



EMODnet



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Observation and
Data Network

Secretariat for EMODnet and the European Atlas of the Seas

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EMODnet Secretariat progress update – Q1-Q4 2025

This report contains an update of EMODnet progress made over the year of 2025, based on the quarterly progress updates of the EMODnet projects currently running (i.e., seven thematic lots, and Data Ingestion facility) supplemented with updates from the Secretariat. In agreement with CINEA and DG MARE in 2024-2025 the consolidation report moved from a quarterly to an annual report, bringing together a progress update for the full calendar year. This report builds on the 2024 D3.10.

1 EMODnet progress overview

1.1 General progress highlights

In the course of 2025, the Secretariat facilitated and/or (co)led the development of several new outputs to enhance pan-EMODnet communication and stakeholder engagement, also including the development of EMODnet events and public strategic documents e.g., the EMODnet Vision 2025. Specifically, this included:

The development of eight new [use cases](#) and the facilitation of an updated template and scope for data sharing success story, to be further operationalised in Spring 2026, five new [technical blogs](#) led by the Secretariat, in collaboration with the EMODnet Central Portal technical team and Coordinators and the addition of two new [Associated Partners](#) i.e. XEOS by Satlink, and Cousteau Divers.

In early 2025 the Secretariat facilitated and led the development of an EMODnet response to the European Ocean Pact Call for Evidence. This engaged all EMODnet Coordinators to forge a joint EMODnet Steering Committee response. This assisted in the development of key statements on EMODnet's central role in the EU and global marine knowledge value chain, and produced multiple inputs that have been taken forward for strategic communication and common messaging, used e.g., at the UN Ocean Conference in June 2025 and at an EMODnet delegation meeting with Commissioner for Fisheries and Oceans Costas Kadiris in July 2025.

On 23 September 2025, the EMODnet Secretariat hosted its annual EMODnet for Business online workshop, engaging for this edition the not-for-profit sector “**EMODnet Marine Knowledge for Non-Governmental Organisations**” in collaboration with the European Commission's DG MARE. The workshop focused on NGO Marine Knowledge needs for the European Ocean Pact, and focused on the existing and emerging demand for NGOs to utilise EMODnet, and data sharing opportunities. Participants included representatives from the 'Blue' network of Brussels-based NGOs, other organisations active in citizen science, marine conservation, and policy advocacy, EMODnet (Secretariat, thematic experts), EMODnet Associated partner Voice of the Ocean, the EC DG MARE and CINEA. A [workshop report](#) is available for download.

November 2025 marked the launch of the **EMODnet Community Vision 2035**, developed by members of the EMODnet community as a response to the European Ocean Pact. This provides tangible recommendations for how EMODnet as the European Union's *in situ* marine data service can scale and expand, to realise its full potential as a cornerstone of European marine knowledge, to serve the Ocean Pact and the EU Ocean Observation Initiative, to deliver the *in situ* component of the European Digital Twin Ocean, to support the Blue Economy, and to be a world-class regional data service. The Secretariat led the full process, facilitating the setting up of a Vision Drafting Group (VDG) with more than 30 EMODnet and wider representatives, hosting and reporting on VDG meetings (see D3.6 From end 2024) Targeted assessment for the process). More information is available on the dedicated [EMODnet Vision 2035 webpage](#), from which the summary and full versions are available for (free and open) download.

In late November, EMODnet delivered the latest edition of its [EMODnet Open Conference and Jamboree 2025](#) which took place on 25–26 November 2025 at the Nhow Hotel in Brussels. The fourth edition of the Conference brought together more than 450 participants from 33 countries and around 140 organisations, including 306 onsite attendees, 457 online viewers, and 42 speakers. A [highlights video](#) has been produced and the Conference report will be made public in Spring 2026. This event and the EMODnet partner Jamboree took place back-to-back with the Digital Ocean Forum 2025, with EMODnet central to the full week of EU Marine Knowledge events, not least in its structural role as the *in situ* marine data component of the European Digital Twin Ocean.

1.2 Specific progress and achievements of the thematic data assembly groups and data ingestion

The year 2025 marked the end of the current contract for most of the thematic lots (Human Activities, Biology, Physics, Geology, Seabed Habitats, Chemistry), meaning that many datasets and products were updated with data gathered over the past two years and the publication of new data products. Each thematic lot started a new contract, seamlessly following the previous contract, and accompanied with new workplans and new prospects in terms of collection of new datasets and development of new data products.

- Over the course of the year 2025, nearly all data providers from the [EMODnet Bathymetry](#) consortium contributed datasets thereby increasing the number of datasets from 43,092 Common Data Infrastructure (CDI) entries to 45,470, while the number of composite Digital Terrain Model (cDTM) entries increased from 299 to 301. In January 2025, consortium partner GGSgc integrated the new Regional DTMs into the complete 2024 EMODnet DTM and had made the resulting 2024 EMODnet DTM available internally for validation. The official release of the new version of the [EMODnet DTM \(version 2024\)](#) took place in March 2025 and was accompanied with the release of the [2024 Source References layer](#) with direct links to CDI and CDTM metadata, the [2024 Quality Index](#) layers for the 2024 DTM, the [2024 version of the best-estimate European digital coastlines](#), the 2024 version of the [Inventory of existing and ratified baselines and registered claims / disputes under UNCLOS for European countries](#), as well as a report on the [Methodology for assessing bathymetry between coastline and foreshore using a generative machine learning approach](#). On a global scale, good synergy is continued with the General Bathymetric Chart of the Oceans (GEBCO) and Seabed 2030 projects. The EMODnet DTM is considered as the European contribution to Seabed 2030 and as such fully integrated into the GEBCO DTM;
- In 2025, the data harvests conducted by [EMODnet Biology](#) brought 76 new datasets and updates to 50 existing datasets, effectively increasing (taking into account datasets reorganisations and dataset removal requests from data providers resulting in decreases in available occurrence data) the occurrence data holding to more than 44.6 million (from 43.3 million in Q4 2024) with more than 280 million extended measurements or facts originating from a total of 1,489 datasets. The year 2025 marked the completion of Phase V in May 2025, that brought with it nine newly published data products. The harvested data is increasingly heterogenous in temporal, spatial and taxonomic coverage, and machine-derived data is becoming increasingly frequent in the harvests. Continuous efforts were made to mobilise data from the Ocean Biodiversity information System (OBIS) and Global Biodiversity Information Facility (GBIF) networks alongside frequent contacts with the European OBIS and GBIF Nodes to ensure that the data across the different services are consistent and best practices are applied. In 2025, in response to a significant rise in external data product submissions (a trend expected to continue as many EU-funded projects are now required to submit their data and results to EMODnet), one main priority has been the development of an internal product assessment procedure to support the consistent evaluation of external data product submissions based on six criteria. During the end of Phase V (2023-2025) in May 2025, the outcomes of the efforts to ensure the involvement of Regional Sea Conventions (RSC) carried out have been evaluated to identify strengths, weaknesses, opportunities and threats (SWOT analysis). The results

