

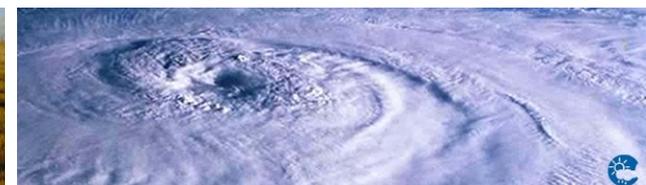
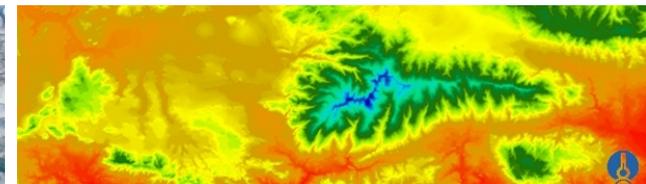
# ENEON first workshop

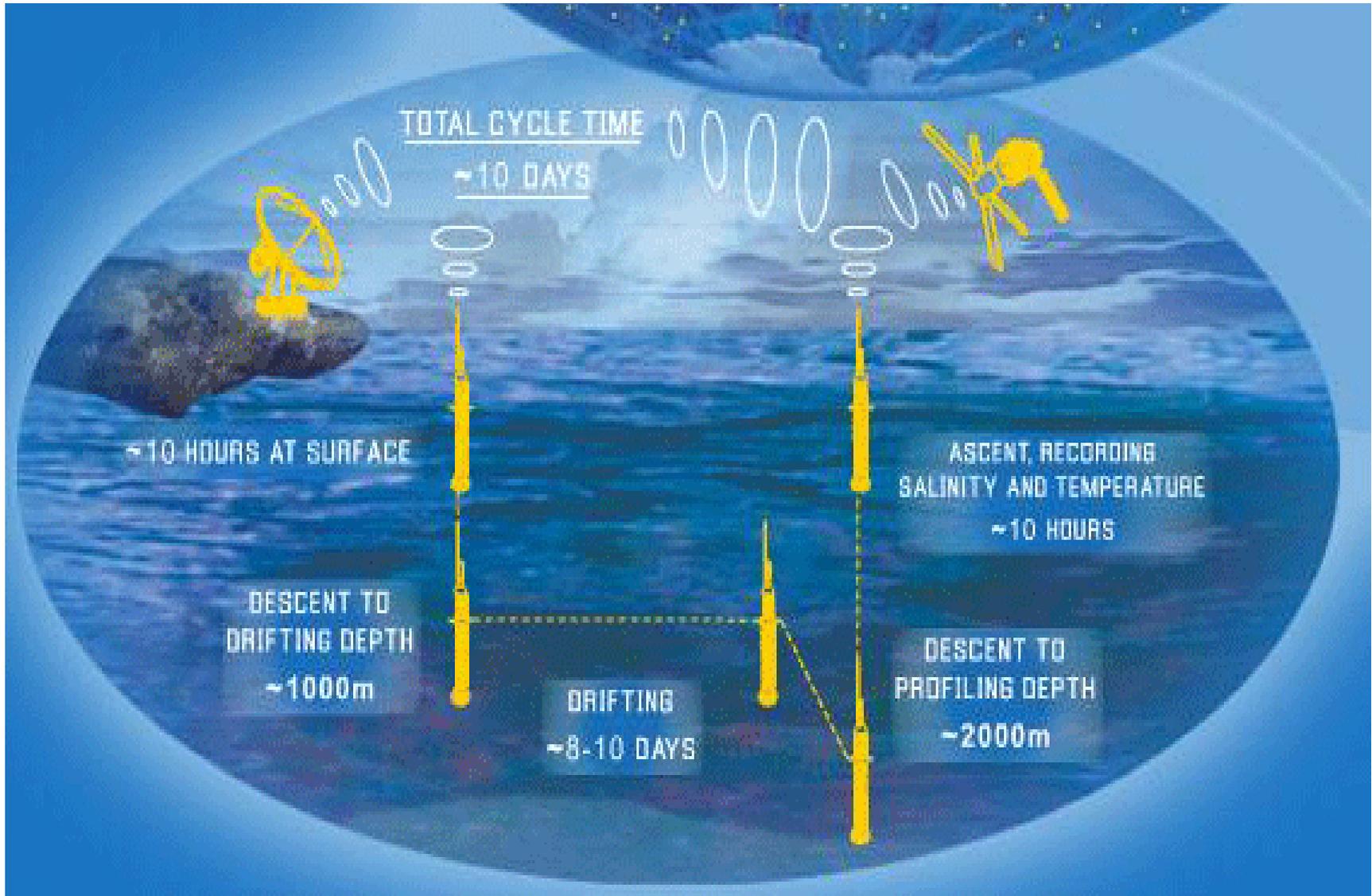
## Observing Europe: Networking the Earth Observation Networks in Europe

21-22 September, Paris

**Argo/EuroARGO ERIC**

**T. Loubrieu on behalf of S. Pouliquen**  
**Sylvie.Pouliquen@ifremer.fr)**







## Euro-ARGO

- 1.1 **Role:** Sylvie Pouliquen is program manager
- 1.2 **Objective:** ensure a long term European contribution to Argo
- 1.3 **Contributors:** Finland, France, Germany, Greece, Italy, Netherlands, United Kingdom, Norway, Poland (Planned Spain, Bulgaria, Ireland)
- 1.4 **commitment:**  $\frac{1}{4}$  of global array which is 3000 profiling floats at sea.
- 1.5 several thousands of **users**, partly through Copernicus.

