



EMODnet

 European Marine
Observation and
Data Network

JIRA

Tim Collart/Matteo Mikos

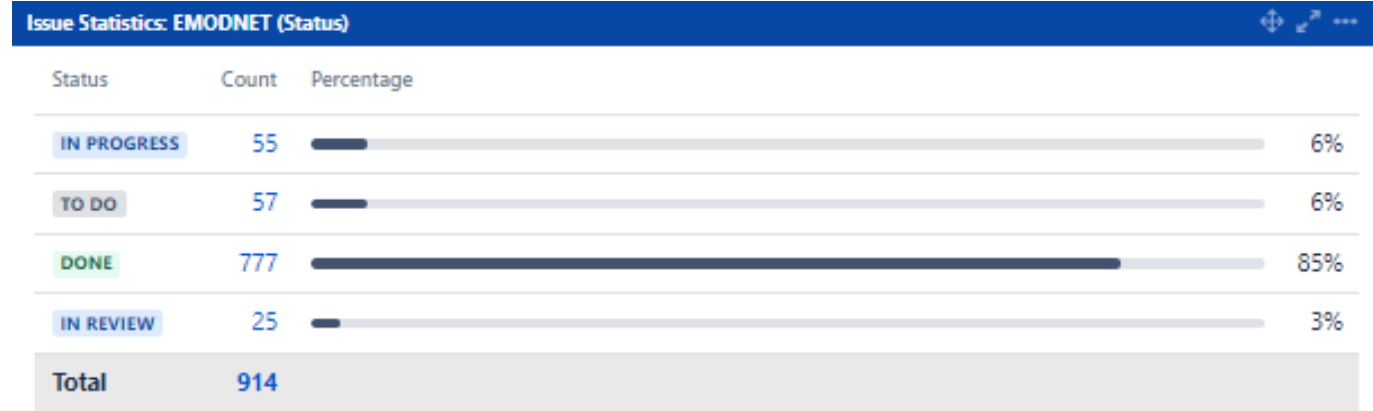
15th EMODnet Technical Working Group
12 March 2024



The European Marine Observation and Data Network (EMODnet) is financed by the European Union under Regulation (EU) 2021/1139 of the European Parliament and of the Council of 7 July 2021 establishing the European Maritime, Fisheries and Aquaculture Fund.

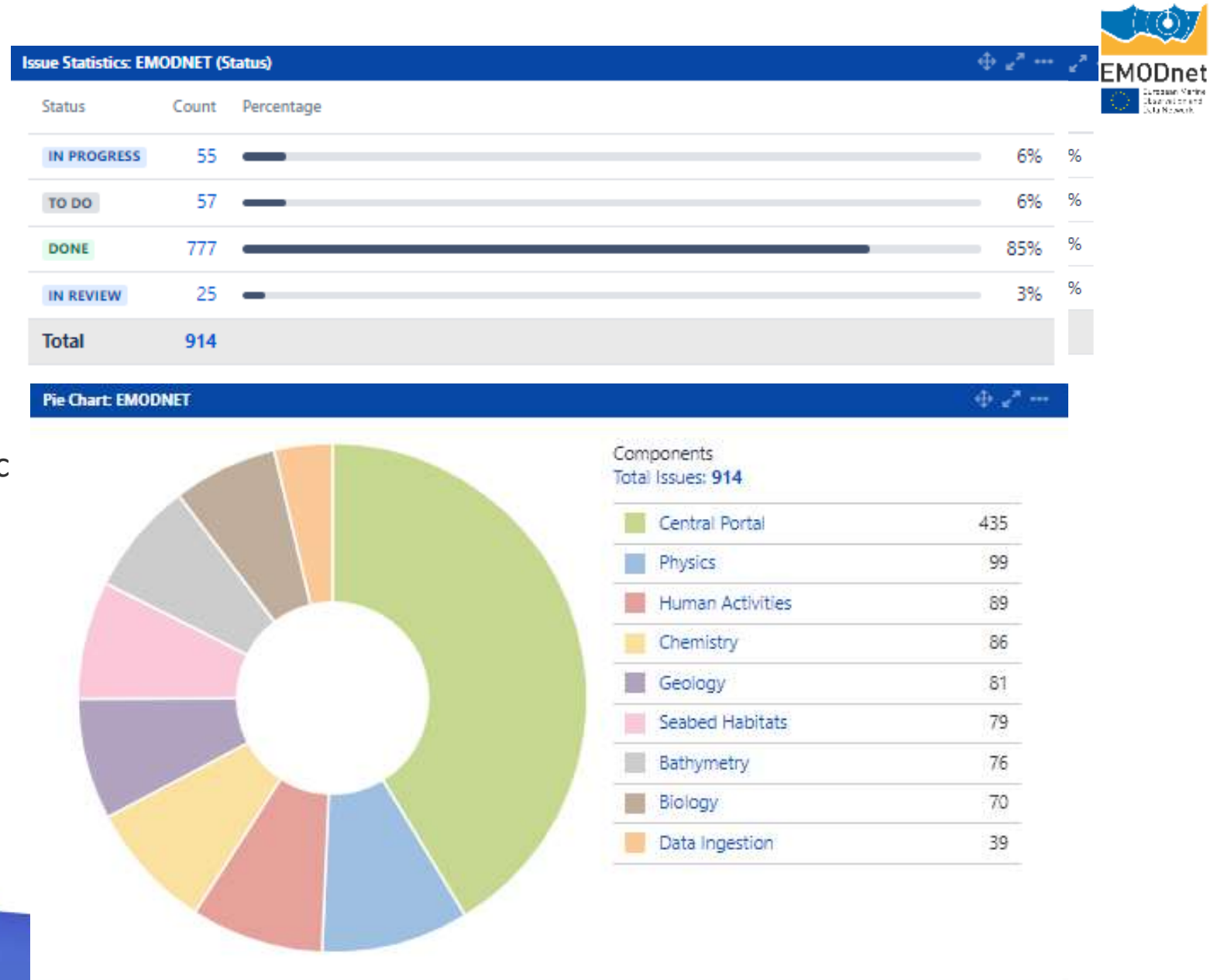
JIRA overview and usage

- 914 EMODnet JIRA Tickets (+ 79 since TWG 14)
- 85% completed (vs. 85% at TWG14)



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- Even Spread of tickets across thematic portals except for Data Ingestion



