within 90 days

Year 1

Year 2

Year 3

Year 4

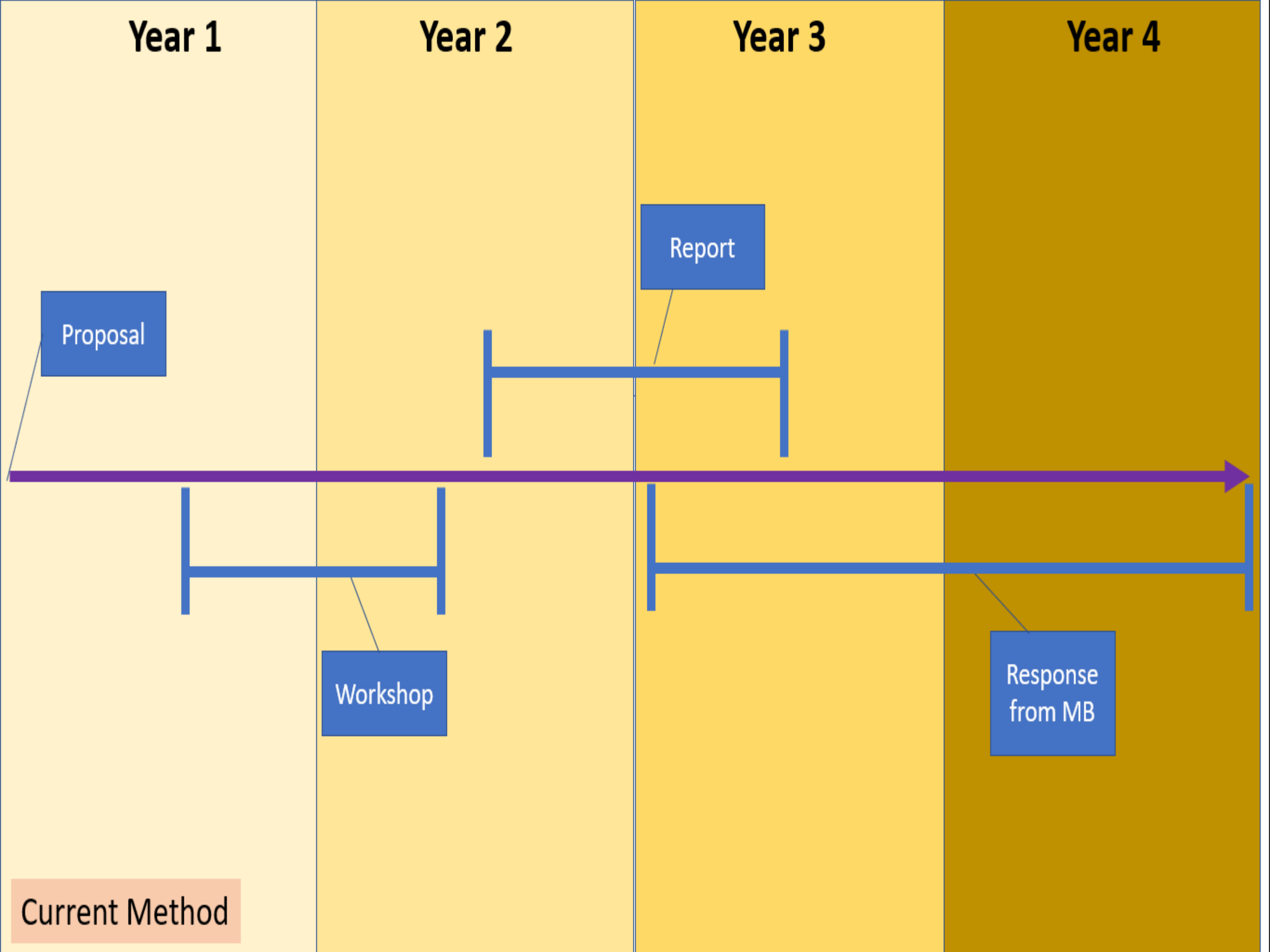
Proposal

Report

Workshop

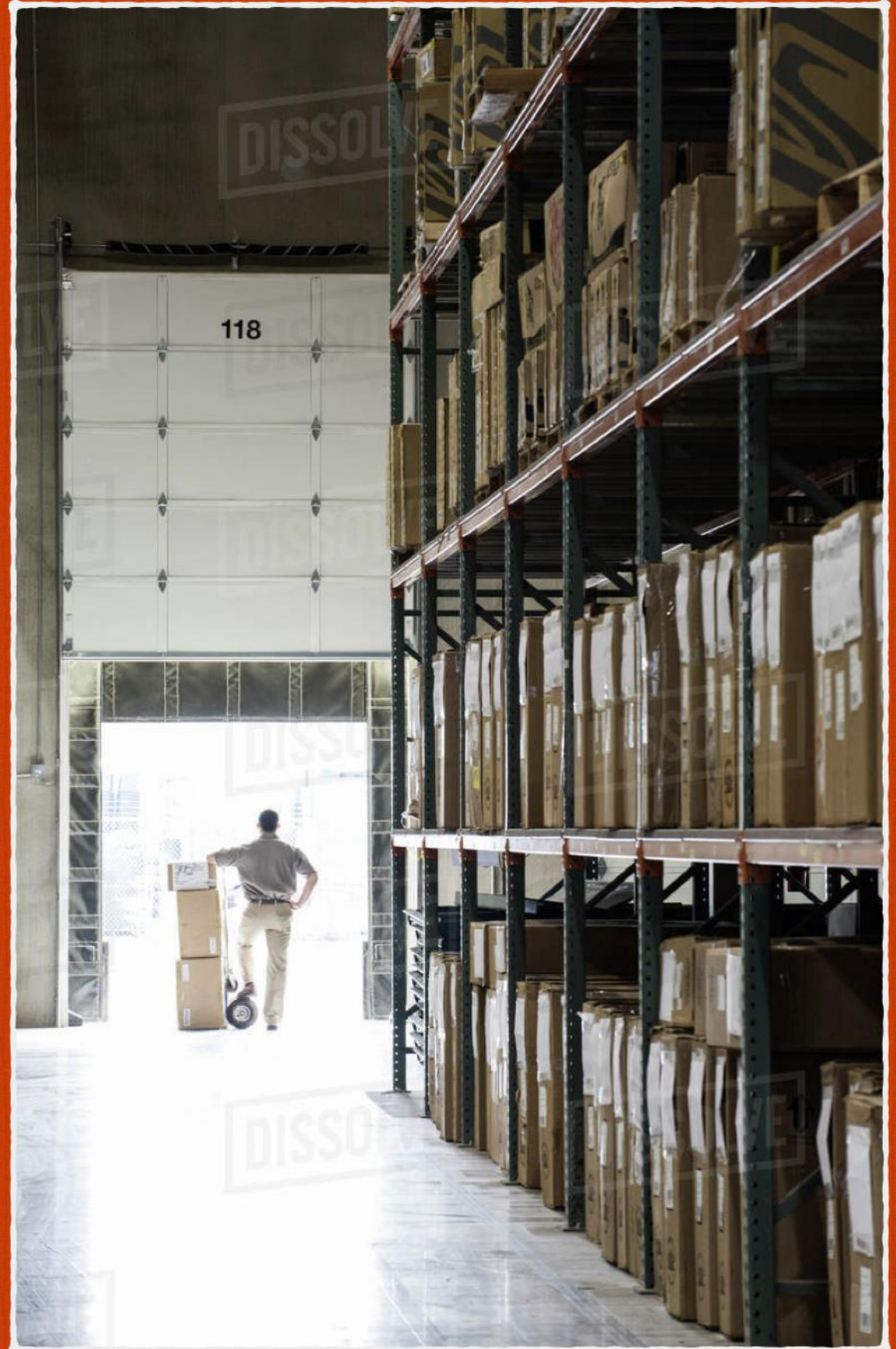
Response from MB

Current Method



The Loading Dock Model is not working

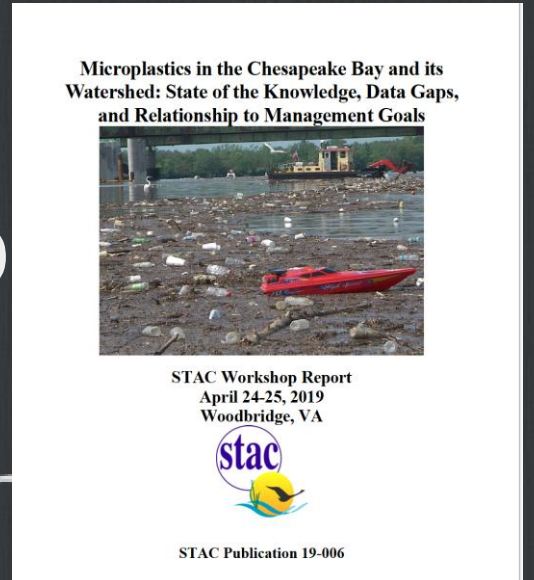
Items are on back order!



Workshop Recommendations: SPURR

- S - Specific and granular
- P - Programmatic partner
- U - Urgency
- R - Risk (of not taking action)
- R - Resources and timing

Microplastics Recommendation



- **Recommendation #1: Establish a Plastic Pollution Action Team at the CBP;** The CBP should create a cross-GIT Plastic Pollution Action Team to address the growing threat of plastic pollution to the bay and watershed. **S; P**
- **Recommendation #2: Researching Effects on Living Resources;** STAR should immediately incorporate development of ERAs of microplastics into the CBP strategic science and research framework, and the Plastic Pollution Action Team should oversee the development of the ERAs focused on assessment of microplastic pollution on multiple living resource endpoints. **S; P; U**
- **Recommendation #3: Complete a Technical Review of Terminology;** STAC should undertake a technical review of terminology used in microplastic research, specifically size classification and concentration units, and recommend uniform terminology for the CBP partners. **S; P**
- **Recommendation #4: Address Sources;** ERAs.. should not preclude the Plastic Pollution Action Team from leading an effort to develop a source reduction strategy for the bay and watershed. **U; R**
- **Recommendation #5: Monitoring;** We recommend that the Plastic Pollution Action Team and STAR team, and/or other technical experts, collaborate on the development of a monitoring design to identify and answer the distribution of microplastics. **S; P; R**

