



# European Marine Observation and Data Network

## EMODnet Physics

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# EMODnet Physics

## Goals

Focus on in situ data and reanalysis

Integrates and makes available Ocean Physics data

Build on available infrastructures

Harmonizes and facilitates data access (FAIR)

Common standards and tools

One click away from data

## Data age

Near real-time (NRT) data at in situ observatories at sea

Delayed mode and recovered/reprocessed

Reanalysis, climatology, trend maps, ...

## Parameters

Temperature

Salinity

Waves

Currents

Sea Level

Under water noise

Wind

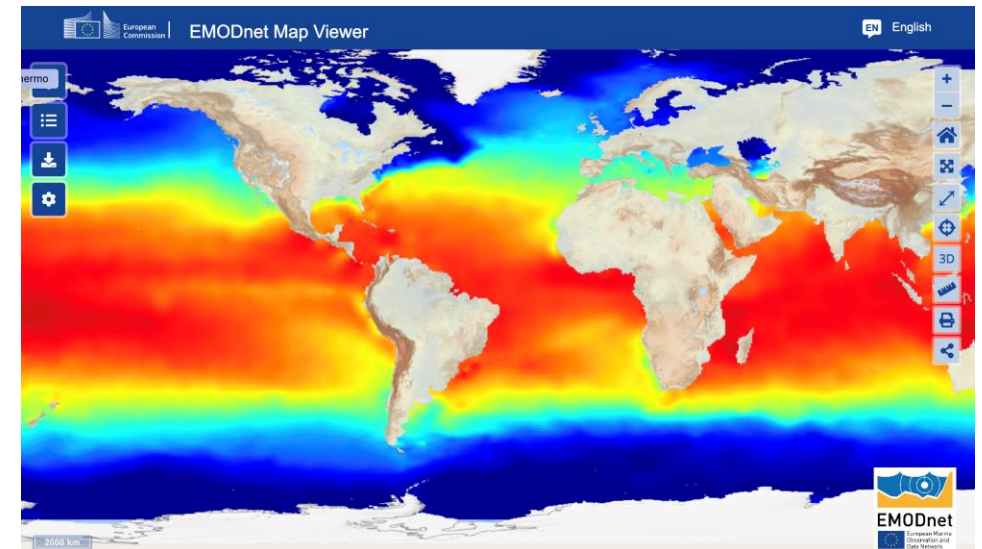
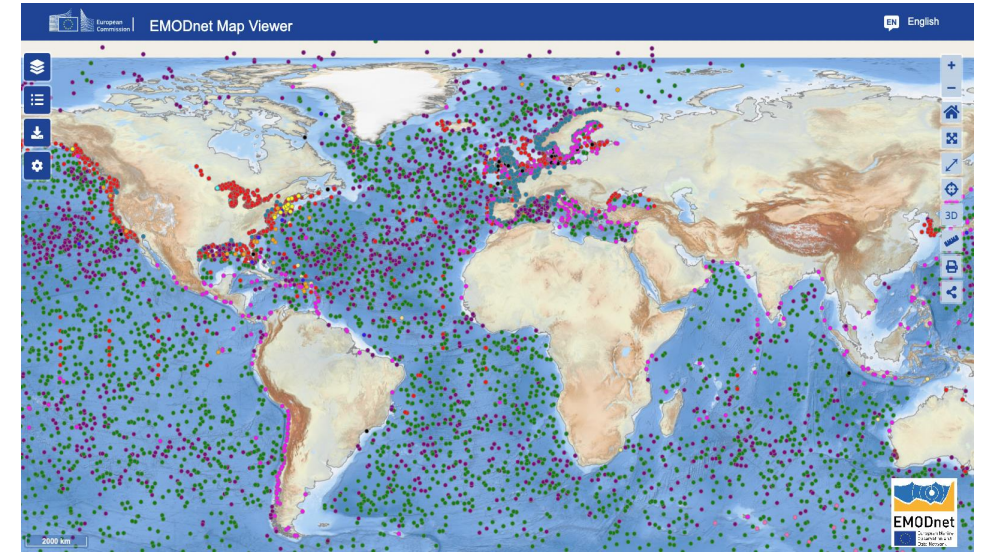
Atmospheric param.