JIRA overview and usage

- 914 EMODnet JIRA Tickets (+ 79 since TWG 14)
- 85% completed (vs. 85% at TWG14)
- 47% of tickets concerning the central portal → Centralisation
- Even Spread of tickets across thematic portals except for Data Ingestion
- Evolution since TWG14: Strong increases in number of tickets
 - after TWG14 (18 October)
 - End February (planning of CP developments for next two years)
 - Still more tickets resolved than created! (79 vs 77)





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European Marine
Observation and
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OGC Service Monitoring & INSPIRE compliance (meta)data URL's & Quality of Service

Tim Collart

**15th EMODnet Technical Working Group
12 March 2024**



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INSPIRE Metadata & data URL's in Service GetCapabilities



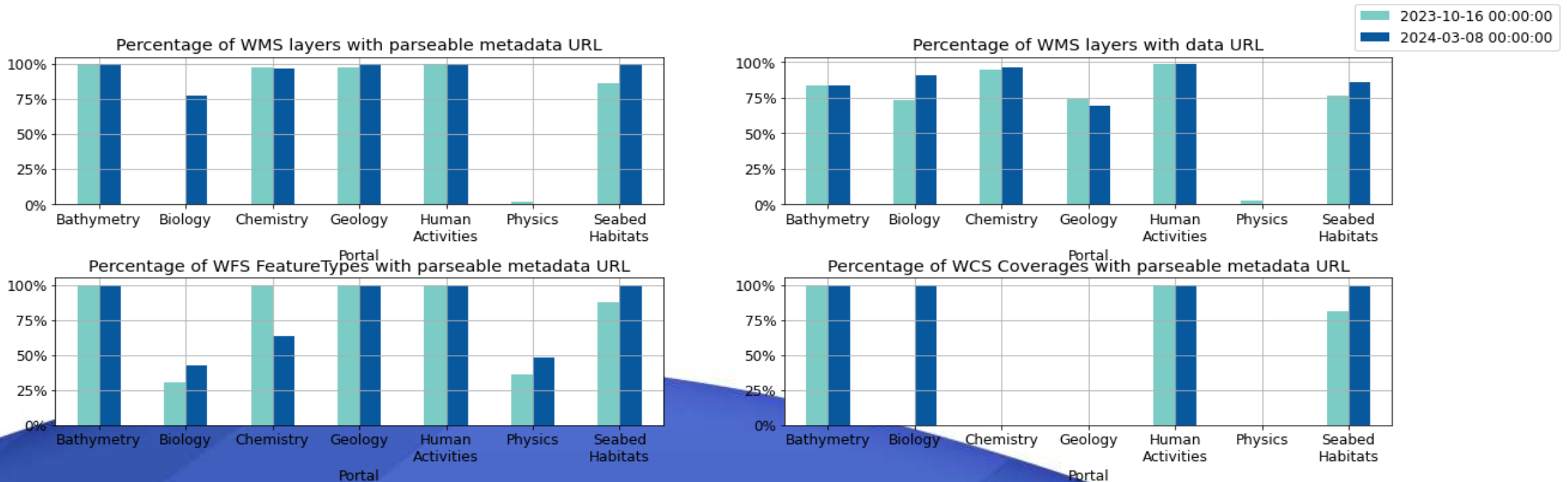
- Followed up in JIRA: <https://jira.emodnet.eu/browse/EM-14>
- Service metadata URL's. **Please host them in your Portal's CSW (GeoNetwork)!**

Date	Bathymetry	Biology	Chemistry	Geology	Human Activities	Physics	Seabed Habitats
TWG14	5/5	0/7	9/9	14/14	3/3	2/3	6/6
TWG15	5/5	2/7	7/9	14/14	3/3	1/3	6/6

INSPIRE Metadata & data URL's in Service GetCapabilities

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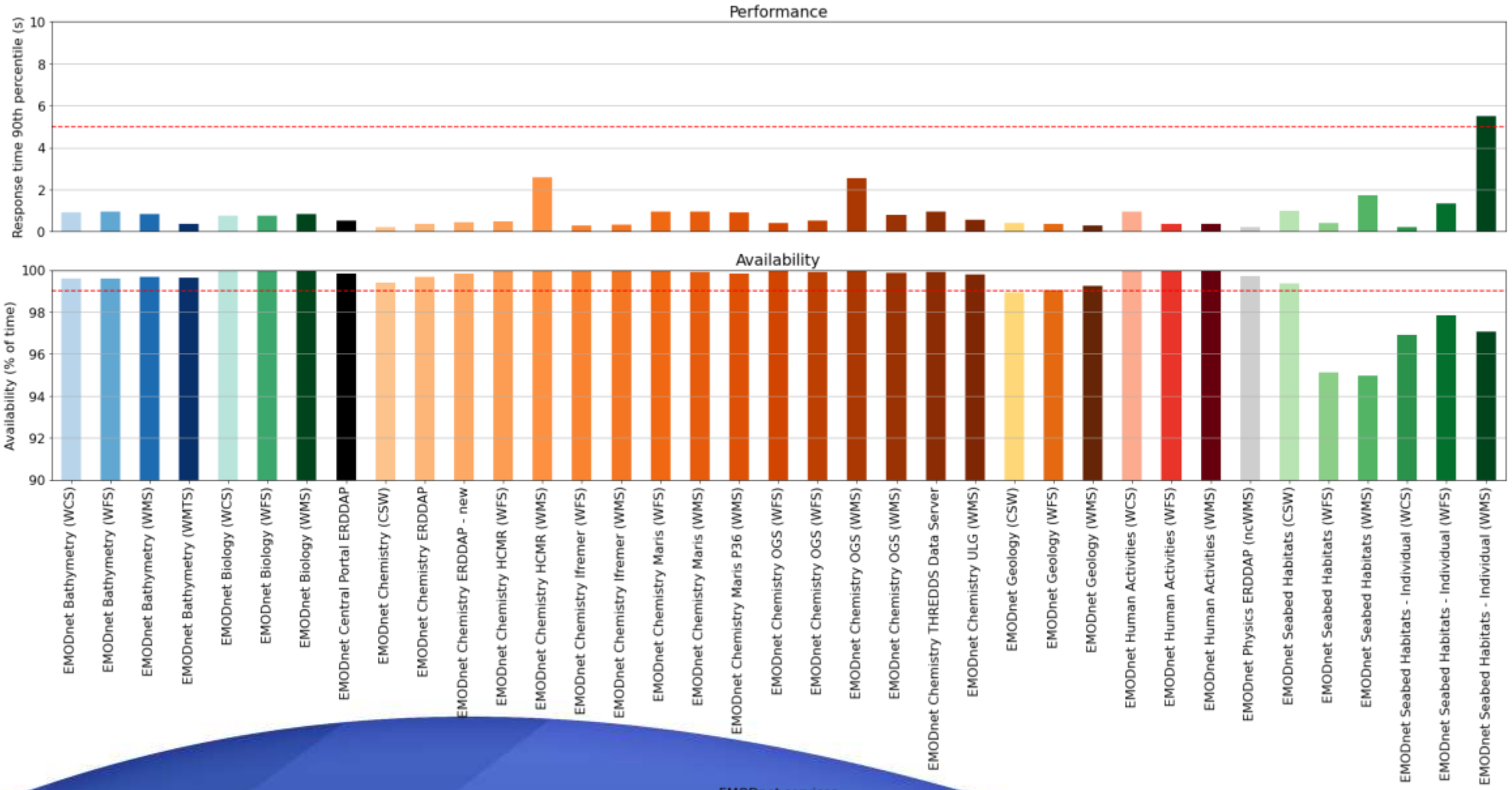
INSPIRE Quality of Service Monitoring



