EMODnet Physics

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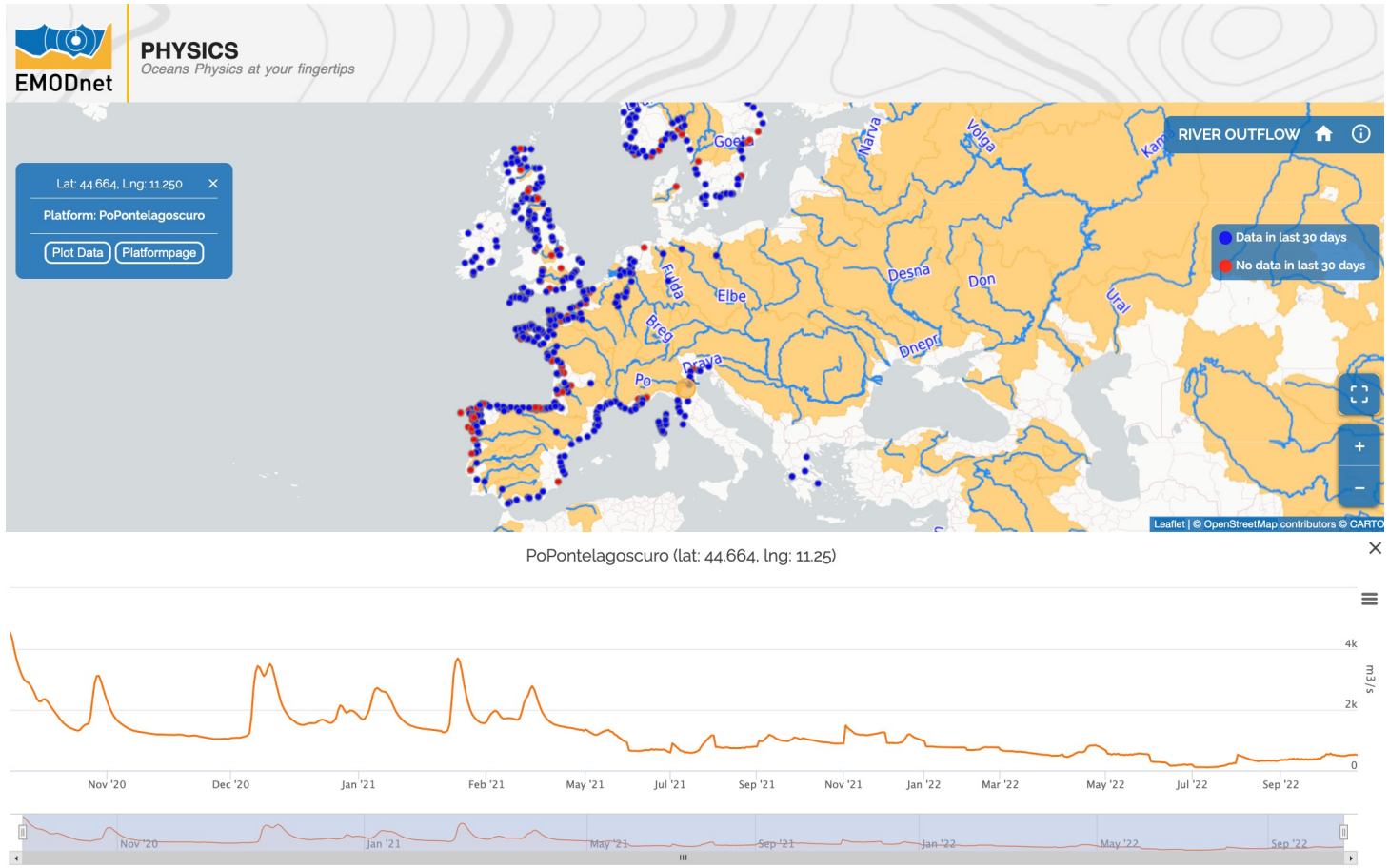
The European Marine Observation and Data Network (EMODnet) is financed by the European Union under Regulation (EU) 2021/1139 of the European Parliament and of the Council of 7 July 2021 establishing the European Maritime, Fisheries and Aquaculture Fund and its predecessor, Regulation (EU) No. 508/2014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

Physics and Coastal data

- River
  - outflow
  - outflow + nutrients (with Chemistry)

