



RIVER DATA MANAGEMET FOR COASTAL OCEANOGRAPHY

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EMODnet Physics
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EMODnet Physics

Data age

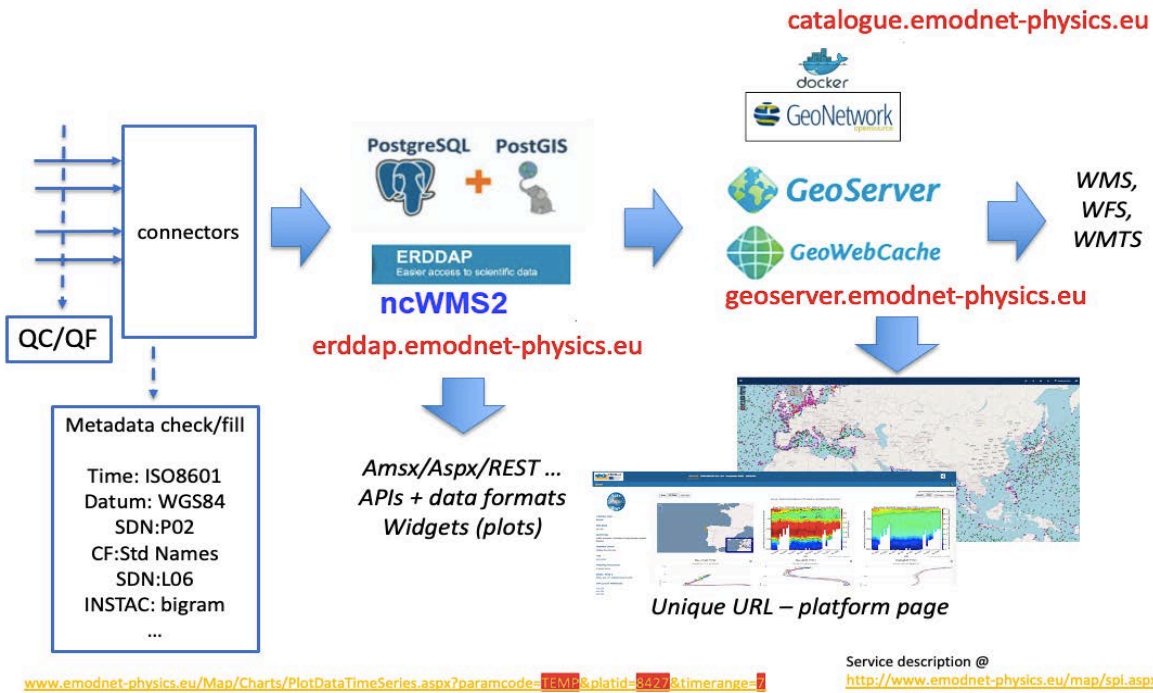
- SWE-SOS Real-time (RT) data
- Near real-time (NRT) data at in situ observatories at sea
- Reprocessed NRT data (average/trends)
- Archived data derived from further elaboration and validation

Products

- Sea Level trends
- Sea level anomalies
- Temp & Sal maps
- Surface Currents fields
- Ice coverage and thick
- River Runoff & TSM**
- Impulsive Noise registry