- INSPIRE sets a number of Quality of Service requirements for web services. This includes requirement for:
 - Performance: Response time during normal operation (90th percentile)
 - Capacity: Number of simultaneous service requests
 - Availability: The percentage of time the service is available
- Monitoring web services with GeoHealthCheck (monitor.emodnet.eu)
 - Monitor performance and availability for GetCapabilities operations & compare with INSPIRE requirements
 - Now also ERDDAP/THREDDS instances included
 - Followed up in JIRA: <https://jira.emodnet.eu/browse/EM-140>

INSPIRE Quality of Service Monitoring

QoS stats since TWG14





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European Marine
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Updates from the new Secretariat work plan

Conor Delaney

15th EMODnet Technical Working Group
12 March 2024



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WP2 – Consolidation and Development of the EMODnet Central Portal: Tasks, Deliverables & Milestones



WP2 Lead: Conor Delaney

Tasks:

- Task 2.1 (Coordination and communication with DG MARE, CINEA, VLIZ and thematic lots)
- Task 2.2 (Collecting outputs from Secretariat actions that support the centralisation process)
- Task 2.3 (Support the successful delivery of the EMODnet integrated Central Portal)
- Task 2.4 (Quality assurance monitoring for the Centralisation process)
- Task 2.5 (Common Central Portal map viewer)

WP2 – Consolidation and Development of the EMODnet Central Portal: Tasks, Deliverables & Milestones



Accomplished 2022-2023	Planned 2024-2025
<ul style="list-style-type: none"> • <i>D2.1 Test plans for accepting centralisation of each portal (M4, M10, M16, M24)</i> • <i>D2.2 Report on static content mapping from thematic portal to central portal (M6)</i> • <i>D2.3 Documentation of the Centralisation of each Portal (M6, M12, M18, M24)</i> • <i>D2.4 Report on the properties of EMODnet data and products (licences, formats, etc.) (M12, M24)</i> 	<ul style="list-style-type: none"> ▪ D2.1 Report/log on technical developments to the EMODnet portal (streamlined to annual updates post-centralization M36, M48, together with a bi-annual internal technical newsletter) ▪ D2.2 Report on static content mapping from data ingestion portal to central portal (M35) ▪ D2.3 Documentation of the Centralisation of each Portal to include a list of EMODnet data products (streamlined to annual updates: M36, M48) ▪ D2.4 Report on the properties of EMODnet data and products (licenses, formats, etc.) (M36, M48)
<ul style="list-style-type: none"> • MS2.1 - Completion of EMODnet centralisation process (M12) • MS2.2 - Central Portal Common map viewer completed (M12) 	

WP3 – Monitoring EMODnet Outputs, Performance and Progress: Tasks, Deliverables & Milestones



WP3 Lead: [Conor Delaney](#)

Tasks:

- Task 3.1 (Progress indicators)
- Task 3.2 (Verification of contractual reports)
- Task 3.3 (Consolidating periodic reports into progress reports)
- Task 3.4 (Verification of EMODnet services and user feedback)
- Task 3.5 (Targeted Assessments and Focused Studies)

WP3 – Monitoring EMODnet Outputs, Performance and Progress: Tasks, Deliverables & Milestones



Accomplished 2022-2023	Planned 2024-2025
<ul style="list-style-type: none"> • D3.1 Revised set of Progress Indicators (M2; revised at M12; recommendations at M24) • D3.2 Reporting Templates for EMODnet projects and deliverables (M2) • D3.3 Launch of the permanent online survey (M2) • D3.4 New geographic indicators (M12) • D3.5 First report on the results of the permanent online user survey (M12) • D3.6 Report of the targeted assessment (M12) • D3.7 Second report on the results of the permanent online user survey (M24) • D3.8 Report of the focused study (M24) • D3.9 Periodic assessment reports to CINEA (M1-M24) • D3.10 Consolidated periodic progress reports (M1-M24) 	<ul style="list-style-type: none"> ▪ D3.1 Revised set of Progress Indicators (revised at M36; recommendations at M48) (Dec 2024, Dec 2025) Efforts in 2024 will be focused on applying recommendations from 2023 ▪ D3.2 Reporting Templates for EMODnet projects and deliverables (M26) (Feb 2024) ▪ D3.3 Launch of the permanent online survey (M26) (Feb 2024) – update the existing survey based on WP3 Deliverable recommendations 2022-2023 ▪ D3.4 Update on geographic indicators (M36) (Dec 2024) ▪ D3.5 1st report on results of permanent online user survey (M36) (Dec 2024) ▪ D3.6 Report of the targeted assessment (M36) (Dec 2024): on the EMODnet Vision 2035, with stakeholder consultation ▪ D3.7 2nd report on results of permanent online user survey (M48) (Dec 2025) ▪ D3.8 Report of the focused study (M48) (Dec 2025) – update to the D3.8 report submitted M24, i.e. elaborate the 2023 study on data product licenses ▪ D3.9 Periodic assessment reports to CINEA (M25-M48) (Jan 2024-Dec 2025) ▪ D3.10 Consolidated periodic progress reports (M25-M48) (Jan 2024-Dec 2025) Move to annual report on stats from quarterlies, assessments and web stats
<ul style="list-style-type: none"> • MS3.1 - Launch online survey M2 	<ul style="list-style-type: none"> ▪ MS3.1 - Launch online survey M26 (Feb 2024)



EMODnet

 European Marine
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Map Viewer update