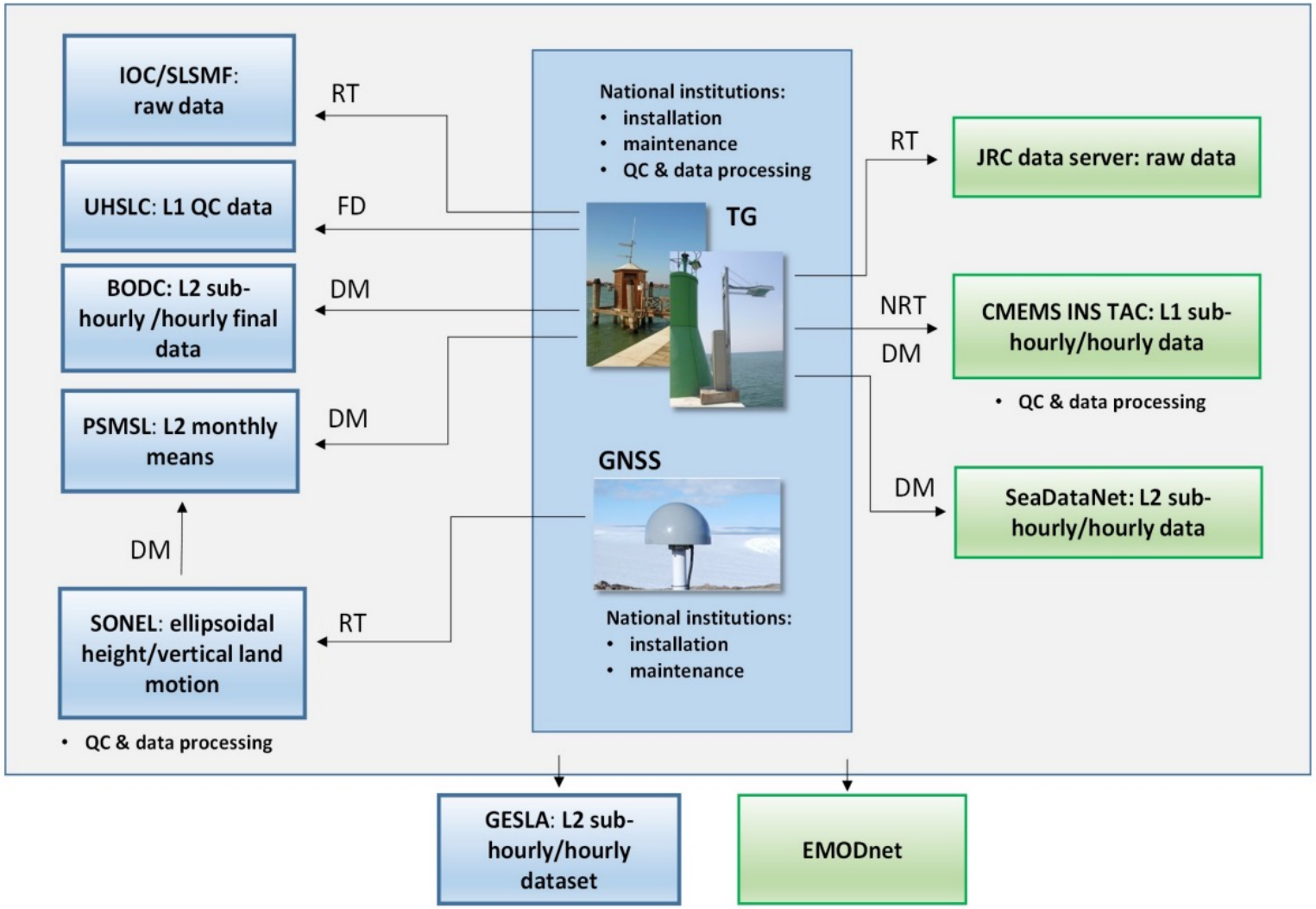


https://prod-erddap.emodnet-physics.eu/erddap/tabledap/ERD_EP_RVFL_NRT.html

Physics and Coastal data

- Sea Level

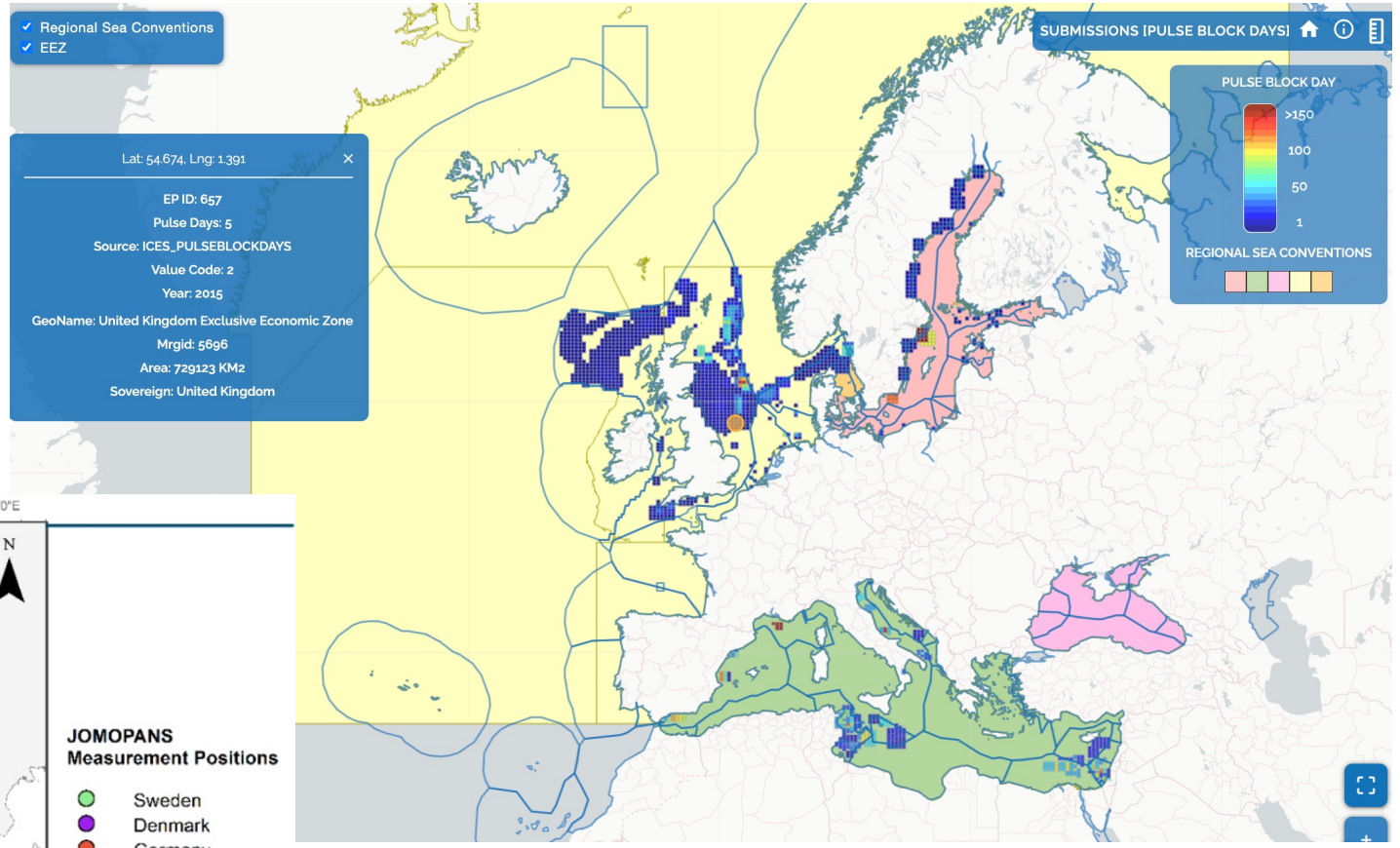
EMODnet Physics is linked to these sources, it is not including GELSA (yet), it is working together with the EuroGOOS Tide Gauge TT and Copernicus Marine Service INSTAC team to streamline data flows.

