

# **ENEON first workshop**

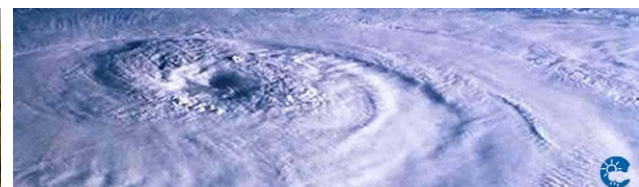
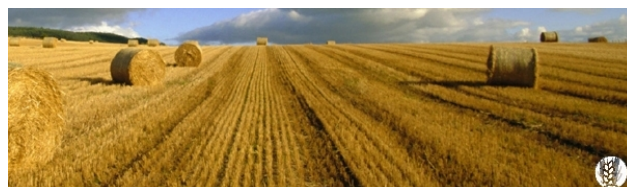
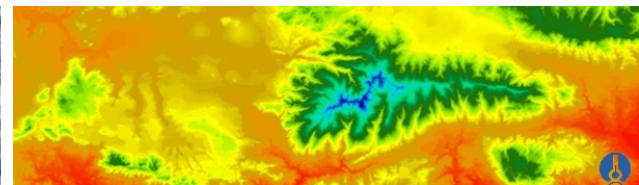
## *Observing Europe: Networking the Earth Observation Networks in Europe*

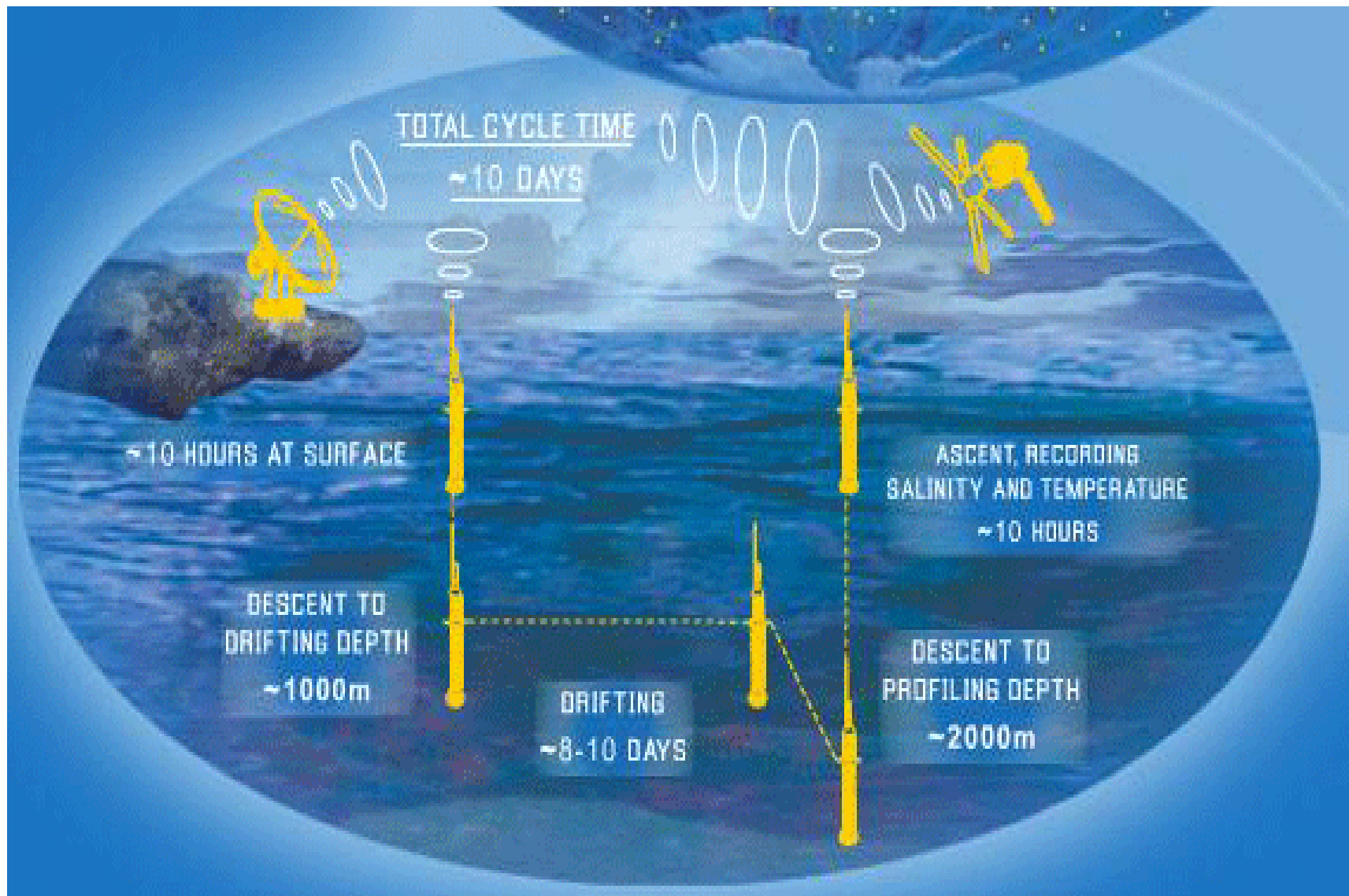
*21-22 September, Paris*

**Argo/EuroARGO ERIC**

**T. Loubrieu on behalf of S. Pouliquen**

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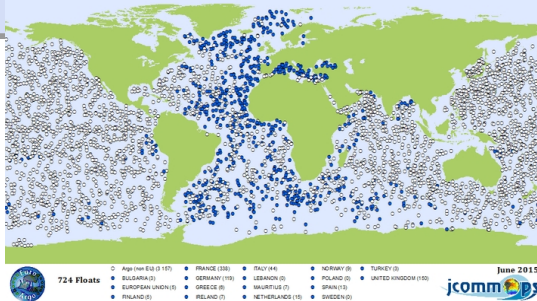


