



**8<sup>th</sup> FerryBox Workshop**  
**17-19 October 2017, M/S Color Fantasy**  
**Oslo-Kiel-Oslo**

**Agenda & Logistics**

Revision 1  
13 Oct 2017

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**KONGSBERG**



## **Day 1: Tuesday 17 October 2017**

**9:30 Early check-in begins at Color Line Terminal, Oslo**

**10:30 Early boarding begins; coffee/tea and snacks in conference area**

**12:00 Welcome to workshop** (Kai Sørensen, Tor-Petter Johnsen, and special guest from Color Line)

**12:30-13:30 Session 1: Status of FerryBoxes in different regions** (Chairs: Marit Norli, NIVA; Jukka Seppala, SYKE)

*Overview of FerryBox Task team activities, current status within EUROGOOS*

F. Colijn and W. Petersen

Hemholtz-Zentrum Geesthacht (HZG)

*A fleet of merchant vessels facilitates enlargement of FerryBox observation systems in the Northern Europe*

A. Willstrand Wranne, B. Karlson, J. Linders and F. Waldh

Swedish Meteorological and Hydrographical Institute (SMHI)

*Carbon Dynamics in the North Sea: Insights from FerryBox Measurements*

W. Petersen and Y.G. Voynova

Hemholtz-Zentrum Geesthacht (HZG)

*Cefas Endeavour FerryBox 2009-2017 (FLASH)*

T. Hull, D. Sivyer, V. Creach, N. Greenwood

Centre for Environment, Fisheries and Aquaculture Science (Cefas)

*Tunisian FerryBox: a new approach to study water masses properties and dynamics in the Western Mediterranean Basin (FLASH)*

S.B. Ismail, M.A.B. Ismail, C. Sammari

National Institute of Marine Sciences and Technology (INSTM)

**13:30-15:00 Check-in to cabins; then lunch at Restaurant Grand Buffet (Deck 6 Forward)  
(1400: Color Fantasy departs from Oslo)**

**15:00-16:30 Session 1: Status of FerryBoxes in different regions (cont'd)**

*Status of FerryBox lines in Norway and beyond*

A.L. King, M. Norli, P. Jaccard, K. Sørensen

Norwegian Institute for Water Research (NIVA)

*Underway with ICBM*

J. Wollschläger, D. Voß, O. Zielinski

University of Oldenburg (ICBM)

*Water Quality and Nutrient measurements in the turbid Ems estuary*

A. Ritzmann

Coastal Research Station

*Challenges for the operation and maintenance in the shallow and turbid Wadden sea areas*

J. Grünenbaum

Lower Saxony Water Management, Coastal Defence and Nature Conservation Agency (NLWKN)

*Monitoring Ocean Acidification using FerryBox (FLASH)*

M. Norli, A. L. King, E. Yakushev, P. Jaccard, E. Reggiani, R. Bellerby, K. Sørensen  
Norwegian Institute for Water Research (NIVA)

**16:30-17:00 Coffee/tea break**

**17:00-18:30 Session 2: FerryBox observations in combination with other ocean/earth observing systems and data management** (Chairs: Bengt Karlson, SMHI; Henrike Thomas, HZG)

*JERICO-NEXT - main objectives, main results and future strategy*

P. Farcy, D. Durand, JERICO-NEXT steering committee  
French Research Institute for Exploitation of the Sea (IFREMER)

*The Common European FerryBox Database: Current Status and Next Steps*

G. Breitbach, P.F. Jaccard, S. Jirka, S. Kaitala, W. Petersen, S. Reinke, L.S. Ringheim, H. Thomas  
Hemholtz-Zentrum Geesthacht (HZG)

*Hydrographic/environmental effects of shipping in the Baltic Sea*

A. Tengberg, I.-M. Hasselöv, T. Köuts, K. Vahter, L. Arneborg, D. Atamanchuck and D. Wallace  
Chalmers University of Technology

*Unmanned ocean vehicles, a flexible and cost-efficient offshore monitoring and data management approach*

L. Camus, S. Dahle, J. Cook, G. Pedersen, D. Peddie, V.E. Hovstein, P. Fietzek, I. Graves, K. Sørensen, J. Berge, K. Eiane, K.H. Christensen  
Akvaplan-niva

*NuLAB wet chemistry nutrient analyser*

V. Dauben, O. Zenk, K. Carstens, A. Davidov, V. Kelly  
MBT GmbH

*Bonus Integral - Integrated carbon and trace gas monitoring in the Baltic Sea (FLASH)*

A. Wranne Willstrand  
Swedish Meteorological and Hydrographical Institute (SMHI)

*Using FerryBox data to encourage Europeans to take a closer interest in their oceans and to treat them with greater respect and understanding*

T. Kristiansen, A.B. Ledang  
Norwegian Institute for Water Research (NIVA)

*FerryBox data in ecosystem modelling (FLASH)*

R.M. Closter and A.C. Erichsen  
DHI

*Monitoring of Norwegian waters using FerryBox and satellite: the Glomfjord case study (POSTER ONLY)*

