

Thursday 17 September

Venue: OGS SANTA CROCE - OCE/BIO & GRIGNANO MARINA

08.15

Transport of participants to Grignano Marina where half of them will embark to carry out activities at sea - Paolo Mansutti, Alessandro Bubbi, Stefano Kuchler, Giuseppe Siena and Manuel Bensi (OGS)

Rest of participants will be taken to the OCE-BIO headquarters

09.00 – 10.30

pCO₂: Instrument measurements. Methodological approach (First Group) - Michele Giani (OGS)

10.30 – 11.00

Coffee break

11.00 – 13.00

Laboratory measurements: pH and alkalinity. (First Group) - Michele Giani and Lidia Urbini (OGS)

13.00 – 14.00

Lunch

14.00

Depart of the second group towards Grignano Marina to carry out activities at sea

14.00 – 15.30

pCO₂: Instrument measurements. Methodological approach (Second Group) - Michele Giani (OGS)

15.30 – 16.00

Coffee Break

16.00 – 18.00 Laboratory measurements: pH and alkalinity (Second Group) - Michele Giani (OGS) and Lidia Urbini

18.00

Back to the city by bus with intermediate stop at Grignano Marina

Dinner in restaurant

Organized by

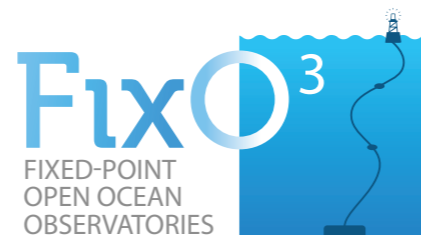


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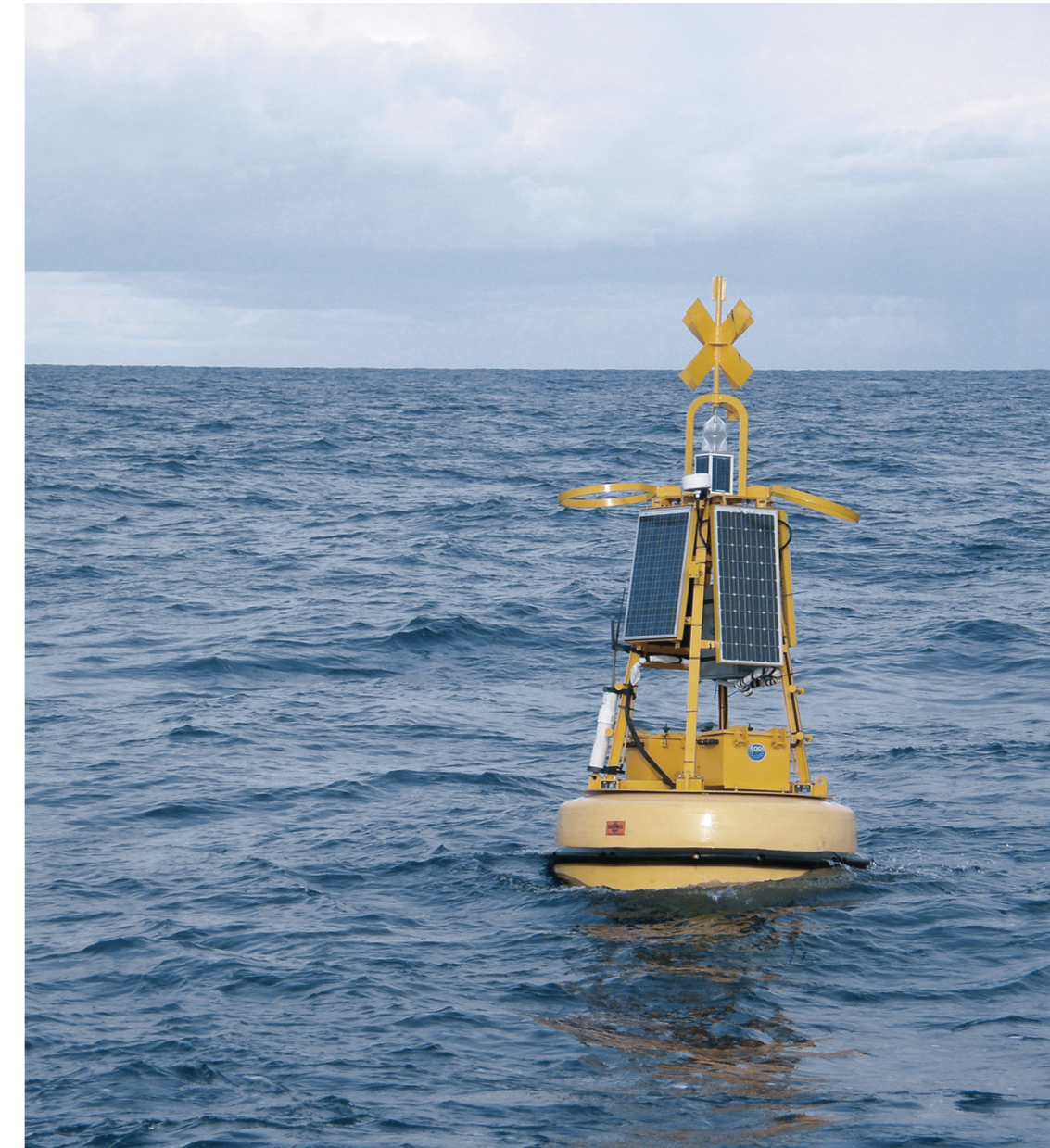
Within the framework of