Conor Delaney/Joana Beja/Clara Becares/Natalia Orio Moreno

15th EMODnet Technical Working Group
12 March 2024



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MapView releases

- Since the start of the centralisation there has been 10 releases of the MapViewer the most recent v3.2.8:
 - MapViewer v3.2.8 (20th November 2023)
 - MapViewer v3.2.7 (9th October 2023)
 - MapViewer v3.2.6 (20th July 2023)
 - MapViewer v3.2.5 (18th April 2023)
 - MapViewer v3.2.4 (20th January 2023)
 - MapViewer v3.2.3 (17th November 2022)
 - MapViewer v3.2 (August 8, 2022)
 - MapViewer v3.0.0 (March 4, 2022)
 - MapViewer 2.0.0 (February 15, 2021)
 - MapViewer 1.0.0 (December 10, 2021)

MapView v3.2.8 (23rd November 2023)



- 1. shapezip / shape-zip format in WFS download:** Both formats are accepted in the wfs_output parameter. If this parameter is empty, all the accepted formats are loaded except "SHAPEZIP"
- 2. Included Europa Analytics tracking script in the MapViewer release.**
- 3. TIME Parameter in Filtering:** In the advanced filters, it is possible to configure the time parameter according to the "timeMethod" parameter in the config file. There are two possible values:
 - "standard" (default if not specified) : The value is applied to the TIME parameter.
 - "days_ago": we calculate the time interval according to the value
- 4. Physics Filtering:** In case of an advanced filter based on API, the complete query is read from the value parameter returned by the API.

MapView v3.2.8 (23rd November 2023)

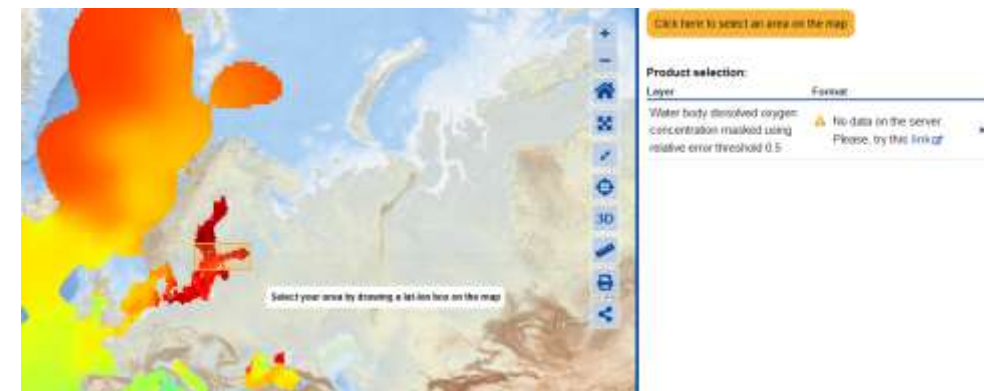
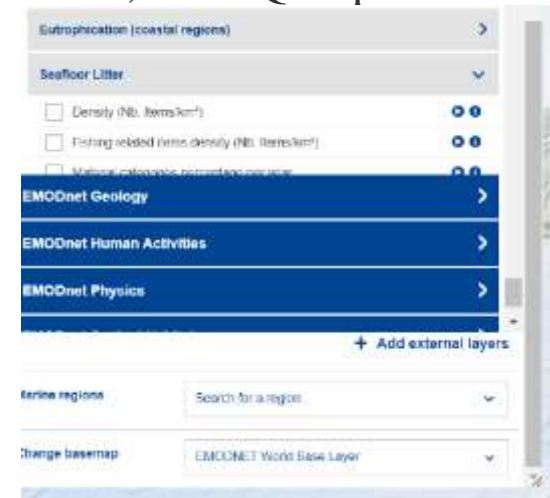


5. **Advanced Filtering (for viewParams Filtering):** In case of a viewparam filter in the advanced filter widget, they are applied with the "where" format
6. **WFS Download Functionality:** The "where" format is also applied to the WFS requests in case of viewparams filters (advanced filters).
7. **Download functionality with animated layers:** include time values for WFS downloads in the case of the animated layers.

Remaining features to be released

Bilbomatica + CP_Team Tasks

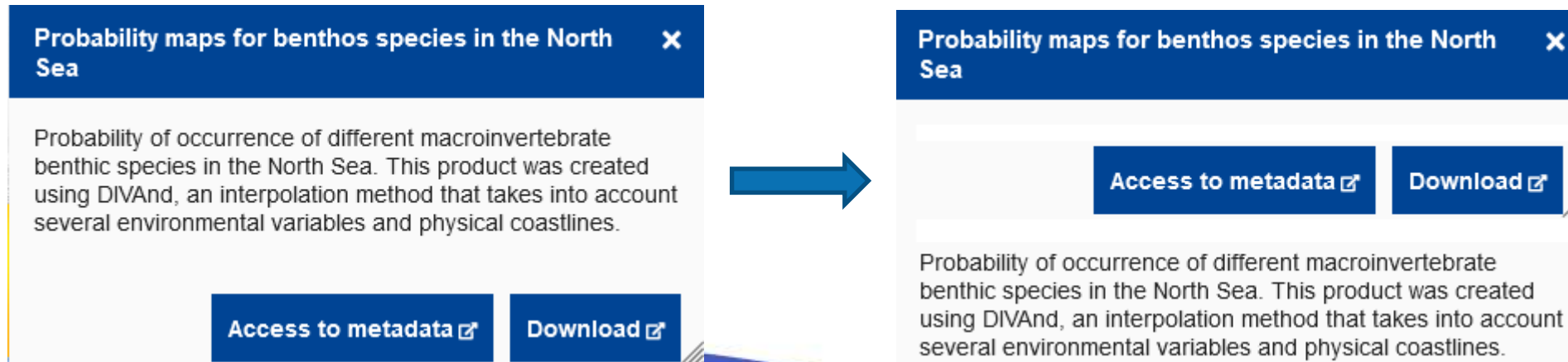
- **Inclusion of CQL Filter:** Layer animation already possible with ViewParams and GetParams filters, the CQL option is pending implementation
- **Catalogue Window Cut-off** ([CP-30](#)), [EM-841](#) Layout bug to be fixed.-> Chemistry
- **Physics Animation Server Overload** (PHY-8): -- ([EM-902](#)). Number of calls from MapViewer to be tuned.
- **Download Issues for Out-of-Bounds Areas** (CHEM-5):
In the case the user selects an area without data, the layer returns the error displayed in the viewer . ([EM-902](#))



Remaining features to be released

Bilbomatica + CP_Team Tasks

- **Antarctic Projection Addition:** ([EM_900](#)) : for next release
- **Layer Identification via Metadata UUID** ([EM-657](#)): Analyse the implication of this change in the viewer and determine if it is feasible.
- **Improving Metadata and Download Accessibility** ([EM-623](#)): Move buttons to the top of info forms and modify tests.



