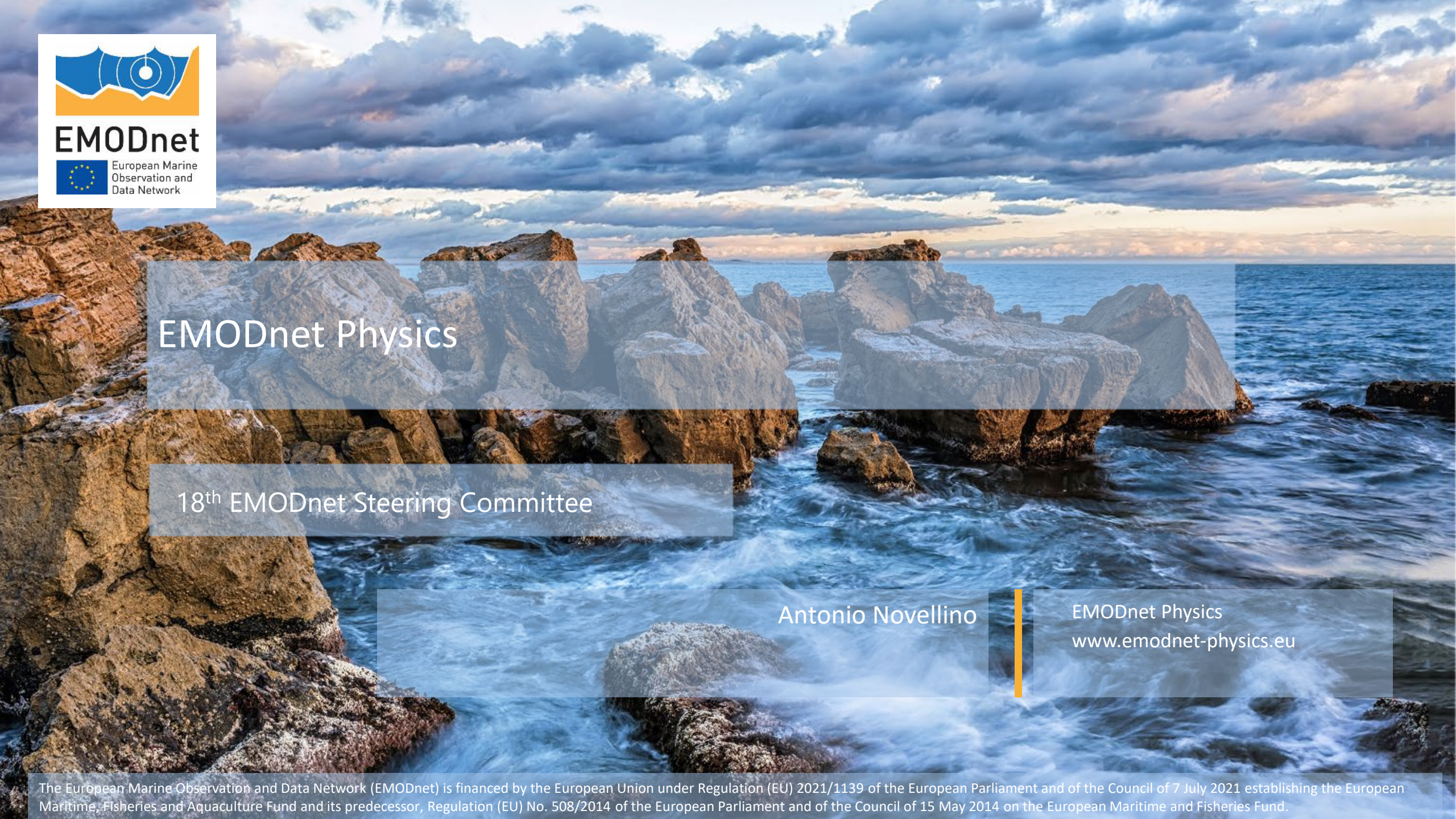


EMODnet Physics

18th EMODnet Steering Committee

Antonio Novellino

EMODnet Physics
www.emodnet-physics.eu

The European Marine Observation and Data Network (EMODnet) is financed by the European Union under Regulation (EU) 2021/1139 of the European Parliament and of the Council of 7 July 2021 establishing the European Maritime, Fisheries and Aquaculture Fund and its predecessor, Regulation (EU) No. 508/2014 of the European Parliament and of the Council of 15 May 2014 on the European Maritime and Fisheries Fund.

