7th FerryBox Workshop

7-8 April 2016

Aquila Atlantis Hotel, Heraklion, Crete

Themes

1. Status of application of FerryBoxes in different regions
2. Integration of FerryBox systems in observation networks
3. FerryBox data management and quality control
4. New sensors and their application in FerryBox systems
5. Scientific applications of FerryBox measurements
6. FerryBox data and models

Scientific program

7th April 2016

Morning session: 20 min presentations and 10 min discussion

8:30 – 9:00

- Registration

9:00-9:20

- Welcome

9:20- 11:20

Status of application of FerryBoxes in different regions

- Status of Ferrybox systems in Europe - *Franciscus Colijn*
- SOOGuard flow through system in the Baltic Sea: recent studies and technical development - *Anders Tengberg*
- FerryBox systems in Coastal and Shelf Seas – an overview - *Mirco Scharfe*
- Six years of methane observations in the Baltic Sea - *Carolyn Graves*
- A new FerryBox for Lower Saxony (Germany) - *Anne Ritzmann*
- Norwegian Ferrybox network for monitoring of biogeochemical variables - Kai Sørensen

11:20 – 11:40

- Coffee break

11:40 – 13:00

Integration of FerryBox systems in observation networks

- Subsurface Water Sampling Network of the Instituto Español de Oceanografía: from data acquisition to final users - *Gonzalo González-Nuevo*

FerryBox data management and quality control

- FerryBox Data Management: Proposal for a Common European FB Database - *Gisbert Breitbach*
- Possible synergies between the Gosud project and the FerryBox initiative - *Loïc Petit de la Villéon*
- Correction and quality control of hyperspectral measurements performed from a Ferrybox platform - *Pierre Jaccard*

13:00- 14:30

- Lunch break

14:30 – 16:30

New sensors and their application in FerryBox systems

- Deployment of a new version automated flow cytometer on a FerryBox in the western Mediterranean Sea: management and quality control of flow cytometry data - *Soumaya Lahbib*

- *Flow-through PSICAM – Detecting changes in phytoplankton based on autonomous hyperspectral absorption measurements - Jochen Wollschläger*
- Ferrybox underway monitoring of pCO2 and pH - *Andrew L. King*
- Sailing meets science: Pushing the Ferry Box concept forward - *Stefan Raimund*
- Novel systems for monitoring purposes: Self-cleaning Monitoring Boxes in master/slave mode and new combined litter/plankton and passive samplers - *Tobias Boehme*
- A new sampling method for micropollutants in seawater. A Ferrybox unit equipped for passive sampling - *Marco Schintu*
- Determination of Seawater Carbonate System Parameters (CO2, TA, pH) - Steffen Aßmann

16:30 -17:00

- Coffee break – Poster presentations

  - Detection of long-term drifts of fluorescence sensors mounted in FerryBox Systems by Solid Secondary Fluorescence Standards - Hendrik Rust
  - Multipoint calibration system - A setup to use for validation and calibration of in situ oxygen sensors - Martina Gehrung
  - FerryBox: a new approach to study water masses properties and dynamics in the Western Mediterranean Basin - Cherif Sammari

17:00 – 18:30

FerryBox data and models

- Validation of a pre-operational geostationary satellite SST product in the eastern Mediterranean with different observing platforms - Potiris Emmanouel

Scientific applications of FerryBox measurements

- Multiwavelength fluorescence studies of phytoplankton in the northern Benguela upwelling system - *Jukka Seppälä*
- Effects of temperature on blooms of cyanobacteria in the Baltic Sea - *Johanna Linders*

18:30 – end of the first day

20:00

- Dinner

8th April 2016

9:00-11:00

Invited speaker (Naval architecture): Ship design and scientific platforms

Scientific applications of FerryBox measurements (cont.)