Biogeochemical param.

Optical properties

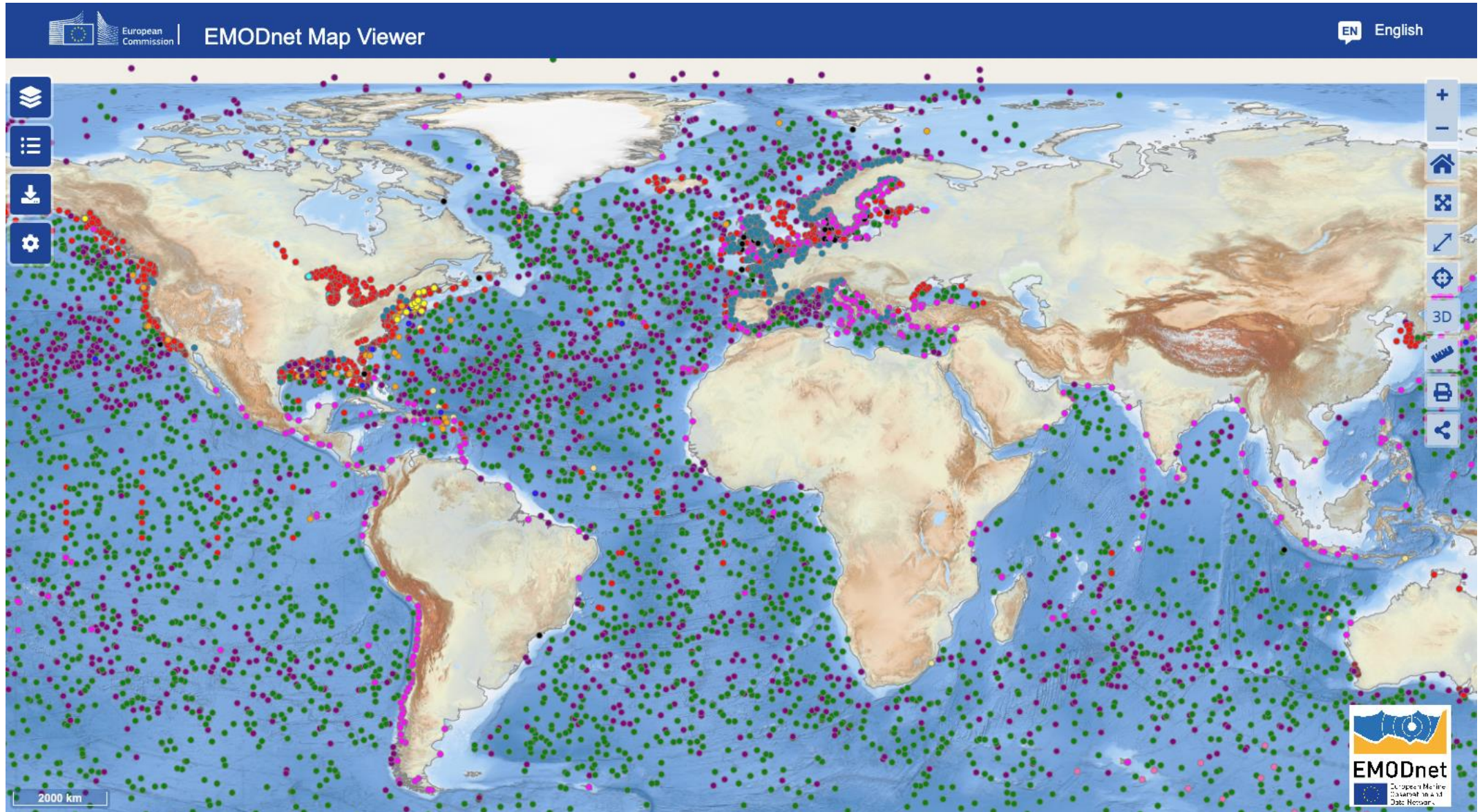
Ice data

River Runoff



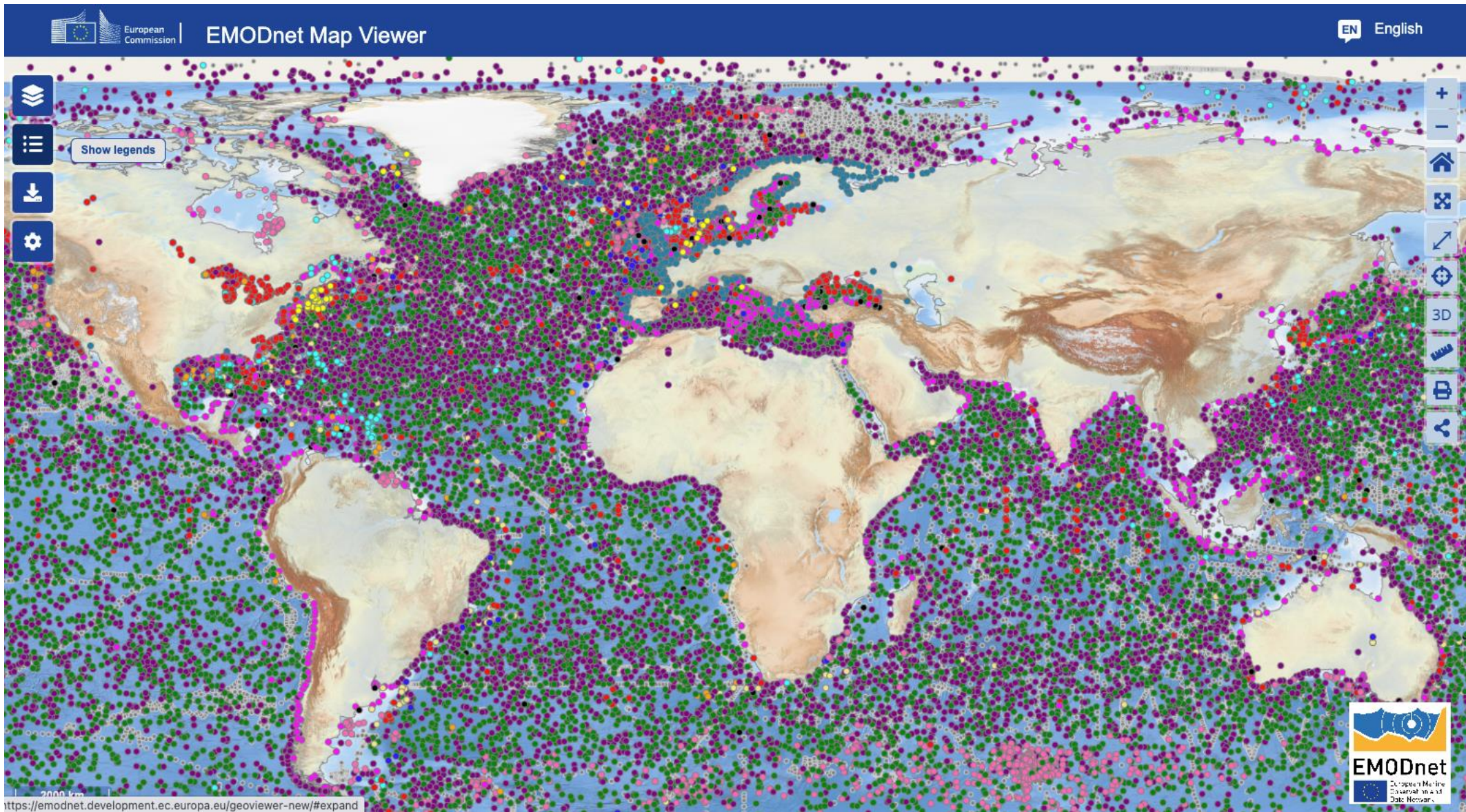


# focus on in situ data collections



*One month of platforms data (circa 7000 platforms)*





>30 years of platforms data



**X**

**Layers** | **Catalogue**

Search layer

- Administrative units >
- EMODnet Bathymetry >
- EMODnet Biology >
- EMODnet Chemistry >
- EMODnet Geology >
- EMODnet Human Activities >
- EMODnet Physics >
- EMODnet Seabed Habitats >
- EU-China EMOD-PACE project >

+ Add external layers

Marine regions: Search for a region ...

Change basemap: EMODNET World Base Layer



# discover and download data

The screenshot displays the EMODnet Map Viewer interface. At the top left, the European Commission logo and the text "EMODnet Map Viewer" are visible. At the top right, there is a language selector set to "EN English". The main area shows a 3D topographic