



Scientific, Technical Assessment and Reporting (STAR) Meeting

Thursday, April 25, 2019

10:00 AM –12:30 PM

Conference Line: 929-205-6099 Meeting ID: 984-334-403

Webinar*: <https://zoom.us/j/984334403>

Meeting Materials:

https://www.chesapeakebay.net/what/event/scientific_technical_assessment_and_reporting_star_team_meeting_april_2019

CBPO Location: Fish Shack

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

AGENDA

10:00 Welcome, Introductions & Announcements – Bill Dennison (UMCES) and Scott Phillips (USGS)- STAR Co-Chairs, Peter Tango (USGS) and Emily Trentacoste (EPA), STAR Co- Coordinator

Upcoming Conferences, Meetings, Workshops, & Webinars-

- [Coastal and Estuarine Research Federation Conference](#) (CERF), November 3 – 7, 2019. Mobile, Alabama. Abstracts due May 1, 2019.
- [Annual Water Resources Conference](#) (AWRA), November 3 – 7, 2019. Salt Lake, Utah. Abstracts due May 6, 2019.
- [Association for Environmental Studies and Sciences](#) (AESS), June 26 – 29, 2019. University of Central Florida.
- [International Symposium on Sustainable Systems and Technology](#) (ISSST), June 25 – 27, 2019. Portland, Oregon.
- [Esri User Conference](#), July 8 – 12, 2019. San Diego, CA.
- [AGU Understanding Carbon Climate Feedbacks](#), August 26 – 29, 2019. San Diego, CA. Abstracts due May 8, 2019.
- [2019 Maryland Land Conservation Conference and Symposium](#), May 16, 2019. Linthicum Heights, Maryland
- [2019 Pennsylvania Land Conservation Conference](#), May 16, 2019. Skytop, PA
- [Environmental Leadership Conference for Independent School Leaders](#), July 17, 2019. Smith Island, Maryland
- [2019 Ohio Stormwater Conference Registration](#), May 8-10, 2019. Sharonville, Ohio

Funding Opportunities-

NASA is looking to fund scientific collaborators to discover new ways that synthetic aperture radar (SAR) (L and C band) can be used to study earth surface processes, including hydrologic processes. SAR has been used to measure snowpack, soil moisture,

land subsidence, wetland conditions, flooding, river surface roughness, salinity, and other hydrologic variables. 05/20/2019 due date for mandatory notices of intent (NOIs).
Details available below the end of the agenda.

- 10:10 Communication Team Update and 2019 Bay Barometer release– Joan Smedinghoff** (Alliance for the Chesapeake Bay)
Joan will update STAR on the highlight of the 2019 Bay Barometer and Climate Resiliency indicators.
- 10:30 Update on Integrating GIT science needs with STAC – Emily Trentacoste** (EPA) and **Breck Sullivan** (CRC)
Breck will provide an update on status of integrating GIT science needs with STAC information.
- 11:00 Integrating Climate Change needs into the Science Framework: Mark Bennett** (NOAA) and **Lew Linker** (EPA)
The MB at their April meeting requested the CBP modeling to support climate needs be integrated into the Science Framework. We will both the overall modeling plans for climate change discuss how can meet the needs of multiple Goal Teams. We will also discuss the more focused request of understanding effects of climate change on water-quality BMPs, that was requested by the PSC.
- 11:10 Next step on climate change modeling – Lew Linker** (EPA)
Lew will provide an update on the modeling team’s next steps of on climate change modeling and how it will can support needs of the Goal Teams.
- 11:40 Developing a Research Focus for Addressing BMP Climate Resiliency – Lew Linker** (EPA)
Lew will brief STAR on the recent discussion of focused research on BMP resiliency to climate change with resiliency research issue paper.
- 12:15 Adjourn**

Next Meeting Dates: May 23th

Additional Details for NOAA funding opportunities:

NASA has released a new research opportunity with relevance to water science.

Links

NASA landing page - [link](#)

A.53 Request for Proposals [PDF](#)

Plain Language Summary:

NASA is looking to fund scientific collaborators to discover new ways that synthetic aperture radar (SAR) (L and C band) can be used to study earth surface processes, including hydrologic processes. In advance of the NISAR satellite launch in 2022, an airplane will collect SAR data that are very similar to the data to be collected by the satellite. Studies will be funded to use these aerial data (Airborne Synthetic Aperture Radar (ASAR)).

Relevant to WSC and WMA science: SAR has been used to measure snowpack, soil moisture, land subsidence, wetland conditions, flooding, river surface roughness, salinity, and other hydrologic variables. This is your chance to get an early view and learn how to use the very powerful (hydrologic) data that will be collected by NISAR.

Dates:

05/20/2019 due date for mandatory notices of intent (NOIs)

06/19/2019 due date for full proposals

08/01/2019 start date of research project

NOTES:

Partnering with scientists from NASA and/or the Indian Space Research Organisation (ISRO) is encouraged.

Award amounts will average \$100K. Full proposals are only 8 pages long, not too burdensome.