

# Towards a new phase for Euro-Argo Programme: Euro-Argo RISE Project



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## 1 THE EURO-ARGO PROGRAMME

Argo international programme:



~ 4000 Argo floats  
 → *In situ* ocean subsurface parameters



→ Real Time Data  
 → Delayed Mode Data

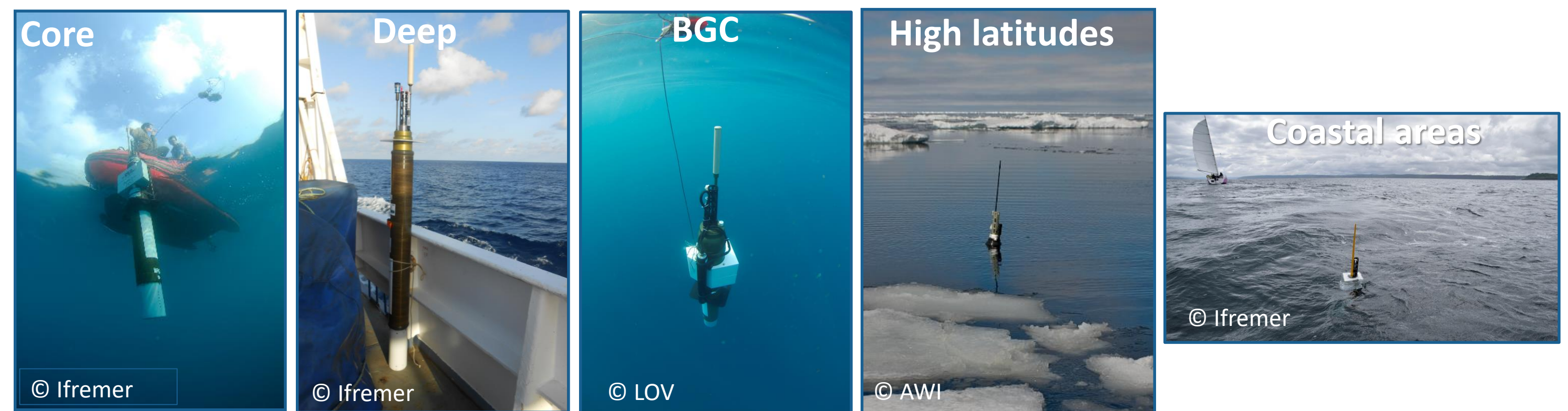
Euro-Argo programme:

Sustains European contribution of one quarter of the global array



## 2 EURO-ARGO RISE PROJECT: OBJECTIVES

At the European level, **enhance** and **extend** the capacity of the Argo network to provide essential ocean observations.

