



Climate Resiliency Workgroup Conference Call

Monday, May 18, 2020
1:00 PM – 3:30 PM

Meeting Materials:

https://www.chesapeakebay.net/what/event/climate_resiliency_workgroup_may_2020_in_person_meeting

Minutes

- **ACTION:** Julie will send out the notes she took during the CBP Finance and Investment Forum.
- **ACTION:** Cuiyin Wu will send out reminder email to the WG members regarding the finance coaching hours.
- **ACTION:** Jim George will send contact information to Jennifer Starr that may help with the flooding summit.
- **ACTION:** If the workgroup members are interested in either taking the lead of a GIT-funded project or being involved in developing the projects, please let Julie know.
- **ACTION:** Julie will follow-up with LGAC and the Local Engagement team about the GIT-funded project idea on identifying government limitations to climate change response (top ranked idea from poll).
- **ACTION:** Kelly Maloney's presentation will be rescheduled in a future CRWG meeting.

- 1:00 PM** **Welcome and Meeting Overview – Co-Chair Mark Bennett (USGS) and Erik Meyers (The Conservation Fund)**
- Update on CRWG activities
 - Learn about USGS stream condition analysis related to land use and climate change scenarios and USGS/UMCES study on long term and short term trends for key parameters such as water temperature, DO, TN, Chl-*a* etc. The information from these studies could assist with our climate indicator work.
 - Discuss and rank FY20 GIT-funding ideas in preparation for the May 20th cross-workgroup meeting and proposal submission by June 15th.
- 1:10 PM** **CRWG Activities, Coordinator Julie Reichert-Nguyen**
- **Blog by Cuiyin Wu (CRWG staffer):** How choosing the right tree can help adapt to climate change. Check it out [here](#).
 - **Consulting Hours with Finance Experts:**
GITs have been assigned two finance coaches. The coaches are available for consultation for six months, from May 1 to October 30, 2020. Between now and August 3, each coach is available to advise for up to 10 hours. We ask that workgroup members let us know if they are interested in taking advantage of these one-on-one consulting hours for existing or future projects they are working on/planning. Projects must have a climate-related component to them.

Discussion:

- Julie added that David Tepper, Josh Parrish, and George Kelly are the coaches assigned to STAR. We will schedule for the June meeting to continue this conversation on how to best use these consulting hours. Options: Use for WG members that have proposals related to climate needs on financing. Have coaches present 101 basic financing info to help workgroup generate ideas and/or have the workgroup present ideas and have the coaches provide input on feasibility during CRWG meeting.
- Erik pointed out that the key to this opportunity is to get private funding not public dollars, but can be combined with public dollars.
- Kristin mentioned that if you have a proposal that is related to private financing, feel free to talk to the financing coaches to request feedback. She added that more financing related work will be done in the next year.
- Kate McClure asked if the materials of CBP Finance and Investment Forum can be shared to the WG members. Laurel mentioned that all the presentation materials were posted [here](#).
- **ACTION:** Julie will send out the notes from the climate breakout group from the CBP Finance and Investment Forum.
- Nicole asked if the financing is related to on the ground projects. She is familiar with water quality based pay for performance financing strategy but not sure about how resilience based financing would work. Erik pointed out that there is missing knowledge to motivate private investment and this will be discussed during GIT funding discussion.
- Mark mentioned that the timeline is very tight to fully utilize the coaching hours so he encouraged WG members to send emails to Julie if interested in the hours.
- **ACTION:** Cuiyin Wu will send out reminder email to the WG members regarding ideas for use of the coaching hours.
- Erik asked if we can reserve a few hours of the financing experts for the future CRWG meeting. Kristin confirmed that we can and we could use the coaching hours to help shape an idea.
- Nicole Carlozo added a [good resource](#) from the William & Mary Law School's Resilience Funding Forum to help with brainstorming ideas. Elizabeth Andrews also provided a link to [legislation](#) in VA that this report helped form the basis for.
- Taryn Sudol added another [good resource](#) on Federal funding opportunities related to flood resilience.

