



The Challenges and Opportunities of Analysis Ready Data for EO-based Global Water Quality Monitoring and Assessment - A Community Discussion

May 20th 2020 5-6pm EDT, 9-10pm GMT, 7-8am Sydney (21st)

Hosted by GEO AquaWatch

Agenda

1. Introduction, Framework- CEOS, WGISS, AquaWatch (Steve Greb, *UW-Madison and GEO AquaWatch*)
2. What is the concept of ARD and why do we need it? (Rob Woodcock, *CSIRO* and Brian Killough, *NASA*)
3. Current status of ARD for aquatic systems
 - a. **Landsat 8**- (Steve LaBahn, *USGS* and Nima Pahlevan, *SSAI / NASA GSFC*)
 - b. **Australian Geoscience Data Cube**- (Stephen Sagar, *GA*)
 - c. **ESA Sentinel 2**- (Carsten Brockmann, *Brockmann Consult*)
 - d. **GHRSSST**- (Ed Armstrong, *NASA/* Ken Casey, *NOAA*)
 - e. **ACIX-Aqua**- (Nima Pahlevan, *SSAI / NASA GSFC*)
4. What are the issues? Differing approaches, AC, sensors, resolutions (Arnold Dekker, *SatDek Pty Ltd* and Rob Woodcock, *CSIRO*)
5. Open discussion- What does the aquatic community need in terms of ARD requirements? What should be the role of the AquaWatch community? How does the community access proper calibration/validation data, cloud opportunities? What's the role of private companies? (Facilitated Discussion)
6. Solicit participation (Merrie Beth Neely, *NOAA and GEO AquaWatch*)