- of this analysis have been presented and discussed during the final project meeting of Phase V in order design more efficient activities to ensure involvement of RSCs in the coming extension period;
- In 2025, [EMODnet Chemistry](#) a total of 18,617 datasets were added to the EMODnet Chemistry distributed CDI. In the first quarter of 2025, the EMODnet Map Viewer was updated with 18 beach litter maps, 9 seafloor litter maps, and 15 floating microlitter maps that were newly created or revised, along with six additional layers to improve access to eutrophication data via the OGS ERDDAP. During the reporting period, EMODnet Chemistry also introduced a WMS service showing the station distribution of harmonised and validated eutrophication and floating microlitter datasets, completed the harmonisation and regional aggregation of beach and seafloor litter data, updated all related litter maps and their metadata records in the Sextant product catalogue managed by Ifremer, and produced and published aggregated, validated eutrophication datasets in the EMODnet Product Catalogue including the generation of DIVA maps for key parameters used to assess marine trophic status. The [EMODnet Chemistry ERDDAP service](#) was expanded with marine litter and contaminants data collections. Furthermore, EMODnet Chemistry continued to contribute to the implementation of EU legislation through participation in Technical Group on Marine Litter (TG ML), in MSFD Working Group on Data, Information and Knowledge Exchange (WG DIKE), in the Technical Group on Data (TG DATA), as well as in the MSFD Expert Group on Contaminants;
 - [EMODnet Data Ingestion](#) was centralised in May 2025, with the frontend being deployed on the EMODnet Portal server and the backend on the servers of partner HCMR. In 2025, the service received a total of 192 data submissions, pushing the total number since the beginning of the project to 2,045. In parallel, the number of processed and published data submissions “as is” increased with 183 (from 1,643 to 1,826), and the number of fully elaborated data submissions went up with 146 (from 740 to 846). A regular harvesting system has been deployed between the Data Submission Service and the EMODnet metadata Catalogue. Data Ingestion entries in the Catalogue also include active links to supporting Vocabularies and Directories. Data collections resulting from operational oceanography are added to the [Ingestion ERDDAP data server](#), enabling users with an easy way to interact with the latest ingested real-time (RT) collections;
 - During the first quarter of 2025, [EMODnet Geology](#) released a new data product on Coastal Resilience, updated the Marine Aggregates and Marine Hydrocarbons and Hydrates datasets under the Minerals theme, and revised the map viewer menu for Geology. Furthermore, the thematic published its first [StoryMap](#) on the Geology entry page. A data inventory conducted in June 2025 assessed new and updated material distributed across work packages during the 2023–2025 phase, showing that approximately 25.6 million km² of spatial datasets have been delivered, alongside around 2.1 million km of line data and about 18,000 data points, including several large datasets from the Caribbean Sea region covering areas of up to approximately 3.3 million km²;
 - Apart from dataset updates throughout 2025 (among others oil and gas licenses; wind farms; freshwater aquaculture; and many others), a new dataset on [worldwide shipwrecks](#) was made available by [EMODnet Human Activities](#). The Maritime Spatial Planning (MSP) dataset was complemented with the plans from Italy and Estonia; the German MSP plan is being harmonised and will be uploaded to the EMODnet Portal soon. The primary data provider of AIS data, which are the basis of the vessel density maps, restructured their network and therefore has fewer receivers in the past resulting in a too low amount of AIS data to develop a product for 2024 that is comparable to previous years. Negotiations with the data provider are ongoing to acquire additional data. Metadata updates were done to the data licences to reflect the CC-BY attribution. The EMODnet Human Activities team developed a methodology to generate a new data product ‘European Marine Use Dataset (EU-MUD)’ (development in progress), which is a result of harmonising the different EMODnet spatial datasets on human activities in the marine domain into a single data model, which is adapted from the INSPIRE “Sampled Land Use” scheme;

- Throughout 2025, [EMODnet Physics](#) focused on continuously updating the organisation of *in situ* data, metadata, data collections and data products in the Physics backend. Furthermore, ongoing work involved verifying the accuracy of the mapping of the “best_practices_doi” metadata field at the platform type level, which links datasets to the methods used for data collection, as well as updating it for other platforms where possible. Regarding *in situ* data provision, EMODnet Physics added over the course of 2025 approximately 1123 ARGO profiles (including BioArgo profiles), 3658 Drifting buoys observations, 470 glider missions, 300 Moorings datasets, and 270 Tide Gauge stations. The Sea Level data product from partner SONEL was updated, and [Sea Optical Properties](#) was added to the Platform map layer as a new parameter group. A Memorandum of Understanding was signed with SSI international GmbH and Deutsche Meeresstiftung to streamline data from diving computers towards EMODnet. The EMODnet Physics team contributed to two chapters in Copernicus’ Marine “Ocean prediction: present status and state of the art”¹, highlighting the role of EMODnet within the global ocean data management framework and its contribution to facilitating and supporting the implementation of broad open data initiatives;
- [EMODnet Seabed Habitats](#)’ contract renewal in September 2025 was accompanied with the release of the newest version of its flagship product [EUSeaMap](#). Throughout 2025, a bulk upload of data to the EMODnet Portal was carried out consisting of among others 10 new point datasets, 50 individual seabed habitat and coastal wetland maps, as well as two new composite products. Publication of habitat point data through EMODnet Biology was operationalised: EMODnet Seabed Habitat consortium partners used EMODnet Biology’s Integrated Publishing Toolkit (IPT) to successfully upload habitat point data via EurOBIS/EMODnet Biology. Datasets that are pending upload are those that use habitat classification schemes that do not have published vocabularies such as EUNIS version 2022. Four story maps were developed and published on the [Seabed Habitats entry page](#). In the last quarter of 2025, with the start of the new contract, work has already begun to gather and format data collation and formatting, feedback is being gathered on EUSeaMap 2025, and work on new composite products was initiated.