Status update (EMODnet Physics)

- **Deliverables (status quo)**

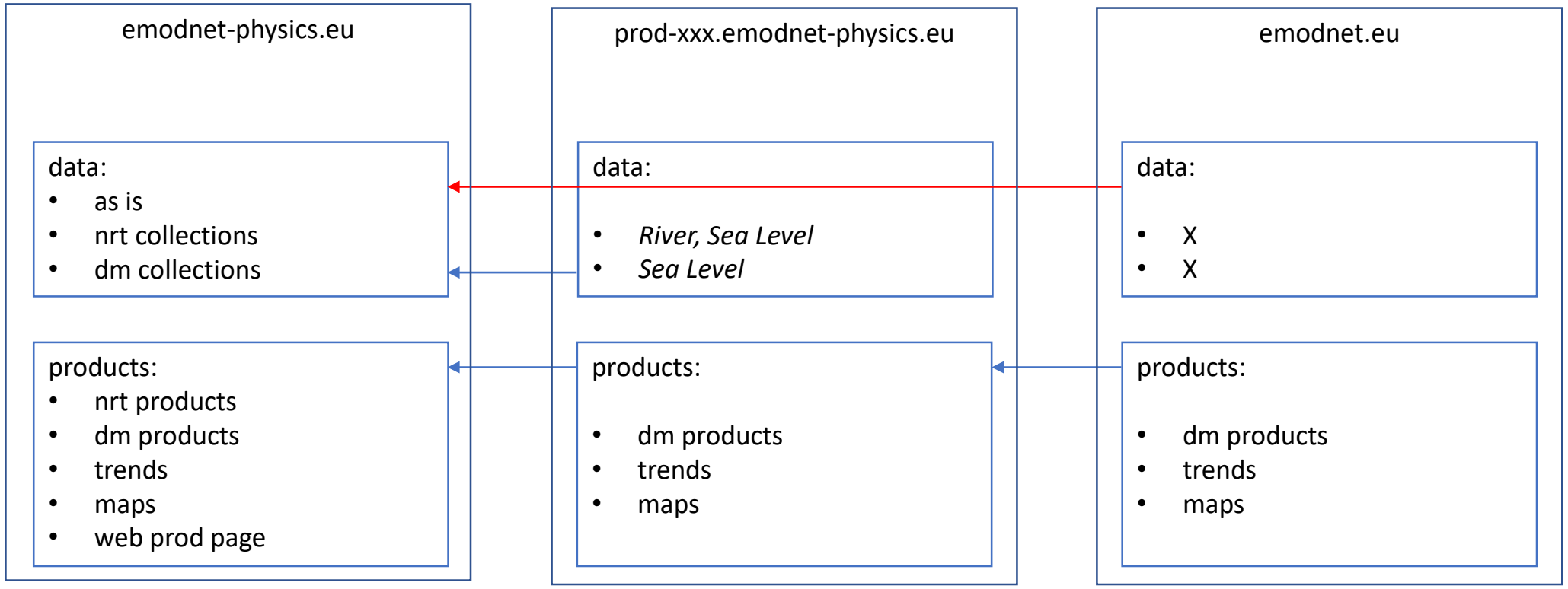
  - WP1 – Delivered 32/33 of planned, overall 39
    - annual assembly postponed to next quarter

  - WP2 - Delivered 30/32 of planned, overall 38
    - TSM (v.2 integrated high resolution in major rivers mouth, CNR ISMAR has yet to complete the processing)
    - Wave regional sort term forecasts - suspended to avoid misunderstanding on the EMODnet Physics scope (i.e. on data not on forecasts) – we will work on different in situ short term prediction (after summer)

  - WP3 – Delivered 11/11 of planned, overall 16

Status update (EMODnet Physics)

- **Centralization:**



- update the ”temporary” workflow
- link (from static) the web prod pages
- data “as is” –> realtime.emodnet-ingestion.eu → CP

