



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

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 presented the potential updates for CAST-2019. The Water Quality Goal Implementation Team have considered updating input data at their September 9 meeting and the Modeling Workgroup reviewed 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 examined 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 were being used for estimating changes in atmospheric deposition for the climate change scenarios. The analysis showed a linear relationship between changes in rainfall and wet depositions, and no changes in dry depositions. The presentation provided 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

Meeting Participants:

Bhanu Paudel
Bill Ball
Bruce Michael
Cassandra Davis
Chris Brosch
Clint Gill
Cuiyin Wu
Daniel Kaufman

Dave Montali
Emily Trentacoste
Gary Shenk
George Onyullo
Gopal Bhatt
Isabella Bertani
Jesse Bash
Karl Berger
Lew Linker
Marjorie Zeff
Mukhtar Ibrahim
Norm Goulet
Olivia Devereux
Richard Tian
Rick Winfield
Steve Schreiner
Ted Tesler