Great Lakes Workshop Series
On Remote Sensing of Water Quality

Workshop 2
Ann Arbor, MI
May 7-8

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Acknowledgement

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Goal for the Workshop Series

“Identification of gaps in science and technology for remote sensing of water quality

Featuring:

- An emphasis on Great Lakes waters
- Building upon results of past workshops
- Formulation of potential, short, pilot projects
Objectives for the Workshops

- Identify gaps between the needed and the available water quality data
- Describe the science, technology, & missions required for satisfying the needs
- Foster Great Lakes remote sensing and community development and data sharing
Workshop 2 Format

- **Plenary talks**
  - Lay ground information for breakout discussions in afternoon

- **Breakout discussion topics**
  1. Moving forward with a regional remote sensing strategy
  2. Data distribution of Great Lakes remote sensing data
  3. Algorithm comparison studies
  4. Create plan to maintain an active Great Lakes RS community
  5. Remote sensing derived products sharing & credit to originators
  6. Define time series RS datasets (i.e. HABs, primary Productivity)
Post Workshop Activities

- Publish workshop result as a possible input to 2017 Earth Science Decadal Survey
- Continue to engage participants’ communities for exchanges and collaboration
- Collaborate on the short (10-week) projects identified at the workshop
NASA Water Remote Sensing & Research

~ Guided by the Decadal Survey & Science Plan ~

- Water & Energy Cycle
  - Fundamental Science
- Water Resource
  - Quantity
  - Quality
  - Decisions/Management
- Capacity Building
Roles in Water Research
NASA GRC Can Fill

- Help organize the remote sensing products and services, including communities and activities
- Coordinate remote sensing related water quality research regionally, nationally, & internationally
- Coordinate in-situ (air, water surface & under, and ground stations) and remote sensing measurements
- Develop instrument for remote sensing, airborne, in-situ, and in-water
  ✓ Test and validation
GRC Air Fleet for Arial Remote Sensing
Questions? Inputs?

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