Managed Releases

Bilbomatica Tasks



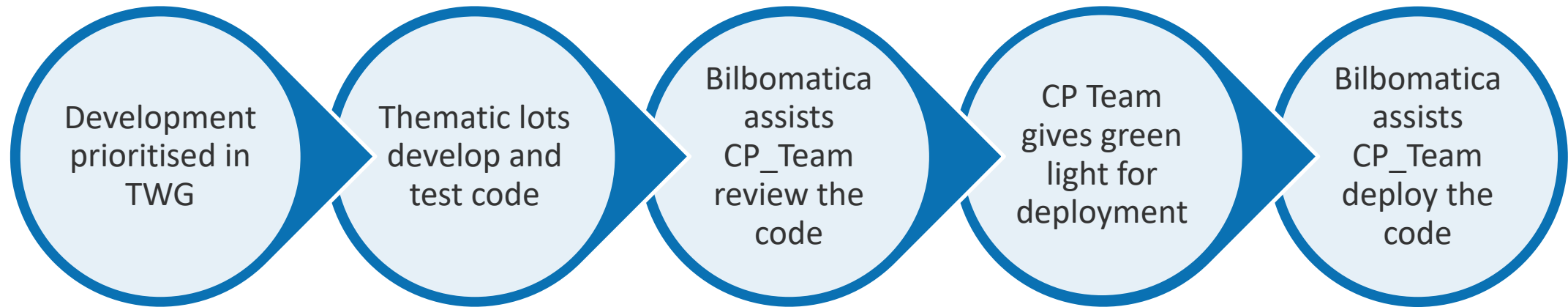
In 2024 we have 2 fully managed releases of MapView to implement outstanding feature requests, following feedback from the TWG

- **MapView v3.2.9** (Spring 2024): Improvements included in previous slides
- **MapView v3.3.0** (late Summer/Autumn 2024). Features requests and updates. Any development bugs found in these releases will be the responsibility of Bilbomatica to fix, this is the same situation as exists at the moment.

Move to community development of Open Source MapViewer

Bilbomatica Tasks

- Move the MapViewer code into a GitHub (or similar) development space.
- Ensure the documentation for the code is complete



Move to community development of Open Source MapViewer

Community Tasks



- This will be regulated by the CP Team and the TWG.
- The responsibility for testing and debugging the code of new features will be the responsibility of the developers of the new features. You will have to write unit tests for the newly developed feature(s)
- The deployments for bug fixes will happen at a frequency agreed between Bilbomatica and the CP team
- New deployments of the Map Viewer to accommodate newly developed features will occur, if needed, before the each TWG (every 6 months)



EMODnet

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Observation and
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Central Portal Technical Team Plan for EMODnet Ingestion

Joana Beja, Tim Collart, Conor Delaney, Frederic Leclercq, Bart Vanhoorne

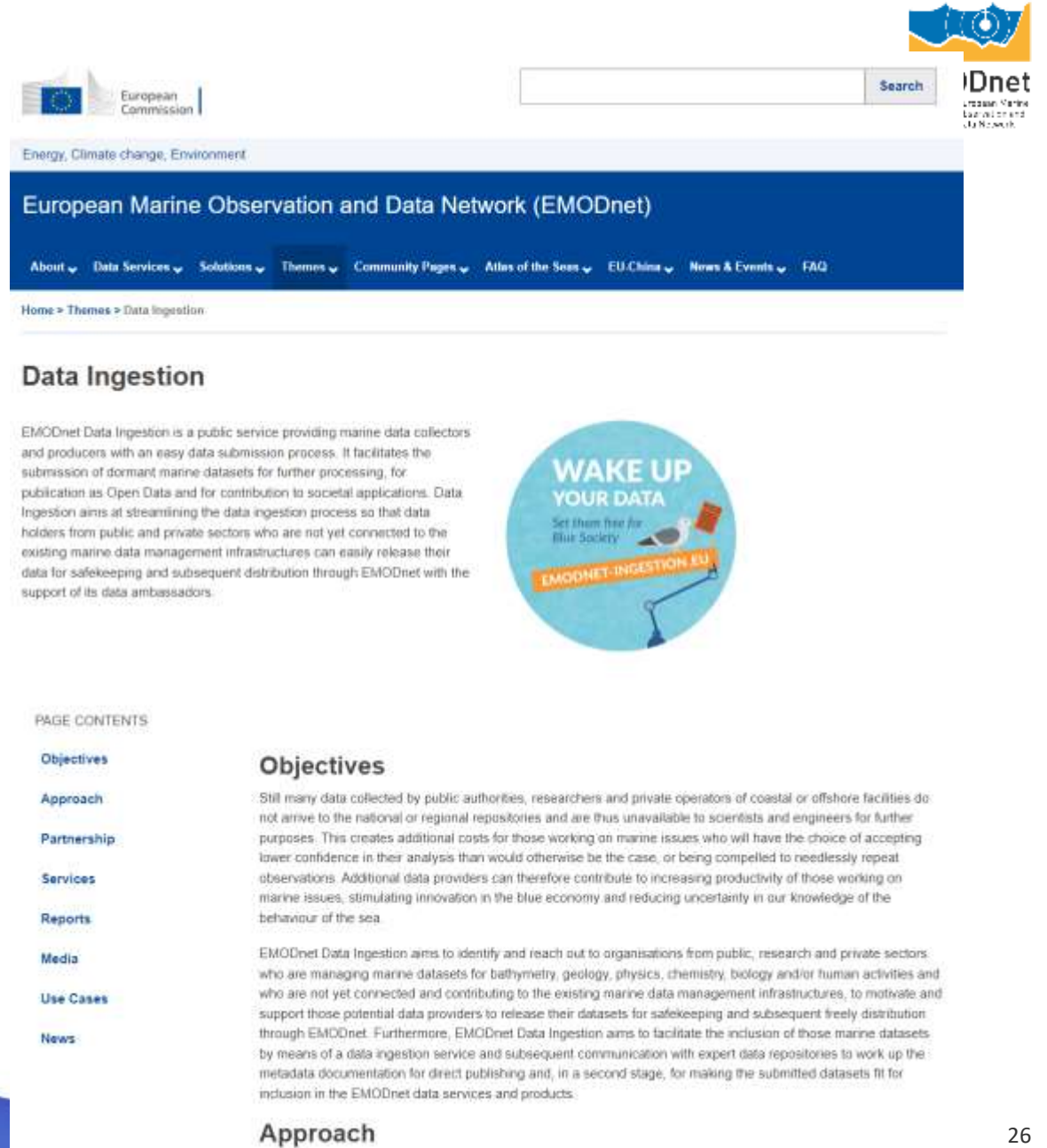
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Static content migration