FY19 GIT-Funded Project Status

The RAND Corporation/VIMS were awarded the contract for the FY19 GIT-funded project, "Building a Bay-Wide Scorecard to Track Climate Resilience for Watershed Communities." We had our kickoff meeting on May 1, 2020. We are looking forward to working with them on this project! CRWG members interested in assisting with this project, please contact Julie Reichert-Nguyen, julie.reichert-nguyen@noaa.gov.

1:25 PM

LGAC Flood Summit – Jennifer Starr (LGAC coordinator, Alliance for the Chesapeake Bay) and Julie Reichert-Nguyen, (NOAA)

CRWG is assisting the Local Government Advisory Committee with organizing a summit with local decision-makers to discuss strategies to address flooding. The summit is scheduled for September 24th. We are looking for members who have experience working on flooding issues to be on the planning committee. The draft problem statement is provided below:

***Problem Statement:** As more and more communities face the increasing challenge of climate-related disasters involving inland and coastal flooding from extreme weather events, high tides, and sea level rise, there is a growing need for local decision makers to combine efforts across localities to harness support at a regional level to make the case to state and federal partners for funding actions to improve resiliency. Framing the issue, and making it one of hazard mitigation, national security, public safety, and economic vitality is critical to quantify the cost of doing nothing compared to securing resources to prepare for and better respond to flooding impacts.*

Discussion:

- Jennifer Starr added that the funding for this one-day workshop comes from NFWF and is invitation only and focus on problem solving and developing recommendations for Local Governments. Jennifer asked if any WG members would like to be part of the planning team.
- Jim George mentioned that MD has offices that are very involved in the flooding issue, such as Emergency management administration and Flood insurance coordinator office.
- **ACTION:** Jim George will send contact information to Jennifer Starr that may help with the flooding summit.
- Kevin Du Bois, Kate McClure, Ben McFarlane, Taryn Sudol and Elizabeth Andrews are interested in serving in the planning committee for the flood summit. Kevin Du Bois is PWS and CFM certified and worked for Norfolk for over 20 years. Elizabeth added that at the VCPC we frequently work with local governments and PDCs on flooding issues in VA. We also hosted a Resilience Funding Forum aimed at local governments last year.
- Erik added that there's a group being led by Bob Shedlock, retired director of USGS Water Science Center, on flooding under auspices of Baltimore Urban Waters partnership. They would be good to be involved in planning the flooding summit.

2:10 PM

[Tidal GAM Trends to evaluate water quality in the Chesapeake Bay – Jeni Keisman \(USGS\) and Rebecca Murphy \(UMCES\)](#)

The Integrated Trends Analysis Team uses a generalized additive model (GAM) approach to evaluate tidal water quality and produces annual maps of long term and short term change for key parameters such as water temperature, DO, TN, Chl-*a* etc.

More trend maps can be found [here](#)

Discussion:

- Rebecca mentioned that there is an interactive mapping tool in development and will be available soon. Tool would allow the extraction of relevant info and computed trends accounting for flow variability, seasonal timeframes, and depth comparison.
- Rebecca mentioned that some parameters, such as temperature and salinity, are influenced by freshwater flow.
- Julie commented that this information and how it is presented could be useful for the development of climate indicators related to Bay water temperature and salinity. The CRWG is working to connect physical indicators with living resource and habitat impacts.
- Julie asked if any of this information can be projected into the future. Rebecca said currently it is not but they could explore the use of this data with projections. Julie added that the CRWG is working with the Modeling Team to connect climate projections with water quality parameters and living resources. Lew mentioned that we should look into a joint meeting and include Peter Tango.
- Nicole asked if any of this already on Chesapeake Progress (being used by other Workgroups)? Rebecca said it is not on the Progress website. Jeni added that it is on their radar. Rebecca added that the water Temperature trend can be added.
- Kevin added that DOD have lined up Emily Trentacoste to talk about the CBP data dashboard.