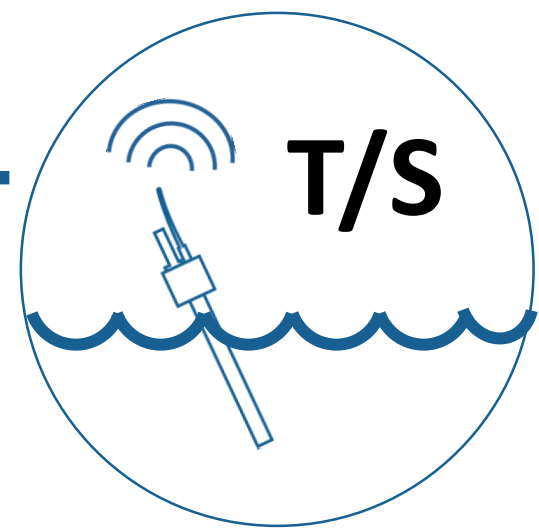


**CHALLENGES:**

- Technological
- Financial
- Operational
- Scientific

## 3 PLANNED WORK AND EXPECTED MAIN OUTCOMES

WP2

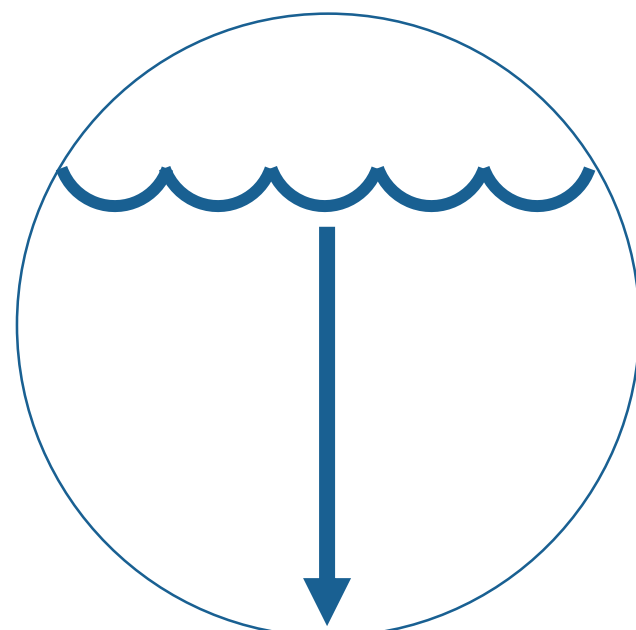


IMPROVEMENT OF THE CORE ARGO MISSION

- Floats lifetime & sensors' diversity
- Argo observation of boundary current regions
- Enhancement of DMQC\* methods

Research and Innovation action implemented during 4 years:

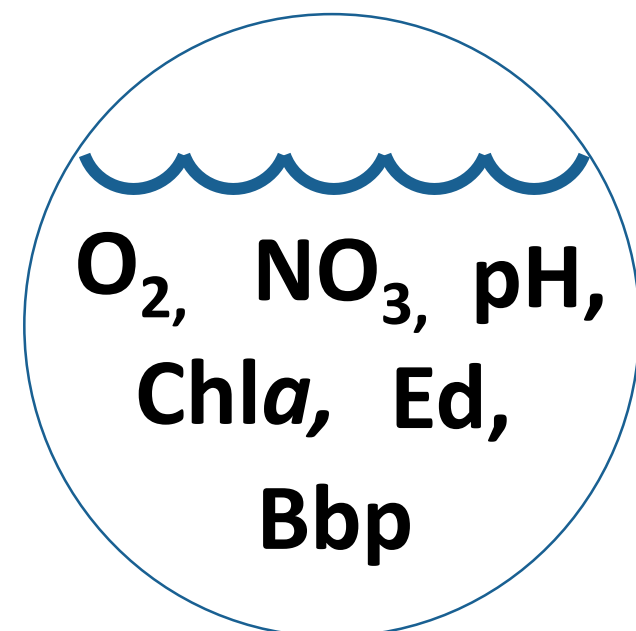
- By 19 partners
- In 13 countries
- + Manufacturers collaboration & stakeholders engagement



WP3

EXTENSION TO DEEP OCEAN

- Address sensors' accuracy & test new sensors
- Develop the DMQC\* methods



WP4

EXTENSION TO BIOGEOCHEMICAL PARAMETERS

- New BGC sensors and products development
- BGC Data Management development & organisation



WP5

EXTENSION TO HIGH LATITUDES

- New technologies for under-ice measurements
- Cooperation with high latitude countries
- Southern Ocean regional data quality assessments



WP6

EXTENSION TO MARGINAL SEAS

- Assess the potential of Argo in shallow coastal seas
- Develop regional partnership around Mediterranean, Baltic and Black Seas
- Engage with neighbouring countries



WP7 & 8

EURO-ARGO VISIBILITY & INTEGRATION OF EURO-ARGO ACTIVITIES IN THE GENERAL CONTEXT OF GOOS\* AND EOOS\*

**EXPECTED MAIN OUTCOMES:**

- Allow Europe to timely develop its contribution to the new Argo design and **engage with new teams**
- Set up and organise **on the long term** the new components
- **Secure and extend** the current network

\* Acronyms for:  
 DMQC: Delayed Mode Quality Control  
 GOOS: Global Ocean Observing System  
 EOOS: European Ocean Observing System

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