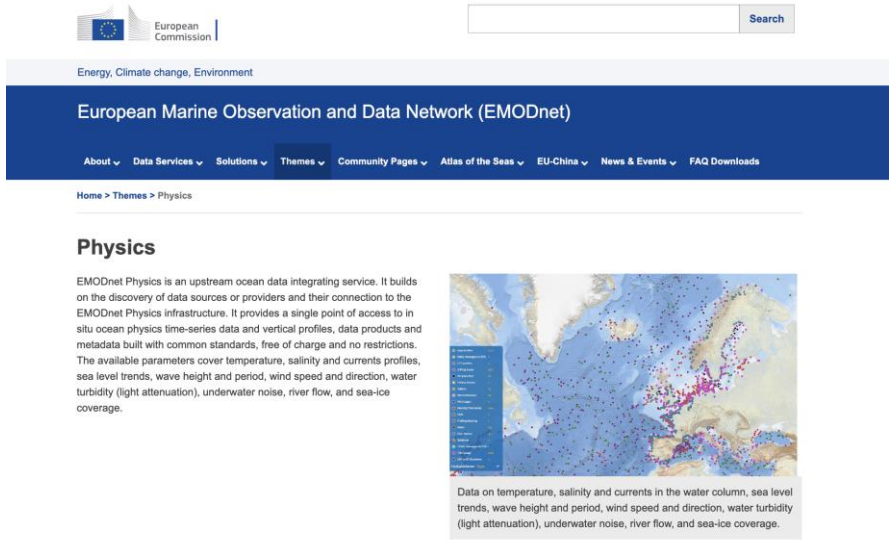
EMODnet-Copernicus Marine Service
8th Coordination meeting

