



Chesapeake Hypoxia Analysis and Modeling Program (CHAMP)

June 23-24, 2021



<https://cwm.zoom.us/j/4418206715?pwd=N3RveEZNNGRiR1I2TEFucmVpTjhFdz09>

Meeting ID: 441 820 6715 Passcode: 6715

Meeting materials: https://www.chesapeakebay.net/what/event/champ_june_2021_meeting

June 23, 2021

- 13:00 Welcome to Day 1 (*M. Friedrichs*)
- 13:10 Modeling climate change for the Chesapeake Bay TMDL: how has CHAMP helped for 2020, and how can CHAMP help for 2025 (*G. Shenk*)
- 13:45 Climate projections for the Chesapeake Bay and its watershed (*R. Najjar*)
- 14:15 Long-term carbon and nitrogen biogeochemistry in the Chesapeake Bay watershed: Using the past to inform the future (*H. Tian*)
- 14:45 Potential impacts of climate change on nitrogen loading to the Chesapeake Bay under the high (RCP8.5) climate warming scenario: Results from a process-based modeling study (*Z. Bian*)
- 15:15 Predicting near-term effects of climate change on nitrogen transport to Chesapeake Bay (*S. Ator*)
- 15:45 Increased Dermo disease in Chesapeake Bay oysters caused by continued warming and nutrient loading (*E. Hofmann*)
- 16:00 Project synthesis manuscript (*E. Hofmann*)
- 16:15-17:00 Feedback & discussion with MTAG; how can CHAMP continue to assist the CBP?

June 24, 2021

- 13:00 Welcome to Day 2 (*M. Friedrichs*)
- 13:05 Modeling the interannual variability of annual hypoxia (1985 – present) (*P. St. Laurent*)
- 13:30 Quantifying the increased resiliency of the Chesapeake Bay to hypoxia: a benefit of nutrient reductions (*L. Frankel*)
- 14:00 How will the impact of climate change on riverine nutrient loading impact Chesapeake Bay hypoxia? (*K. Hinson*)
- 14:30 Impacts of wetlands and SAV change on hypoxia in the Chesapeake Bay: results from the CBP WQSTM (*C. Cerco*)
- 15:00 Are projected climate impacts sensitive to how we choose to apply climate forcing to the Chesapeake Bay? (*M. Herrmann*)
- 15:30-17:00 Feedback & discussion with MTAG; how can CHAMP continue to assist the CBP?