EuroGOOS

European Global Ocean Observing System

Euro-Argo Task Team

S Pouliquen / Euro-Argo ERIC

19-20 November 2019 Brussels

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Integration workshop

Strengths Euro-Argo Task Team (Summarise what you believe works well at present)

- Set up as an ERIC since 2014 : European Legal entity with engagement at the level of the Country
- Structured governance with
  - A council with representative of Ministries
  - A Management board with representative if the national Argo institutes
  - An ERIC office with a team to support the development of Argo in Europe
- A well organized data system that guaranty that all European float are processed and delivered to the user community as agreed in Argo International
- An annual evaluation by an outside Scientific and Technical Committee (STAG) as well as 5 year evaluation with reporting to EC
- 1 Strategy for the next decade and a work plan for the next fine years approved by the Council

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Weaknesses of Euro-Argo Task Team (Summarise what you believe needs improvement at present)

- Increase life time of the floats to be able to compensate to the cost of the extensions to abyssal ocean, high latitudes , marginal seas and biogeochemical variables
- Develop sensors at European level for the 8 Argo variables (T S O2 CHL-a bbp Nitrate pH Radiometry) to have alternative to Seabird monopoly
- Develop, first in marginal seas , recovery strategy to reduce environmental impact and also reduce cost by redeploying the floats after re-calibration and battery change
- Enhance the Core Argo data system to process the extension to Argo with the same level of quality
- Develop a Long Term sustainability plan for the new Argo design with Euro-Argo ERIC ministries and European Commission

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Opportunites for Euro-Argo Task Team (Summarise what you believe represent significant opportunities to deliver on the objectives of Euro-Argo Task Team)

- Argo with its extensions can provide important observations in poorly sampled areas (high latitudes , some marginal seas) or for ecosystem monitoring => enhance knowledge
- Argo has to develop in Europe with an integrated Observing System design for operational users (CMEMS , National services, weather forecasting services) => enhance services

Possible synergies/prospects for cooperation with other ROOS, WG and TT

- Enhance technology
  - High latitude: need collaboration with Arctic ROOS and BOOS
  - In marginal seas testing the technology closer to the cost in link with BOOS , MONGOOS and BlackSea GOOS
- Develop synergy
  - For BGC with all ROOS and Ferrybox TT and ICOS,
  - with Glider, EMSO and Animal –borne has to be assessed and fostered
- Contribution to Jerico-S3 in coastal areas is essential

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Threats to Euro-Argo Task Team (Outline key possible threats that would limit the ability of Euro-Argo Task Team at present or in the near future (2-3 year timescale))

- The new Argo design is 3 times the cost of the original one => presently developing through research projects => sustainability is a challenge and will require ministries and EC engagement .
- The Argo platform is efficient and low cost but data processing is short in man power to manage all the possible extensions: => secure Data Management funding with float procurement

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How can the EuroGOOS Office better service the needs of Euro-Argo TT?

- EuroGOOS office is involved in the Scientific Technical Advisory Group to make the link between EuroGOOS and Euro-Argo
- Translate EuroGOOS user needs into recommendations for Euro-Argo implementation plan:
  - where are the main areas to be sampled by Argo or other platforms (EOOS design..)
  - Help identify areas where joint activities could be fostered though joint actions (move together rather than compete …) and help it to happen