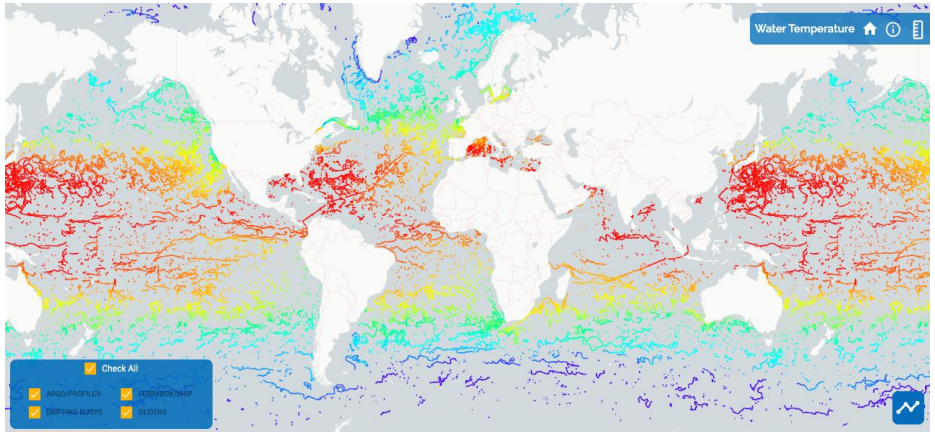
EMODnet Physics

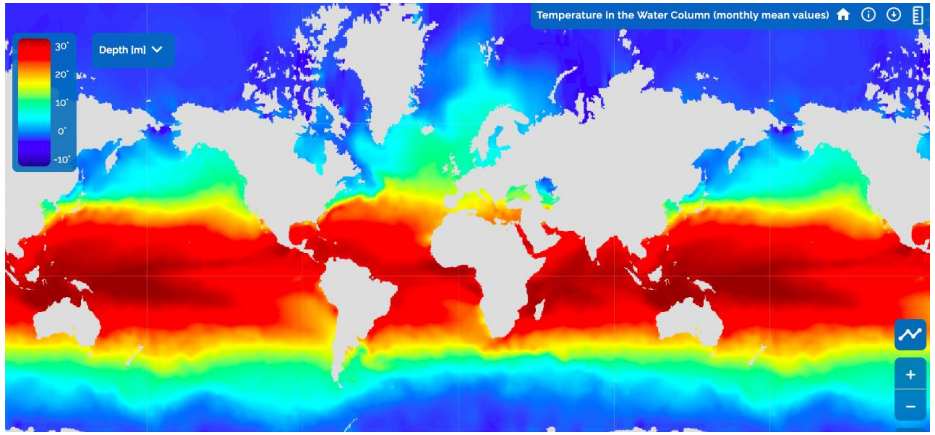
Antonio Novellino, ETT

20 October 2023

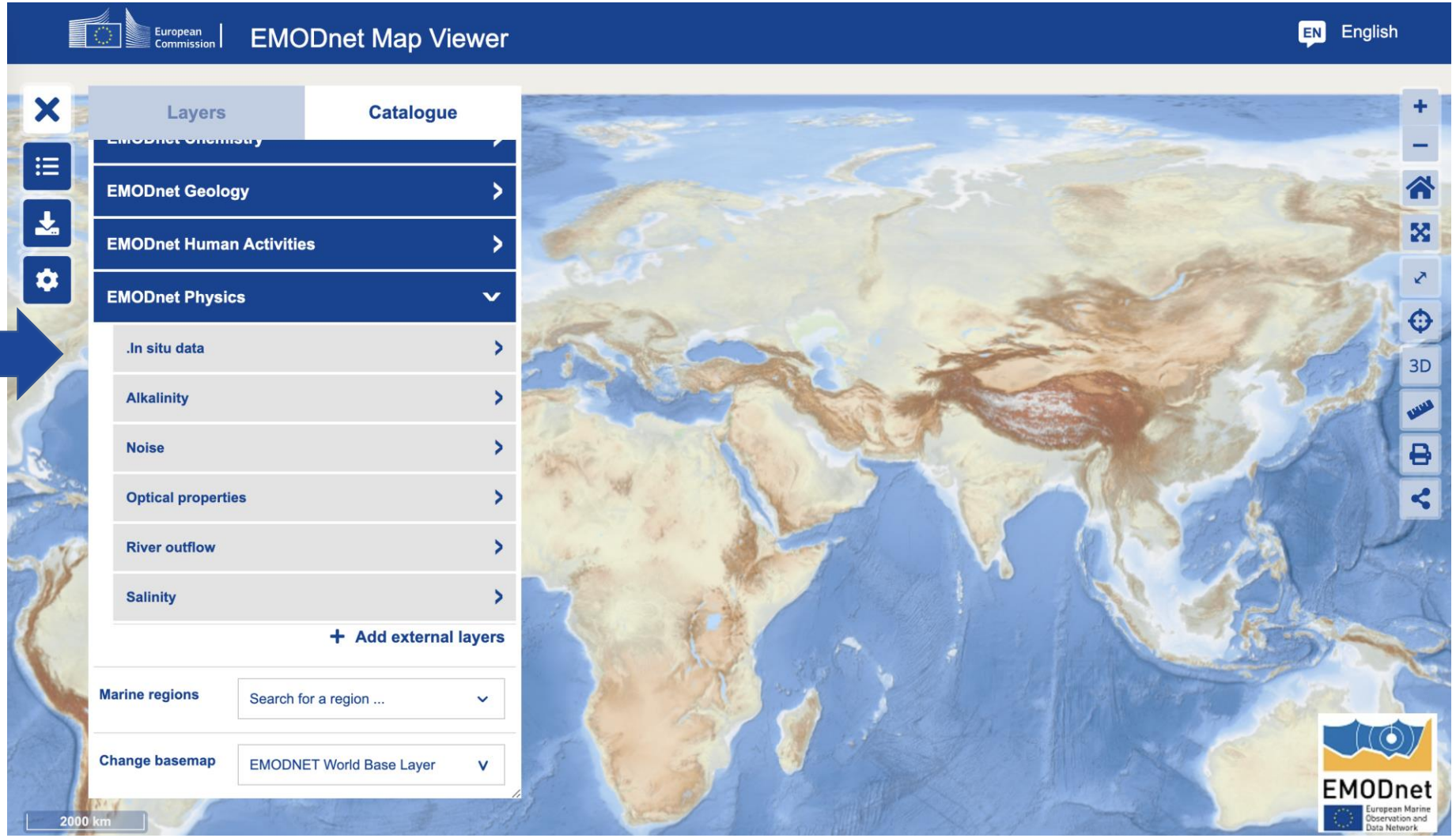
EMODnet Physics | State of Art



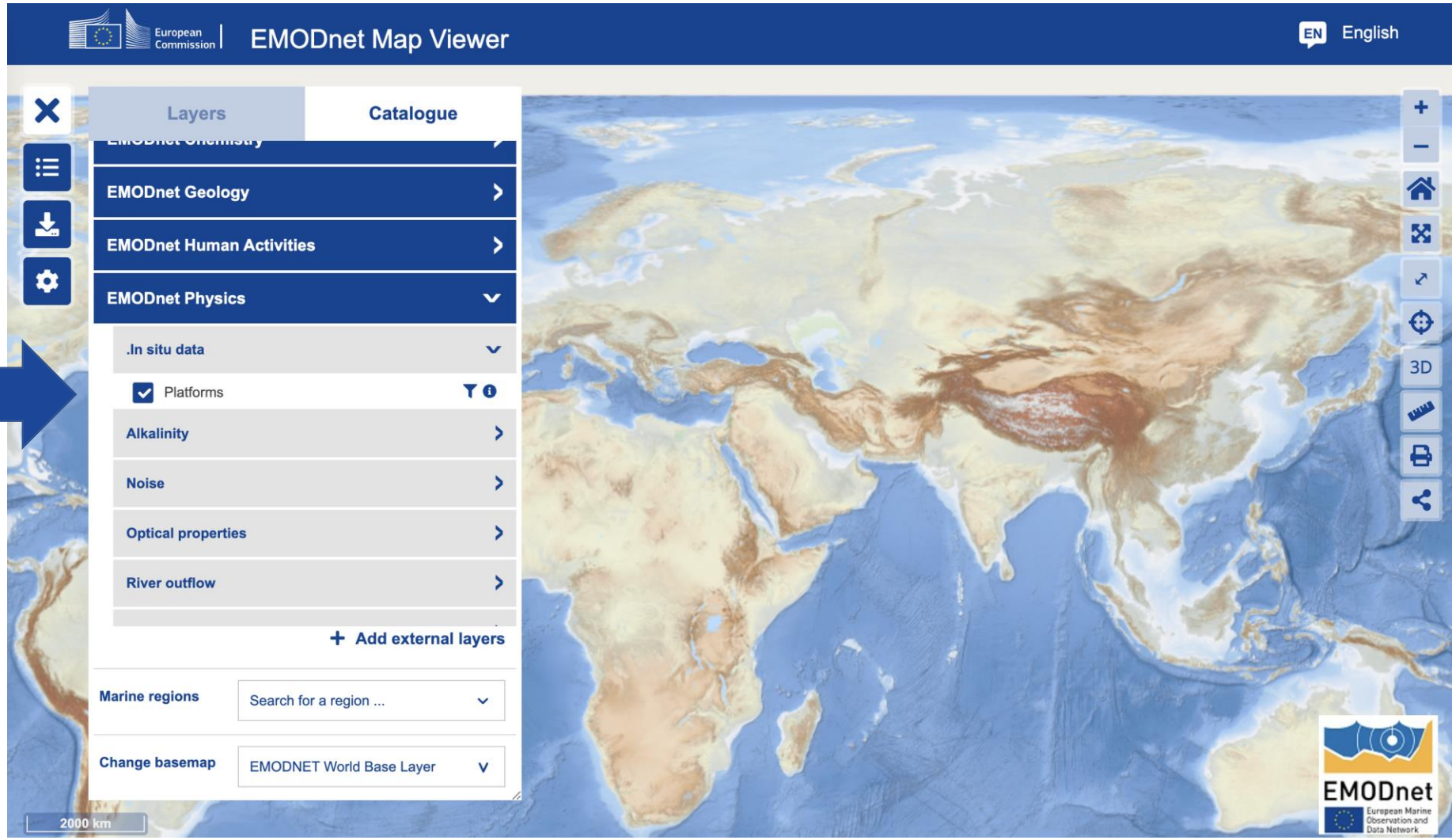




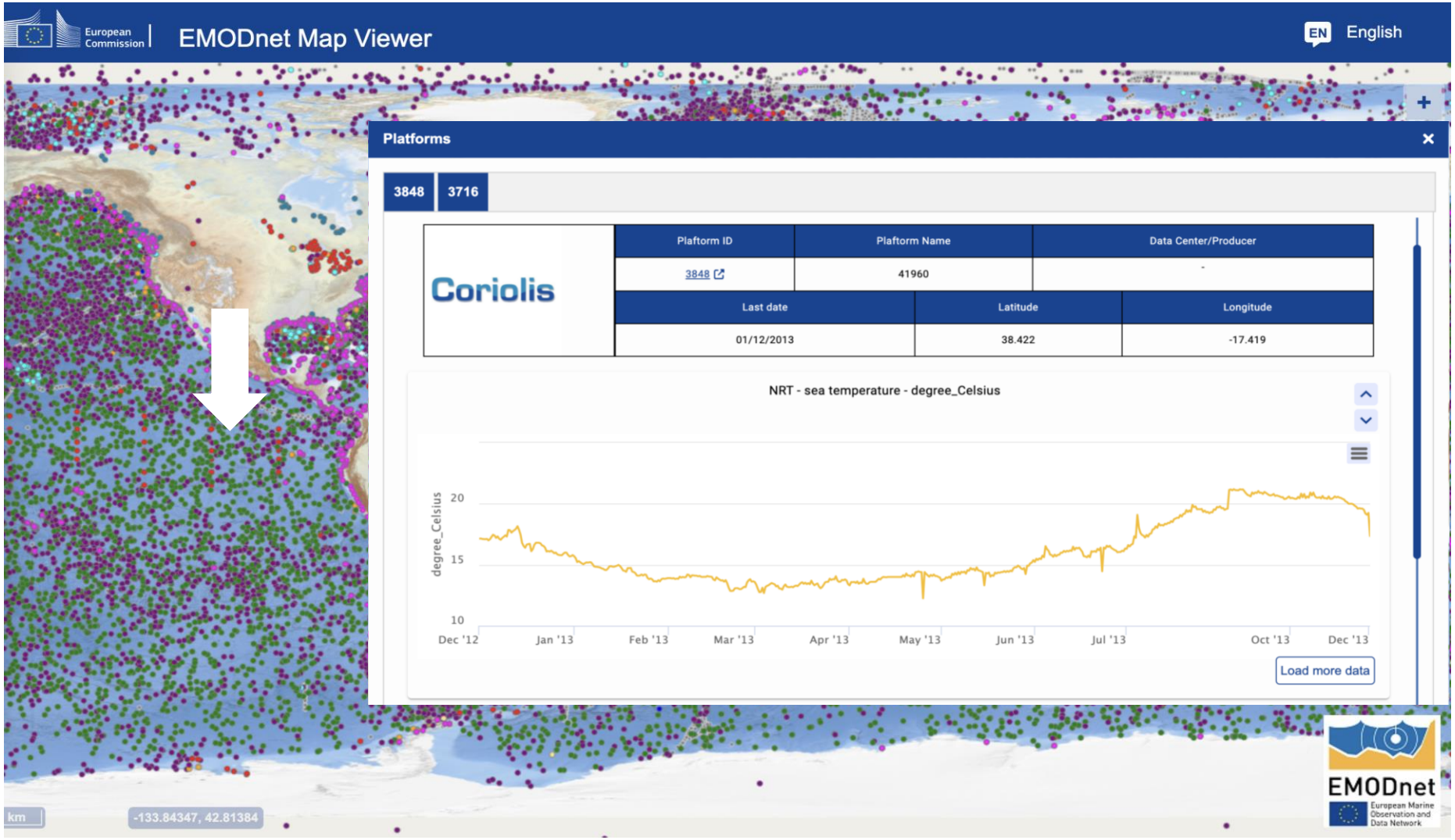
EMODnet Physics | State of Art