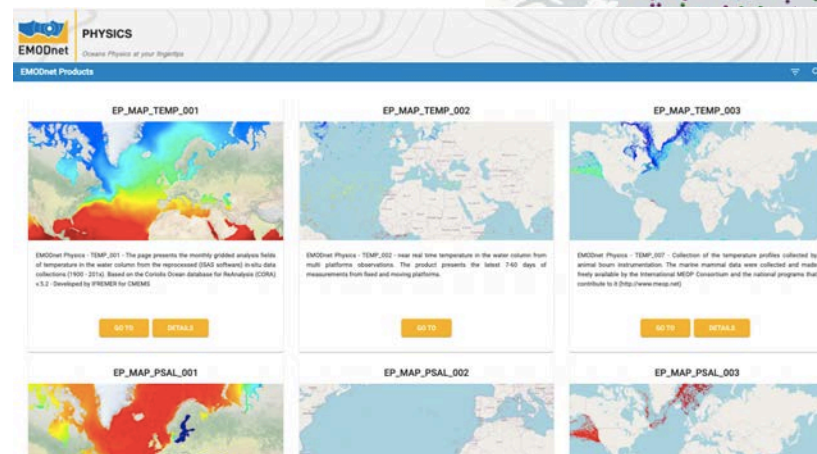
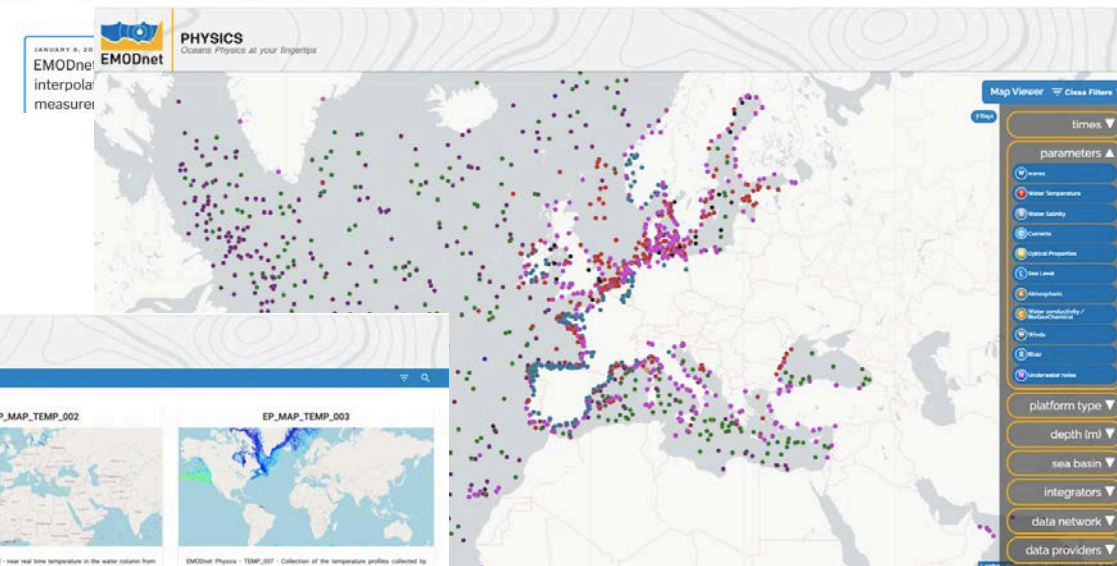
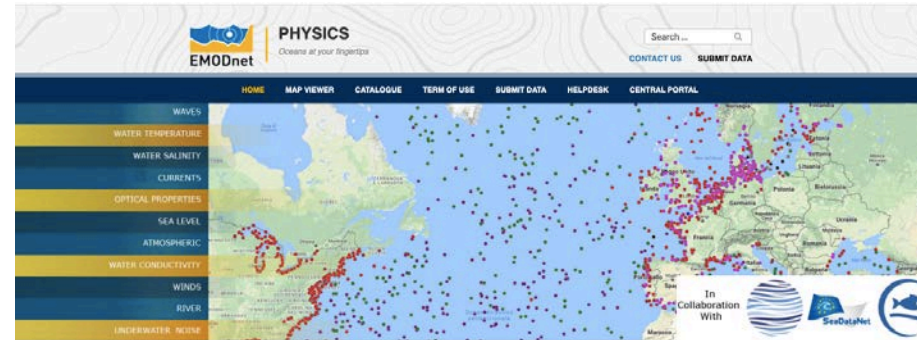
Parameters

- Temperature
- Salinity
- Waves
- Currents
- Sea Level
- Under water noise
- Wind
- Atmospheric param.
- Biogeochemical param.
- Optical properties
- Ice data
- River Runoff**



EMODnet Physics – River Runoff

- Operational outflow river data are collected from sources and harmonized by applying common standards and vocabulary
- Water level are processed by MOHID into river outflow
- Historical data are periodically synch from the Global Runoff Data Center
- Salinity fields at rivers mouth are made integrated by SMOS SSS product
- Total Suspended Matter is computed from an Ocean Color SENTINEL 2 product



