Modeling Team Priorities for 2019

Gary Shenk CBPO

...along with the whole modeling team and modeling workgroup

4/2/2019

Modeling Team Priorities for 2019

- Climate Change
- Documentation
- WIP support
- James CHLA
- Technology Transfer
- Other collaborative work

- Long-Range
 - Phase 7
 - Uncertainty quantification

CBP Climate Work Plan

2018 2019 2020 2021

STAC Workshop

Climate Resiliency WG to investigate BMP response

Jurisdictions provide narrative in WIP3s on climate strategies

Modeling WG develop climate scenarios

Water Quality
GIT, Modeling
WG, Climate
Resiliency WQ
direct Modeling
team to
develop climate
change
assessment for
TMDL

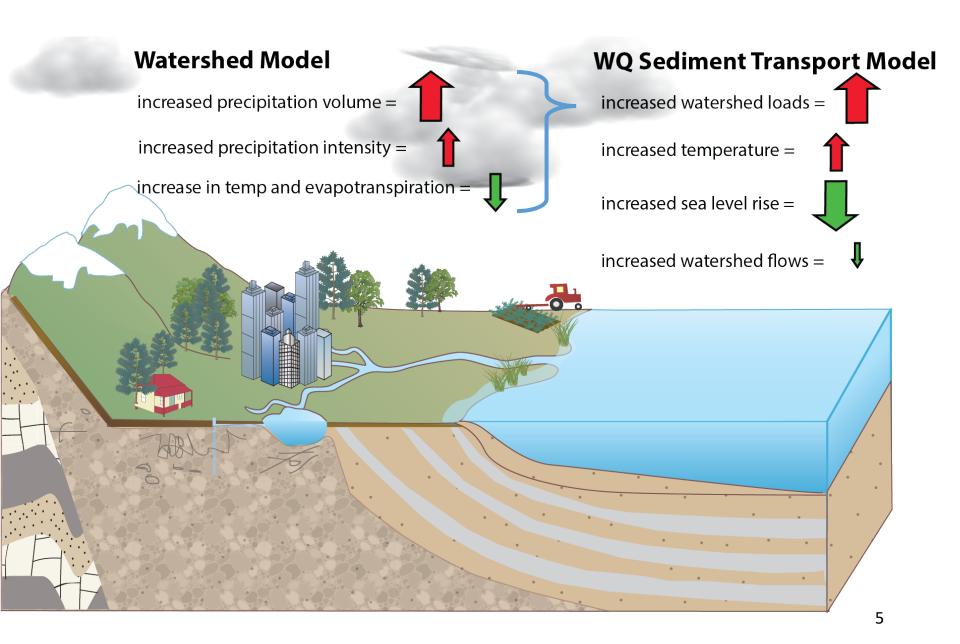
Technical Review of Models

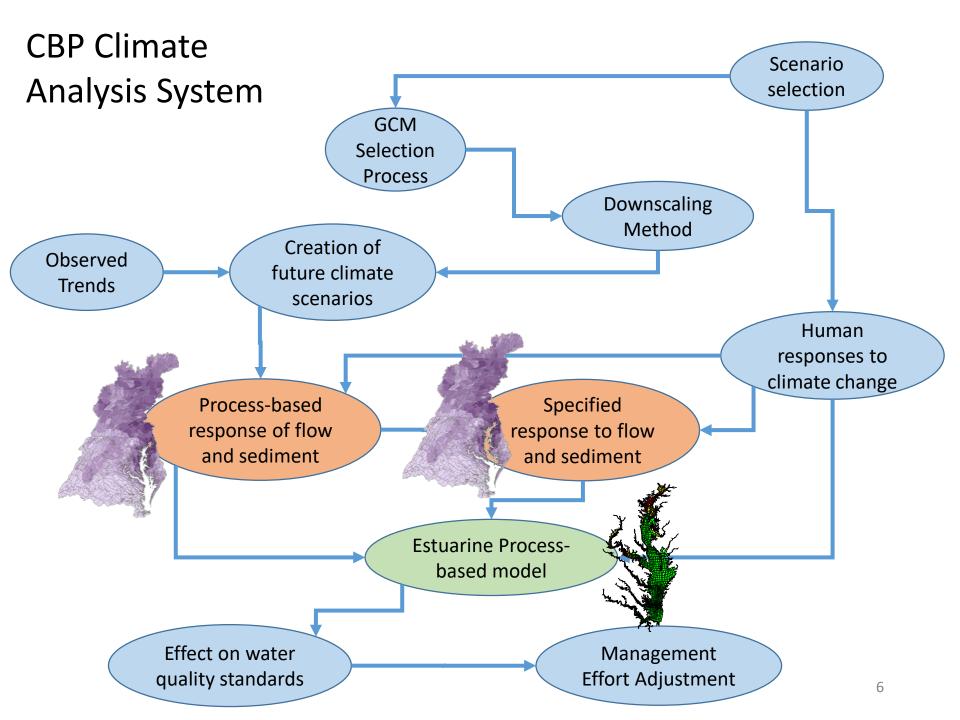
Climate change considerations will be implemented into the 2022-2023 milestones.