- EM-322
- Ongoing
- Pages all mapped, pending review by Ingestion
- Secretariat (Nathalie and Conor) have started building a demo page on the development portal



The screenshot shows the EMODnet website interface. At the top right is the EMODnet logo and the text 'European Marine Observation and Data Network'. Below this is a search bar and the text 'Energy, Climate change, Environment'. The main header is 'European Marine Observation and Data Network (EMODnet)'. A navigation menu includes 'About', 'Data Services', 'Solutions', 'Themes', 'Community Pages', 'Atlas of the Seas', 'EU-China', 'News & Events', and 'FAQ'. The breadcrumb trail is 'Home > Themes > Data Ingestion'. The main heading is 'Data Ingestion'. The text describes EMODnet Data Ingestion as a public service for marine data collectors and producers, facilitating the submission of dormant marine datasets for further processing and publication as Open Data. A circular graphic on the right says 'WAKE UP YOUR DATA' and 'Set them free for Blue Society' with the URL 'EMODNET-INGESTION.EU'. The 'PAGE CONTENTS' section lists 'Objectives', 'Approach', 'Partnership', 'Services', 'Reports', 'Media', 'Use Cases', and 'News'. The 'Objectives' section states that many data collected by public authorities, researchers, and private operators do not arrive at national or regional repositories, creating additional costs and lower confidence in analysis. The 'Approach' section describes the process of identifying and reaching out to organizations managing marine datasets for bathymetry, geology, physics, chemistry, biology, and human activities, aiming to motivate and support data providers to release their datasets for safekeeping and subsequent free distribution through EMODnet.

Ingestion submission form

- EM-893
- Landing page in the CP
- Login via ECAS
- Form hosted in the CP
- Database kept at HCMR (Ingestion side)



Process Info

* = Required

FORM INFORMATION	
Submission Identifier (UUID)	561891d1-bc09-4628-af8d-1308d1f7d570
Status	Rejected by DC Contact: NO
Assigned Data Centre	
Contact Data Centre	
Last Update	
Dataset URL	
Date of phase 1 dataset publication	
Date of phase 2 dataset publication	
DOI	<input type="text" value="DOI"/>
How to cite	<input type="text" value="How to cite"/>

PROCESS SUMMARY PHASE 1
Phase 1 log
Phase 1 publication URL

REJECTION REASON
Rejection Reason

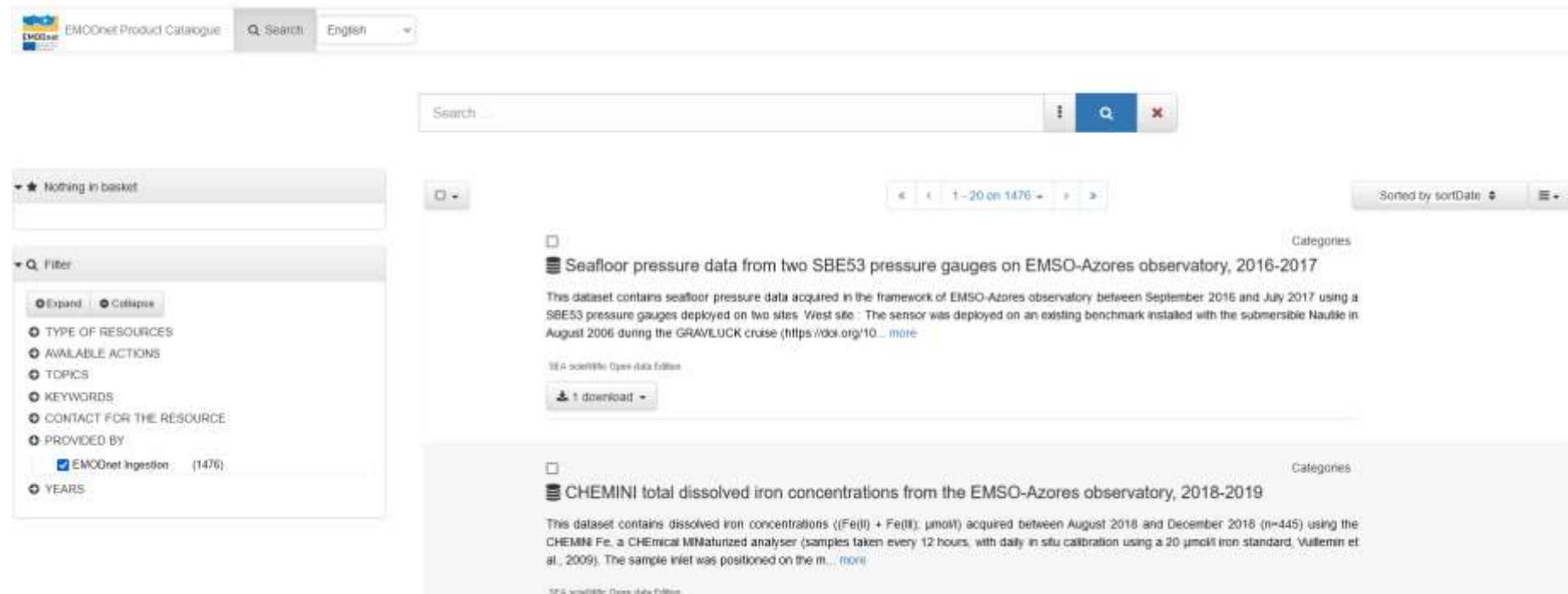
AMENDMENT REQUEST
Amendment Request Details

PROCESS SUMMARY PHASE 2
Phase 2 log
Phase 2 publication URL

CONTINUE

Ingestion catalogue

- EM-782
- Done
- 1476 records in the EMODnet CP catalogue



The screenshot shows the EMODnet Product Catalogue search results page. At the top, there is a search bar with the text "EMODnet Product Catalogue" and a search icon. Below the search bar, there is a search input field with the text "Search" and a search icon. To the right of the search bar, there is a language dropdown menu set to "English".

