



CMEMS INSTAC - EMODnet Physics MoU Status & Plans for 2020/2021

20th April 2020

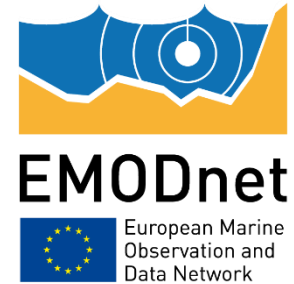
Sylvie Pouliquen
Antonio Novellino





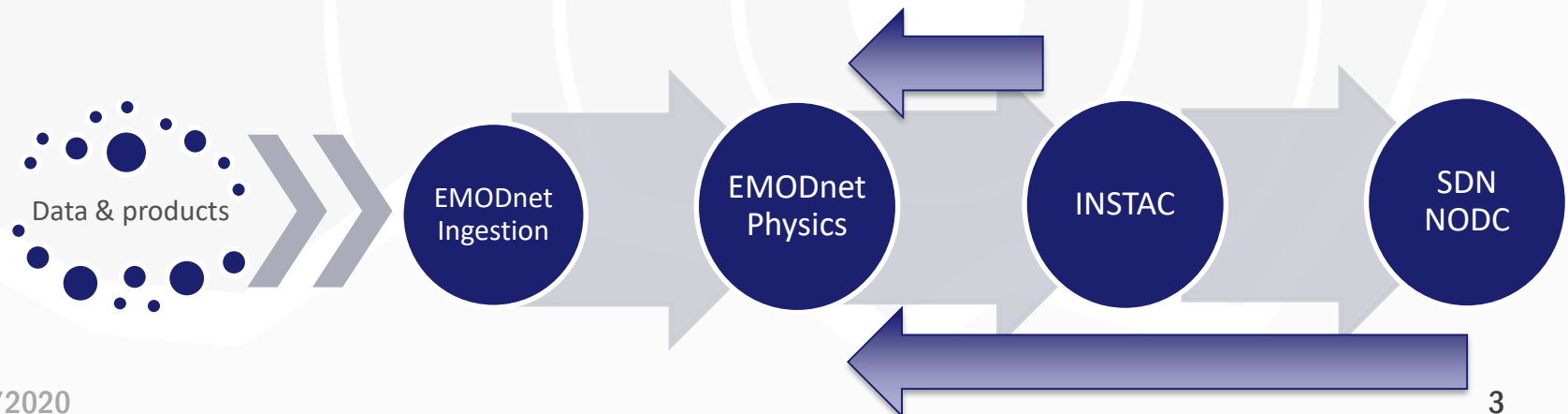
EMODnet Physics – CMEMS INSTAC planned activities are:

- Keep working on a common framework for data ingestion /connection and use and reuse in the European infrastructures
- We are all promoting a common (nrt) flow that is (whenever possible/reasonable – parameter dependent) Data ingestion → Physics → INSTAC → SDN



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INGESTION

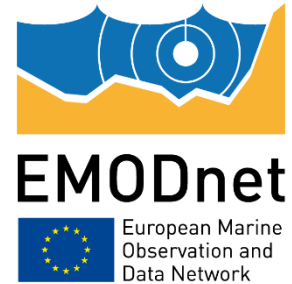


- 📡 CMEMS INSTAC, EMODnet-Ingestion, and EMODnet-Physics investigate and detect public data sources not yet available though EMODnet-Physics and build agreement with the providers

When a new dataset is identified – according the typology of the data the proper ingestion route is adopted, e.g. if it is an Operational data for the variables managed by CMEMS-INSTAC - the ingestion is done @ CMEMS-INSTAC level and the CMEMS-INSTAC service desk is involved. If it is an Operation data for variables not managed by CMEMS-INSTAC – the ingestion is done @ Physics/Ingestion level. If data is a scientific historical/archive data either ingestion + SeaDataNet, or Ingestion+CMEMS are involved



