



Modeling Workgroup Conference Call

September 12, 2019

CBPO Conference Room - 305

410 Severn Avenue Annapolis, MD 21403

Event webpage:

https://www.chesapeakebay.net/what/event/september_modeling_workgroup_conference_call

For Remote Access:

Zoom Link: <https://zoom.us/j/308282355>

Phone number: 929-205-6099 **Meeting ID:** 308-282-355

To enter the webinar, please open the webinar link first

- 1:00 Announcements and Amendments to the Agenda – Dave Montali, Tetra Tech and Mark Bennett, USGS**
- 1:05 CAST 2019 – Gary Shenk, USGS-CBPO**
Gary will present the potential updates for CAST-2019. The Water Quality Goal Implementation Team will have considered updating input data at their September 9 meeting and the Modeling Workgroup will review the related updates to the code. All updates will need to be consistent with the TMDL Midpoint Assessment decisions made with CAST-2017.
- 1:50 Nitrogen Sensitivity to Climate Change Driven Changes in Hydrology – Isabella Bertani, UMCES**
Isabella will examine nitrogen sensitivity to climate change driven changes in hydrology through a literature review and an analysis of WRTDS data.
- 3:30 Atmospheric Deposition for the Climate Change Scenarios – Gopal Bhatt, Penn State**
Multiple lines of evidence are being used for estimating changes in atmospheric deposition for the climate change scenarios. The analysis shows a linear relationship between changes in rainfall and wet depositions, and no changes in dry depositions. The presentation will provide a brief progress update on the data sources, analysis methods, and results for estimated draft sensitivities (% changes in rainfall vs. % change in wet depositions).
- 4:00 ADJOURN**