2:40 PM

2020 Chesapeake Bay Program Goal Team Funding – Julie Reichert-Nguyen, (NOAA)

Objective: GIT Funding Ideas: Goal Team Funding for 2020 will once again become available, with funding for projects within the \$25-\$75k range and the total funding amount is \$829,250. Please be prepared to discuss these ideas further, and/or other project ideas for this year's funding. A list of potential project ideas has been put together for the WG members to review.

Proposals (Table 1) will be due on **June 15.**

RFP can be found [here](#)

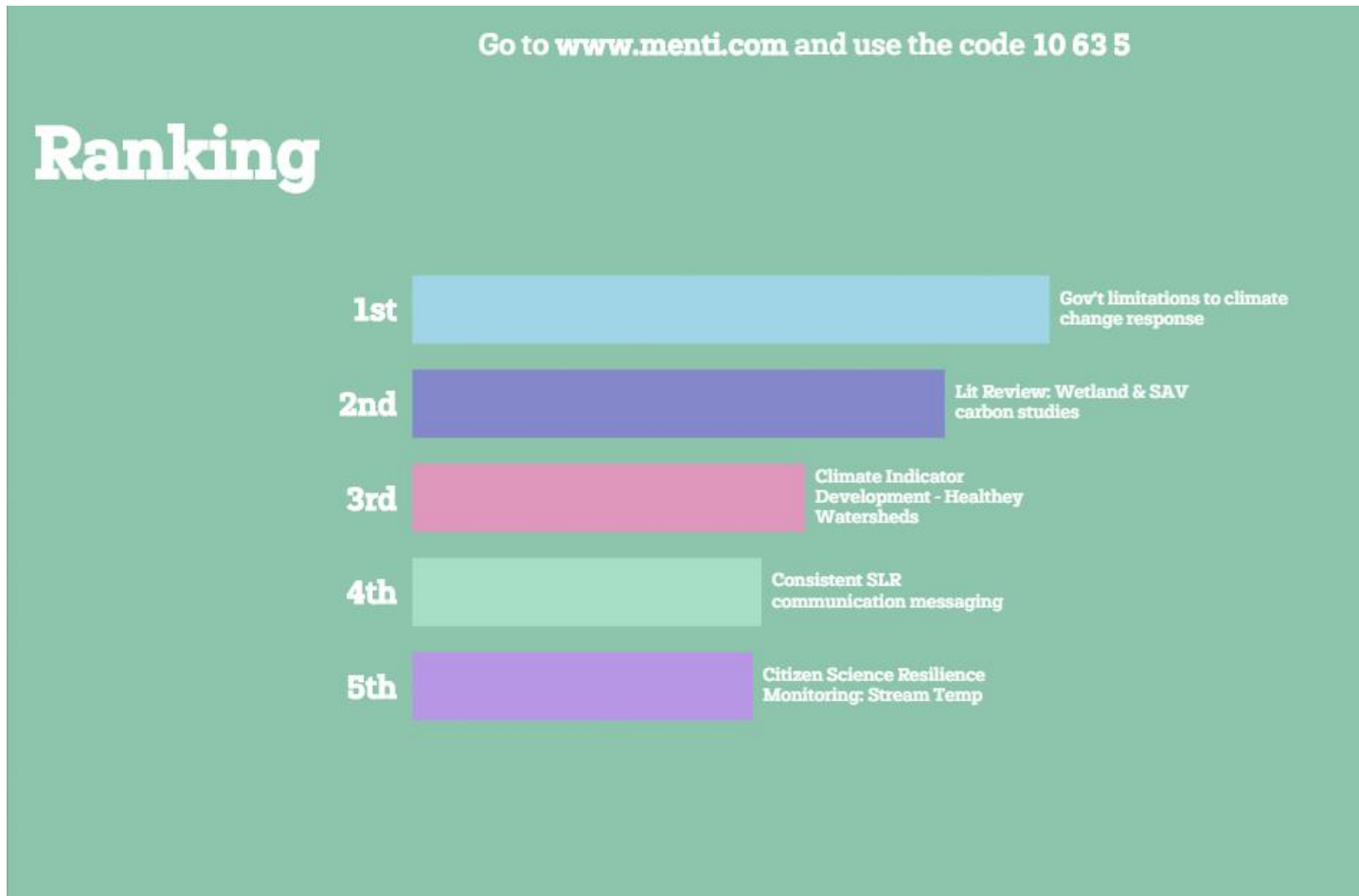
Discussion:

- Kate commented that how do we create message around SLR resonate with people outside the coastal area and are not directly impacted by flooding.
- Matt Kontfirst mentioned that R3 have developed message related to risk tolerance to communicate SLR.
- Rebecca commented that Communication Team can work on generating talking points if you need. She added that we need to make sure the audience for the SLR messaging is interested in using the message instead of

creating their own communication message if we want to put this project through GIT funding.

- Regarding the idea: Project with partners from MD, DE, DC and VA analyzing limitations in their state and local governments' authority that hampers their ability to respond to climate change, Elizabeth asked if there were any examples that resulted in the inclusion of this in the workplan. Mark, Erik, and Julie were not familiar with any examples. Elizabeth offered an example of stormwater management response to sea level rise. Julie commented that this project could be useful since we need local government support in increasing resilience actions.
- Jim George commented that item number 7 involving flooding is not intended to be separated from the SLR messaging. Julie moved it to the SLR messaging idea.
- Kevin Du Bois added that the Chesapeake Bay Foundation had a program years ago to connect farmers high up in the watershed to watermen in the lower Bay to develop a common understanding for the need to curb pollution at its source. It might be valuable to look at their approach for insights.
- Regarding the climate indicator idea related to healthy watersheds and stream temperature, Peter Claggett commented that next generation land use dataset will include color-coded stream network to identify what percentage is shaded. Julie asked whether this information could be combined with Healthy Watersheds Brook Trout climate assessment. Renee answered that they could explore this, but can't make any guarantees for this round of GIT-funding. She suggested we document available data sources first and explore what the components would be for a climate resilience indicator. She mentioned she is very interested in supporting the climate resilience indicator either through workplan or next round of SRS review or GIT funded project.
- Regarding the carbon financing idea, Elizabeth added [a useful resource](#) on eelgrass in VA and assessing opportunities and obstacles for blue carbon credits.
- Renee commented that the workgroup members can participate as part of the technical lead "team" to bring in your expertise.
- **ACTION:** If the workgroup members are interested in either taking the lead of the project or being involved in developing the projects, please let Julie know.
- **ACTION:** Julie will contact the LGAC regarding the first ranked idea.

Results from the Menti-meter:



Meeting Participants:

- Julie Reichert-Nguyen
- Cuiyin Wu
- Breck Sullivan
- Kelly Maloney
- Jeni Keisman
- Rebecca Murphy
- Jennifer Starr
- Mark Bennett
- Erik Meyers
- Kate McClure
- Shalom Fadullon
- Kristin Sanders
- Renee Thompson
- Rebecca Chillrud
- Caroline Harper

Carl Friedrichs
Julianna Greenberg
Katie Brownson
Ben McFarlane
Katie Matta
Elizabeth Andrews
Laurel Abowd
Nicole Carlozo
Matthew Kontfirst
Taryn Sudol
Krista Grocholski
Nora Jackson
Jim George
Jackie Specht
Gary Shenk
Cassandra Davis
Kevin Du Bois
Jeni Keisman
Sally Claggett
Ann Philips
Peter Claggett