2 EMODnet Portal usage

2.1 User visit/ web traffic statistics

Since centralisation and thus as of 25 January 2023 onwards, statistics on user visits to the EMODnet Portal are collected through Europa Analytics. Below we provide the monthly number of sessions and visitors for a selection of EMODnet Portal webpages. The definitions of the abovementioned terms are as follows:

- Session: a session starts with the first event and ends 30 minutes after the last event (after the session is over);
- Visitor: the number of unique visitors; every visitor is counted once, even if they visit the website many times during the day.

In 2025, the EMODnet Portal had a total number of 144,777 visitors and 227,711 sessions. In the figures below, the breakdown is provided for the main pages of the EMODnet Portal i.e. homepage/landing page, map viewer, catalogue, web services documentation and thematic entry pages. It is noted that the rate of increase of unique visits was not as high as seen in previous years 2023-2024 since completion of thematic centralisation (January 2023). However, the unique visits continued to increase, albeit at a slower rate, and

¹ Álvarez Fanjul, E., Ciliberti, S. A., Pearlman, J., Wilmer-Becker, K., and Behera, S. (Eds.): Ocean prediction: present status and state of the art (OPSR), Copernicus Publications, State Planet, 5-opsr, <https://doi.org/10.5194/sp-5-opsr>, 2025.

was maintained above 140,000 for the 2025 calendar year. Going forward, additional focus will be made to align and develop EMODnet’s strategic communication (campaigns, resources, stakeholder engagement) to increase the number of visitors (and users) to the Portal.

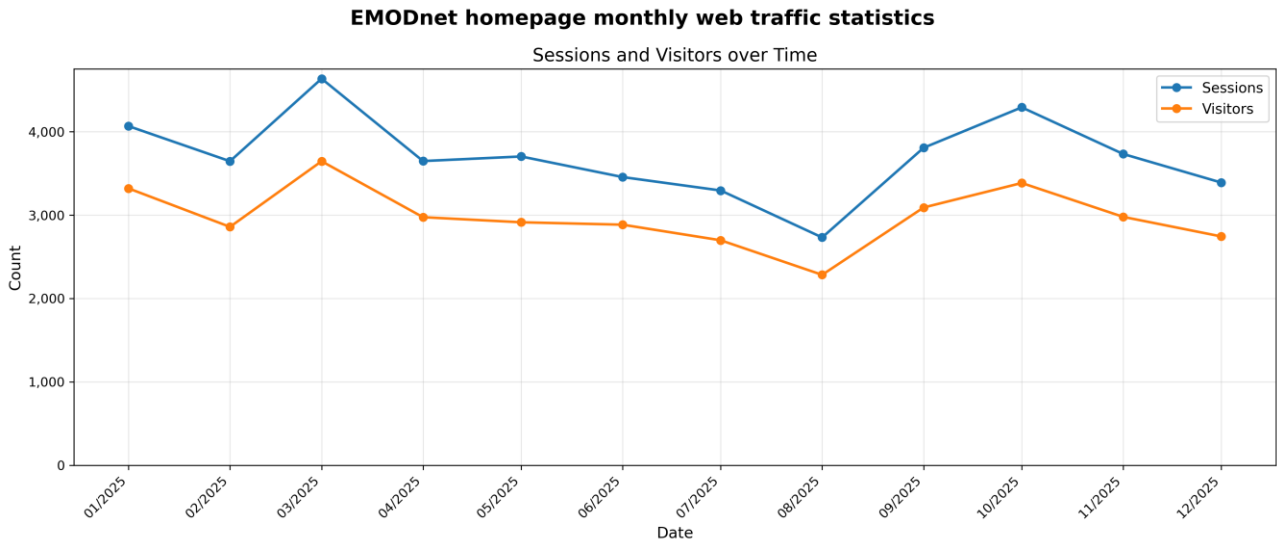


Figure 1. Monthly web traffic statistics for the EMODnet landing page (i.e. <https://emodnet.ec.europa.eu/en>) for 2025. Statistics retrieved from Europa Analytics.

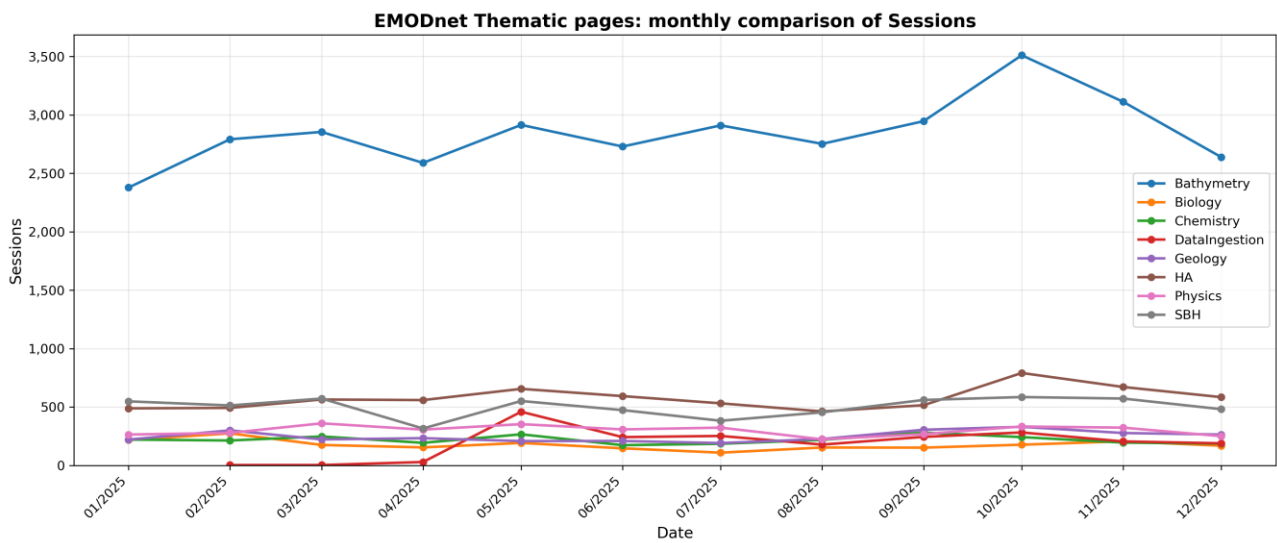


Figure 2. Monthly number of sessions for the EMODnet thematic and data ingestion entry pages (e.g. <https://emodnet.ec.europa.eu/en/bathymetry><https://emodnet.ec.europa.eu/en>) for 2025. Statistics retrieved from Europa Analytics.