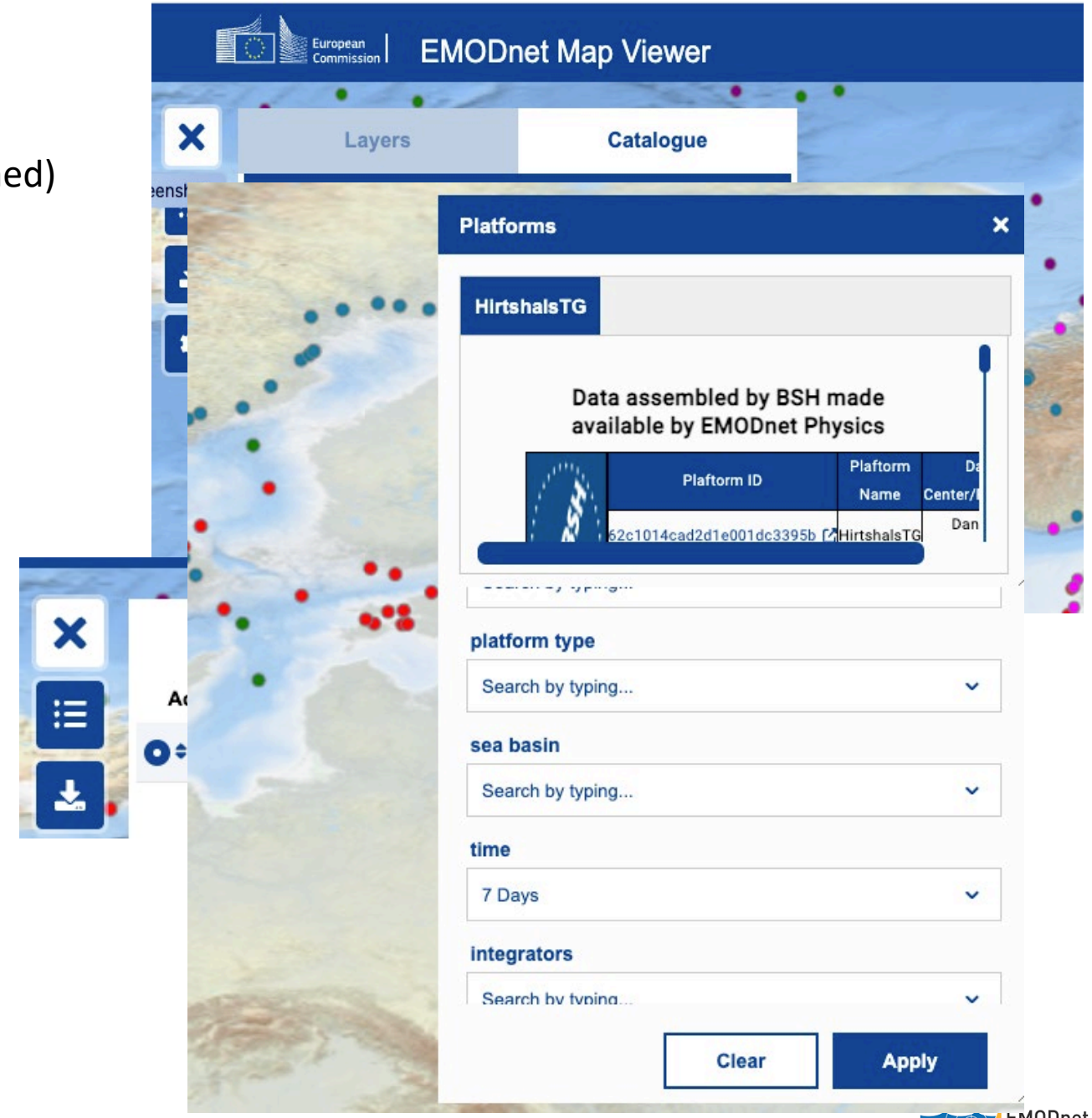
Status update (user feedback)

- positive to have all the themes together (very welcomed)
- need improvements (missing of some features)
- problems CP UX → (how to… manual/video…)
- not easy to give feedback
- need to improve the portal features and get close

  to «old» standard
- users get lost in “Layers” and “Catalogue”
- filters/legend a bit hidden

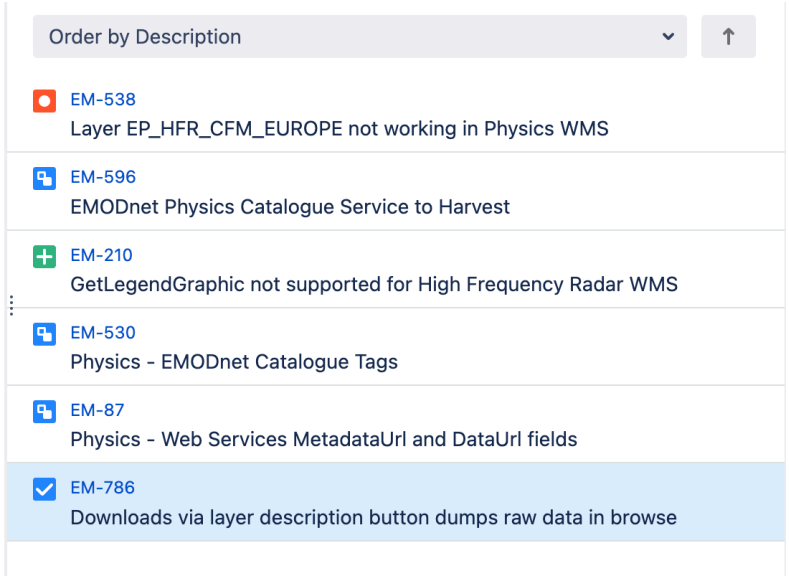
  (and users do not get they need to activate it)
- in situ plots/data popup on top of the filters

  (and not optimal sizing)



Status update (EMODnet Physics → CP) JIRA on Physics

project = EM AND assignee = "helpdesk@emodnet-physics.eu" AND status != Done ORDER BY description ASC



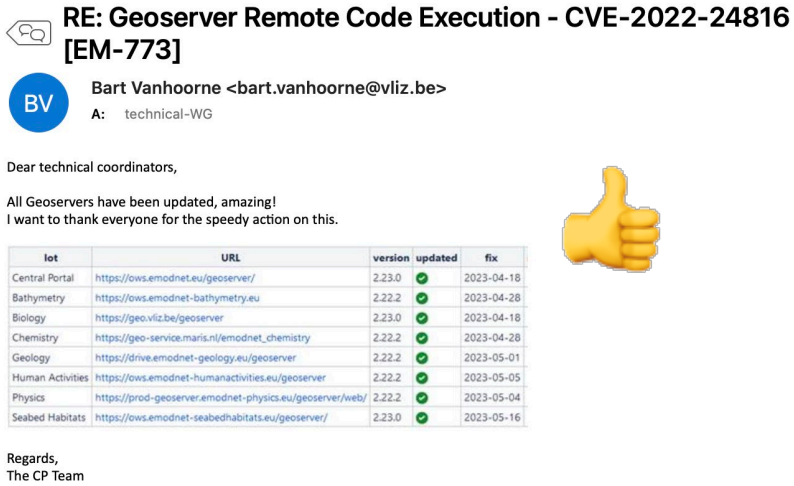
6 open tickets (4 almost obsolete)

a “title convention” would help:

Prj – what - service – problem – descr

Physics – RfF - Geoserver WMS – EP_HFR_CFM_EUROPE – not working

need to expand the JIRA terms: RfF, RfC, RfE …



RE: Geoserver Remote Code Execution - CVE-2022-24816 [EM-773]

BV **Bart Vanhoorne <bart.vanhoorne@vliz.be>**
A: technical-WG

Dear technical coordinators,

All Geoservers have been updated, amazing!
I want to thank everyone for the speedy action on this.

lot	URL	version	updated	fix
Central Portal	https://ows.emodnet.eu/geoserver/	2.23.0	✓	2023-04-18
Bathymetry	https://ows.emodnet-bathymetry.eu	2.22.2	✓	2023-04-28
Biology	https://geo.vliz.be/geoserver	2.23.0	✓	2023-04-18
Chemistry	https://geo-service.maris.nl/emodnet_chemistry	2.22.2	✓	2023-04-28
Geology	https://drive.emodnet-geology.eu/geoserver	2.22.2	✓	2023-05-01
Human Activities	https://ows.emodnet-humanactivities.eu/geoserver	2.22.2	✓	2023-05-05
Physics	https://prod-geoserver.emodnet-physics.eu/geoserver/web/	2.22.2	✓	2023-05-04
Seabed Habitats	https://ows.emodnet-seabedhabitats.eu/geoserver/	2.23.0	✓	2023-05-16

Regards,
The CP Team

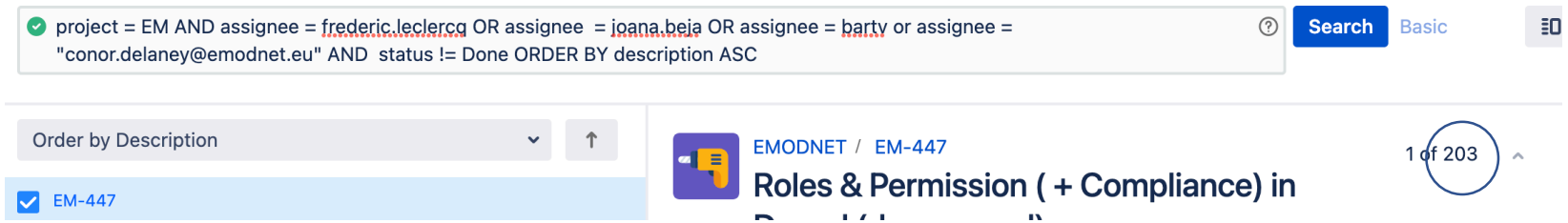
- issue identified
- jira to notify
- (mail to check that ticket was received)
- team fixed
- jira closed

worked well because clear fix with clear procedure,

RfF – All – Geoserver – Remote code […]

Status update (EMODnet Physics → CP) JIRA on CP

project = EM AND assignee = frederic.leclercq OR assignee = joana.beja OR assignee = bartv or assignee = "conor.delaney@emodnet.eu" AND status != Done ORDER BY description ASC