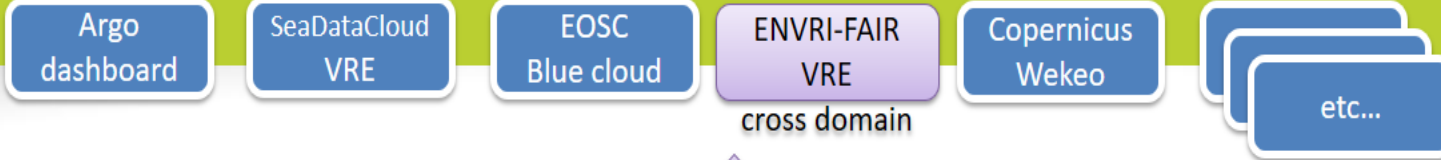
FAIRfication



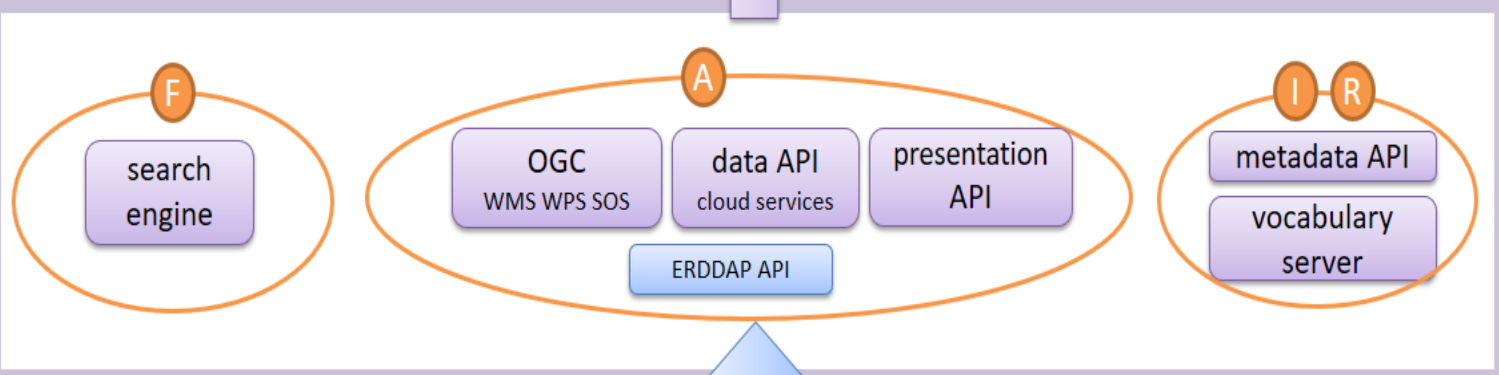
- ⦿ CMEMS, SDN and Physics are working and promoting FAIR
- ⦿ CMEMS and SND are more specifically working on reformat with **FAIR** marine domain standards and QCs
- ⦿ this FAIRification process may initially introduce a delay:
 - ⦿ RT DataStream are temporarily available via EMODnet-Physics
 - ⦿ as soon as CMEMS-INSTAC or SeaDataNet are ready to host/ingest data is transferred and Physics re-link the data from its pillars
- ⦿ Examples:
 - ⦿ HF-radar data,
 - ⦿ Sairdrone data,
 - ⦿ Delayed mode waves



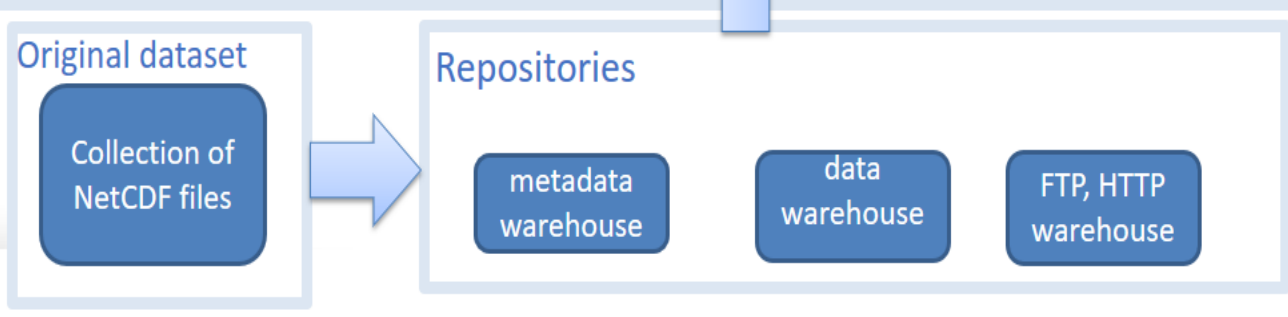
ENVRI-FAIR Marine Domain implementation plan



Front office
Stakeholders services:
EOSC Blue cloud,
Copernicus, EMODNET,
Argo...



