



EMODnet Physics status update

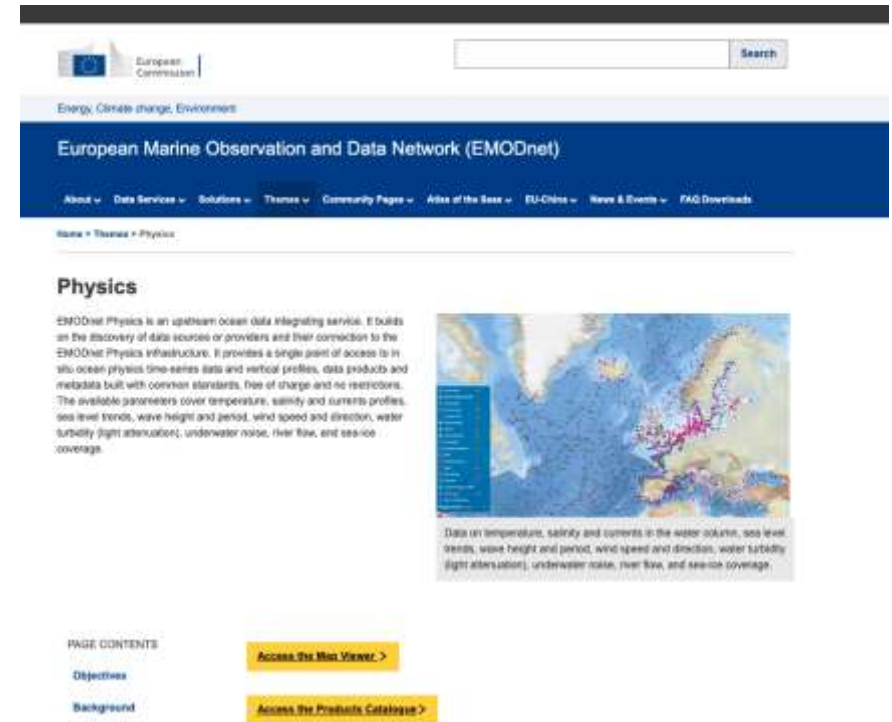
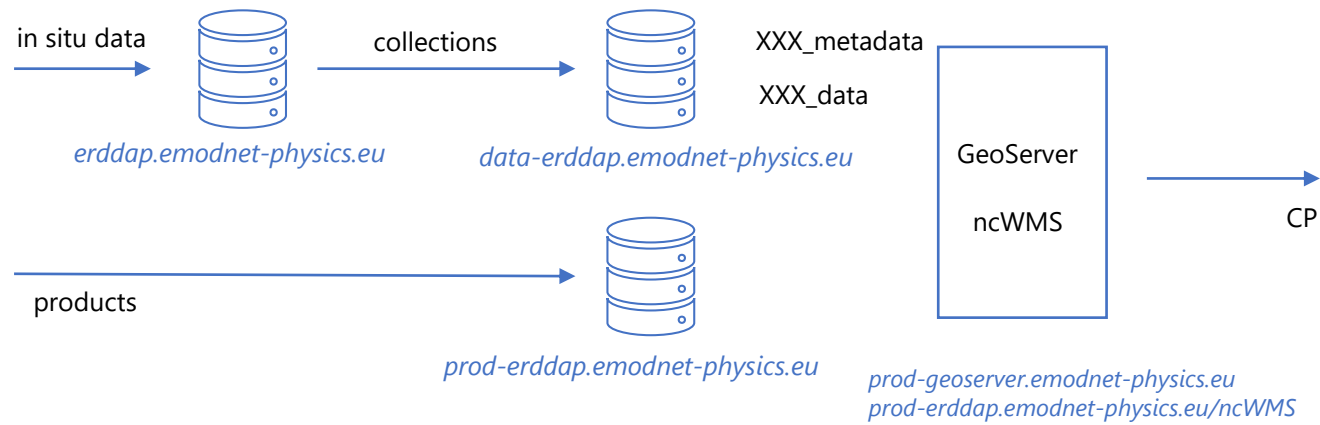
14th EMODnet Technical Working Group
18 October 2023

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Physics

Status update

- Deliverables and Final Report submitted
- Published a guideline/standard paper (EuroGOOS) on river DM
- Static Page - updated in contents and with links
- Geoviewer - updated the html to present data (series/prof)
- Backend – updated in design and contents



Products & Collections

Products

- Temperature & Salinity - 7
- Temperature - 3
- Salinity - 6
- Sea level - 3
- Underwater noise – 2
- Optical Properties – 4
- Multi Themes – 2

Collections – 66

- River outflow
- Sea level (5m, 60 min)
- HFR
-

prod-erddap.emodnet-physics.eu/erddap/info/index.html?page=1&itemsPerPage=1000

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> List of All Datasets

ts, listed in alphabetical order.