Workshop on training



for less experienced users of hardware



Trieste, September 15-17 2015
Istituto Nazionale di Oceanografia e di Geofisica Sperimentale - OGS

Workshop on training for less experienced users of hardware

Trieste, September 15 – 17 2015

A three-day training course is organised at OGS (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale) in Trieste, Italy for existing and novel instruments mainly focusing on biochemical measurements on carbonate species, sensors for ocean acidification, fluorometers, and automatic nitrate measurements.

The course aims to promote and to disseminate the FixO3 label to a wider group of responsible engaged in meteo-marine observation.

The training is target to less experienced users of hardware from various countries but also engages participants from outside the FixO3 partnership and non-EU partners.

The training focuses on all steps of the use of the instruments from the calibration process and its set up to the downloading phase and data conversion process.

The 3-day workshop takes place across various locations including the main building, laboratory, maintenance operations at locally deployed buoy (weather permitting).

The primary sessions in the workshop cover:

- Methodologies of measurements of basic parameters;
- Overview of hardware and monitoring;
- Importance of accurate observational data;
- Calibration best practices and practical workshop;
- Data Quality Control;
- Demonstration of the deployment observational platforms and visit to the locally deployed buoy.

Monday 14 September

Arrival of participants

Dinner in restaurant

Tuesday 15 September

Venue: OGS Headquarters Borgo Grotta Gigante - Michelato Hall

08.15

Transport by bus of participants to OGS Headquarters

09.00 – 09.15

Welcome by the OGS representatives

09.15 – 10.30

Introduction to ocean measurements. Open Ocean Observatories - Vanessa Cardin (OGS)

10.30 – 11.00

Coffee break

11.00 – 12.30

Best practices related to mooring set-up. Mooring configuration and CTD measurements. Data Quality Control - Manuel Bensi and Giuseppe Siena (OGS)

12.30 – 13.30

Lunch

13.30 – 14.30

Current Measurements. Current-meter and ADCP: principles of operation and applications - Laura Ursella (OGS)

14.30 – 15.30

Instruments set-up and applications - Manuel Bensi, Giuseppe Siena and Davide Deponte (OGS)

15.30 – 16.00

Coffee break

16.00 – 17.30

Visit and practice at the OGS Oceanographic Calibration Centre - Rajesh Nair and Cinzia Comici (OGS)

Transport by bus of participants to the city

Dinner in restaurant

Wednesday 16 September

Venue: OGS SANTA CROCE - OCE/BIO Department

08.30

Transport of the participants to OGS - Santa Croce

09.00 – 10.30

Oxygen measurements: why and when? - Anders Tengberg (Aanderaa and UGOT)

10.30 – 11.00

Coffee break

11.00 – 13.00

Oxygen measurements: how? Sensors inside and out with hands on demonstration and trials - Anders Tengberg (Aanderaa and UGOT)

13.00 – 14.00

Lunch

14.00 – 15.30

pH measurements - Melchor Gonzales Davila (University of Las Palmas)

15.30 – 16.00

Coffee break

16.00 – 18.00

pH measurements - Melchor Gonzales Davila (University of Las Palmas)

Social Dinner