EMODnet Physics | State of Art

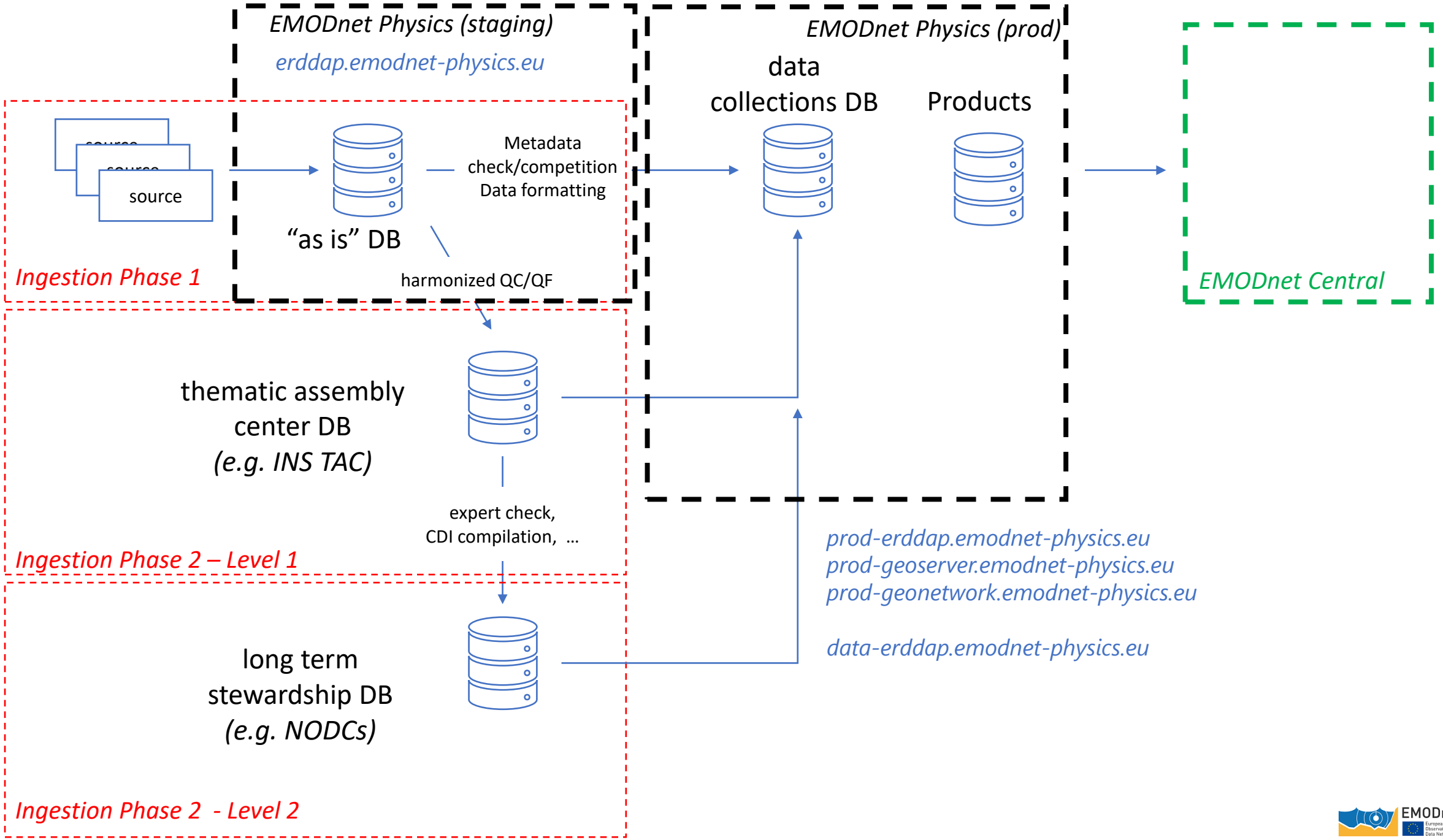


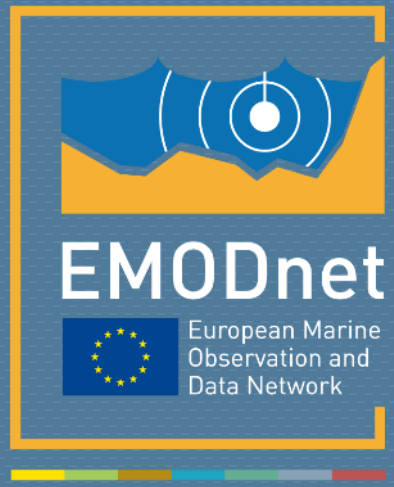
EMODnet Physics | State of Art



EMODnet Physics | *In situ* data flows

- **Does your thematic receive/publish data from CMEMS?**
  - In general all the INS TAC is also visible in Physics
  - Physics usually integrates (Ingestion) new data faster than INS TAC
  - Physics and INS TAC work to have the two DBs as close as possible
    - some differences on time granularity (e.g. PSMSL)
    - lately special focus on sea level and autonomous vehicles
  - As soon as a new data source is identified, it triggers a joint action
  - Physics covers some themes that are not covered by INS TAC
    - e.g. underwater noise, riverine inputs
- **Products**
  - Physics also integrates the CORA (IFREMER for CMEMS) – Physics, INS TAC and SDN channels are used to update the DB for the CORA production
- **Other ongoing interactions with Copernicus Marine Service**
  - MIC – Marine In situ Collaboration, DATAMEQ, H2020/HE


