



5th Euro-Argo User Workshop

Brest, March 16-17 2015

Agenda

**Location: IFREMER, Brest, France
Lucien Laubier Conference Room**



Aims of the workshop

- To bring together the users of Argo data and other complementary observations, for operational oceanography and studies of the circulation and physical and biogeochemical properties of the oceans.
- To stimulate research using Argo data, especially in combination with other data types and models.
- To allow users to widen their experience of the Euro-Argo community, welcome young scientists into that community and encourage their use of Argo data.
- To further increase the visibility of the Argo Programme beyond its core uses in physical oceanography and climate research.
- To provide an opportunity for users of Argo data to participate in discussions of how Argo should evolve within Europe and globally.

Conveners

The scientific program and organising committee includes representatives from the Euro-Argo Scientific and Technical Advisory Group:

M. Balmaseda (ECMWF, UK), H. Claustre (LOV, France), H. Heinrich (BSH, Germany), J. Johannessen (NERSC, Norway), B. Klein (BSH, Germany), A. Kortzinger (GEOMAR, Germany), P.Y. Le Traon (Ifremer, France), G. Maze (Ifremer, France), P.M. Poulain (OGS, Italy), J. Turton (Met Office, UK), S. Wijffels (CSIRO, Australia).

Contact

For further information regarding the workshop agenda or the logistical issues please contact Francine Loubrieu (euroargo@ifremer.fr).

WebSite

<http://www.euro-argo.eu/News-Meetings/News/5th-Euro-Argo-User-Workshop>



Session Overview and Detailed Agenda

| Monday 16th March 2015 – Conference Room Lucien Laubier | | |
|---|--|---------------------------------------|
| Time | Item | Speaker |
| 13:30 | Registration in the Hall of the Conference Room | |
| Opening session | | |
| 14:00 | Welcome from Ifremer | P-Y. Le Traon, Ifremer, France |
| 14:20 | Argo International | S. Wijffels, CSIRO, Australia |
| 14:40 | Euro-Argo | S. Pouliquen, Ifremer, France |
| Session 1: Ocean Circulation and water masses | | |
| Chair: G. Maze | | |
| 15:00 | 20-year Increase of the South Pacific Gyre Circulation | D. Roemmich, SCRIPPS, USA |
| 15:20 | The Madagascar dipoles from Argo profiling floats and altimetry measurements | B. Aguiar-González, NIOZ, Netherlands |
| 15:40 | Assessment of the ocean observing system in the Equatorial Pacific: The role of Argo in resolving intraseasonal to interannual variability | F. Gasparin, SCRIPPS, USA |
| 16:00 | Coffee Break in the Hall of the Conference Room (poster session) | |
| 16:30 | Using Gaussian Mixture Model to characterise the North Atlantic climatology and variability | G. Maze, Ifremer, France |
| 16:50 | Genesis and spatial extension of 1000m deep convection event in the Irminger sea in 2011 - 2012 revealed by Argo floats | A. Piron, L.P.O France |
| 17:10 | A complex North Atlantic permanent pycnocline revealed by Argo data | C. Feucher, L.P.O, France |
| 17:30 | Euro-Argo ERIC Offices inauguration | |
| 18:30 | Cocktail in the Hall of the Conference Room | |



| Tuesday 17th March 2015 – Conference Room Lucien Laubier | | |
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| Time | Item | Speaker |
| Session 1: Ocean Circulation and water masses | | |
| Chair: G. Maze | | |
| 09:00 | Impact of the ARGO array in the Mercator Ocean global ocean analysis and forecasting system | Drévilion & al., Mercator-Océan, France |
| Session 2: Bio-argo | | |
| Chair: G. Dall'Olmo | | |
| 09:20 | Mixed versus Mixing layer depth: a Bio-Argo float approach | L. Lacour, LOV, France |
| 09:40 | Is the Seasonal Mixed Layer Carbon Pump an Important Component of the Ocean Carbon Cycle? | G. Dall'Olmo, PML, UK |
| 10:00 | Carbon cycling during the spring bloom in the Southern Ocean observed by the SOCCOM profiling float array | K. Johnson, Monterey Bay Aquarium Research Institute |
| 10:20 | Study of the plankton ecosystem variability using Modelling and Bio-Argo floats deployment in the Mediterranean Sea | F. Kessouri, Univ. Paul Sabatier, Lab. d'Aérodologie, France |
| 10:40 | Coffee Break in the Hall of the Conference Room (poster session) | |
| 11:10 | How Bio-Argo profiling floats can help to improve our understanding of mean chlorophyll seasonal distribution? A case study in the Mediterranean Sea | H. Lavigne, OGS, Italy |
| 11:30 | Seasonal variability of nutrient concentrations in the Mediterranean Sea: Contribution of Bio-Argo floats | O. Pasqueron de Fommervault, LOV, France |
| Session 3: Marginal seas and high latitudes | | |
| Chair: P-M. Poulain | | |
| 11:50 | Spreading of Polar Water Masses into the Nordic Seas - Analyses of hydrographic measurements from Seagliders and Argo floats | K. Latarius, AWI, Germany |
| 12:10 | Cooling of the Atlantic Water in the Fram Strait observed with the Argo floats | I. Goszczko, IOPAS, Poland |
| 12:30 | Argo activities in the Baltic Sea | S.M. Siiriä, FMI, Finland |
| 13:00 | Lunch at the IFREMER Canteen | |