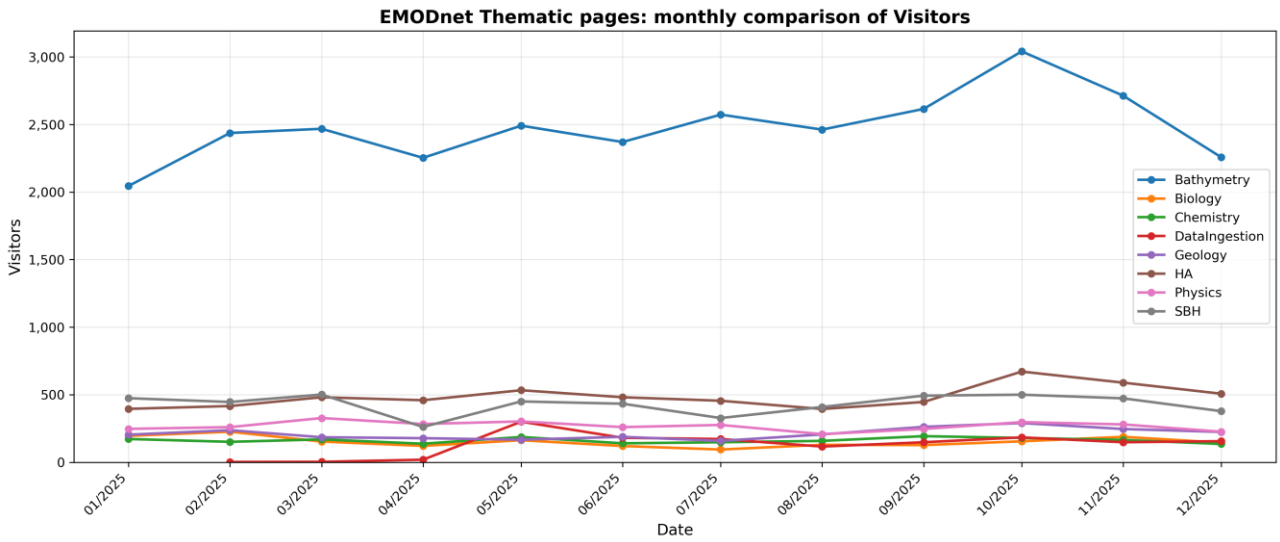


Figure 3. Monthly number of **visitors** for the EMODnet thematic and data ingestion entry pages (e.g. <https://emodnet.ec.europa.eu/en/bathymetryhttps://emodnet.ec.europa.eu/en>) for 2025. Statistics retrieved from Europa Analytics.

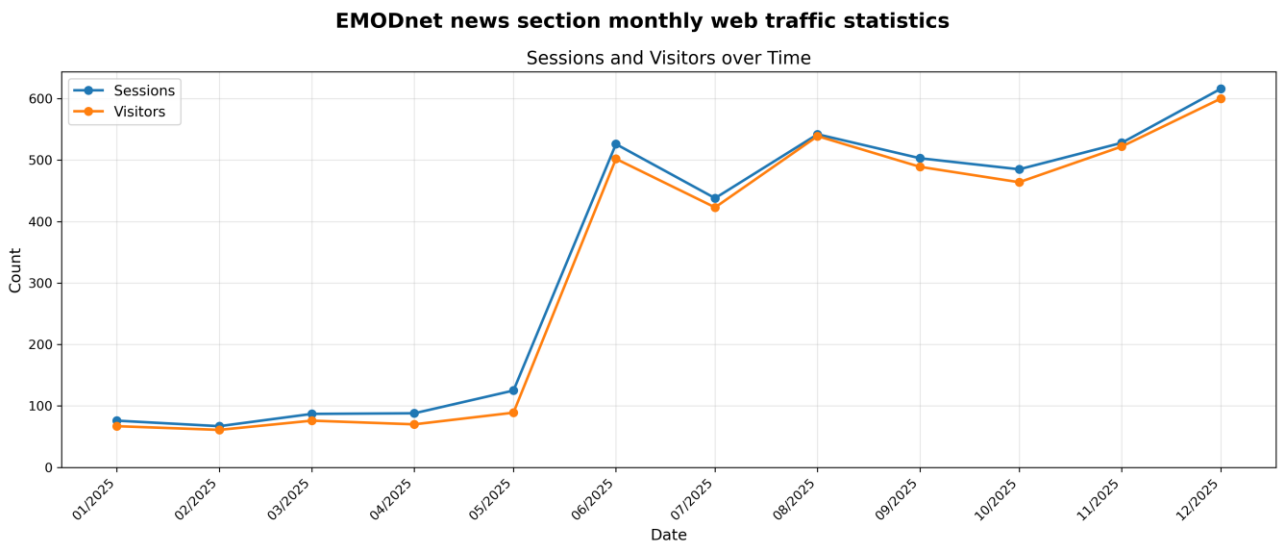


Figure 4. Monthly web traffic statistics for the EMODnet News section (i.e. <https://emodnet.ec.europa.eu/en/news>) for 2025. Statistics retrieved from Europa Analytics.