EMODnet Physics (staging)
erddap.emodnet-physics.eu
EMODnet Physics (prod)
data
collections DB
Products
source
source
source
Metadata
check/competition
Data formatting
"as is" DB
harmonized QC/QF
EMODnet Central
Ingestion Phase 1
thematic assembly
center DB
(e.g. INS TAC)
expert check,
CDI compilation, …
Ingestion Phase 2 – Level 1
prod-erddap.emodnet-physics.eu
prod-geoserver.emodnet-physics.eu
prod-geonetwork.emodnet-physics.eu
data-erddap.emodnet-physics.eu
long term
stewardship DB
(e.g. NODCs)
Ingestion Phase 2 - Level 2



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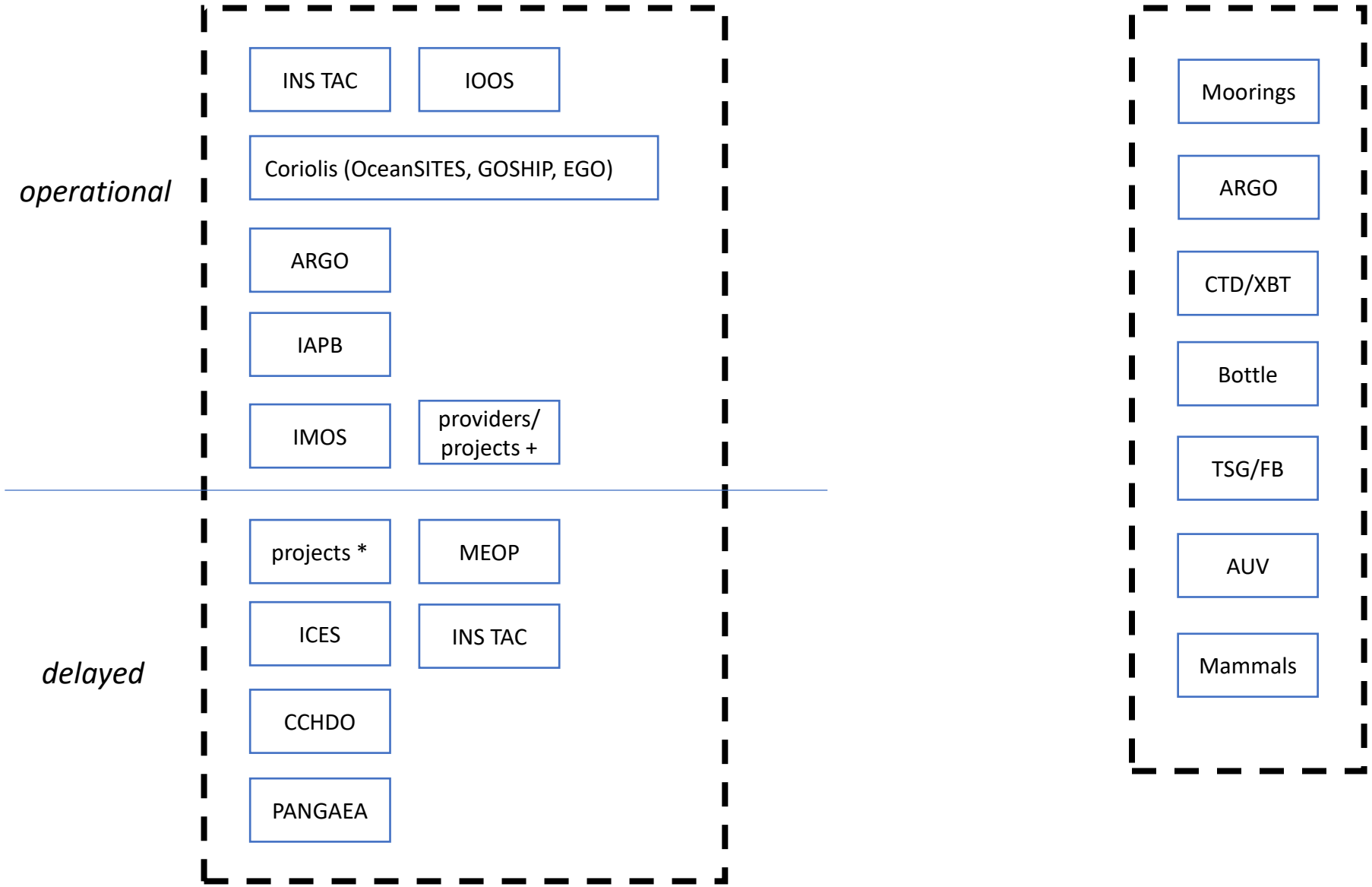
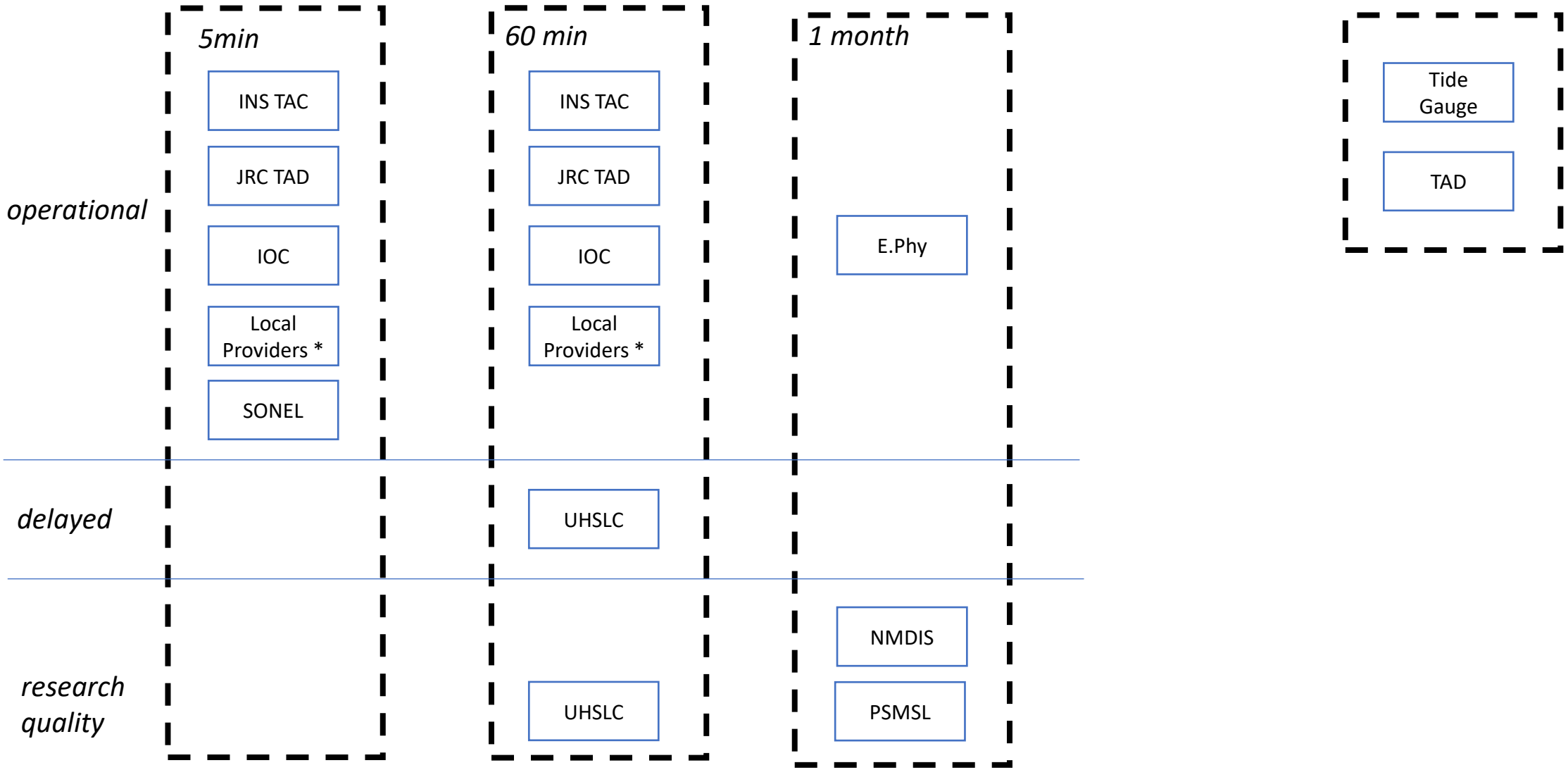
Your gateway to marine data in Europe