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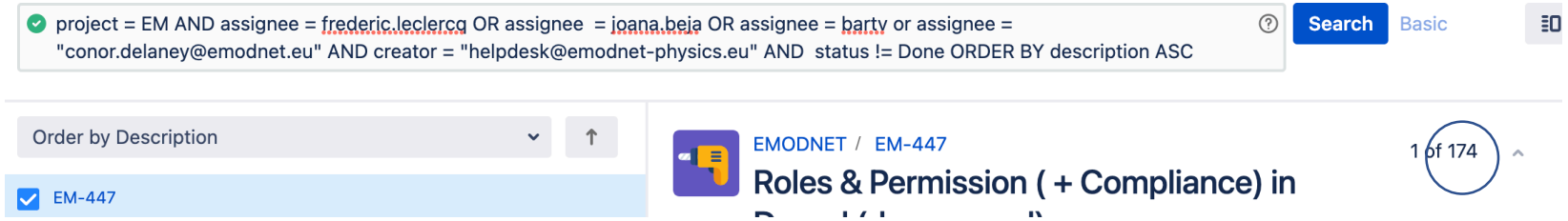
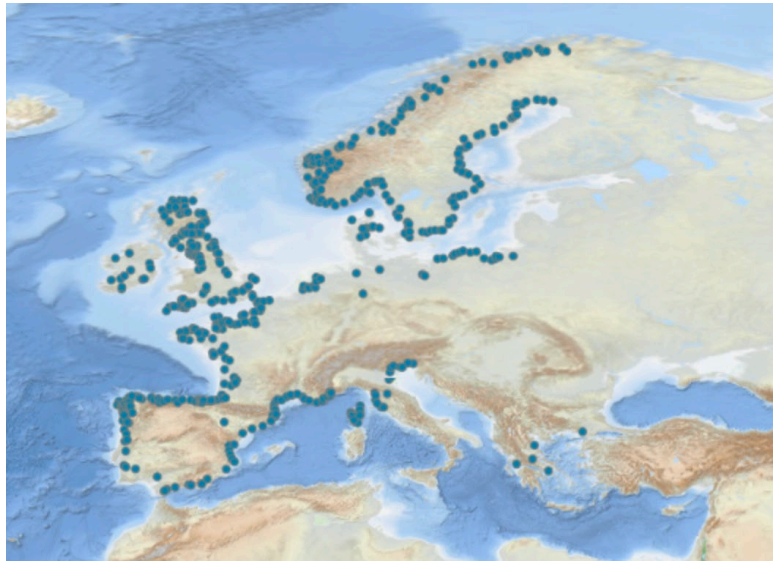
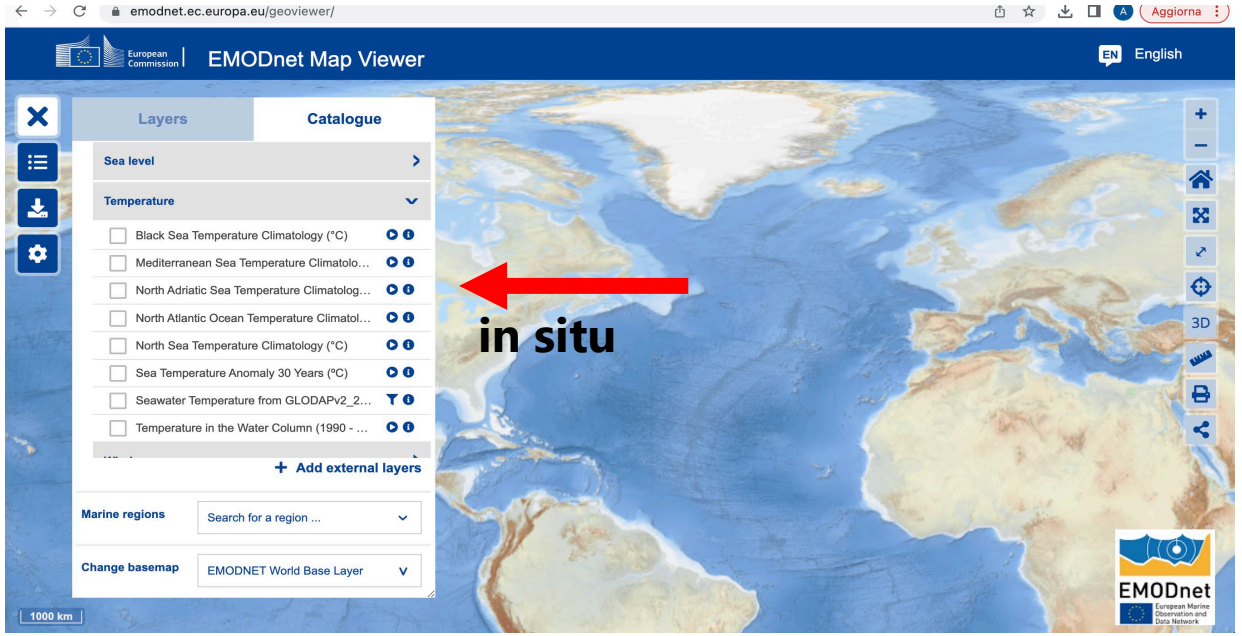


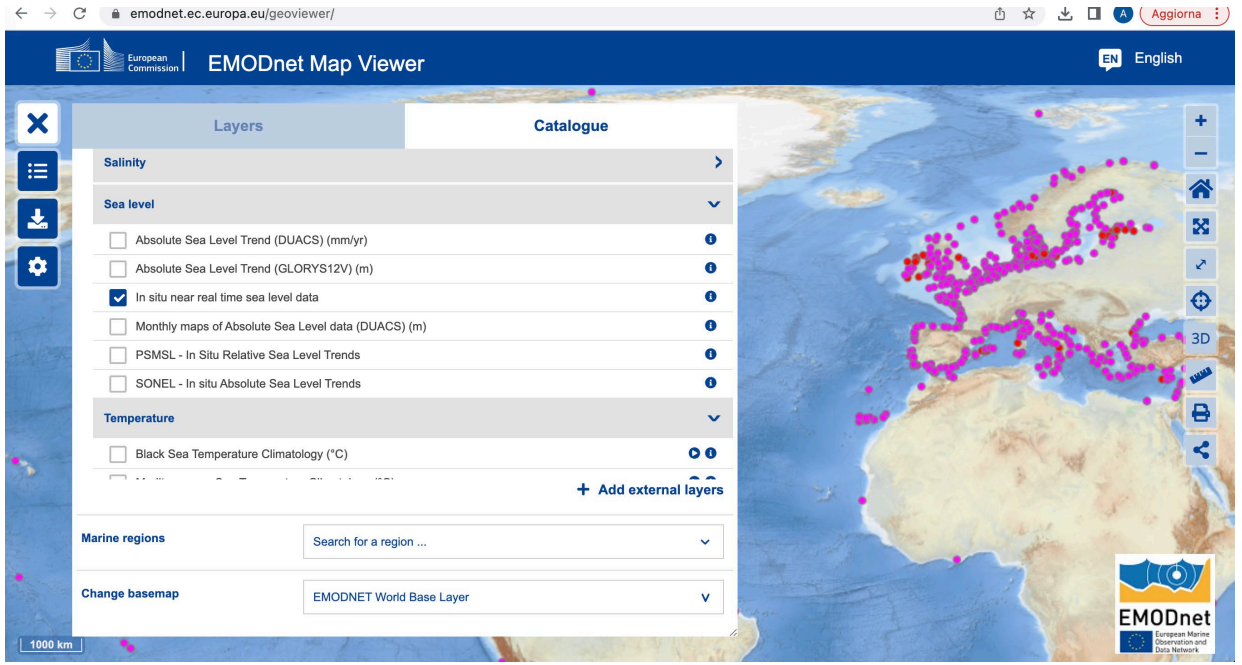
- not “personal” assignee would be appreciated e.g. hd or one per service type
- difficult to find requests from thematic lots