map of the Mediterranean region with several pink and red dots representing platforms. A popup window titled "Platforms (1 of 2)" is open, showing a table with the following data:

Platform ID	Platform Name	Last date	Owner
366783	Genova	15/09/2022	Istituto Superiore per la Protezione e la Ricerca Ambientale ( Italy )\ISPR - Istituto Superiore per la Protezione e la Ricerca Ambientale - Italy\Not Defined\ISPR - Istituto Superiore per la Protezione e la

On the left side of the map, there are navigation icons for layers, menu, download, and settings. On the right side, there are icons for zoom in (+), zoom out (-), home, full screen, pan, compass, 3D view, keyboard, print, and share. A scale bar at the bottom left indicates 500 km. The EMODnet logo and "European Marine Observation and Data Network" text are located at the bottom right of the map area.



Visualizza Ridimensiona 125% Aggiungi categoria Inserisci Tabella Grafico Testo Forma Multimedia Commento Collabora Formattazione Organizza

EN English

Foglio 1

Nome foglio  
Foglio 1

Sfondo

Duplica foglio

Elimina foglio

500 km

EMODnet  
European Marine Observation and Data Network

DateTime	IOC_GE25	RMN-GENOVA
2017-08-03T11:22:59Z		0.07
2017-08-03T11:24:00Z		65
2017-08-03T11:24:59Z		61
2017-08-03T11:26:00Z		56
2017-08-03T11:27:00Z		53
2017-08-03T11:28:00Z		51
2017-08-03T11:28:59Z		52
2017-08-03T11:30:00Z		54
2017-08-03T11:31:00Z		55
2017-08-03T11:32:00Z		57
2017-08-03T11:33:00Z		57
2017-08-03T11:34:00Z		55
2017-08-03T11:35:00Z		55
2017-08-03T11:35:59Z		54
2017-08-03T11:37:00Z		56
2017-08-03T11:38:00Z		57
2017-08-03T11:39:00Z		0.06
2017-08-03T11:40:00Z		61
2017-08-03T11:41:00Z		66
2017-08-03T11:41:59Z		0.07
2017-08-03T11:43:00Z		0.07
2017-08-03T11:43:59Z		69
2017-08-03T11:45:00Z		67
2017-08-03T11:46:00Z		63
2017-08-03T11:47:00Z		57
2017-08-03T11:48:00Z		54
2017-08-03T11:48:59Z		52