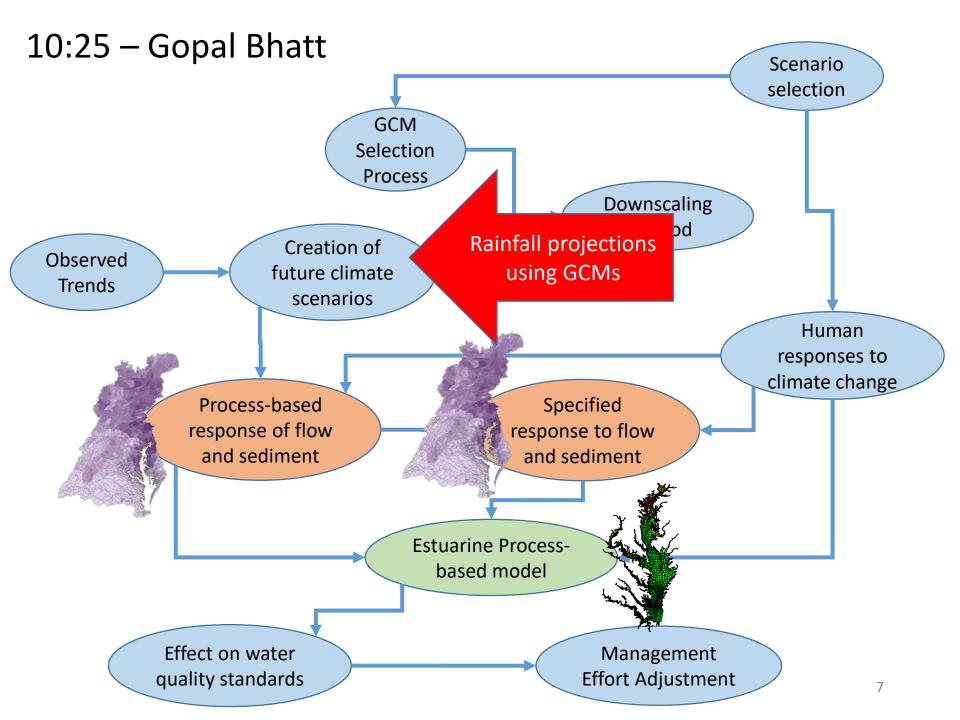
CBP 2019 MWG Climate Work Plan

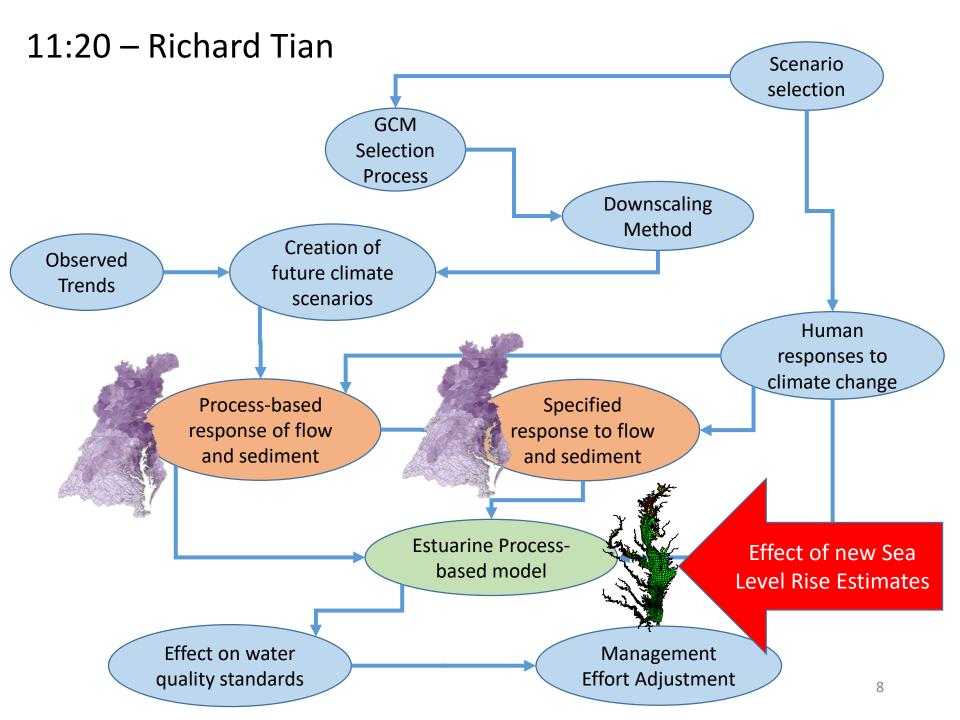
February	April	July	October	November
Climate Topics	Climate Topics	Technical Decisions on Climate Topics	Technical Decisions on Climate Topics	Delivery of model results based on October decisions