Status update (Products)

- Products update planning
  - Update:
    - T/S (CORA) → up to 2022
    - Impulsive Noise Event Register
    - TSM
      - low res for pre-view
      - metadata → full res download
  - Dismiss (from CP-geoviewer):
    - Regional T/S products







- new approach to show and update products

Status update (Monitoring indicators)

- 1A Volume and coverage of available data
  - We report on number of plaforms per theme
  - Volume (in GB of data) difficult to catch (the more the sources adopt recommendations (e.g. ERDDAP) the less the volume we buffer/cache
  - Useful to have the Sea Basin Shape from the CP
  - Useful to have a platform counter on the Central Portal
  - → move to data-days per platform-theme (*)

(*) discontinuity with current system

- 1B Usage of data
  - before Centralization we were collecting the usage in terms of views (platform pages)
  - now we can only track the number requests (transferred volume) when mediated by our back-end services
  - difficult to comment on the scope of the use

- 2A Volume and coverage of available data products
  - would make more sense a Y/N tick on Global/Regional Sea – gridded prods are likely to be 100% of their scope

- 2B Usage
  - same as 1B

Cross-Thematic Interactions (since last SC+TWG)

- Chemistry – Ingestion
  - River Products
  - Citizen Science oriented actions (EMD2022, METROSEA2022, …)
- PACE – in situ Sea Level prods update (WP5)

External interactions

New networks:

- EMANEDS/TRANSEurope MARINAS, AIVP international assotiation of ports and cities, ONTM (NGO) Marine Protection Observatory,

EU level:

- TG NOISE (+ ICES member, and CTN permanent attender),
- CMEMS INS TAC: set up of TWG on common workflows and prods
- EuroGOOS: TWG, DATAMEQ WG, Task Teams (ferrybox, HFR, gliders, tide gauge), ROOSs
- H2020 Projects: ARICE, EuroSEA, JERICO S3 and DS, SO-CHIC, NAUTILOS, BlueCloud, ENVRI.FAIR, …

Global level:

- SOOS, SAON, NOAA (ERDDAP), WMO WGs (WIS, WISC), IOC (Ocean Decade, GOOS, OceanOPS, IODE), AniBOS, OceanGliders, Educational Passages, ICES

Future Outlook

- Follow up on:
  - Voluntary Opportunity Sailing Ship
  - Fishing Vessels Observatory Network
  - Low Cost Tech
  - H2020/HE/MISSION projects
    - (ARICE, SOCHIC, NAUTILOS, OCEANICE, BlueCloud2026, OLAMUR …)
  - SOOS, CoastPredict, AtlantOS, GOOS OCG, and many others

OCEAN°LADIES'
For Cleaner Seas

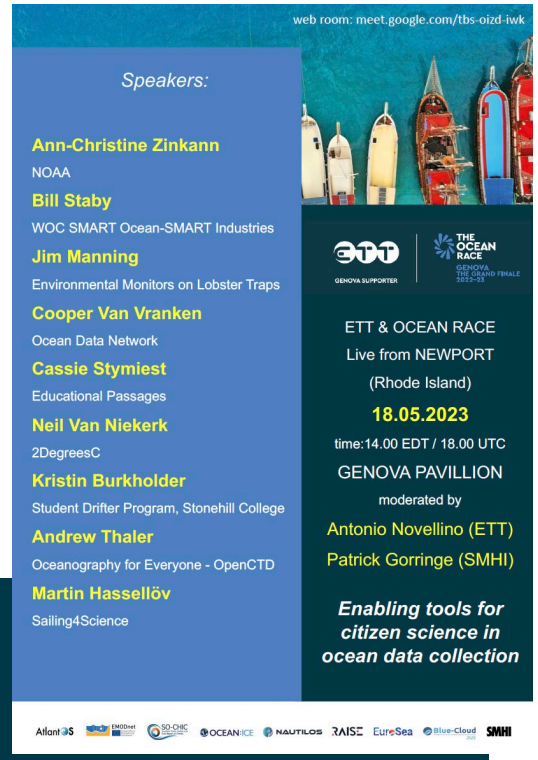
Sailing4Science
SAILORS UNITED TO SURFACE DEEP OCEAN REALITIES