Make A Graph	W M S	Source Data Files	Title	Summary	FGDC, ISO, Metadata	Background Info	RSS	Email
graph			* The List of All Active Datasets in this ERDDAP *		M	background		
graph	M		CORA: Objective analysis in Delayed Mode - Temperature and Salinity in the Water Column (1960 - 2021) objective analysis in Delayed Mode		F I M	background	RSS	Subs
graph	M		CORA: Objective analysis in Delayed Mode - Temperature and Salinity in the Water Column (1960 - 2021) objective analysis in Delayed Mode		F I M	background	RSS	Subs
graph	M		CORA: Objective analysis in Delayed Mode - Temperature and Salinity in the Water Column (1960 - 2021) objective analysis in Delayed Mode		F I M	background	RSS	Subs
graph	M	files	EMODnet - Regional sea level trends are derived from the GLORYS12v1 delayed-time (DT-2018 version)		F I M	background	RSS	Subs
graph	M	files	EMODnet Physics - Absolute Sea Level Trend		F I M	background	RSS	Subs
graph	M	files	EMODnet Physics - Deseasonalized Sea Level monthly means Global Oceans		F I M	background	RSS	Subs
graph	M	files	EMODnet Physics - SALINITY ANOMALY 10 YEARS		F I M	background	RSS	Subs
graph	M	files	EMODnet Physics - SALINITY ANOMALY 20 YEARS		F I M	background	RSS	Subs
graph	M	files	EMODnet Physics - SALINITY ANOMALY 30 YEARS		F I M	background	RSS	Subs
graph	M	files	EMODnet Physics - TEMPERATURE ANOMALY 10 YEARS		F I M	background	RSS	Subs

data-erddap.emodnet-physics.eu/erddap/info/index.html?page=1&itemsPerPage=1000

tion st... Gridded data, Net... Delayed mode dat...

ERDDAP > List of All Datasets

66 matching datasets, listed in alphabetical order.

Grid DAP Data	Table DAP Data	Make A Graph	W M S	Source Data Files	Title	Summary	FGDC, ISO, Metadata	Background Info	RSS	Email	Institution	Dataset ID
		graph			* The List of All Active Datasets in this ERDDAP *		M	background			EFT S.p.A. - Prop...	@Datasets
		graph			EMODnet Physics - Collection of dissolved oxygen (DOXY) TimeSeries - MultiPointTimeSeriesObservation		F I M	background	RSS		EMODnet Physics	ERO_EP_TS_DOXY_NRT
		graph		file	EMODnet Physics - Collection of dissolved oxygen (DOXY) TimeSeries - MultiPointTimeSeriesObservation - METADATA		F I M	background	RSS		EMODnet Physics	ERO_EP_TS_DOXY_NRT_METADATA
		graph			EMODnet Physics - Collection of generic significant wave height (Hs) (VQHE) TimeSeries - MultiPointTimeSeriesObservation		F I M	background	RSS		EMODnet Physics	ERO_EP_TS_VQHE_NRT
		graph		file	EMODnet Physics - Collection of generic significant wave height (Hs) (VQHE) TimeSeries - MultiPointTimeSeriesObservation - METADATA		F I M	background	RSS		EMODnet Physics	ERO_EP_TS_VQHE_NRT_METADATA
		graph		file	EMODnet Physics - Collection of platform metadata		F I M	background	RSS		EMODnet Physics	EP_PLATFORMS_METADATA
		graph		file	EMODnet Physics - Collection of platform metadata ctd		F I M	background	RSS		EMODnet Physics	EP_PLATFORMS_METADATA_CTD
		graph			EMODnet Physics - Collection of practical salinity (PSAL) Profiles - MultiPointProfilesObservation		F I M	background	RSS		EMODnet Physics	ERO_EP_PR_PSAL_NRT
		graph		file	EMODnet Physics - Collection of practical salinity (PSAL) Profiles - MultiPointProfilesObservation - METADATA		F I M	background	RSS		EMODnet Physics	ERO_EP_PR_PSAL_NRT_METADATA
		graph			EMODnet Physics - Collection of practical salinity (PSAL) TimeSeries - MultiPointTimeSeriesObservation		F I M	background	RSS		EMODnet Physics	ERO_EP_TS_PSAL_NRT
		graph		file	EMODnet Physics - Collection of practical salinity (PSAL) TimeSeries - MultiPointTimeSeriesObservation - METADATA		F I M	background	RSS		EMODnet Physics	ERO_EP_TS_PSAL_NRT_METADATA