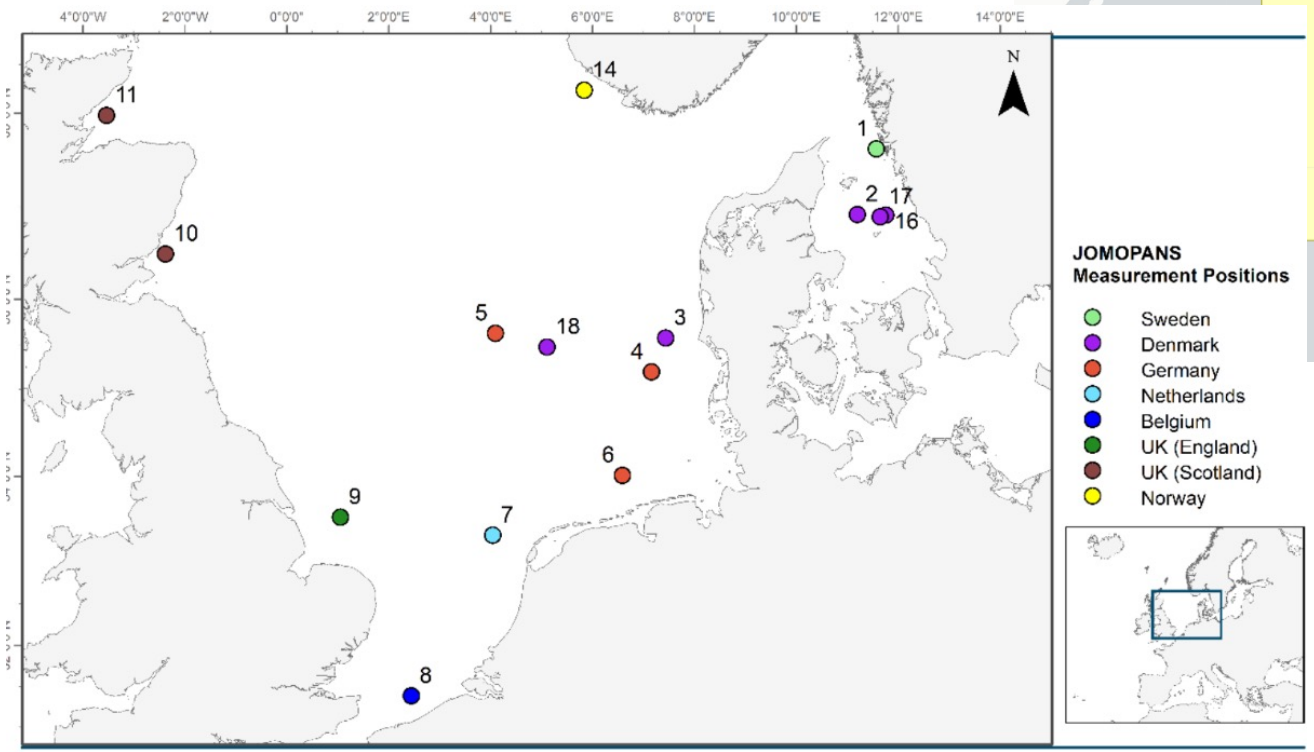


https://prod-erddap.emodnet-physics.eu/erddap/tabledap/ERD_EP_SLEV_NRT_60m.html

Physics and Coastal data

- Under Water Noise
  - Impulsive Events
  - Continuous Noise (coming soon)

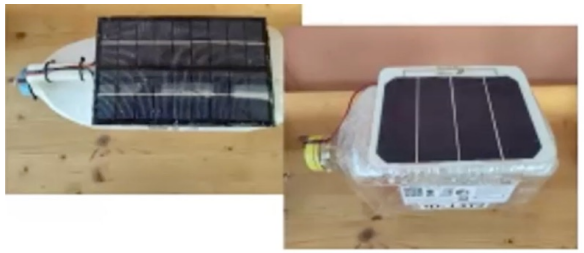




Physics and Coastal (new data sources)

SINDBAD2 prj + OutBE

Sea Cleaner prj



ERDDAP > tabledap > Make A Graph

Dataset Title: cnr
Institution: ??? (Dataset ID: cnr)
Range: longitude = 13.0832 to 14.1795°E, latitude = 43.3992 to 44.2572°N, depth = 2.31 to 79.07m, time = 2021-07-01T01:45:41Z to 2021-09-30T09:23:20Z
Information: Summary | License | FGDC | ISO 19115 | Metadata | Background | Subset | Data Access Form | Files

Graph Type: markers
X Axis: longitude
Y Axis: latitude
Color: temperature

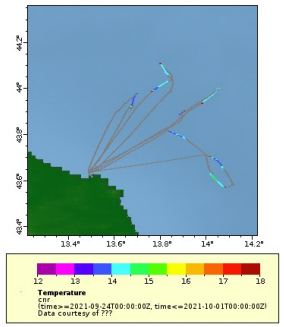
Click on the map to specify a new center point.
Zoom: Out 8x | Out 2x | Out | Data | In | In 2x | In 8x
Time range: 7 day(s)

Constraints	Optional Constraint #1	Optional Constraint #2
time	>= 2021-09-24T00:00:00Z	<= 2021-10-01T00:00:00Z
longitude	>= 13.223	<= 14.223
latitude	>= 43.363	<= 44.363

Server-side Functions: distinct()

Graph Settings
Marker Type: Dot Size: 5
Color:
Color Bar: Continuity: Discrete Scale: Linear
Minimum: 12 Maximum: 18 N Sections:
Draw land mask:
Y Axis Minimum: Maximum: Ascending

Redraw the Graph (Please be patient. It may take a while to get the data.)