EMODnet: Temperature and Salinity



EMODnet: Sea Level



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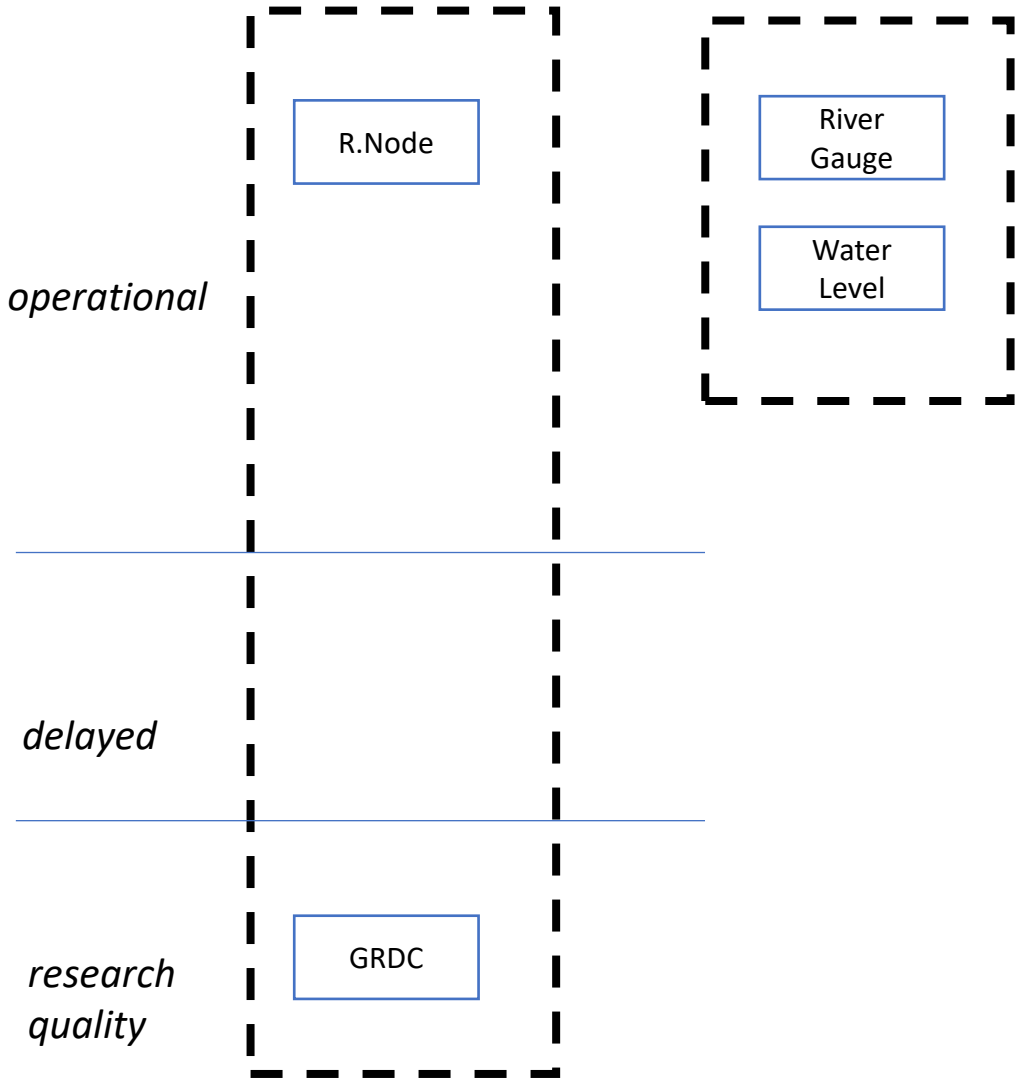
River Outflow



Currents