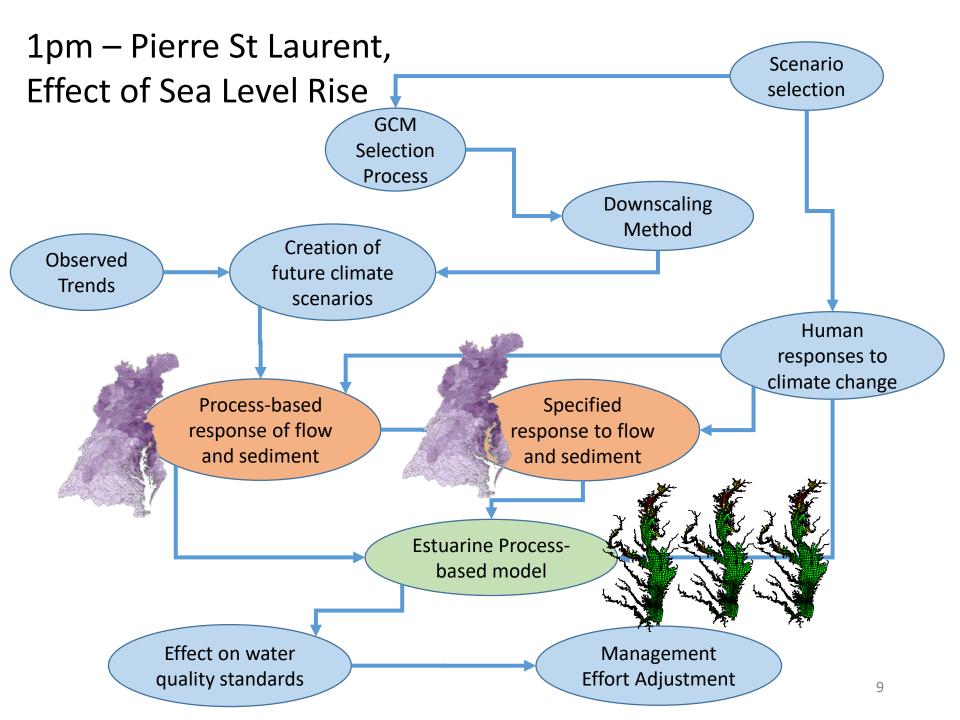
Climate Effects on Oxygen

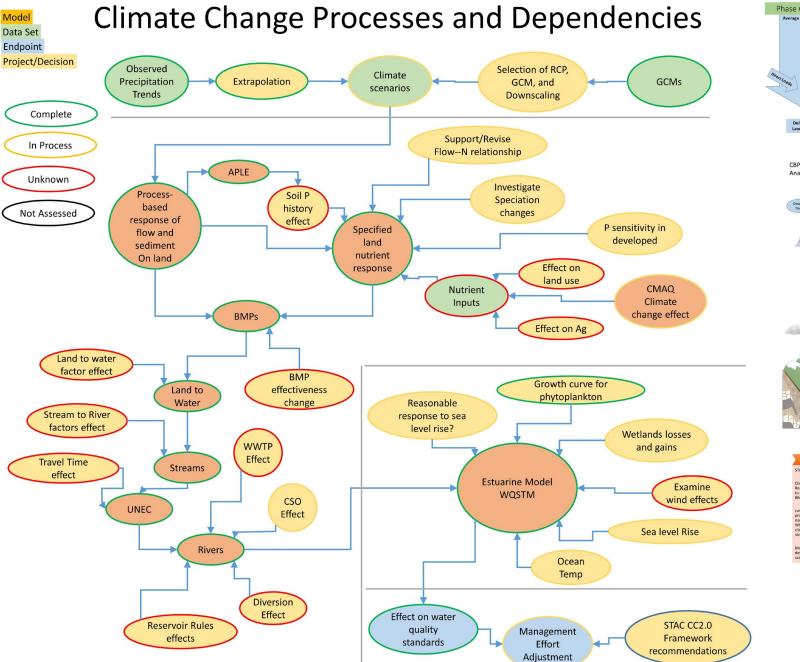


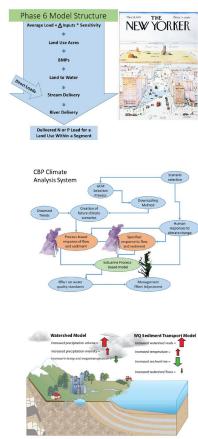














Modeling Team Priorities for 2019

- Climate Change
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hothing to share but

- Long-Range
 - Phase 7
 - Uncertainty quantification

WIP support - Optimization

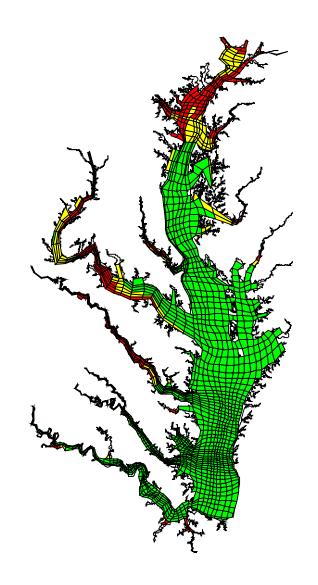
- Danny Kaufman 11am tomorrow
- Web tool available
- Optimizes efficiency BMPs only
 - No nutrient management
 - No buffers, etc
- Displays stored results



Technology Transfer March 12-14

Lew Linker 11:50 tomorrow

- Next workshop 7/23 7/25
- NCTC



Collaborative work toward future models

- Mechanical Aeration
 - Case study Lora Harris 1:40 today
- Direct runoff of atmospheric nitrogen
 - Joel Bostic 10:10 tomorrow
- Reactivity of eroded wetlands
 - Isabella Bertani 10:40 tomorrow