

Deliverable 6.3 Report on each workshop/event

Project title: WaterS

Funding Scheme: IAPP

Event name: WaterS science workshop 28-29 September, 2011 Stockholm. Development in WaterS research topics, further planning and dedicated group meetings (Month 16, reported on M24).

Event No (*WP1,2, 3, 4,5,6,7; Deliverable 6.3*): **6**

Due Date according to Annex 1: 31.05.2012

Actual Delivery Date: 05.05.2012

Responsible partner and person: TO (Anu Reinart) SU (Annelies Hommersom (ER2), Susanne Kratzer)

Participants and names: Stockholm University: Susanne Kratzer (MER5), Annelies Hommersom (ER2), Jose Beltran (ESR10), Therese Harvey (ESR8) Tartu Observatory: Silver Lätt (ESR11), Martin Ligi (ESR9), Krista Alikas (ESR6), Elar Asuküll, Brockmann Geomatics: Petra Philipson (ER1), Katarina Eriksson (ESR1), Water Insight: Steef Peters, Philipp Crötsch, Katrin Poser (RER4), Finnish Environmental Institute: Timo Pyhälähti (MER4), Sampsa Koponen, Jenni Anttila, John Olsson (RER2), Stefan Simis (ER4), Brockmann Consult: Jasmin Geissler (ESR3), Carsten Brockmann; Advisory Council: Hans van der Woerd.

Event description

WaterS has run already a year and all together 12 researchers have been seconded to the partnering institutions and we can report about four joint events in Italy, Latvia, Germany and Norway plus kickoff meeting in Estonia. The event is dedicated for joint discussion about the research activities that partners are carrying out in relation to the project as well as define further research directions and events according to the deliverables.

All WP leaders present their work progress and recruited and seconded researchers introduce their own research activities as well as express their personal experience about living and working in new country and new institution.

Seminar is divided into three thematic sessions according to the research programme and filled with input from the participants and discussions.

General Objectives:

- Scientific discussions of research questions relevant for WaterS
- Leading to a definition of further research and events, undertaken in WaterS according to the deliverables

Programme

Day 1 28th September, 2011

10:00 11:00 WaterS Research Topics Overview
round table (introduction of new students in the team)

project overview presentation by Anu Reinart

quick questions

11:00 -12:30 Presentation of current achievement by the 5 thematic WPs

WPs to be presented:

WP2: Ground based techniques (WP leader Steef Peters)

WP3: Remote sensing techniques (WP leader Petra Phipson)

WP4: Lakes ecological mapping (WP leader Carsten Brockmann)

WP5: Database and processing techniques (WP leader Timo Pyhälähti)

WP6: Knowledge base and synergy (WP leader Susanne Kratzer)

WP7: Broad skills development and increasing visibility (WP leader Anu Reinart)

12:30-13:00 Planning of events during second year

13:00-14:00 Lunch break

14:00 -16:00 Thematic Session 1: Methodological improvements (in-situ, remote sensing)

Key note from Hans van Der Woerd “Close range remote sensing and modeling”

moderator: Carsten Brockmann ,

Annelise Hommersom “Optical properties of Lake Vänern”,

Stefan Simis “according to secondment goal”,

Therese Harvey “Experiences learned from working at Water Insight, a company of Optical Water Quality Services”

break for coffee 15:30-16:00

16:00-18:00: Discussions moderated by Anu Reinart:

Our website, dropbox and WiKI – advantages and problems – all partners (experience by Jasmine)

New related activities and co-funding for the WaterS- all partners

Next deliverables and plan to reach to them – Anu Reinart

Bring photos and other interesting things with you to make meeting emotionally high!

18:00 end of first day , Joint dinner in Hermans

Day 2, 29th September 2011

08:30-10:30 Thematic Session 2: Data management and processing,

moderator: Stefan Simis: presenters (20 min):

Katrin Poser “Database design and implementation”,

Jose Beltran, “Step in the building blocks of MERIS L2 processing”

John Olsson “according to recruitment plan”

Silver Lätt “Adventures with BEAM and SCIATRAN”

10:30 -11:00 break for coffee

11:00 -12:30 Thematic Session 2: End user products (WFD & MFSD requirements, GIS, maps, distribution)

Keynote: Timo Pyhälähti “User requirements for water monitoring programmes and operational EO/optical algorithms, methods and services for meeting them”

moderator: Petra Philipson: presenters (20 min):

Jasmin Geissler, “Requirements from Estonian Users and proposed Lakes products”

Katharina Eriksson, “Mapping shallow seabeds for CZM”

Sampsa Koponen “TBC”

12:30-13:00 Wrap up by Anu Reinart

13:00-14:00 Lunch and meeting End

14:00-17:00 Dedicated group meetings for those who can stay longer

a) Research programme contribution (WP2, 3, 4, 5)

Event created especially valuable basic for the whole team to link activities that has been carried out by seconded and recruited persons in different institutions to the consolidated work flow. Therefore the event contributed to the all four research work packages:

WP2: in ground-based techniques for the observation of optically complex waters

WP3: in remote sensing techniques

WP4: in ecological mapping through optical signatures

WP5: in data management and processing

Summarised ideas: We need to define in each year again how big are our ambitions and what would we like to achieve. In WP6 we need to look for new front edge topics, as there is basically strong need for that we can do! For that we need to engage user to the process (monitoring) – both for business and research groups, as they will use it only if they want or it is requested by authorities: Conference in Tallinn/Estonia)- <http://www.wiser.eu/meetings-and-events/final-conference/> „The way ahead in surface water assessment and management“ – WaterS should be present there!

Summary for the specific scientific topics:

WaterS will bring benefit to:

1. Understanding the optical characteristics of our water bodies (getting the SIOPs and concentrations right; CDOM slope) Lakes Peipsi, Vänern, Võrtsjärv, Vättern, Melärän, small lakes Baltic Sea (Askö region, coast around Estonian islands, Gulf of Finland)

2. Characterization of water bodies; understanding the differences

3. Algorithm development, Inversion algorithms, Statistical significance of investigated water bodies for inversion of large area (important for all Finish lakes)

4. Measurements:

Optimise In-situ measurement strategy, Instrument intercomparison and calibration

Measurement protocols for reflectance and water quality parameters

5. Data collections and processing schemes

Operational vs research?? Important is goal!! Algorithm intercomparisons

Understanding scope and limits of available algorithms/processors (not blindly running it everywhere and comparing results)

b) Knowledge transfer programme contribution (link to WP6,7)

Training of WaterS staff and PhD students first two keynote talks – by Advisory Council member Hans van Der Woerd “Close range remote sensing and modeling” and Timo

Pyh alahti “User requirements for water monitoring programmes and operational EO/optical algorithms, methods and services”.

Two recruited researchers (Poser, Olsson) bring additional competences to the consortium, their talks gave also training to staff and students.

Students were able to have a oral talk, that gave opportunity to practice but also got feedback to their work.

Academic partners introduced their and business partners their opinion to each other.

All presentations by recruited and seconded personnel included also section of personal reflection about work and life in new country.

Further work direction for each of the WP team ensured to transfer of knowledge