River Outflow data

270 river stations

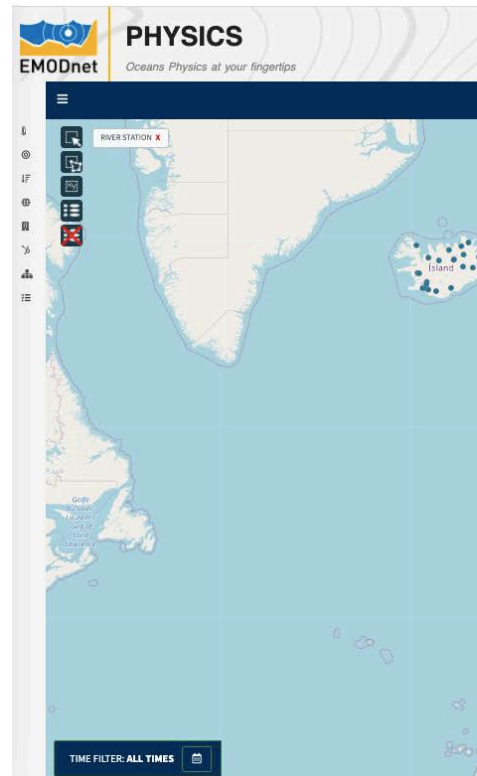
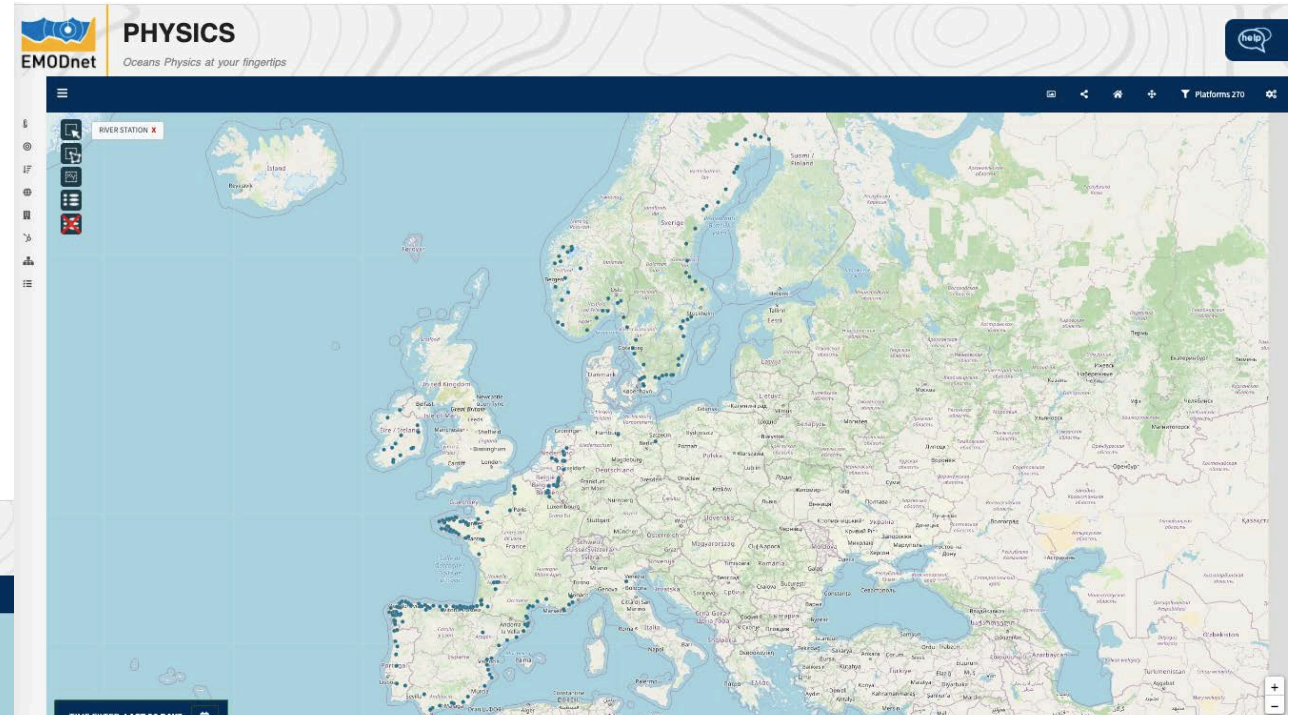
Operational river runoff data

