Climate Resiliency Workgroup Conference Call

Monday, June 15, 2020
1:30 PM – 3:30 PM

Conference Line: +1 (571) 317-3112 Access Code: 539-329-229
Please see email/calendar notice for password
Webinar*: https://global.gotomeeting.com/join/539329229
Meeting Materials:
https://www.chesapeakebay.net/what/event/climate_resiliency_workgroup_june_2020_meeting

Location: Conference Line

*If you are joining by webinar, please open the webinar first, then dial in.

AGENDA

1:30 PM **Welcome and Meeting Overview – Co-Chair Mark Bennett (USGS) and Erik Meyers (The Conservation Fund)**

- Introduce climate interns to CRWG
- Learn about different available data from USGS and NOAA to support the CRWG climate indicator efforts.
- FY20 GIT-Funding Update

Key Announcements:

- Consulting hours with Finance Experts: Between now and August 3, each coach is available to advise for up to 10 hours (hours are shared with STAR). We ask that workgroup members let us know if they are interested in the option of one-on-one consulting hours for existing or future projects they are working on/planning. Projects must have a climate-related component to them.
- Joint meeting June 16th from 10 – 12:15 with the Urban Stormwater WG, CRWG, and Modeling WG.
    - This meeting will focus on coordination between the workgroups on projects related to projected IDF curves, BMP climate resilience, and climate change indicator development.

1:35 PM **Welcome CRWG Interns!**

New summer interns will introduce themselves and Julie will share their project descriptions with workgroup.

- Shalom Fadullon (NCBO-CRC) – Development of ecological indicators related to assessing the climate resiliency of living resources
- Selaam Dollisso (CBP-CRC C-StREAM) – Development of strategies to assess climate change impacts related to flooding and sea level rise affecting communities within the Chesapeake Bay Watershed

1:45 PM **The potential effects of land-use and climate change on future stream conditions – Kelly Maloney (USGS),** Kevin Krause, Lauren Hay, Greg McCabe, Terry Sohl, and John Young (USGS) and Claire Buchanan and Zachary Smith (ICPRB)

This USGS study examined the possible effects of a suite of land-use and climate scenarios on the biological condition of 70,772 small streams in the Chesapeake Bay watershed for the years 2030, 2060, and 2090. The study used the Chesapeake Basin-wide Index of Biotic Integrity (a benthic macroinvertebrate index) to represent stream condition. Researchers evaluated four land-use scenarios representing a range of landscape futures and, for the future climate scenarios, summary statistics from 122 downscaled global circulation models. A current scientific challenge is projecting future stream conditions while accounting for the high variability among the possible future land-use and climate scenarios. This study is among the first to project future stream biological conditions based on a suite of disparate land-use and climate scenarios.

2:15 PM **NCBO CBIBS data - Taylor Giordano and CJ Pellerin (NOAA)**

CJ will give an overview of the NOAA Chesapeake Bay Interpretive Buoy System (CBIBS) and available data with emphasis on water temperature and salinity data. These data may be of use in supporting the development of a Bay water temperature climate indicator.

2:45 PM **Satellite Water Temperature Indicator for Chesapeake Bay – Ron Vogel (NOAA)**

Ron Vogel (UMD) will review the prior developments of satellite temperature's inclusion in CBP's Climate Change Indicator Implementation Plan (2018). CRWG member's thoughts on potential paths forward will be discussed after the presentation.

3:15 PM **Update on FY20 GIT-Funding Ideas – Julie Reichert-Nguyen, (NOAA)**

- CRWG
    - Literature review of carbon-related studies associated with wetlands and SAV to inform potential future climate resilience finance-related strategies
    - Go over workgroup input
- Other Workgroups
    - SAV Workgroup: SAV Synthesis Project 2.0: Synthesizing the future of SAV in Chesapeake Bay by modeling climate impacts to restore important living resources
    - Wetland Workgroup: Incorporating Marsh Migration and Shoreline Condition Data into Wetland Restoration Targeting

3:30 PM **Meeting Adjourn**

Next Meeting: July 20, 2020 1:30 – 3:30