Back office
Machine-to-machine
services Implementation
plan within ENVRI-FAIR
for
F A I R
enhancements

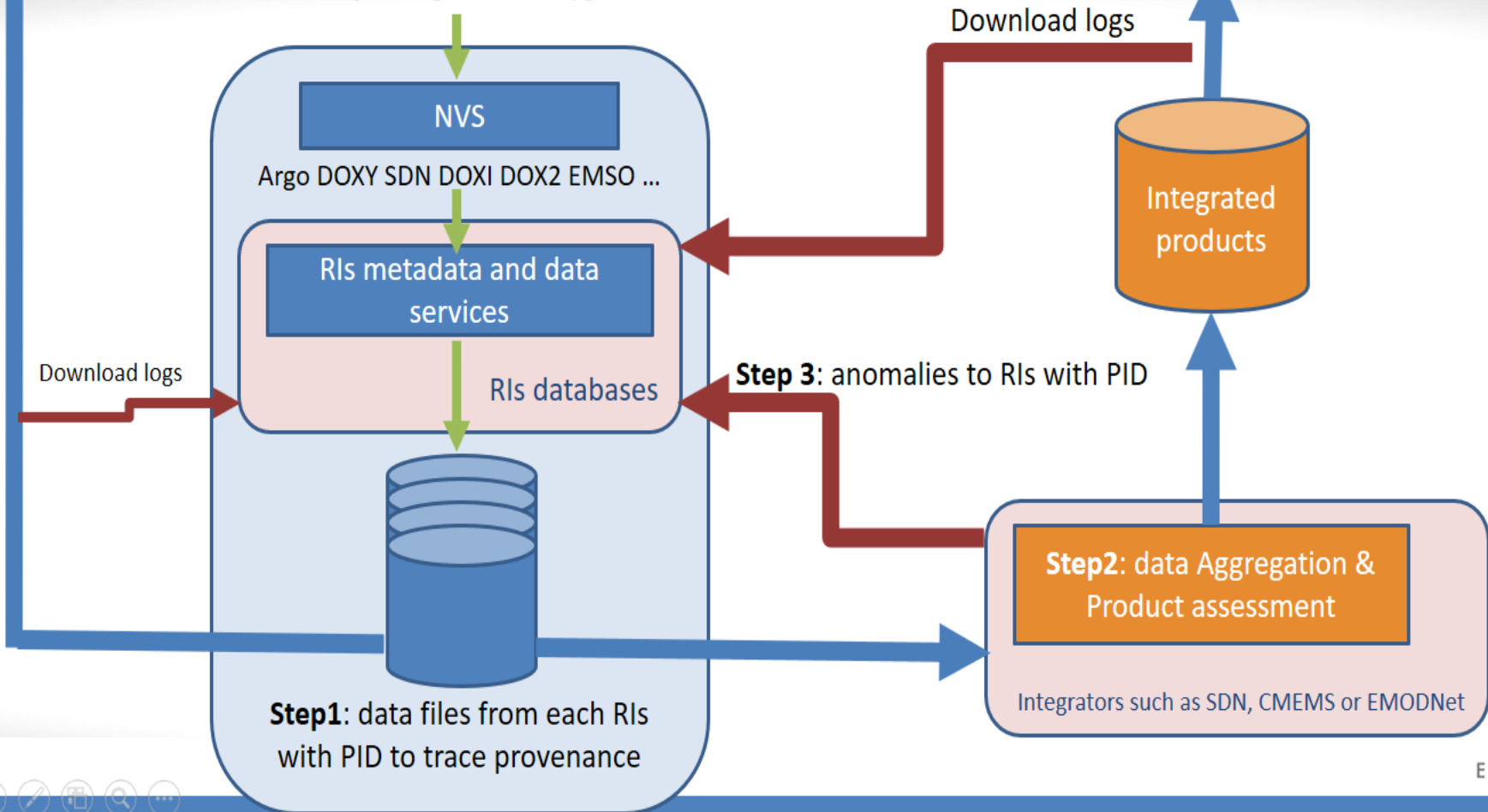


RI system
Repository warehouses
setup within Argo

ENVRI-FAIR Marine Domain Demonstration

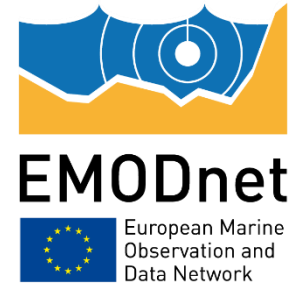


User request: give me Oxygen





Planned joint activities



EMODnet Physics – CMEMS INSTAC planned activities are:

- ⑥ Working on Fishing for data workshop and data ingestion (data from smart sensors in the fisherman networks) we all are discussing on the best practice and methods to unlock this data and make it available in Physics/INSTAC/ICES ...
- ⑥ Joint effort for HFR data integration (and call to providers' action)
- ⑥ Joint effort to support GOOS asset mapping (together with JCOMMOPS – started within the framework of AtlantOS prj)



General Discussion



- ② We recommend (also in line with the EMODnet future evolution) to work on common vocabularies across disciplines (as we are already doing by adopting the SDN in Phy, INSTAC, Che), common terms, etc
- ② Identify some common use case and work together to show/prof the benefit from the mutual/joint collaboration,
- ② Establish a common framework (calls and funds) for supporting joint Service Evolution/implementation projects.