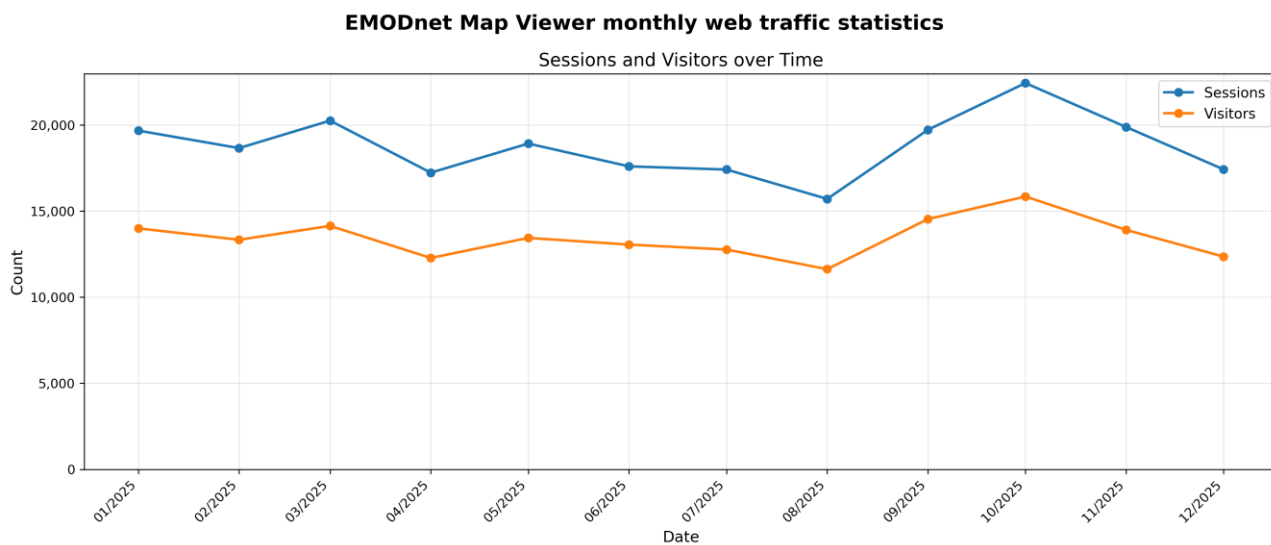


Figure 5. Monthly web traffic statistics for the EMODnet central map viewer (i.e. <https://emodnet.ec.europa.eu/geoviewer/>) for 2025. Statistics retrieved from Europa Analytics.

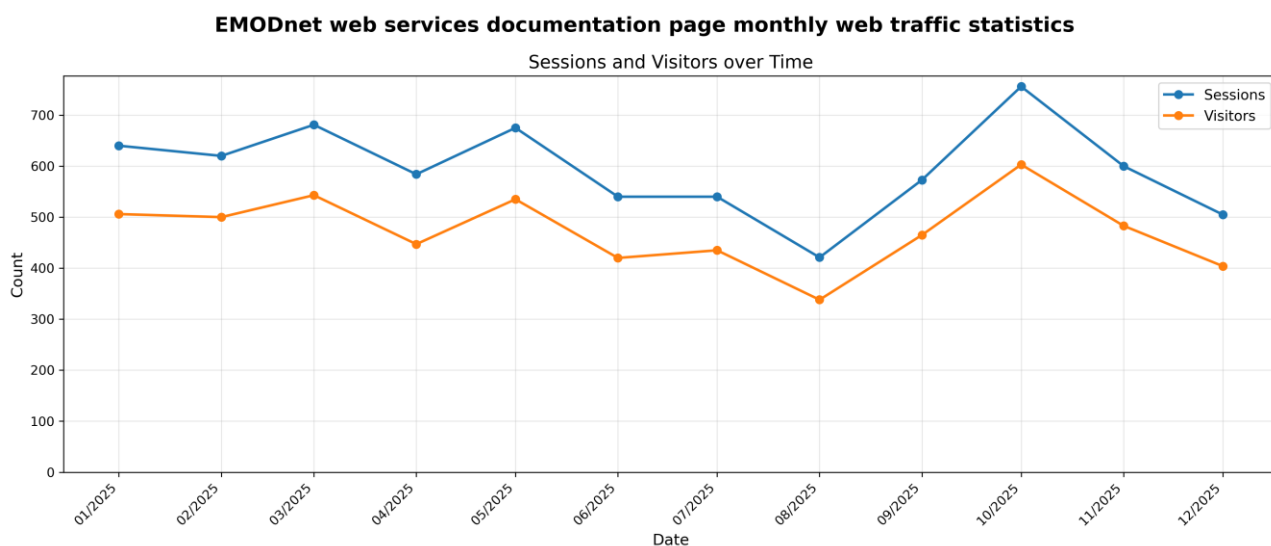


Figure 6. Monthly web traffic statistics for the EMODnet web services and documentation webpage (i.e. <https://emodnet.ec.europa.eu/en/emodnet-web-service-documentation>) for 2025. Statistics retrieved from Europa Analytics.

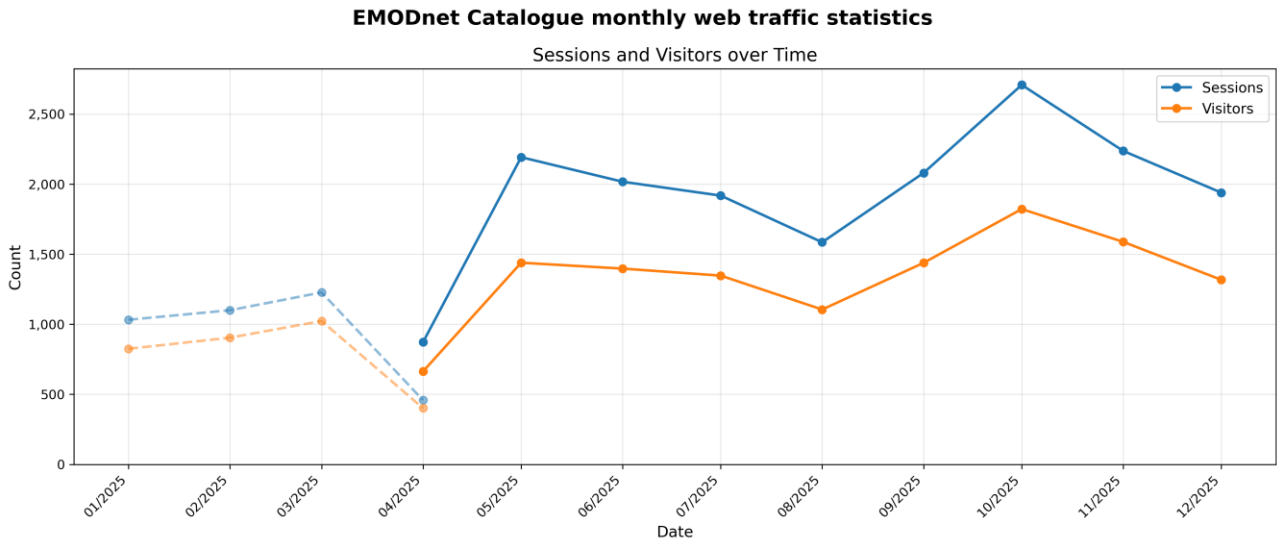


Figure 7. Monthly web traffic statistics for the EMODnet central catalogue (i.e. <https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/home>) for 2025. The Catalogue GeoNetwork was updated early May 2025. The dashed lines represent the visit statistics to the old GeoNetwork instance, the full lines represent the visit statistics to the new/current GeoNetwork instance. Statistics retrieved from Europa Analytics.

The **EMODnet Data Ingestion Portal** was centralised in Q2 2025. Below are the web traffic statistics up until end of Q1 2025 by the VLIZ Matomo monitoring system.