### Layers

**Active**

- Platforms
- Coastlines

**Catalogue**

Clear all layers

Marine regions

Change basemap

### Filter layers

**Predefined filters**

**data owner**

**depth (m)**

**parameters**

**platform type**

**sea basin**

**time**

**integrators**

**Date range**  
Start date  End date

**Bounding box**

500 km



The interface features a central map of the Mediterranean region with numerous colored data points (red, green, purple, black) scattered across the sea. On the left, a sidebar contains navigation icons: a close button (X), a menu icon (three horizontal lines), a download icon, and a settings icon (gear). The main sidebar is divided into two tabs: 'Layers' and 'Catalogue'. Under the 'Layers' tab, there are two active layers: 'Platforms' and 'Coastlines'. Each layer has a visibility toggle (eye icon), a zoom control (slider), and a delete icon (trash can). Below the layers, there is a 'Clear all layers' button. At the bottom of the sidebar, there are two search boxes: 'Marine regions' with a dropdown arrow and 'Change basemap' with a dropdown arrow showing 'EMODNET World Base Layer'. A scale bar at the bottom left indicates '500 km'. On the right side of the map, there is a vertical toolbar with icons for zooming in (+) and out (-), home, full screen, pan, measure, 3D view, keyboard shortcuts, print, and share. The EMODnet logo is located in the bottom right corner of the map area.






































# ERDDAP > tabledap > Data Access Form


Dataset Title: **EMODnet Physics - Collection of River Flow Rate (RVFL) TimeSeries - MultiPointTimeSeriesObservation**  

Institution: EMODnet Physics (Dataset ID: ERD\_EP\_RVFL\_NRT)

Information: [Summary](#) | [License](#) | [FGDC](#) | [ISO 19115](#) | [Metadata](#) | [Background](#) | [Subset](#) | [Files](#) | [Make a graph](#)

