



International Ocean Colour Science Meeting 2015

Advancing Global
Ocean Colour
Observations

BREAKOUT SESSION 4 - CRYSTAL LOUNGE

TOOLS TO HARNESS THE POTENTIAL OF EARTH OBSERVATIONS FOR WATER QUALITY REPORTING AND MANAGEMENT

Co-Chairs: Blake Schaeffer (EPA/Office of Research and Development) and
Vittorio Brando (Italian National Research Council, CNR)



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9:30-9:40

Introduction and overview

Blake Schaeffer (EPA) and Vittorio Brando (CNR)

1 9:40-9:50

Uses and challenges of earth observation data for inland water quality: a GloboLakes perspective.

Evangelos Spyrakos (U. Stirling)

9:50-10:00

Earth observation in support of reporting to European legislation on surface water quality; technical offers and uptake by users.

Carsten Brockmann (Brockmann Consult GmbH)

10:00-10:30

Moderated Community Discussion

10:30-10:50

Break

2 10:50-11:00

Development of a GEO global water quality monitoring and forecasting service.

Steve Greb (Wisconsin Dept. Natural Resources)

11:00-11:10

Water quality assessment frameworks for the 21st Century. Connecting the dots and adapting to change.

Tod Dabolt (EPA/Office of Water)

11:10-11:20
action.

Changing the global water quality conversation: from Earth observation to

Francis Gassert (World Resources Institute)

11:20 - 12:15

Moderated community discussion & formulation of recommendations



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Proposed questions:

1. How can we overcome barriers to sharing in situ calibration and validation data? **1**
2. How do we see the field of water quality earth observation advancing in the next 5 years? **1**
3. What level of accuracy is needed for the monitoring of lake water quality? **1**
4. How mature are the current in-water and atmospheric correction algorithms over inland and near-shore waters? **(1)**
5. How to build and maintain user confidence in and encourage uptake of EO data? **2**
6. How can resource scarce monitoring programs leverage the onslaught of new data and assessment methods? **2**
7. What are potential policy barriers and or ways policy can encourage the adoption of new methods that leverage sensor data? **2**
8. What are some opportunities to better leverage citizen science with regards to leveraging remote sensing data for water quality and what should the states and federal roles be? **2**
9. Remote sensing derived products and indicators required for reporting are different. Can we develop a strategy to foster communication between EO scientists and users? How can we technically support this dialogue? **1+2**



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