Plans

- Annual meeting – back to back Jamboree and jointly with Ingestion
- Complete the work on data-collections
- Review “in situ filter” specs (in collaboration with CP team)
- Add update/products
- Clean up the catalogue
- Develop new (internal) workflow for providing CT with news/newsletters
- Develop (internal) KPI to complement CT indicators

Table 1. Platforms on EMODnet Physics (01/07/2020)

ARGO Floats	CTDs	Drifting Buoys	FerryBox and Ship	gliders	sea mammals	mini loggers	moorings	radar	river stations	tide gauges
5448	779444	14623	322	226	2141	182	4065	156	680	3504

Table 2. Platforms on EMODnet Physics (23/08/2021)

ARGO Floats	CTDs	Drifting Buoys	FerryBox and Ship	gliders	sea mammals	mini loggers	moorings	radar	river stations	tide gauges
8356	2371105	14879	332	226	2381	196	3483	157	877	3675

Table 3. Platforms on EMODnet Physics (01/08/2023) – now discoverable on the Central Portal

ARGO Floats	CTDs	Drifting Buoys	FerryBox and Ship	gliders	sea mammals	mini loggers	moorings	radar	river stations	tide gauges
13110	3061433	19400	440	276	2814	213	5006	164	971	5483

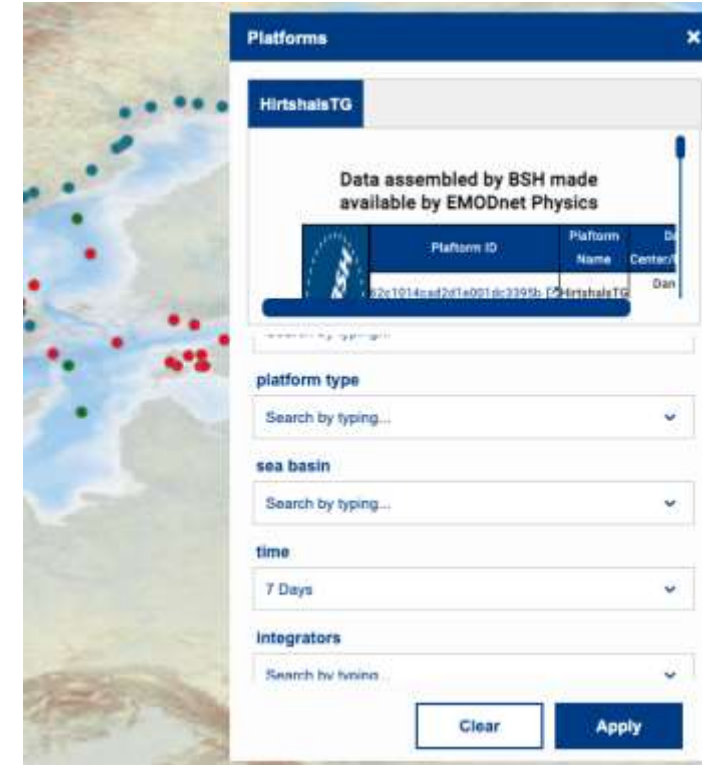
Jira tickets

Following issues require follow-up by the thematic:

- EM-210 - GetLegendGraphic not supported for High Frequency Radar WMS.
- EM-590 - EMODnet Physics - Table of products specs.
- EM-596 - EMODnet Physics Catalogue Service to Harvest.
- EM-829 - Map physics layers used in the Atlas from old physics geoserver to new physics geoserver.
- increase of the VMs RAM → done (yesterday)