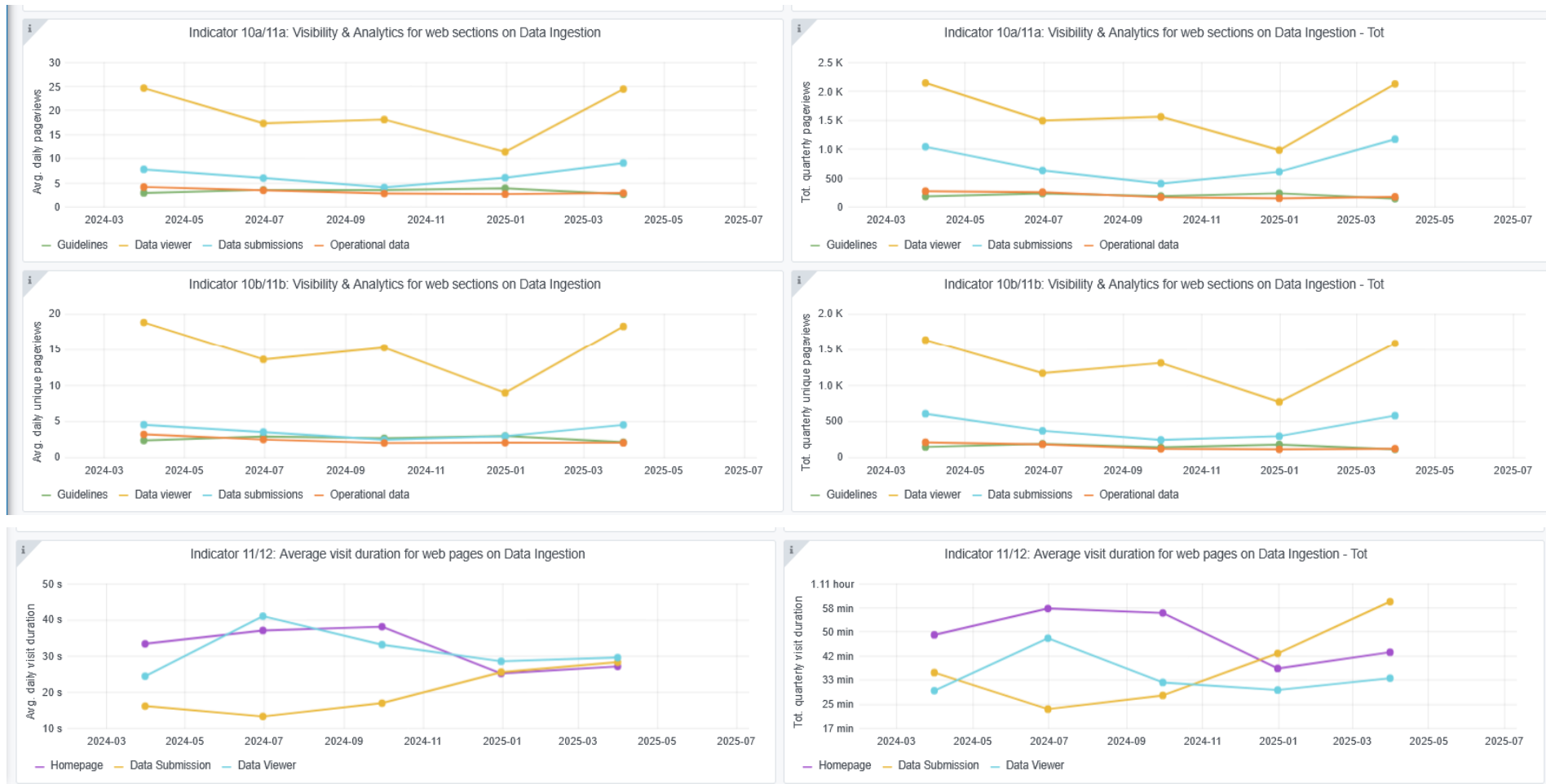


Figure 8. Web traffic statistics for the EMODnet Data Ingestion Portal landing page/homepage (i.e. <https://www.emodnet-ingestion.eu/>), data submission page (i.e. <https://www.emodnet-ingestion.eu/data-submission>), data viewer (i.e. <https://www.emodnet-ingestion.eu/submissions/>), operational data (i.e. <https://www.emodnet-ingestion.eu/operational-data>), guidelines (i.e. <https://www.emodnet-ingestion.eu/guidelines>) up until Q1 2025, before centralisation of the service. Statistics retrieved from Grafana Dashboard, based on VLIZ Matomo.

2.2 Statistics on data and data product availability by the EMODnet thematic lots and Data Ingestion

Table 1. Trend for 2025 for **total data volume** per thematic. Note that the data unit differs per thematic lot.

	Total data volume Q4 2024	Total data volume Q1 2025	Total data volume Q2 2025	Total data volume Q3 2025	Total data volume Q4 2025	Unit
Date	31/12/2024	30/03/2025	30/07/2025	30/09/2025	31/12/2025	
Theme						
Bathymetry	43,092	43,292	43,422	44,414	45,470	CDIs
Biology	35,646,354	36,803,523	41,787,029	41,884,493	44,682,736	Records
Chemistry	1,296,006	1,297,538	1,306,326	1,314,623	1,328,684	CDIs
Geology*			NA			
Human Activities	636,734	722,050	723,390	724,285	730,045	Records
Physics	2,141,506	9,241,752	9,243,754	9,416,292	9,421,574	Platforms
Seabed Habitats	512,751	512,877	512,877	514,467	514,467	Records

*EMODnet Geology only offers data products for download.

Table 2. Trend for 2025 for total data volume in GigaBytes (GB) per thematic lot

	Total data volume Q4 2024	Total data volume Q1 2025	Total data volume Q2 2025	Total data volume Q3 2025	Total data volume Q4 2025	Unit
Date	31/12/2024	30/04/2025	31/07/2025	31/10/2025	31/12/2025	
Theme						
Bathymetry						GB
Biology	<i>These thematic lots have no systems in place to calculate the data volume in GB</i>					GB
Chemistry						GB
Geology*			NA			GB
Human Activities	3.64	4.66	4.66	4.66	4.8	GB
Physics	5,183.50	7,496.03	8,170.17	8,906.04	9,628.20	GB
Seabed Habitats	0.80	0.80	0.80	0.80	0.80	GB

*EMODnet Geology only offers data products for download.

Table 3. Trend for 2025 for **total number of data products** made available per thematic, summing internal (developed by the consortium) and external (developed outside of the consortium) data products.