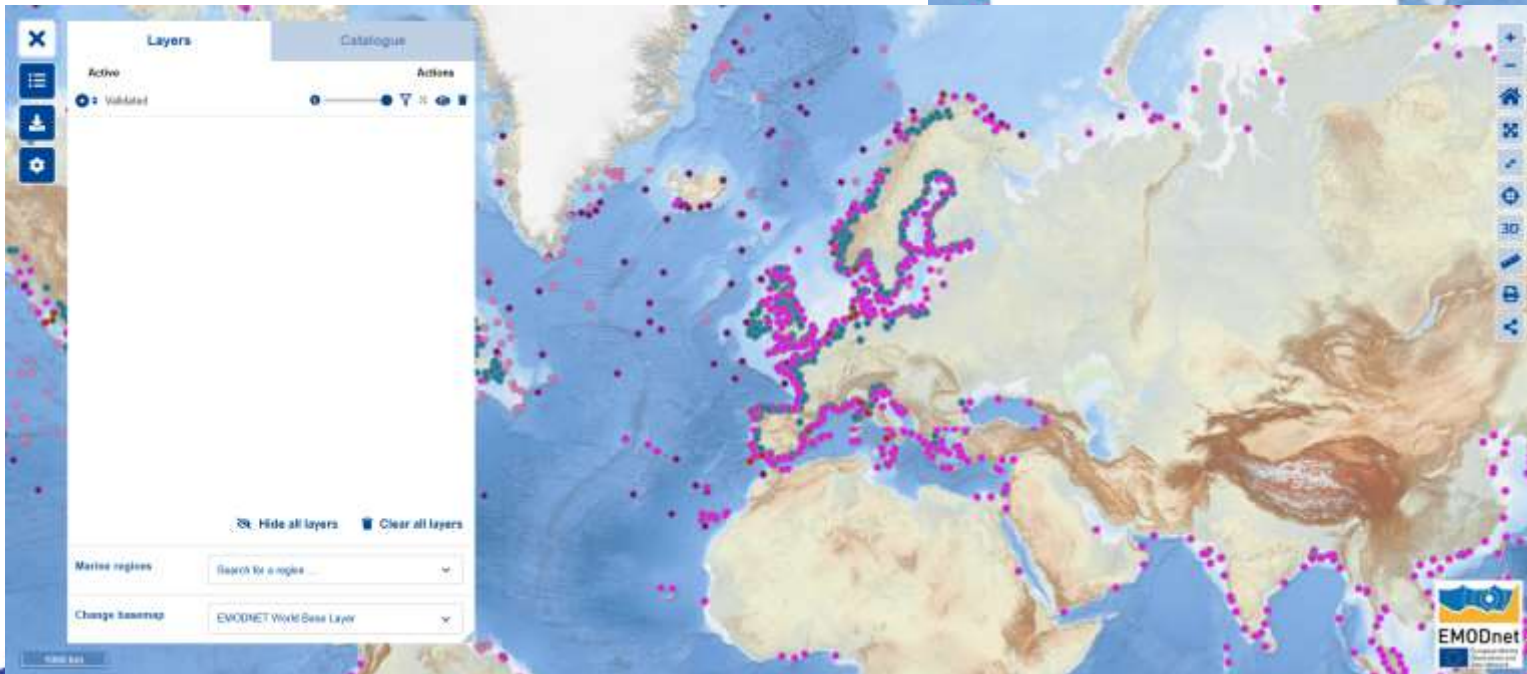
On the left side, there is a sidebar with a "Nothing in basket" section and a "Filter" section. The "Filter" section has a search icon and a list of filter categories: "TYPE OF RESOURCES", "AVAILABLE ACTIONS", "TOPICS", "KEYWORDS", "CONTACT FOR THE RESOURCE", "PROVIDED BY", and "YEARS". The "PROVIDED BY" category is expanded, showing a checkbox for "EMODnet ingestion" which is checked, with a count of "(1476)".

The main content area shows a list of search results. The first result is "Seafloor pressure data from two SBE53 pressure gauges on EMSO-Azores observatory, 2016-2017". The description for this result is: "This dataset contains seafloor pressure data acquired in the framework of EMSO-Azores observatory between September 2016 and July 2017 using a SBE53 pressure gauges deployed on two sites. West site: The sensor was deployed on an existing benchmark installed with the submersible Nautilus in August 2006 during the GRAVELUCK cruise (<https://doi.org/10...>, more). SEA scientific Open data Edition" and a "download" button.

The second result is "CHEMINI total dissolved iron concentrations from the EMSO-Azores observatory, 2018-2019". The description for this result is: "This dataset contains dissolved iron concentrations ((Fe(II) + Fe(III)) μmol/l) acquired between August 2018 and December 2018 (n=445) using the CHEMINI Fe, a CHEMICAL MINaturized analyser (samples taken every 12 hours, with daily in situ calibration using a 20 μmol/l iron standard, Valentin et al., 2009). The sample inlet was positioned on the m... more" and a "download" button.

SWE Demonstrator

- EM-785
- Implementation in development
Viewer is done
- Changes needed in input files-> Physics





EMODnet

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EMODnet Metadata review and harmonization Distribution information and resource constraints