| Tuesday 17th March 2015 – Conference Room Lucien Laubier | | |
|---|--|-----------------------------|
| Time | Item | Speaker |
| 14:30 | Changes in hydrological properties of the Mediterranean Sea over the last 10 years with focus on the Levantine Intermediate Water and the Atlantic Water | G. Notarstefano, OGS, Italy |
| 14:40 | Hydrological variability of the Eastern Ionian and Adriatic Seas derived from two new Argo missions in 2014 | D. Kassis, HCMR, Greece |
| Session 4: Round Tables | | |
| 15:00 | Implementation of Argo in European Marginal Seas | |
| 15:30 | Thoughts about a Deep-Argo strategy | |
| 16:00 | Bio-Argo | |
| 16:30 | What are the requirements on Argo data system enhancements? | |



Posters

| TITLE | AUTHORS |
|---|---|
| Seasonal dynamics of bio-optical properties in various hydrological and trophic conditions: An illustration of the potential of Bio-Argo floats in biogeochemical studies. | Barbieux M., UPMC-CNRS, France |
| An increasing number of observations show a long-term drift of oxygen optodes. | Bittig H., GEOMAR, Germany |
| Deep Arvor & Arvor Provor 2015 update | Sagot J., NKE-Instrumentation, France |
| New Sea water optical density sensor: NOSS | Malardé D., NKE-Instrumentation, France |
| Mixed-Layer Salinity Budget in the Tropical Indian Ocean: Seasonal cycle based only on Observations | Da-Allada C., Ifremer/LPO, France |
| Role of fronts in the formation of Arabian Sea barrier layers during summer monsoon | de Boyer Montegut C., Ifremer, France |
| An improved method for automatic quality check procedures with locally based criterion | Gourrion J., Ifremer, France |
| Analyses of altimetry errors using Argo and GRACE data | Legeais J.F., CLS, France |
| Exploitation of bio-Argo floats as support for bio-regions definition | Mangin A., ACRI-HE, France |
| Combining Bio-Argo floats with other observing platforms (Bio-Gliders, satellite, cruises) to evaluate physical biogeochemical interactions in the North Western Mediterranean Sea. | Mayot N., LOV, France |



| TITLE | AUTHORS |
|--|---------------------------------------|
| Radiometry from Bio-Argo floats: quality-control, first products and synergy with satellite missions | Organelli E., LOV, France |
| A new PROVOR float for new applications: Example of the ProVal and ProIce floats | Penkerc'h C., LOV, France |
| Is it possible to extract information related to sea-state from anArgo float? | Poteau A., UPMC Univ Paris 06, France |
| Retrieval of vertical distribution of chlorophyll A concentration: a neural network-based method using merged satellite and Argo data. | Sauzède R., LOV, France |
| Bio-Argo floats : Data management in progress | Schmechtig C., CNRS, France |



Instructions to speakers and participants

[Access to IFREMER SITE](#) is restricted to people pre-registered using the online workshop registration system, and presenting an original valid form of ID at the security Gate.

Registration: The registration desk will be open at 13:30 am on March 16th. You will be issued with **the official workshop badge** valid for the duration of the event [which should be worn at all times](#).

Our meeting room is the Lucien Laubier Conference Room.

POSTERS: Posters will be displayed in the Hall of the Lucien Laubier Conference Room

ORIENTATION: PORTRAIT (AO format max)

Height: 150cm

Width: 80cm

ORAL PRESENTATIONS: Bring your visual supports on a USB key and make sure that your presentation will be uploaded ahead of your session.

Coffee breaks: will take place in the Hall.

Lunch on March 17th at the IFREMER restaurant. Tickets will be available during the coffee break (morning).

Note that only cash euros will be accepted.

Ticket = 8,00 € (including main course, 1 drink).

Phone point during the meeting

Urgent messages can be sent to participants at the Euro-Argo ERIC secretary
+33 (0)2 98 22 44 83 or Ifremer Switchboard + 33 (0)2 98 22 40 40
euroargo@ifremer.fr