MINI - SOLO

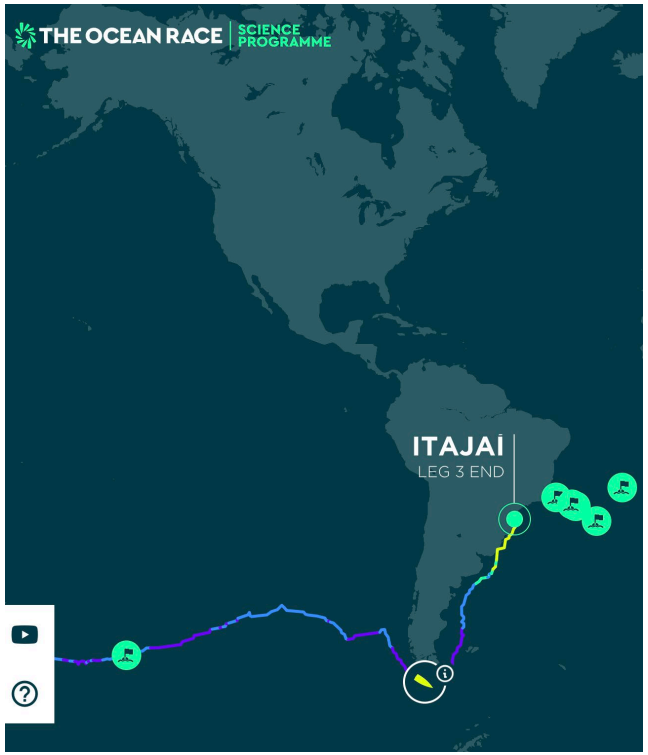
Events Outlook

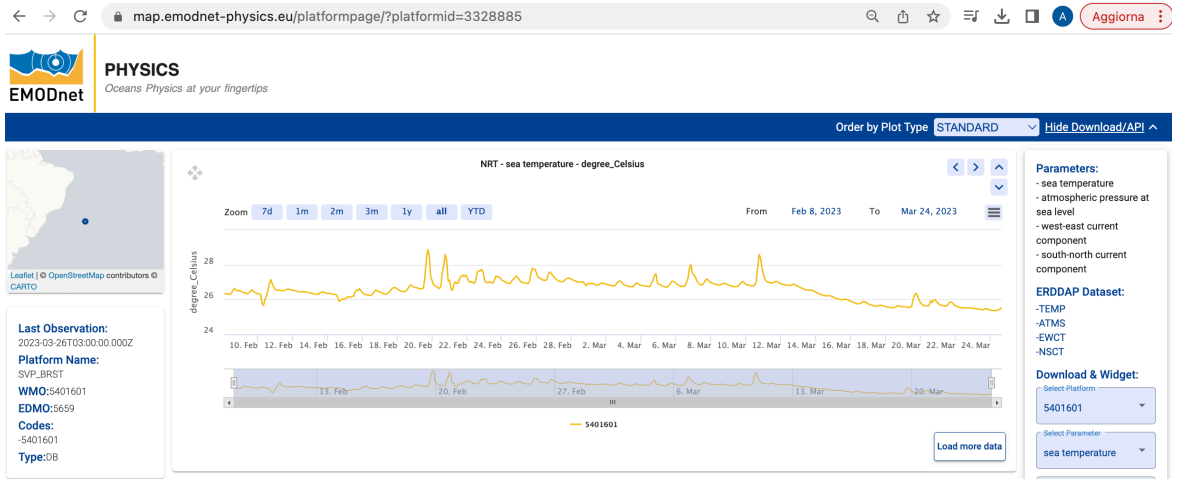
- **Meetings/Events (since September 2022)**
  - Participated to 39 events

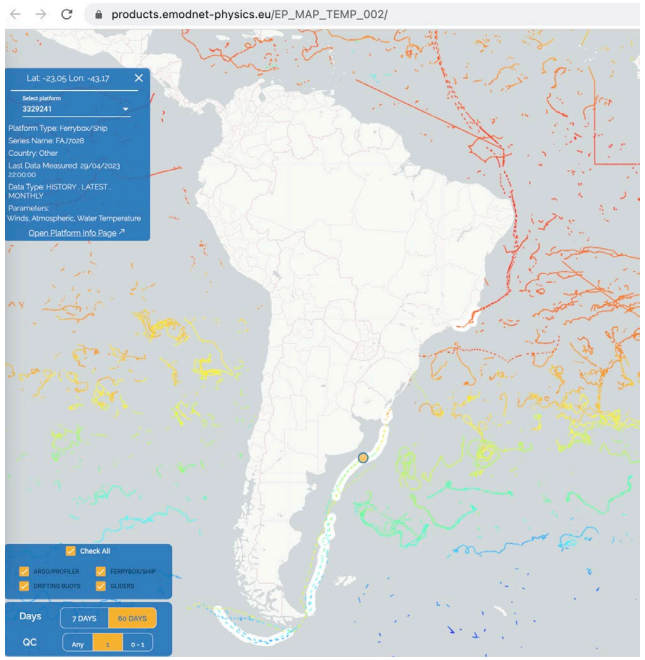
  - up coming (co-organizer):
    - Ocean data hours, the Ocean Race Village, Genova Pavilion, Aarhus (5/6/2023)
    - Ocean data hours, the Ocean Race Village, Genova Pavilion, The Hague (12/6/2023)
    - Ocean data week, the Ocean Race Village, Genova (27-30/6/2023)
    - SOOS Symposium, Hobart (14-18/08/2023),
    - Summer schools (Gliders, AUV, CS …)
    - …
    - Low cost Tech Side event at EuroGOOS conf. (Oct 2023)
    - Low cost Tech Side Event Oceanology London (Mar 2024)
    - Ocean Sciences Meeting New Orleans (Feb 2024)
    - …