	Total number of data products Q4 2024	Total number of data products Q1 2025	Total number of data products Q2 2025	Total number of data products Q3 2025	Total number of data products Q4 2025	Unit
<i>Date</i>	<i>31/12/2024</i>	<i>31/04/2025</i>	<i>31/07/2025</i>	<i>31/10/2025</i>	<i>31/12/2025</i>	
Theme						
Bathymetry	614	637	637	637	640	Products
Biology	48	58	60	62	63	Products
Chemistry	587	636	648	887	887	Products
Geology	134	134	134	134	134	Products
Human Activities	2	2	2	2	2	Products
Physics	30	36	36	36	36	Products
Seabed Habitats	1,429	1,477	1,477	1,532	1,532	Products

Table 4. Trend for 2024 for **total volume in GigaBytes (GB)** of the **data products** made available per thematic lot

	Total data product volume Q4 2024	Total data product volume Q1 2025	Total data product volume Q2 2025	Total data product volume Q3 2025	Total data product volume Q4 2025	Unit
Date	31/12/2024	30/04/2025	31/07/2025	31/10/2025	31/12/2025	
Theme						
Bathymetry	426.50	630.50	649.80	649.80	649.80	GB
Biology	21.87	50.36	54.25	50.44	50.44	GB
Chemistry	<i>This thematic lot has no systems in place to calculate the volume in GB</i>					GB
Geology	5.25	5.43	5.43	5.43	5.43	GB
Human Activities	13.10	13.19	13.19	10.08	10.08	GB
Physics	578.28	578.28	578.28	578.28	578.28	GB
Seabed Habitats	27,887.60	27,887.13	27,887.13	30,584.60	30,646.33	GB

Table 5. Trend for 2025 for **total number of data submissions** to the EMODnet Data Ingestion service and processed data submissions (Phase 1 and Phase 2)

EMODnet Data Ingestion service	Total number Q4 2024	Total number Q1 2026	Total number Q2 2025	Total number Q3 2025	Total number Q4 2025	Unit
Date	31/12/2024	31/03/2025	30/07/2025	30/09/2025	31/12/2025	
Total number of data submissions to Data Ingestion service	1,806	1,867	1,929	1,998	2,045	Datasets
Total number of processed and published data submissions "as is" (Phase 1)	1643	1713	1745	1772	1826	Datasets
Total number of fully elaborated data submission (Phase 2)	740	760	786	803	846	Datasets

2.3 Statistics on usage of EMODnet thematics' and Data Ingestion services

Since the second quarter of 2023, there has been a change from reporting on download metrics by the individual thematic portals to metrics being centrally reported from the new unified portal. This affects the thematics in different ways, depending on their technical back-end infrastructure. The new unified metrics are still being developed and will be fully deployed over 2026. On this basis, some caution is advised with regards to the metrics at this stage.

2.3.1 Number of data downloads

Table 6. Trend for 2025 for **total number of manual data downloads** per thematic lot. Note that the unit differs per thematic lot.

	Number of manual downloads of DATA Q4 2024	Number of manual downloads of DATA Q1 2025	Number of manual downloads of DATA Q2 2025	Number of manual downloads of DATA Q3 2025	Number of manual downloads of DATA Q4 2025	Unit
Date	31/12/2024	30/03/2025	30/07/2025	30/09/2025	31/12/2025	
Theme						
Bathymetry	44	1,489	72,457	39,131	1,279	CDIs
Biology	<i>This thematic has no system in place to track data downloads</i>					
Chemistry	31,183	35,425	69,546	5,489	21,195	CDIs
Geology**	N/A					
Human Activities	2,877	4,005	3,225	3,210	3,902	Datasets
Physics*	<i>This thematic has no system in place to track data downloads</i>					
Seabed Habitats	44,291,028	25,869,096	19,989,756	37,627,776	18,813,888	Number of records

*EMODnet Physics only reports on number of available platforms and overall volume of downloaded GB from ERDDAP, which is hosting the *in situ* data.

**EMODnet Geology only offers data products for download.

Table 7. Trend for 2025 for **total volume in GB of data downloaded** per thematic lot

	Total Volume of DATA downloaded in GB Q4 2024	Total Volume of DATA downloaded in GB Q1 2025	Total Volume of DATA downloaded in GB Q2 2025	Total Volume of DATA downloaded in GB Q3 2025	Total Volume of DATA downloaded in GB Q4 2025	Unit
Date	31/12/2024	30/03/2025	30/07/2025	30/09/2025	31/12/2025	
Theme						
Bathymetry	0.15	1.50	72.54	18.50	121.60	GB
Biology	<i>This thematic has no system in place to track data downloads</i>					
Chemistry	0.004	0.004	0.010	0.066	0.898	GB
Geology**	N/A					
Human Activities	112.70	89.29	161.89	170.60	223.57	GB
Physics*	258.70	1,211.30	2,495.00	2,659.93	2,992.00	GB
Seabed Habitats	6.80	3.97	3.06	5.77	2.88	GB

*EMODnet Physics only reports on number of available platforms and overall volume of downloaded GB from ERDDAP, which is hosting the *in situ* data.

**EMODnet Geology only offers data products for download.

Table 8. Trend for 2025 for **total number of WMS requests for data** per thematic lot

	Number of WMS requests for DATA Q4 2024	Number of WMS requests for DATA Q1 2025	Number of WMS requests for DATA Q1 2025	Number of WMS requests for DATA Q1 2025	Number of WMS requests for DATA Q1 2025	Unit
Date	31/12/2024	30/03/2025	30/07/2025	30/09/2025	31/12/2025	
Theme						
Bathymetry*	159,194	168,734	226,241	164,950	234,144	WMS requests
Biology		<i>No systems are in place to capture usage.</i>				
Chemistry	52,702	34,295	37,658	44,179	48,113	WMS requests
Geology***		N/A				
Human Activities	8,408,166	11,759,097	9,520,816	12,553,063	10,822,408	WMS requests
Physics		<i>No systems are in place to capture usage.</i>				
Seabed Habitats**	1,615,732	2,247,632	2,387,697	1,541,920	1,608,407	WMS requests

*EMODnet Bathymetry implemented a system to track WMS requests in Q4 2024.

**EMODnet Seabed Habitats: number of WMS requests includes the requests for data and data products (i.e. they are counted in the same number).