S. Marty, P. Jaccard, M. Norli, K. Sørensen  
Norwegian Institute for Water Research (NIVA)

**18:30-20:00 Free time and JERICO-NEXT WP2 and WP5 side meeting**

**20:00 Dinner at Restaurant Grand Buffet (Deck 6 Forward)**

## **Day 2: Wednesday 18 October 2017**

**7:00-9:30: Breakfast at Restaurant Grand Buffet (Deck 6 Forward)**

**9:30-10:00 Session 3: New sensor and sampling technologies** (Chairs: Willi Petersen, HZG; Mohamed Anis Ben Ismail, INSTM)

*MariaBox, a fully automated marine water analytical device for prolonged autonomous operation in the field*

A. Giusti, E. Christoforou, P. Philimis, M. Bonasso, P. Barattini, R. Isticato, S. D'Auria, A. Varriale, I. Maguire, F. Regan, R. Chumbinho, R. McNulty  
Cyprus Research and Innovation Center Ltd (CyRIC)

*Microplastics sampling on FerryBox (FLASH)*

B. van Bavel

Norwegian Institute for Water Research (NIVA)

*FerryBox on Color Fantasy and the introduction to the tour*

K. Sørensen

Norwegian Institute for Water Research (NIVA)

**10:00-10:30 Coffee/tea break**

**(10:00 Color Fantasy arrives in Kiel)**

**10:30-12:30 Tour of Color Fantasy FerryBox systems (groups of ~10), instrument demos, and poster viewing**

**12:30-13:30 Session 3: New sensor and sampling technologies (cont'd)**

*Smart Buoys for Marine Environment Monitoring: The Case of MARIABOX Project*

Z. Theodosiou, M. Milis, A. Kounoudes

SignalGeneriX Ltd

*Flow cytometry and imaging in flow methods facilitate automated observations and monitoring of algal blooms and phytoplankton abundance and diversity in automated platforms*

B. Karlson, S. Anglès, L.F. Artigas, M.L. Brosnahan, F. Colas, V. Creach, R. De Blok, K. Deneudt, W. Eikrem, H. Hällfors, G. Gregori, S. Kielosto, H. Kuosa, L. Laakso, A. Lefebvre, S. Lehtinen, A. Louchart, J. Oja, M. Rijkeboer, J. Seppälä, S. Suikkanen, T. Tamminen, M. Thyssen, L. Tyberghein, G. Wacquet, P. Ylöstalo

Swedish Meteorological and Hydrographical Institute, Oceanography (SMHI)

*Phycoerythrin fluorescence in the Baltic Sea*

J. Seppälä, S. Rytövuori, P. Ylöstalo, J. Ruohola, P. Maunula, S. Kaitala

Marine Research Centre (SYKE)

*Perspectives with genetic sensors for FerryBox-based data observations (FLASH)*

T. Baussant, J. Birch, C. Scholin, and I. Palchetti

International Research Institute of Stavanger (IRIS)

*FerryBox activities in the CLAIM project – monitoring microplastics (FLASH)*

C. Frangoulis, M. Ntoumas, M. Thyssen, U. Lips, S.B. Ismail

Hellenic Centre for Marine Research (HCMR)

**13:30-15:00 Lunch at Restaurant Grand Buffet (Deck 6 Forward)  
(1400 Color Fantasy departs from Kiel)**

**15:00-15:45 Session 3: New sensor and sampling technologies (cont'd)**

*Novel biogeochemical sensors: Operation of a newly developed total alkalinity (TA) analyser in combination with a FerryBox*

Y.G. Voynova, M. Gehrung, and W. Petersen  
Hemholtz-Zentrum Geesthacht (HZG)

*High frequency automated ammonia analysis for coastal water and FerryBox applications*

P. Moschetta, L. Sanfilippo, E. Savino  
SYSTEA SpA

*Robust Sequential Injection Analyser for autonomous Nutrient Analysis (FLASH)*

D. Blandfort and C. Ahlers  
Hemholtz-Zentrum Geesthacht (HZG)

*Measuring ocean velocity with a SOOP-mounted ADCP (FLASH)*

C.M. Aiken and P.A. Ramírez von Holle  
Proyecto FOCA

*Novel, multi-platform acoustic and optical sensors and data services developed in the NeXOS project (2013-2017) (POSTER ONLY)*