[EMODnet Physics]

760 river stations

river runoff monthly means

[Global Runoff Data Center]



EMODnet Physics ERDDAP
Easier access to scientific data
EMODnet

ERDDAP > search

Do a Full Text Search for Datasets:
RVFL Search

3 matching datasets, with the most relevant ones listed first.
(Or, refine this search with [Advanced Search](#).)

Grid DAP Data	Sub-set	Table DAP Data	Make A Graph	W M S	Source Files	Access-ible	Title	Summary	FGDC, ISO, Metadata
	set	data	graph			public	EMODnet Physics - Collection of (RVFL) TimeSeries Min/Max/Mean - MultiPointTimeSeriesObservation		M bac
	set	data	graph			public	EMODnet Physics - Collection of River Flow Rate (RVFL) TimeSeries - MultiPointTimeSeriesObservation		F I M bac
	set	data	graph			public	EMODnet Physics River Proxy, Institution - IST MARETECH, University of Lisbon		M bac

The information in the table above is also available in other file formats (.csv, .htmlTable, .itx, .json, .jsonCSV1, .jsonCSV, .jsonKVP, .mail, .no, .ncsv, .tsv, .xhtml) via a RESTful web service.

ERDDAP, Version 2.11
[Disclaimers](#) | [Privacy Policy](#) | [Contact](#)

PoPontelagoscuro



7 Days 60 Days Older data

plots are a Runtime undersampled view of the dataset. to see full details open the "preview"

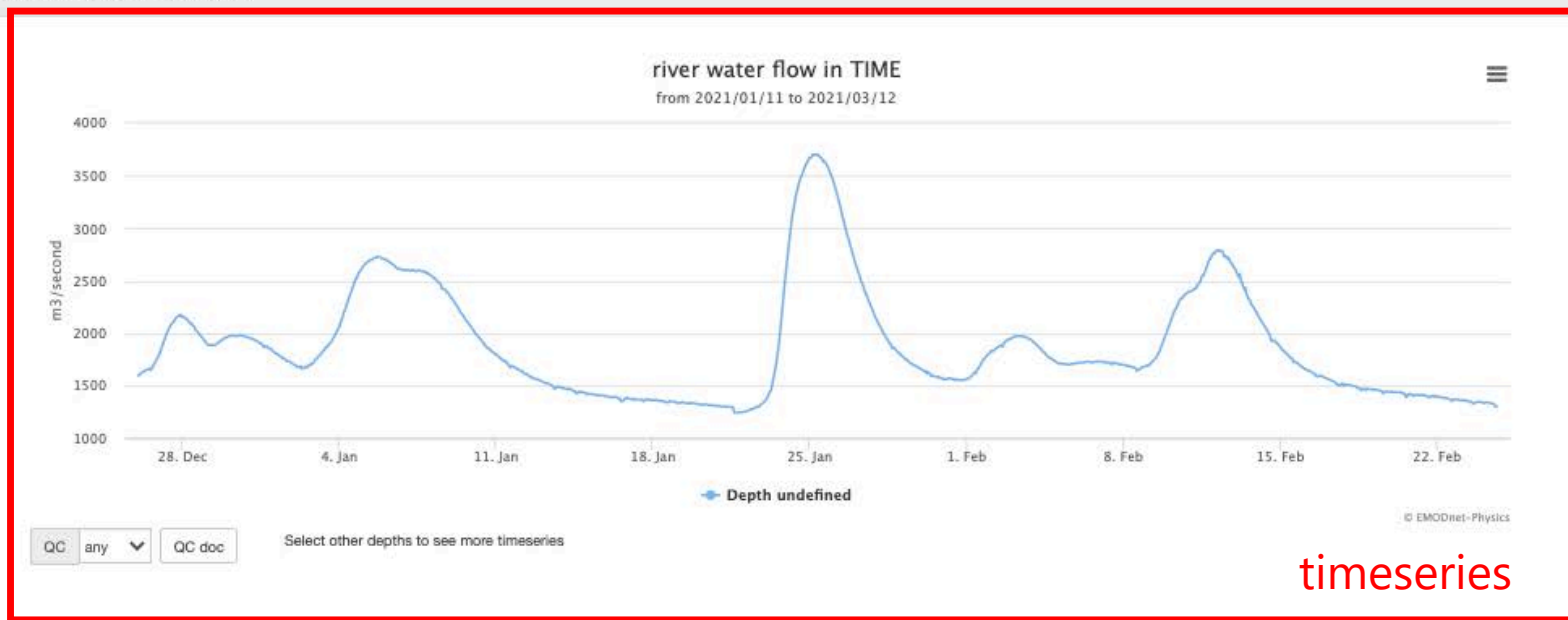
quick download(60 days): select data format and go