***EMODnet Geology only offers data products for download.

Table 9. Trend for 2025 for **total number of WFS requests for data** per thematic lot

	Number of WFS requests for DATA Q4 2024	Number of WFS requests for DATA Q1 2025	Number of WFS requests for DATA Q1 2025	Number of WFS requests for DATA Q3 2025	Number of WFS requests for DATA Q4 2025	Unit
Date	31/12/2024	30/03/2025	30/07/2025	30/09/2025	31/12/2025	
Theme						
Bathymetry						
Biology		<i>These thematics have no systems in place to capture WFS requests</i>				
Chemistry						
Geology*		N/A				
Human Activities	219,685	287,544	336,023	271,714	292,511	WFS requests
Physics		<i>These thematics have no systems in place to capture WFS requests</i>				
Seabed Habitats	1,611	712	960	971	254	WFS requests

*EMODnet Geology only offers data products for download.

Table 10. Trend for 2025 for total number of manual data download transactions from EMODnet Data Ingestion

EMODnet Data Ingestion service	Number of manual downloads of DATA Q4 2024	Number of manual downloads of DATA Q1 2025	Number of manual downloads of DATA Q2 2025	Number of manual downloads of DATA Q3 2025	Number of manual downloads of DATA Q4 2025	Unit
Date	31/12/2024	30/03/2025	30/07/2025	30/09/2025	31/12/2025	
	223	1490	2190	1327	1005	Datasets

Table 11. Trend for 2025 in total volume in GB of data downloaded from EMODnet Data Ingestion

EMODnet Data Ingestion service	Total Volume of DATA downloaded in GB Q4 2024	Total Volume of DATA downloaded in GB Q1 2025	Total Volume of DATA downloaded in GB Q2 2025	Total Volume of DATA downloaded in GB Q3 2025	Total Volume of DATA downloaded in GB Q4 2025	Unit
Date	31/12/2024	30/03/2025	30/06/2025	30/09/2025	31/12/2025	
	4.2	60	109	347	157	GB

2.3.2 Number of data product downloads

Table 12. Trend for 2025 for **total number of manual data product downloads** per thematic lot. Note that the unit differs per thematic lot.

	Number of manual downloads of data PRODUCTS Q4 2024	Number of manual downloads of data PRODUCTS Q1 2025	Number of manual downloads of data PRODUCTS Q2 2025	Number of manual downloads of data PRODUCTS Q3 2025	Number of manual downloads of data PRODUCTS Q4 2025	Unit
Date	31/12/2024	30/03/2025	30/07/2025	30/09/2025	31/12/2025	
Theme						
Bathymetry	13,389	77,891	105,686	40,870	34,816	Data files
Biology	<i>This thematic has no system in place to track data product downloads</i>					
Chemistry	979	3,107	2,467	4,470	2,108	Files
Geology	816	2,019	2,835	4,431	3,200	Zip-file containing one or more datasets
Human Activities	3,686	3,279	4,370	4,568	3,638	Datasets
Physics	4,748,320	4,465,022	3,006,071	4,562,026	4,715,596	Logs
Seabed Habitats	309,726	203,916	144,061	143,241	91,181	Datasets

Table 13. Trend for 2025 in **total volume in GB of data products** downloaded per thematic lot

	Total Volume of PRODUCTS downloaded in GB Q4 2024	Total Volume of PRODUCTS downloaded in GB Q1 2025	Total Volume of PRODUCTS downloaded in GB Q2 2025	Total Volume of PRODUCTS downloaded in GB Q3 2025	Total Volume of PRODUCTS downloaded in GB Q4 2025	Unit
Date	31/12/2024	30/03/2025	30/07/2025	30/09/2025	31/12/2025	
Theme						
Bathymetry	1,623.00	10,583.00	21,500.00	9,683.00	9,549.00	GB
Biology	<i>This thematic has no system in place to track data product downloads</i>					
Chemistry*	12.00	267.06	194.81	1.02	358.07	GB
Geology	461.05	741.24	883.73	922.69	805.47	GB
Human Activities	989.91	1,008.30	976.38	912.57	1,115.68	GB
Physics	260.00	1,211.90	2,495.11	2,660.05	2,992.00	GB
Seabed Habitats	4,268.49	3,855.44	2,463.65	3,489.74	2,185.61	GB

*EMODnet Chemistry implemented a system to volume downloads in Q4 2024.

Table 14. Trend for 2025 in total number of WMS requests for data products per thematic lot

	Number of WMS requests for PRODUCTS Q4 2024	Number of WMS requests for PRODUCTS Q1 2025	Number of WMS requests for PRODUCTS Q2 2025	Number of WMS requests for PRODUCTS Q3 2025	Number of WMS requests for PRODUCTS Q4 2025	Unit
Date	31/12/2024	30/03/2025	30/07/2025	30/09/2025	31/12/2025	
Theme						
Bathymetry	6,011,402	7,980,990	9,551,900	6,762,589	8,019,723	WMS requests
Biology	<i>This thematic has no system in place to track data product downloads</i>					
Chemistry*	117,340					WMS requests
Geology	3,140,316	3,901,000	4,730,084	5,125,763	4,579,341	WMS requests
Human Activities	1,176,947	1,275,197	2,027,199	2,172,276	3,000,914	WMS requests
Physics	58,853	53,373	43,794	23,377	5,602	WMS requests
Seabed Habitats**	1,615,732	2,247,632	2,387,697	1,541,920	1,608,407	WMS requests

*EMODnet Chemistry stopped tracking this parameter in 2025.

**EMODnet Seabed Habitats: number of WMS requests includes the requests for data and data products (i.e. they are counted in the same number).

Table 15. Trend for 2025 for total number of WFS requests for data products per thematic lot

	Number of WFS requests for PRODUCTS Q4 2024	Number of WFS requests for PRODUCTS Q1 2025	Number of WFS requests for PRODUCTS Q2 2025	Number of WFS requests for PRODUCTS Q3 2025	Number of WFS requests for PRODUCTS Q4 2025	Unit
Date	31/12/2024	30/03/2025	30/07/2025	30/09/2025	31/12/2025	
Theme						
Bathymetry	104,305	99,876	107,294	108,099	116,858	WFS requests
Biology	<i>This thematic has no system in place to track data product downloads</i>					
Chemistry	<i>This thematic has no system in place to track WFS requests</i>					
Geology	101,821	51,191	51,129	74,831	45,155	WFS requests
Human Activities	<i>This thematic has no system in place to track WFS requests</i>					
Physics	757	706	789	607	569	WFS requests
Seabed Habitats	125,615	55,371	43,891	43,963	41,822	WFS requests