

Event name: Workshop "Workshop on GIS Application to integrate in-situ and EO data for an operational quality assessment for lakes" 20 May, 2014 in Frascati

Event No 13: (WP4, M4.2 and D6.3)

Due Date according to Annex 1: M40 (September 2013)

Actual Delivery Date: 20.05.2014 (M48)

Responsible partner and person: BC (Carsten Brockmann)

Participants and names: The workshop was conducted by WaterS team: Daniel Odermatt, Carsten Brockmann, Ana Ruescas and Kerstin Stelzer (Brockmann Consult).

List of participants:

1. Kari Kallio, SYKE
2. Peter Hunter, Univ. Stirling
3. Andrew Tyler, Univ. Stirling
4. Lars Boye Hansen, GRAS
5. Silvi , GRAS
6. Steward Bernhard, CSIR
7. Steve Groom, PML
8. Petra Philipson, Brockmann Geomatics
9. Daphne van der Wal, NIOZ
10. Jörg Freyhof, GEO-BON, iDIV
11. Bill Brierly, Freshwater Biological Association & Environment Agency
12. Laura Logas, ESA
13. Anna-Birgitta Ledang, NIVA
14. Eirini Politi, Univ. Dundee

Event description

- a) Research programme contribution (WP4, T4.2, T4.3, M4.2)

T4.2: Generate better knowledge about ecological status of lakes in Nordic region.

T4.3: Development of novel product for lakes water quality assessment and mapping, as a precursor for potential operational services using EO capacities, water quality retrieval algorithms and GIS systems for Ecological assessment of Lake Water Quality parameters.

A workshop was held in May 2014 during the Diversity-2 Lakes User Consultation meeting. The objective was to demonstrate Lakes water quality and quantity products processed in the Diversity-2 project in order to show users how satellite data are converted from measurements to temporally and spatially integrated user friendly products. The demonstration of integrating in-

situ and EO data for validation and time series for data analysis was demonstrated with the respective BEAM tools.

The participants were from partner institutions within WaterS, Diversity-2 and users.

AGENDA OF THE EVENT

Tuesday 20.05.2014

14:40 - 16:20: Introduction to DIVERSITY II Lake Products

- Unpacking First Level Indicators: How a phenological time series is constructed (Demonstration)
- Put your hands on MERIS products (guided tutorial)
 - Unit 1: VISAT Basics

16:30 - 18:30: Interactive training

- Unit 2: Spatial Statistics and masks
- Unit 3: Inwater Time Series
- Unit 4: Validation
 - importing in situ data
 - scatterplots
 - transect plots
 - pixel extraction

b) Knowledge transfer programme contribution (WP6, T6.1)

The training was split into a demonstration of products and tools and into hands-on so that the participants could work with the tools and data themselves.

The participants' background knowledge varied from end users with few knowledge to remote sensing specialists