L. Golmen and co-authors  
Norwegian Institute for Water Research (NIVA)

**15:45-16:00 Coffee/tea break**

**16:00-17:00 Closing remarks, any other business, plan next workshop**

**17:00-20:00 Free time**

**20:00 Banquet dinner at Oceanic Restaurant Deck 6 Aft)**

## **Day 3: Thursday 19 October 2017**

**7:00-9:30: Breakfast at Restaurant Grand Buffet (Deck 6 Forward)**

**10:00 Arrive in Oslo, disembark**

## **Logistics for 8<sup>th</sup> FerryBox workshop**

**Emergency contact:** Andrew King +47 982 27 725; Marit Norli +47 415 25 913

**Dates:** Tuesday October 17 2017 to Thursday October 19 2017

### **Important times:**

17 October 9:30: Check-in at Color Line terminal opens

17 October 10:30: Early boarding begins

17 October 12:00: Workshop begins

17 October 14:00: Color Fantasy departs from Oslo

18 October 10:00: Color Fantasy arrives in Kiel

18 October 14:00: Color Fantasy departs from Kiel

19 October 10:00: Color Fantasy arrives in Oslo

### **Location**

The workshop will be held on the Color Line M/S Color Fantasy, which hosts NIVA's FerryBox that makes observations in the Skagerrak and North Sea.

**Physical address for Color Line port (where the M/S Color Fantasy will depart from):**

Color Line AS, Hjortnes, PB 1422, Vika, N-0115 Oslo

### **Travel information**

**Northern Europe** - fly to Oslo on the morning of Oct 17 and arrive at Oslo Gardemroen before 10:00.

Return flight from Oslo Gardermoen any time after ~13:00 on Oct 19.

**Southern Europe and beyond** - fly to Oslo on Oct 16, stay at a hotel close to Oslo Central station (Oslo S), go to M/S Color Fantasy on Oct 17. Return flight from Oslo Gardermoen any time after ~13:00 on Oct 19.

**Hotel in Oslo for before/after the meeting** - For hotels, you can use this link to access "corporate" rates with Thon hotels. If you have not stayed at a Thon hotel before, they are a chain of business-oriented hotels that are simple and reasonable. The room rates always come with breakfast. Be aware that sometimes the prepaid options are the better deals! Link:  
[www.thonhotels.com/?firma=TH38679619](http://www.thonhotels.com/?firma=TH38679619)

We suggest that you stay near Oslo Central Train (Oslo S) station so that you can take the train from the airport to Oslo S on 16 Oct, and then on 17 Oct you will easily find a taxi or the Color Line bus to the port. Thon hotels close to Oslo S include: Thon Hotel Astoria, Thon Hotel Terminus, and Thon Hotel Spectrum

### **Getting to/from the Color Fantasy port**

**From the airport** - Take taxi to Color Line port **or** take the Flytoget or NSB train to Oslo S, then a taxi to the port

**From Central Oslo** - Take taxi to Color Line port

### **Notes for day of departure (17 October 2017)**

The **check-in counter** at the Color Line terminal opens at 9:30. Go to the **group check-in counter** which is on the right side of the counters on the 1<sup>st</sup> floor of the terminal. Just in case you need it, the **booking number is: HAC9979**. Please check-in here, get your boarding materials, and head upstairs to the waiting area. There will be a **FerryBox Workshop check-in table** in the 2<sup>nd</sup> floor waiting area. Here you will pick up your name tag and meeting materials.

At 10:30, you may begin early boarding. Note that your cabin might not be ready for check-in until later. Please head up to the conference area on Deck 12. There will be a storage room for storing your luggage until your cabin is ready. There will also be coffee/tea, snacks, and baguettes available. Please eat baguettes as lunch will not be served until 13:45!

If you are a company, a table marked with your company name will be ready for you to setup your booth material.

### **Notes for the entire stay**

All meals are included with the workshop registration fee. The meal times and locations are listed in the Agenda. Breakfast is served at 7:00, lunch at 13:30, and dinner at 20:00. All meals will be at the Grand Buffet Restaurant (Deck 6 Forward), except for dinner on the last night that will be in the Oceanic Restaurant (Deck 6 Aft). Both dining rooms are accessed from the Promenade on Deck 7 Also included is the coffee/tea and fruit/snacks in the conference room area – these are available throughout the meeting. There are various other cafes, bars, pubs, nightclubs, and lounges throughout the ship where drinks and food can be purchased out-of-pocket.

Wireless internet access (WiFi) is included with the workshop registration fee. This should be available throughout the ship, but the connection strength may vary depending on where we are in the cruise route.

There are various entertainment and relaxation options while the Workshop is not in session. As mentioned earlier, there are various eating and drinking venues throughout the ship. There are also various shops (including duty free), a casino (1 NOK and up :D), a golf simulator (320 NOK), fitness center/jacuzzi/spa (100 NOK and up), and an Aqualand waterpark (79 NOK). These are unfortunately not included in the registration fee and must be paid for out-of-pocket – you may pay with NOK, Euro, or credit card. More information about these options and prices can be found here:

<https://www.colorline.com/kiel-oslo>

There are evening shows that are included in the registration fee. There will be performances at 19:00 and 21:00 on both nights. The show on the first night is called “Galaxy” and on the second night it is called “Vegas Nights”. Doors open 30 minutes prior to the show, so the 19:00 show will likely fit best with our Workshop session and dining schedule. More information about the shows can be found in the link above.