[NetCDF](#) [CSV](#) [Download](#) [Preview](#)

download

R

River / river water flow - m3/second



timeseries

arpae

prevenzione
ambiente energia
emilia-romagna

PLATFORM CODE

PoPontelagoscuro

PLATFORM NAME

PoPontelagoscuro

INSTITUTION

Agenzia regionale per la
prevenzione, l'ambiente e l'energia
dell'Emilia-Romagna (Arpae)

ASSEMBLY CENTER

MARETEC, Instituto Superior Tecnico,
Universidade de Lisboa, Portugal

TYPE

river station

PRINCIPAL INVESTIGATOR

MARETEC

metadata

New products landing page

EMODnet **PHYSICS**
Oceans Physics at your fingertips

EMODnet Products

EP_MAP_TEMP_001

EMODnet Physics - TEMP_001 - The page presents the monthly gridded analysis fields of temperature in the water column from the reprocessed (ISAS software) in-situ data collections (1900 - 201x). Based on the Coriolis Ocean database for ReAnalysis (CORA) v.5.2 - Developed by IFREMER for CMEMS

GO TO DETAILS

EP_MAP_TEMP_002

EMODnet Physics - TEMP_002 - near real time temperature in the water column from multi platforms observations. The product presents the latest 7-60 days of measurements from fixed and moving platforms.

GO TO

EP_MAP_TEMP_003

EMODnet Physics - TEMP_007 - Collection of the temperature profiles collected by animal born instrumentation. The marine mammal data were collected and made freely available by the International MEOP Consortium and the national programs that contribute to it (<http://www.meop.net>)