Proposed Process

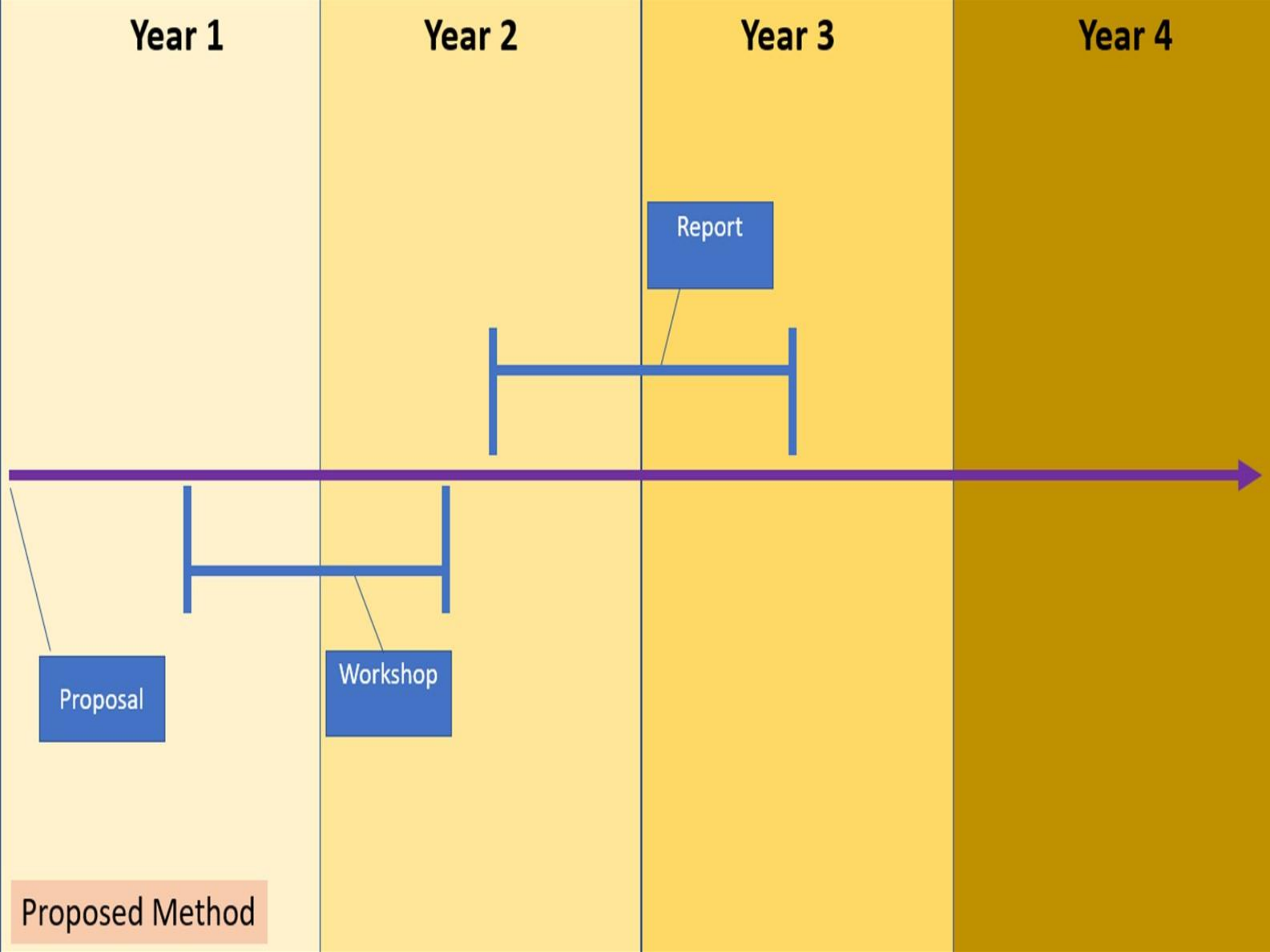
- Potential programmatic partners are identified as part of workshop planning
- Workshop recommendations would follow SPURR format
- Workshop report is presented to 1-5 GITS or workgroups
- Presentation to Management Board is last step
- *CBP response to workshop recommendations is the discussion at various CBP meetings*

