



NWQMC Webinar Series

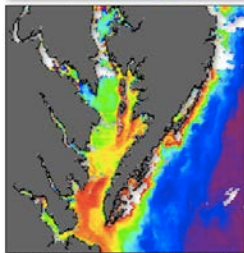
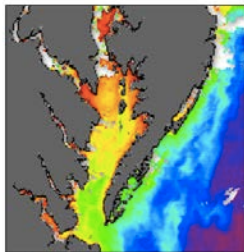
Observing the microscopic living (and non-living) ocean from space

Presented by

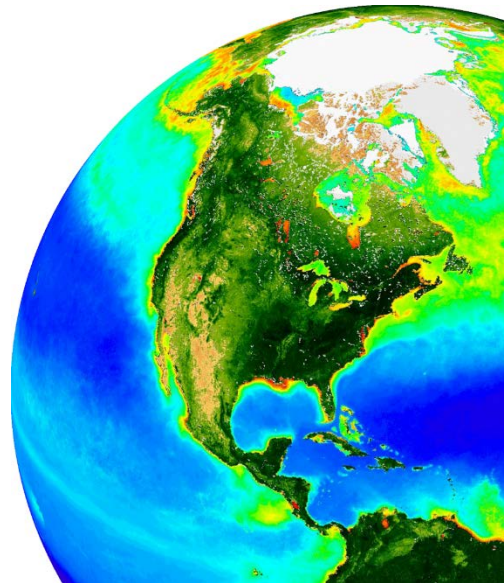
Dr. Jeremy Werdell, PACE Project Scientist, NASA Goddard Space Flight Center

Wednesday, February 7th, 2018 at 1:00 – 2:00 p.m. EST

chlorophyll-a (algal biomass)



particle backscattering
(sediment load)



“Observing the microscopic living (and non-living) ocean from space” will provide an overview of the field of satellite ocean color. The contents of the upper water column shape the distribution of the light field and give the ocean its color. By measuring the spectral distribution of light leaving the ocean (that is, its color), satellite radiometers can be used to infer the contents of the water column, including information useful for fisheries and watershed management and water quality monitoring. This presentation will review the current state-of-the-art in satellite ocean color and explore needs and next steps (e.g., the need to move from radiometry to spectroscopy to better monitor phytoplankton community composition). It will also attempt to demystify the acquisition, use, and analysis of satellite ocean color data products.

The webinar is free; pre-registration is required. Please login 10 minutes early.

To register for this session, go to:

<https://doilearn2.webex.com/doilearn2/onstage/g.php?MTID=e56d4c15c42b467ff5e2212c1a0800ac0>

and register at the bottom of the page. You will receive a confirmation email with instructions for joining the session.