Variable 	<input type="checkbox"/> Check All <input type="checkbox"/> Uncheck All	Optional Constraint #1 	Optional Constraint #2 	Minimum  or a List of Values 	Maximum 
<input checked="" type="checkbox"/> EP_PLATFORM_ID (EMODnet Platform ID) 		>= <input type="text" value="*054108"/>	<= <input type="text"/>	<input type="text" value=""/>	
<input checked="" type="checkbox"/> EP_PLATFORM_TYPE (EMODnet Platform Type) 		>= <input type="text"/>	<= <input type="text"/>	<input type="text" value=""/>	
<input checked="" type="checkbox"/> EP_PLATFORM_CODE (EMODnet Platform Code) 		>= <input type="text"/>	<= <input type="text"/>	<input type="text" value=""/>	
<input checked="" type="checkbox"/> EP_PLATFORM_LINK (EMODnet Platform Link) 		>= <input type="text"/>	<= <input type="text"/>	<input type="text" value=""/>	
<input checked="" type="checkbox"/> time (Valid Time GMT, UTC) 		>= <input type="text" value="2022-09-08T15:32:08Z"/>	<= <input type="text"/>	<input type="text" value="1920-01-01T00:00:00Z"/>	<input type="text" value="2022-09-14T22:15:00Z"/>
<input checked="" type="checkbox"/> TIME_QC (quality flag, 1) 		>= <input type="text"/>	<= <input type="text"/>	<input type="text" value="0"/>	<input type="text" value="1"/>
<input checked="" type="checkbox"/> depth (m) 		>= <input type="text"/>	<= <input type="text"/>	<input type="text" value="0.0"/>	<input type="text" value="9.96921E36"/>
<input checked="" type="checkbox"/> DEPTH_QC (quality flag, 1) 		>= <input type="text"/>	<= <input type="text"/>	<input type="text" value="7"/>	<input type="text" value="9"/>
<input checked="" type="checkbox"/> pres (Sea pressure, dbar) 		>= <input type="text"/>	<= <input type="text"/>	<input type="text" value="0.0"/>	<input type="text" value="9.96921E36"/>
<input checked="" type="checkbox"/> PRES_QC (quality flag, 1) 		>= <input type="text"/>	<= <input type="text"/>	<input type="text" value="7"/>	<input type="text" value="9"/>
<input checked="" type="checkbox"/> latitude (degrees_north) 		>= <input type="text"/>	<= <input type="text"/>	<input type="text" value="25.87675"/>	<input type="text" value="70.13985"/>
<input checked="" type="checkbox"/> longitude (degrees_east) 		>= <input type="text"/>	<= <input type="text"/>	<input type="text" value="-123.1835"/>	<input type="text" value="27.26074"/>
<input checked="" type="checkbox"/> POSITION_QC (quality flag, 1) 		>= <input type="text"/>	<= <input type="text"/>	<input type="text" value="0"/>	<input type="text" value="7"/>
<input checked="" type="checkbox"/> RVFL (river flow rate, m3/s) 		>= <input type="text"/>	<= <input type="text"/>	<input type="text" value="-2147483.8"/>	<input type="text" value="1.3720603E7"/>
<input checked="" type="checkbox"/> RVFL_QC (river flow rate quality flag, 1) 		>= <input type="text"/>	<= <input type="text"/>	<input type="text" value="0"/>	<input type="text" value="9"/>
<input checked="" type="checkbox"/> RVFL_DM 		>= <input type="text"/>	<= <input type="text"/>		<input type="text" value="R"/>
<input checked="" type="checkbox"/> site_code 		>= <input type="text"/>	<= <input type="text"/>		
<input checked="" type="checkbox"/> platform_code 		>= <input type="text"/>	<= <input type="text"/>		
<input checked="" type="checkbox"/> platform_name 		>= <input type="text"/>	<= <input type="text"/>		
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<input checked="" type="checkbox"/> area 		>= <input type="text"/>	<= <input type="text"/>		
<input checked="" type="checkbox"/> author 		>= <input type="text"/>	<= <input type="text"/>		
<input checked="" type="checkbox"/> source 		>= <input type="text"/>	<= <input type="text"/>		
<input checked="" type="checkbox"/> contributor_name 		>= <input type="text"/>	<= <input type="text"/>		
<input checked="" type="checkbox"/> contributor_url 		>= <input type="text"/>	<= <input type="text"/>		
<input checked="" type="checkbox"/> data_assembly_center 		>= <input type="text"/>	<= <input type="text"/>		
<input checked="" type="checkbox"/> institution_edmo_code 		>= <input type="text"/>	<= <input type="text"/>		
<input checked="" type="checkbox"/> institution_references 		>= <input type="text"/>	<= <input type="text"/>		
<input checked="" type="checkbox"/> institution 		>= <input type="text"/>	<= <input type="text"/>		

## Server-side Functions

distinct() 

( " " " "

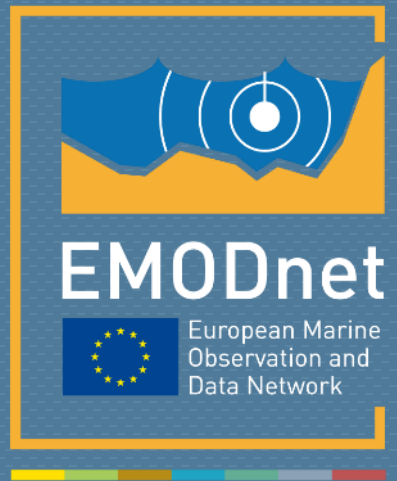
" "

File type: [\(more info\)](#)



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	<a href="https://erddap.emodnet-physics.eu/erddap/tabledap/EP_ERD_INT_RVFL_AL_TS_NRT.csv?EP_PLATFORM_ID%2Ctime%2CRVFL&amp;EP_PLATFORM_ID=%22ID%22">https://erddap.emodnet-physics.eu/erddap/tabledap/EP_ERD_INT_RVFL_AL_TS_NRT.csv?EP_PLATFORM_ID%2Ctime%2CRVFL&amp;EP_PLATFORM_ID=%22ID%22</a>																
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[emodnet.ec.europa.eu](http://emodnet.ec.europa.eu)

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