Year 1

Year 2

Year 3

Year 4



Proposal

Workshop

Report

Proposed Method

Year 1

Year 2

Year 3

Year 4

Response
planning

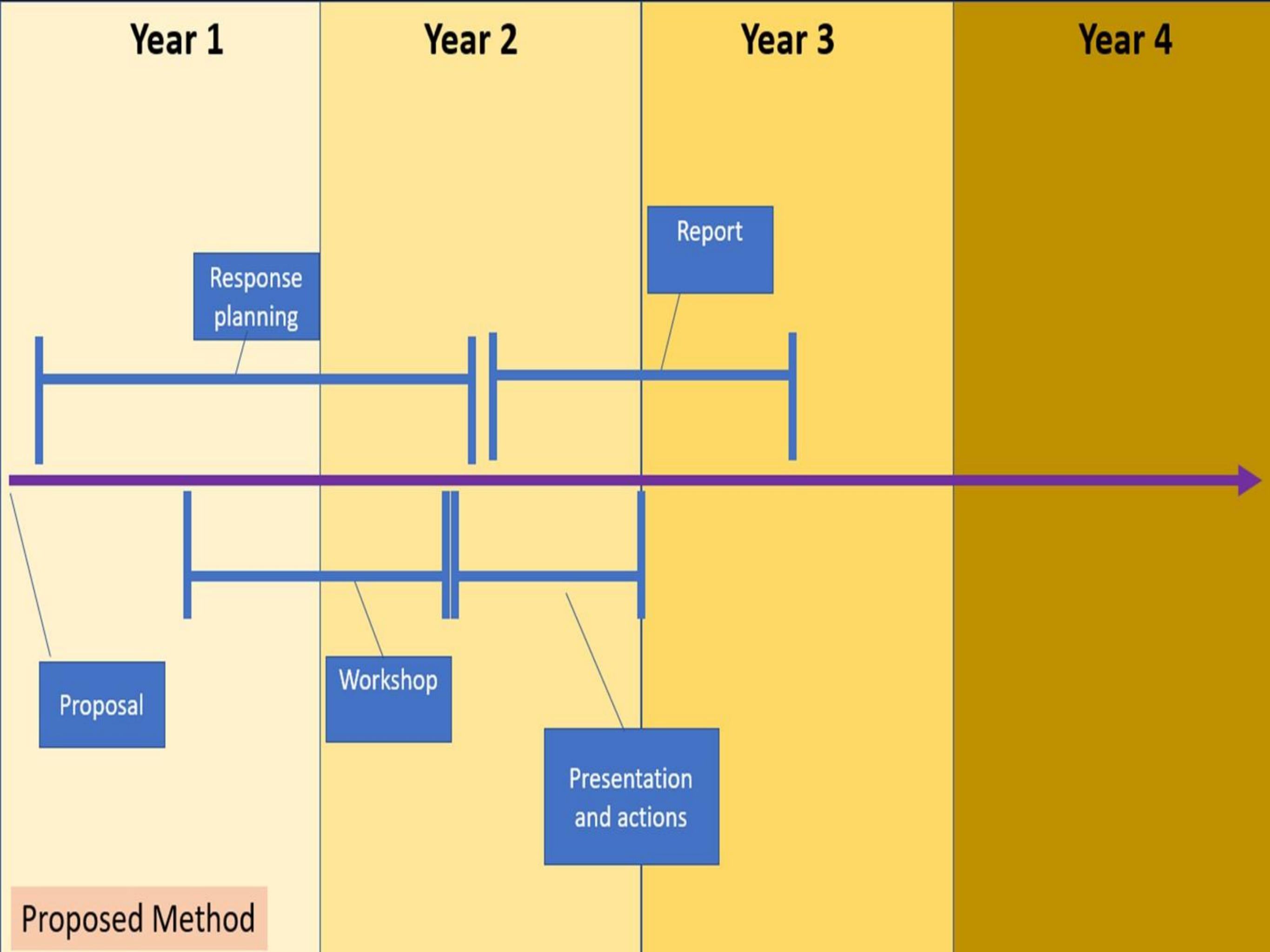
Report

Proposal

Workshop

Presentation
and actions

Proposed Method





STAC Recommendations

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- ▶ Sustainable Fisheries
- ▶ Toxic Contaminants
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- ▶ Water Quality

Search:

multiple model

Search Fields:

All

Abbreviated Recommendat...	Publication	Author	Actions
Use Multiple Models : Analyses presented at the workshop specifically demonstrated that multiple hyd;	Chesapeake Bay Hydrodynamic Modeling	Carl Cerco, Carl Friedrichs, David Jasinski, Gary Shenk, Kevin Sellner, Raleigh Hood, Wen Long	Detail Publication Response Letter STAC Letter
The Chesapeake Bay Program should implement a multiple modeling strategy for each major decision-mak;	Multiple Models for Management in the Chesapeake Bay;	Brian Benham, Gary Shenk, Kevin Sellner, Marjorie Friedrichs, Michael Paolisso, Pasky Pascual, Raleigh Hood, Raymond Najjar	Detail Publication Response Letter STAC Letter
The Chesapeake Bay Program should exercise the multiple models system to quantify model uncertainty ;	Multiple Models for Management in the Chesapeake Bay;	Brian Benham, Gary Shenk, Kevin Sellner, Marjorie Friedrichs, Michael Paolisso, Pasky Pascual, Raleigh Hood, Raymond Najjar	Detail Publication Response Letter STAC Letter
The precise role that multiple models play and the structure that is used to accomodate multiple mode;	Scientific and Technical Advisory Committee Chesapeake Bay Watershed Model Phase 6 Review	Andrew Miller, Claire Welty, Don Scavia, Douglas Smith, James Martin, James Pizzuto, Kathleen Boomer, Lawrence Band, Peter Kleinman, Richard Alexander	Detail Publication Response Letter STAC Letter

Uses of the STAC recommendations database

- STAC members understand STAC history
- Workshops planned and new recommendations drafted in the context of history
- CBP has the ability to research recommendations on areas of interest

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