Connecting more operators … backend workflow

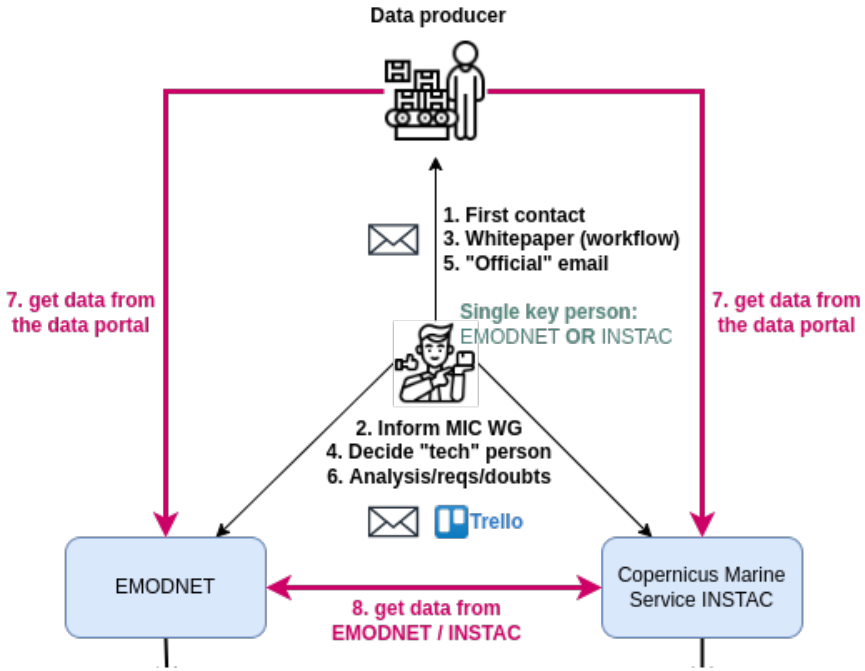
Since November 2021

Marine Insitu Collaboration Working Group [MIC WG]

is joining together EMODnet, EuroGOOS, SDN and CMS INS to manage better this task and sharing common tools (e.g. defined workflow, trello …)

ongoing actions:

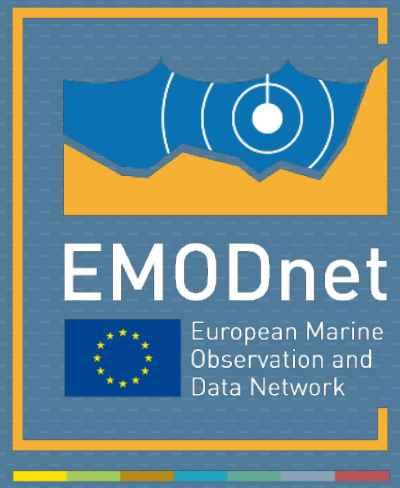
- review of metadata (global attributes)
- guidelines
- tools



Communication to users and producers:
Joint action
EMODNET **AND** INSTAC

examples of recommendations: identification

	descr	
Platform identification.	Each platform/station should be identified by a unique ID	WMO code - https://www.ocean-ops.org/ ICES – SHIPC https://vocab.ices.dk/?ref=315
Variable	basic metadata to be associated with the variables are: the measuring device (instrument type) used, the precise definition of the variable, its standard name and abbreviation, the unit used and the quality flag associated.	Instrument type, refer to SDN L22 (i.e. NETTZZZZ or TOOLZZZZ) https://vocab.seadatanet.org/v_bodc_vocab_v2/search.asp?lib=L22 Definition of variable, refer to SDN P01 & subset (i.e. SDN:P01::VVVVZZXX) https://vocab.seadatanet.org/bandit/browse_step.php Standard name following the CF convention https://cfconventions.org /Data/cf-standard-names/79/build/cf-standard-name-table.html Unit of the variable, refer to SDN P06 (i.e. ZZZZ, 4 uppercase letters) https://vocab.nerc.ac.uk/collection/P06/current/ Quality flag, refer to SDN L20 (i.e. number between 0 and 9 or letter: A, B, Q) https://vocab.seadatanet.org/v_bodc_vocab_v2/search.asp?lib=L20
Time	The time associated to the data	ISO 8601 format where Date is expressed as YYYY-MM-DD time is in 24-hour mode and UTC, e.g. T13:05:15Z meaning 13 hours 5 minutes 15 seconds UTC (representing by Z)
Geographical position	latitude and longitude coordinates	The reference coordinate system to be used to characterise the data is the WGS84



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