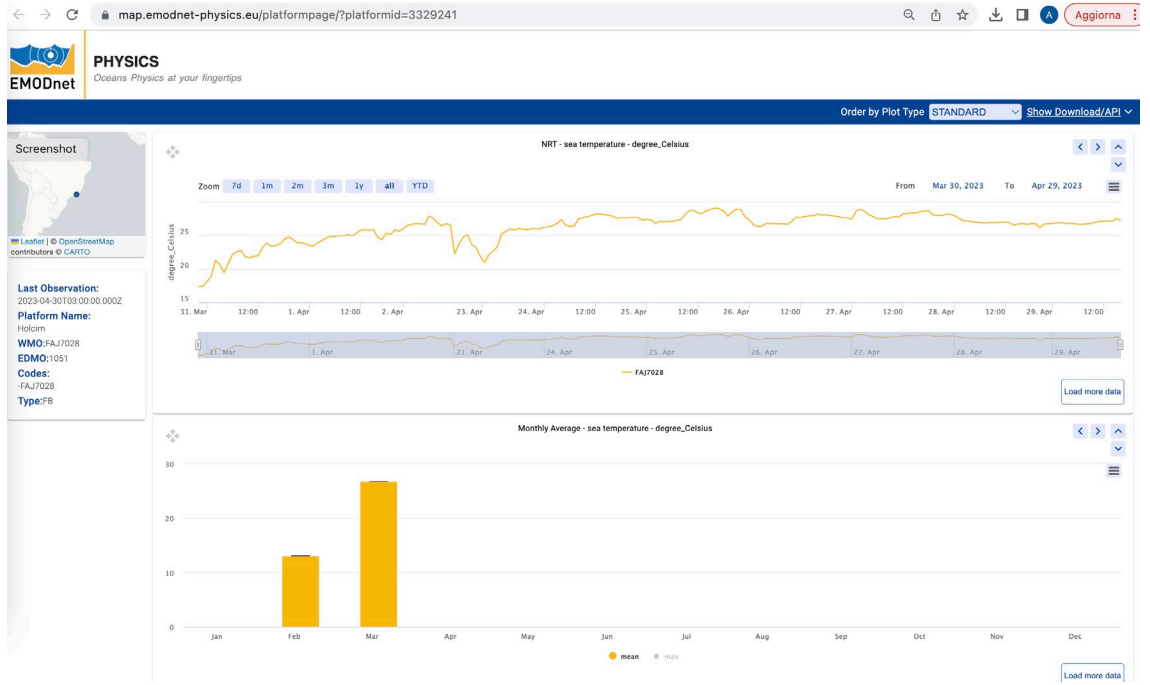


class	boat	Registration IMO	Registration MMSI	Leg 3 device 1 Type	Leg 3 device 1 WMO NUMBER	Leg 3 device 1 IMEI NUMBER	Leg 3 device 1 Position
IMOCA 1	11HRT		368 215 690	NOAA	1601751	300534062585140	135E (5.)
IMOCA 2	Biotherm		228 135 810	NOAA	1701680	300534062582110	110E (4.)
IMOCA 3	GUYOT		228 101 590	Trusted 6	5401600	300534063310650	85E (3.)
IMOCA 4	Holcim		228 125 560	NOAA	1701677	300534062581120	60E (2.)
IMOCA 5	Malizia		228 131 430	Trusted 4	1401603	300534063314630	35E (1.)

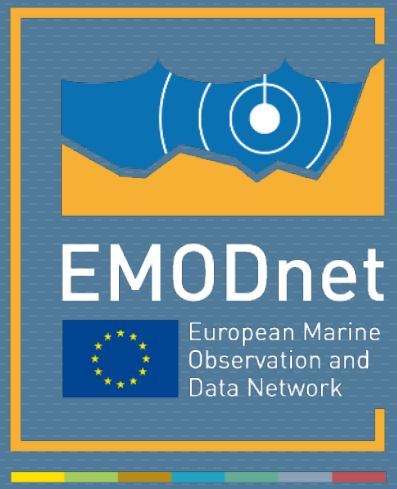








working on a OR-EMODnet use case



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