GO TO DETAILS

EP_MAP_Psal_001

EP_MAP_Psal_002

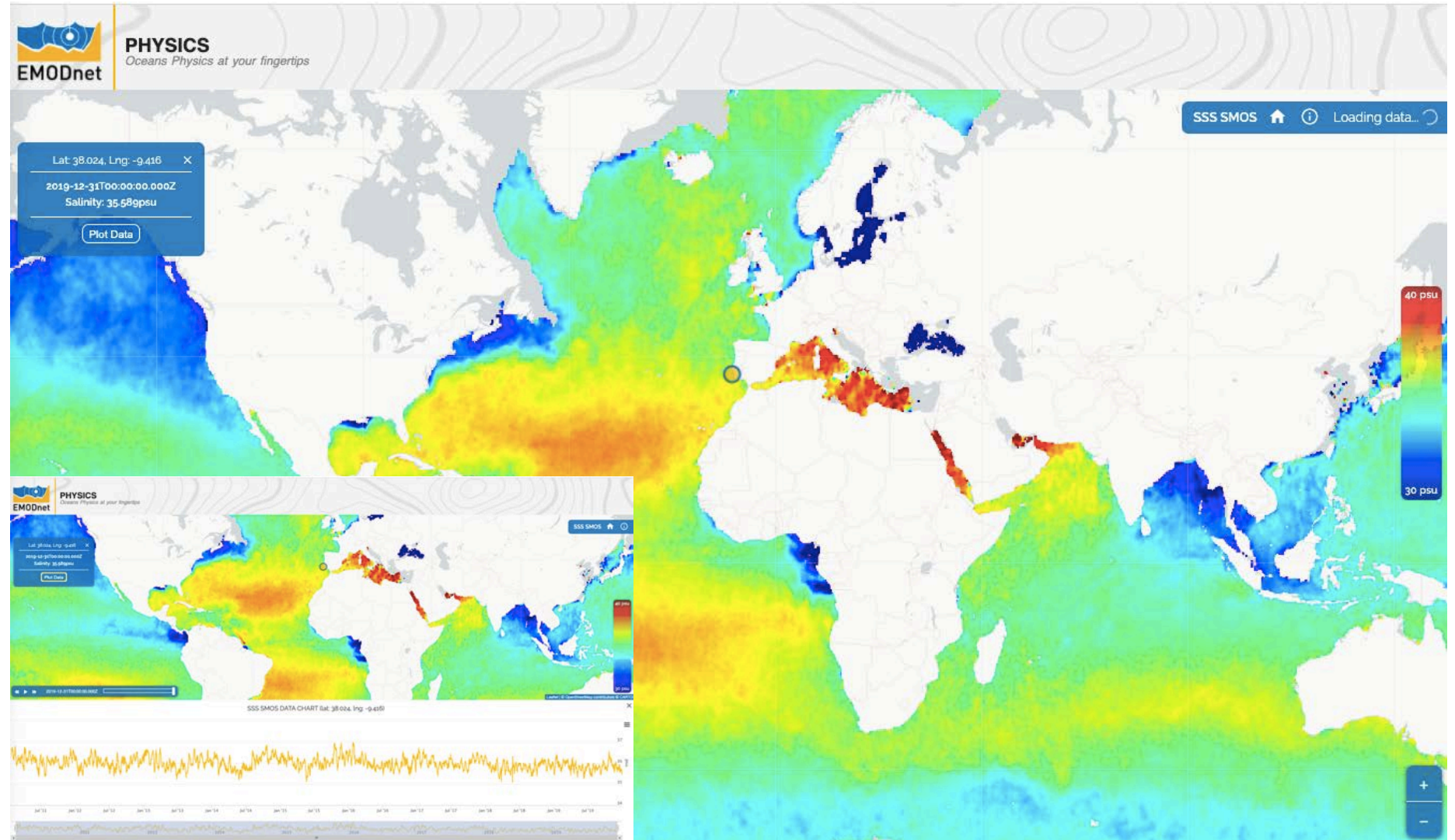
EP_MAP_Psal_003

<https://www.emodnet-physics.eu/map/Products/>

https://www.emodnet-physics.eu/map/Products/EP_MAP_PSAL_004/

The SMOS SSS maps have been generated in the [Barcelona Expert Center](#).

SSS have been retrieved following the algorithm described in Olmedo, E. et al 2019.