## Euro-ARGO

- 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

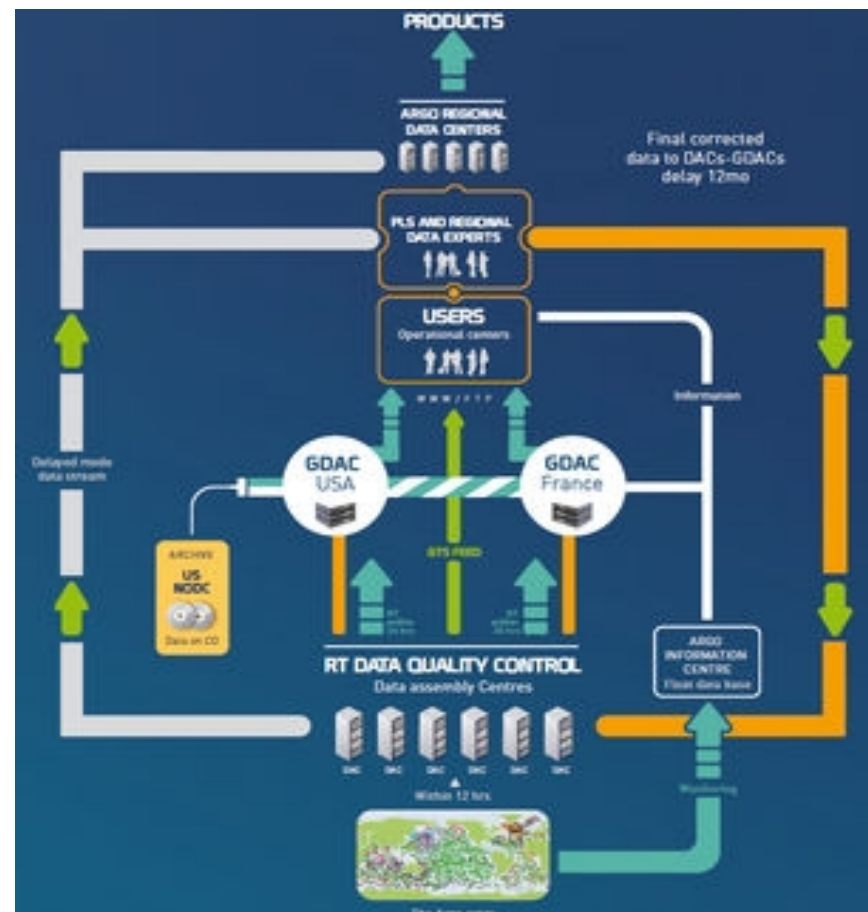
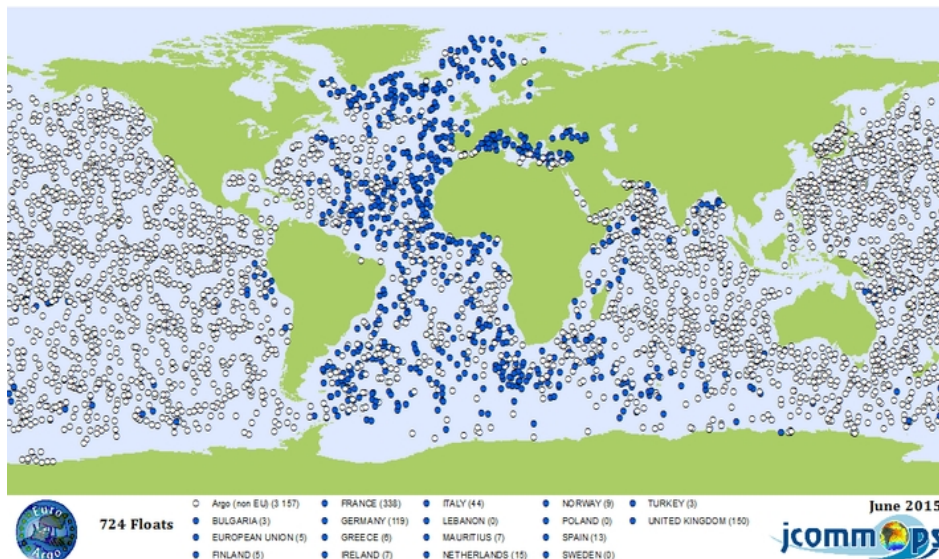
- 1.6 **user requirement management:** Open data Policy is a requirement from Argo International - formal user requirement through Argo International Steering team and Copernicus Marine Service.
- 1.7 **costs and efforts:** 250K and 3 persons and Central Infrastructure complemented by National programs
- 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.





## 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