

# Using Multiple Models for Management in the Chesapeake Bay - Implications for Regulatory Decisions (M3.2 workshop)



*Scientific and Technical Advisory Committee  
to the Chesapeake Bay Program*

Steering Committee:

Brian Benham, Marjy Friedrichs, *Raleigh Hood*,  
Ray Najjar, Michal Paolisso, *Pasky Pascual*,  
Kevin Sellner, *Gary Shenk*, Don Weller

Staff: Matt Johnston, Natalie Gardner

# Logistics

- Proposed by Gary Shenk
- Approved by STAC March 2012
- 2-day workshop
- Sept-Oct
- DC-Annapolis Area
- Report to summarize state-of-knowledge for ~6 objectives

# Objectives

- Catalog the various meanings of the term “multiple models” (the different ways multiple models can be used)
- Identify which meanings have been used by STAC, the CBP, and other CB stakeholders

# Objectives

- Catalog the advantages (and disadvantages) of multiple models
  - in addressing scientific questions
  - in supporting management decisions
- Present case studies of past successes (and failures) of multiple models in decision making and regulation, esp. water and water quality management

# Objectives

- Consider how multiple models can (or cannot) work, given CWA requirements & standards for setting & enforcing TMDLs (especially the CB TMDL)
- Describe how CBP models are currently used in management decisions & how this might change with multiple models

# Objectives

- Consider the practicalities
  - Who would develop, calibrate, & apply MMs?
  - How would MM activity be funded and governed?
  - How would MM relate to the proposed modeling lab?
- Assess interest & support for M3 among CBP partners

Currently identifying case  
studies, presenters, &  
attendees...