https://www.emodnet-physics.eu/map/Products/EP_MAP_RFVL_001/

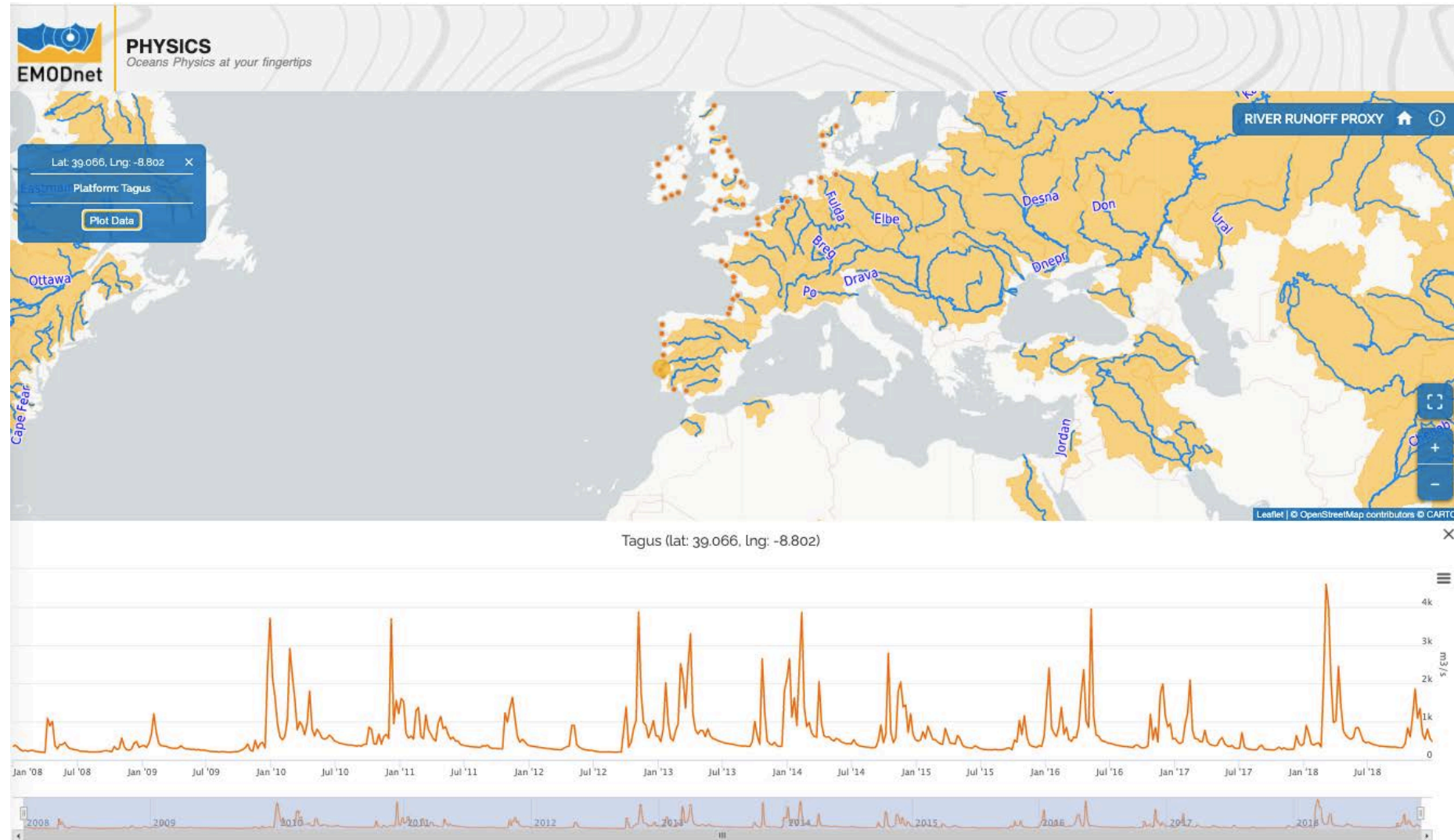
The product is 1D MOHID model that represent estuaries (i.e. proxy) schematically.

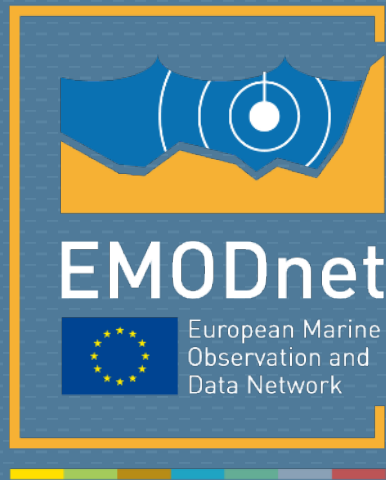
In the open boundary, the model receives tides and water properties such as salinity and temperature.

The model includes the local tides.

Tides were imposed using the Finite Element Solution 2014 (FES2014; Carrère et al., 2016) as the global tidal solution.

In the land boundary, the model is forced in the innermost cell by river flow and temperature.





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