- Biogeochemical changes in the German Bight in response to the extreme June, 2013 Elbe flood - *Yoana G. Voynova*
- Coupling FerryBox and automated flow cytometer: a new approach for studying biogeochemical processes and CO_2 system variability in relation to phytoplankton community structure - *Pierre Marrec*
- Horizontal thermohaline variability at sub-mesoscale to basin scale in the North-Eastern Baltic Sea - *Nelli Rünk*
- Continuous Ferrybox measurements create new knowledge on essential processes in the marine environment - *Villu Kikas*

11:00 – 11:20

- Coffee break

11:20 -13:00

- **Scientific applications of FerryBox measurements (cont.)**

13:00- 14:30

- Lunch break

14:30- 17:00
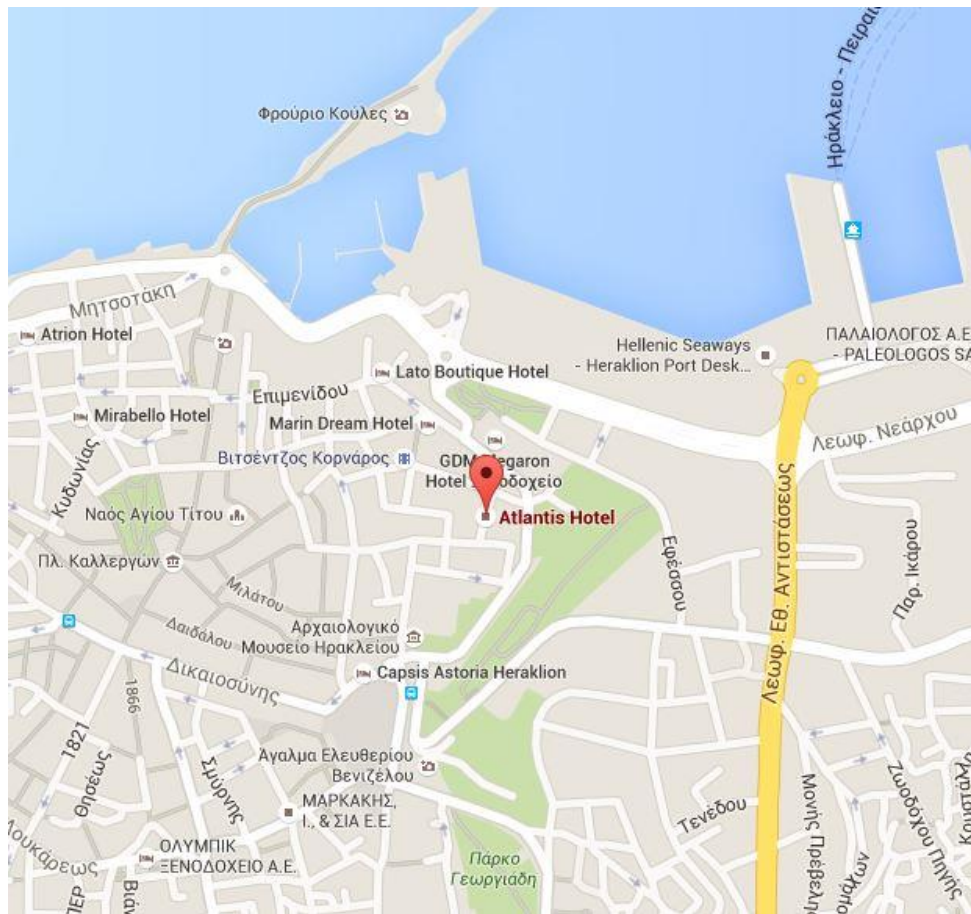
- 7th FerryBox WS conclusions

17:00 – End of meeting

Conference dinner

Conference dinner will take place at Wednesday evening (20:00 the place to be confirmed).

Venue – Accommodation

The Aquila Atlantis Hotel is the city's largest luxury hotel with unobstructed views of the historic harbor. Ideally positioned in the heart of the city, it is the perfect starting point to discover Heraklion and its many historic monuments and museums, all, within easy reach of the business and commercial district. Open all year round, the hotel offers unparalleled services and amenities that meet and exceed the expectations of even the most challenging traveler.

Phone: +30 2810 229 103

Fax: +30 2810 226 265

Email: reservations.at@aquilahotels.com

Atlantis Hotel offers special prices for the participants of the 7th FerryBox Workshop.

Book direct at: https://aquilaatlantishotel.reserve-online.net/?bkcode=160406&checkin=2016-04-06   **Using code: 160406**

Local Meeting Information

If you need any further local information, please contact:

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