## Network

- 1.6 **user requirement management:** Open data Policy is a requirement from Argo International - formal user requirement through Argo International Steering team and Copernicus Marine Service.
- 1.7 **costs and efforts:** 250K and 3 persons and Central Infrastructure complemented by National programs
- 1.8 **Funding sources:** Member states complemented by EC through projects ( DG-Mare, DG-Research, DG-Growth). Working with EC to get sustainability of the EU funds
- 1.9 **Key issues for sustainability:** demonstrate the societal benefits of Argo, integration with other networks of GOOS, fulfil Copernicus and EMODNET requirements.

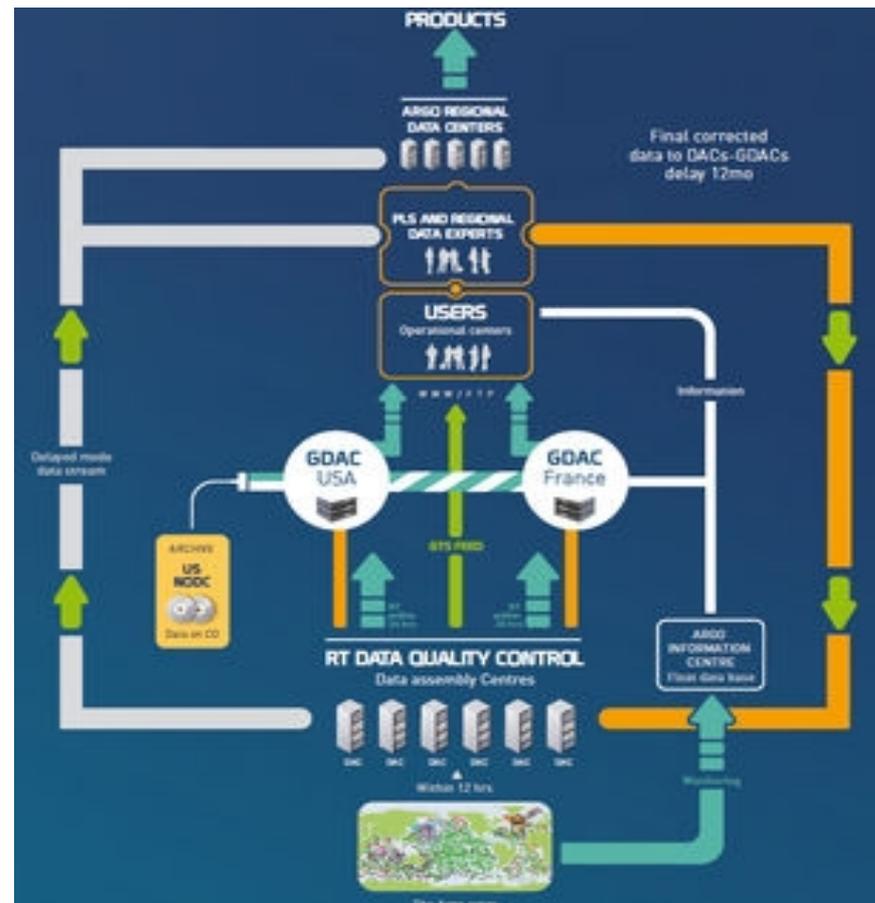


## Data (1/2)

- 2.1 Observations:** mostly Temperature and salinity vertical profiles of ocean water-column from 2000m depth. Delayed mode, currents, mixed layer depths computed as products.
- 2.2 Coverage:** Since 2000 to present. Global coverage.
- 2.3 Data management:** 2 data centres (UK+France) + ARGO international data management system.
- 2.4 Quality** procedures are strictly coordinated and homogeneous in real time and delayed mode.
- 2.5 Data continuity:** 2 global replicated data centres + US-NODC for archive.



- 724 Floats** June 2015
- Argo (non EU) (3 157)
  - FRANCE (338)
  - ITALY (44)
  - NORWAY (9)
  - TURKEY (3)
  - BULGARIA (3)
  - GERMANY (119)
  - LEBANON (0)
  - POLAND (0)
  - UNITED KINGDOM (100)
  - EUROPEAN UNION (5)
  - GREECE (6)
  - MAURITIUS (7)
  - SPAIN (13)
  - FINLAND (5)
  - IRELAND (7)
  - NETHERLANDS (15)
  - SWEDEN (0)
- 



## Data (2/2)

- 2.6 **data access** is free. Citation is requested (DOIs available).
- 2.7 **interfaces**: mostly ad-hoc standards based on netcdf format.
- 2.8 **new requirements**: bio-geo-chemical observation, deep-sea (below 2000m depth), higher surface resolution (SST).
- 2.9 **additional useful observations**: research vessel based observations used as reference datasets for delayed mode processing

# Interfaces

## 3.1 Interfaces with other networks:

international ARGO and Copernicus through CORIOLIS.

## 3.2 GEOSS contribution: unknown

3.3 **interface improvement:** proper Spatial Data Infrastructure standards for discovery/view/download would be welcome. Tools are available (geonetwork, oceanotron), but not a priority in the project. SWE under development (Atlantos).

3.4 **ENEON benefit:** see SeaDataNet slides

3.5 **ENEON organization:** see SeaDataNet slides