Following issues related to the thematic require follow-up by the Central Portal team:

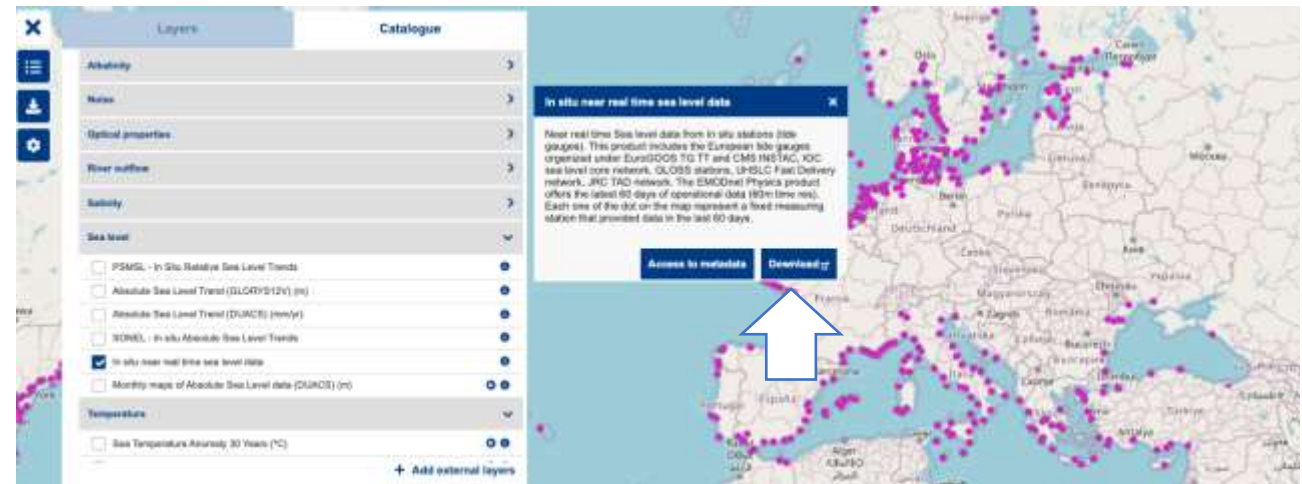
- EM-627 - Animation of Physics layers with many timesteps triggering DDOS protection.
- EM-724 - EMODnet Physics - Platforms filters improvement.
- EM-833 - Update temperature colorscale range.

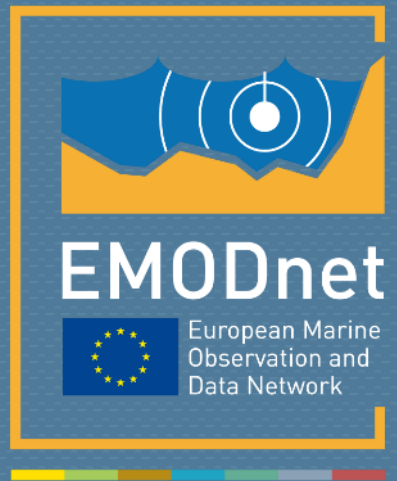


Whish list

- implement “Europa analytics” monitoring (with segments) on the geoviewer
- new “in situ” filter layout (TBD with CP)
- add Polar Projection
- implement buffering and tailing for big products (e.g. Temperature - CORA)
- add data download in the metadata popup (TBD with CP)
 - from geo-layer to data-collection
- indicator 4 (monitoring) – to access to stats for the period (e.g. download)

Type	Name	Status	Reliability
Catalogue Service (CSW)	EMODnet Physics (2008)	✓	99.67%
Catalogue Service (CSW)	EMODnet Physics (2008) - low	✓	99.78%
Web Address (URL)	EMODnet Chemistry ERCEP - low	✓	99.74%
Web Address (URL)	EMODnet Physics ERCEP	✓	99.81%
Web Feature Service (WFS)	EMODnet Physics (WFS) - low	✓	99.84%
Web Map Service (WMS)	EMODnet Physics ERCEP (WMS)	✓	99.81%
Web Map Service (WMS)	EMODnet Physics (WMS) - low	✓	99.78%





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