

EMODnet Physics progress updates

17th EMODnet Steering Committee
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Project Progress: Overview of Deliverables and Milestones (to do/pending/done)

	planned by	new	apr	may	jun	jul	ago	sep	oct	nov	dec	jan	feb	mar	apr	may	jun	jul	ago
			M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24
D1.2 Annual assembly	30/11/22									x									
D1.9 EMODnet SC	30/11/22									x									
D1.13 EMODnet plenary event	31/12/22									x									
D1.14 EMODnet plenary event	30/06/23																x		
D1.20 Quarterly report Q4.2022	15/01/23											x							
D1.21 Quarterly report Q1.2023	15/04/23														x				
D1.22 Quarterly report Q2.2023	15/07/23																	x	
D1.23 Annual progress report	23/08/22																		x
D1.24 Final progress report	23/08/23																		x
D1.25 Handover note	23/08/23											x							x
D1.27 EMODnet Physics note for Annual Report 2022	31/01/23											x							
D1.31 Guideline on data ingestion procedures for new real time and near real time streams v.2023	23/08/23																		x
D1.34 Use cases 2023	23/08/23																		x
D1.39 TGs - RSCs events attendance	30/06/23																x		
D3.3 Report on the SOS.SWE connected stations v.2023	23/08/23																		x
D3.4 Handbook on procedure to set up SOS.SWE interoperability	23/08/23																		x
D3.7 new APIs v.2023	23/08/23																		x
D3.10 handbook to use EMODnet Physics APIs v.2023	23/08/23																		x
D3.15 Maintenance and update of EMODnet Physics catalogue v.2023	23/08/23																		x

timing of deliverables (X)
in orange the ones that have been replanned (with the new timing)

management and data management deliverables pretty in line with schedule

Project Progress: Overview of Deliverables and Milestones (to do/pending/done)

			apr	may	jun	jul	ago	sep	oct	nov	dec	jan	feb	mar	apr	may	jun	jul	ago	
D2.3 Data Inventory with gap analysis v.2023	23/08/23																			x
D2.7 EMODnet Physics Event/Workshop	30/04/23														x					
D2.9 Report on the maintenance and update of the EMODnet Physics smart connectors v.2023	23/08/23																			x
D2.11 Support to develop common strategy and guideline for adoption cloud technologies	23/08/23																			x
D2.14 Report on dissemination system interfaces update v.2023	23/08/23																			x
D2.17 Updated list of EMODnet Physics products v.2023	23/08/23																			x
D2.19 SSS v.2021	28/02/23												x							
D2.21 River Proxy V2.0	31/08/22	31/12/22					x													
D2.22 River Proxy V3.0	23/08/23																			x
D2.24 TSM v.2021	28/02/23												x							
D2.28 SLEV REL ANOM	31/08/22	31/12/22					x													
D2.30 RFVL v.1	28/02/23												x							
D2.31 UWN ROI v.1.0	31/08/22	Postponed					x													
D2.32 WAVE INS DB+ NOWCAST v.2.0	28/02/22	Delayed	x																	
D2.33 WIND INS DB+ NOWCAST v.2.0	28/02/22	Delayed	x																	
D2.38 TGs - RSCs events attendance	30/06/23																			x

some products have been postponed to have more time to process/develop (also to make the integration in the central portal easier and smoother)

Key Actions/Milestones

05/07/2022	European Glider Data Management Workshop - https://www.groom-ri.eu/european-glider-data-management-workshop-agenda-2/	To discuss about standards and interoperability
04/08/2022	<i>Open Science Conference</i> - SCAR OSC data session: Sharing science data FAIRly to support interdisciplinary research collaboration	To promote on data sharing and EU standards adoption
16/09/2022	NOAA – ERDDAP workshop. We were invited to present on EMODnet Physics use case, use and feedback	
23-25/09/2022	WhyBio is an annual event to build change from the bottom, in a sustainable and conscious way. It is a dissemination event to engage civil society towards a more sustainable attitude. It is attended by around of 15.000 visitors.	VR experience to inform on climate change by using EMODnet Physics data and products
25/09/2022	Salone Nautico 2022 – International Boat Show – The sustainability comes from the sea: living experiences according to the One Health Approach Workshop.	to discuss about sustainability and oceans
11/10/2022	GreenBlueDays – workshop on susatianbility	To discuss about sustainability of port cities and maritime industry
17-18/10/2022	Pan-European Sea Level Rise Conference 2022	To bring together researchers, stakeholders and policy professionals in Venice to exchange on regional to local sea level change in Europe
27/09/2022	The Future of Research Infrastructure in the Arctic- organised by members of ARICE, INTERACT, FARO & EPB	To discuss about data in the arctic areas

Progress on data and geographic coverage

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

Some parameters are more “global” (e.g. Temperature, Sea Level) □
global coverage benefit from international programs (e.g. ARGO, GLOSS)

In general there is a good flow from public operational ocean initiatives/projects (EuroGOOS members, ICES, NODC)

gaps at very local/coastal areas (and small universities/agencies/private sect)

River/Noise are more “regional” and more scattered (e.g. Noise better org in northern area – OSPAR/HELCOM – linked in by ICES)

Ice data mainly from international initiatives (e.g. International Arctic Buoy Program and ships) - need to organize/make visible linked parameters (e.g. radiation/back scatter radiation/in situ snow ...)

Currents, known operational initiatives are liked (locally HFR, globally Drifting buoys) – gaps in local experiments studies

Progress on data and geographic coverage

Parameters	Availability / integrability [1-5]	Coverage [1-5]	stakeholders interest [1-5]	relevance of topic [1-5]	Readiness Score
Temperature	4	4	5	5	64%
Salinity	4	3	4	4	75%
Waves	2	2	5	5	16%
Currents	3	2	3	3	67%
Sea Level	4	3	5	5	48%
Under water noise	1	2	2	5	20%
Wind	3	3	5	5	36%
Atmospheric param.	3	3	4	4	56%
Optical properties	2	2	2	3	67%
Ice data	2	2	3	5	27%
River Runoff	4	3	5	5	48%

Readiness Score = (availability*Coverage)/(interest*hotness)

availability/integrability in Physics according known sources

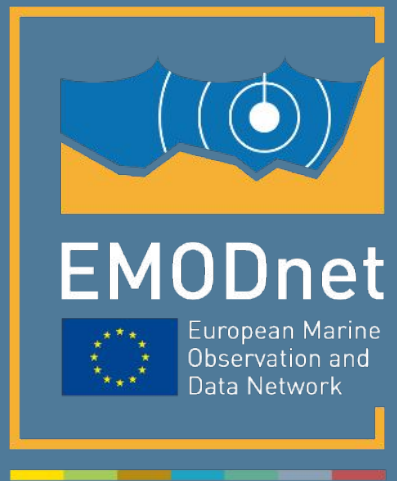
interest = how often we are asked about that parameter

relevance = related to IPCC, MSFD, Climate Change, Green Deal ...

scores are very subjective,
confirm we need to keep working

Progress on data and geographic coverage

- Overview of why we can't access missing data for unlocking via EMODnet;
 - small targeted (supported) actions to allocate personnel/set up interoperability tools when missing
 - small targeted (supported) actions to proof concepts with new networks/communities (e.g. EMANEDS)
- What can we do more to ensure these are ingested/opened
 - delivery/availability of new ocean data into EMODnet as a key performance indicator/specific impact indicator for Horizon Europe (marine observation) projects
 - CC-BY (license on data)
 - Reports (e.g. MFSD) to come together with links to (raw) data (similar to scientific publications)



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