Tim Collart

**15th EMODnet Technical Working Group
12 March 2024**

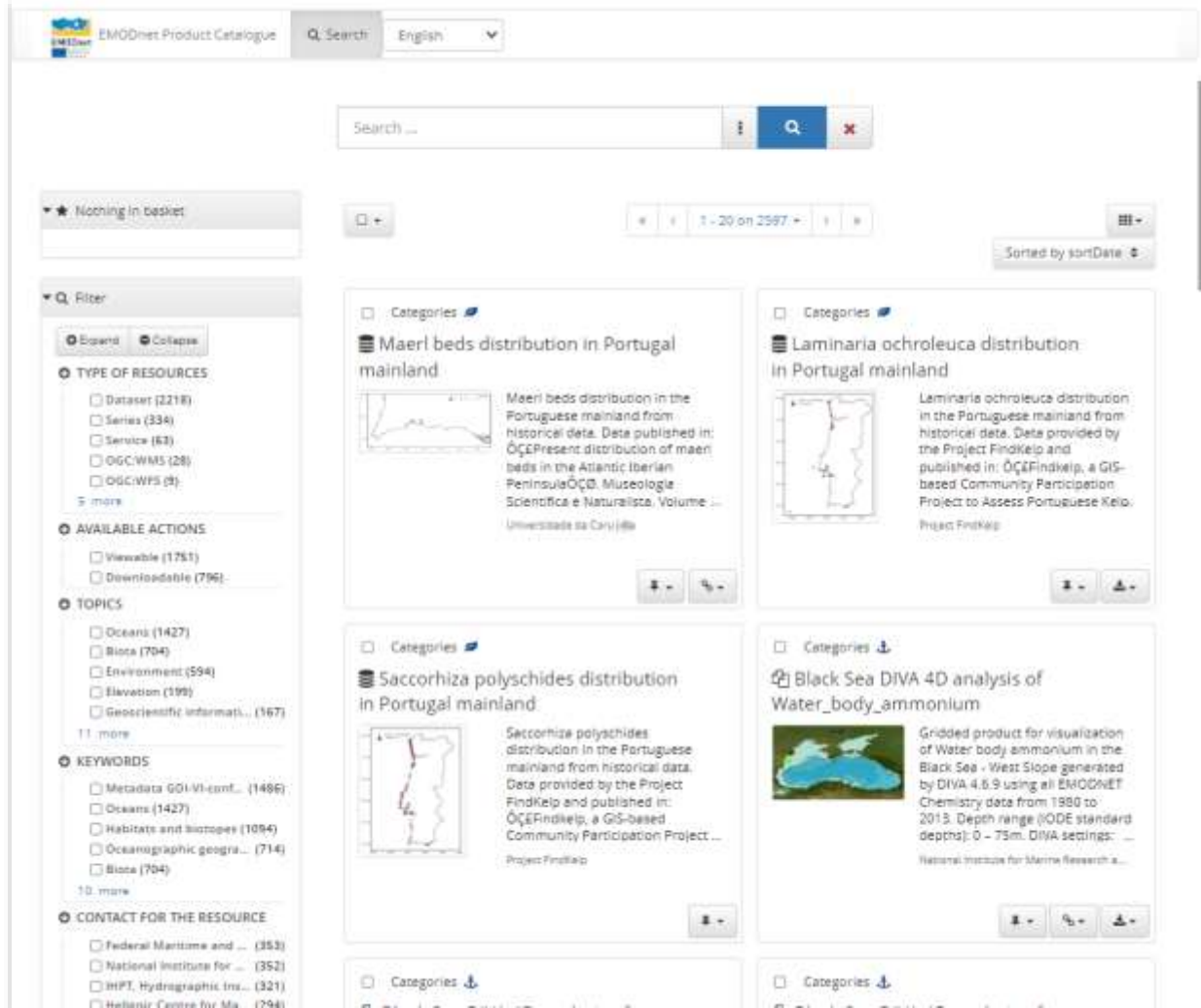


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Harmonize EMODnet metadata

Why?

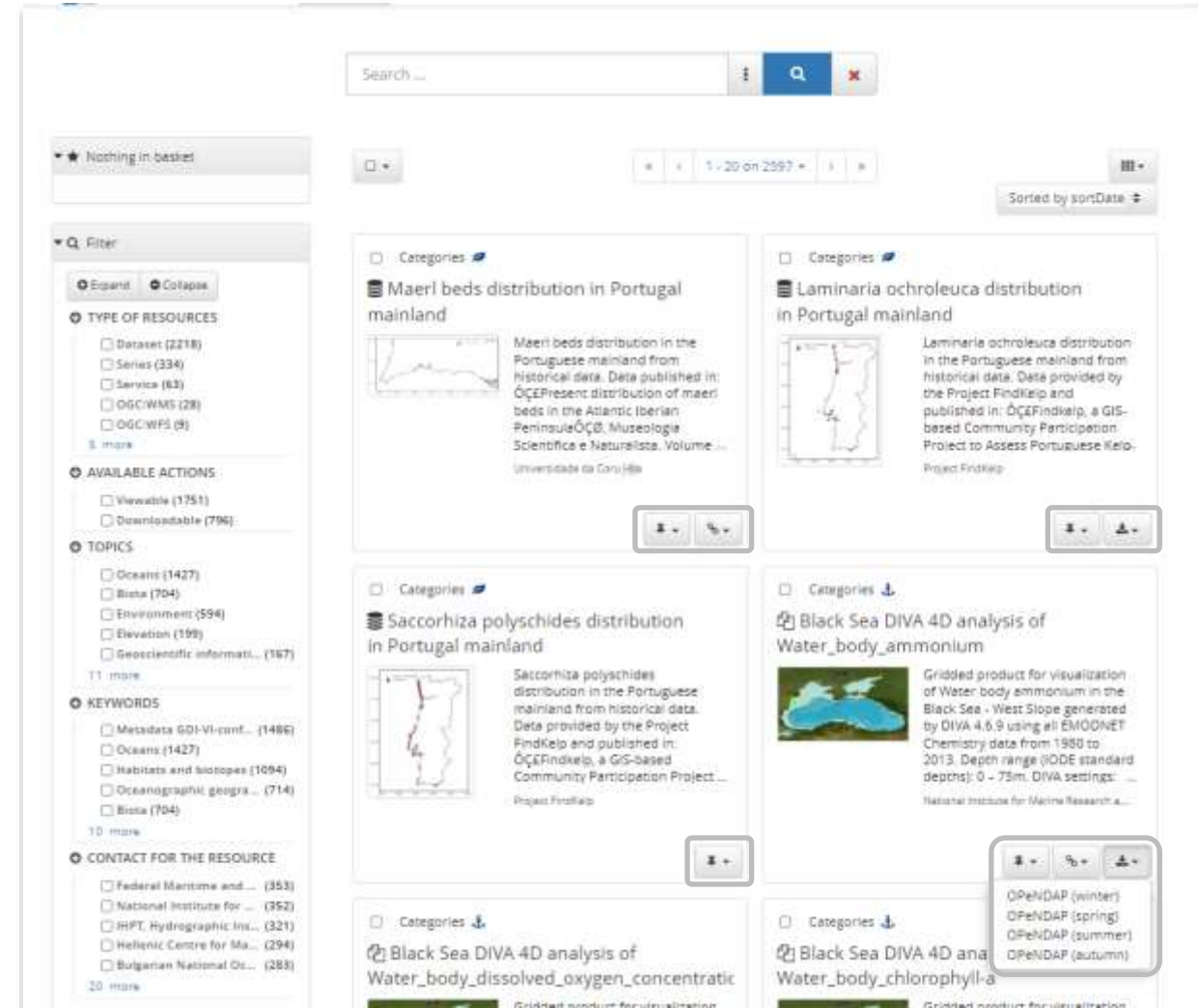
- Users access metadata through one central EMODnet catalogue



Harmonize EMODnet metadata

Why?

- Users access metadata through one central EMODnet catalogue
- Need to further improve on how metadata and download options are displayed to users
- Requires metadata from different thematics to be formatted in a common way

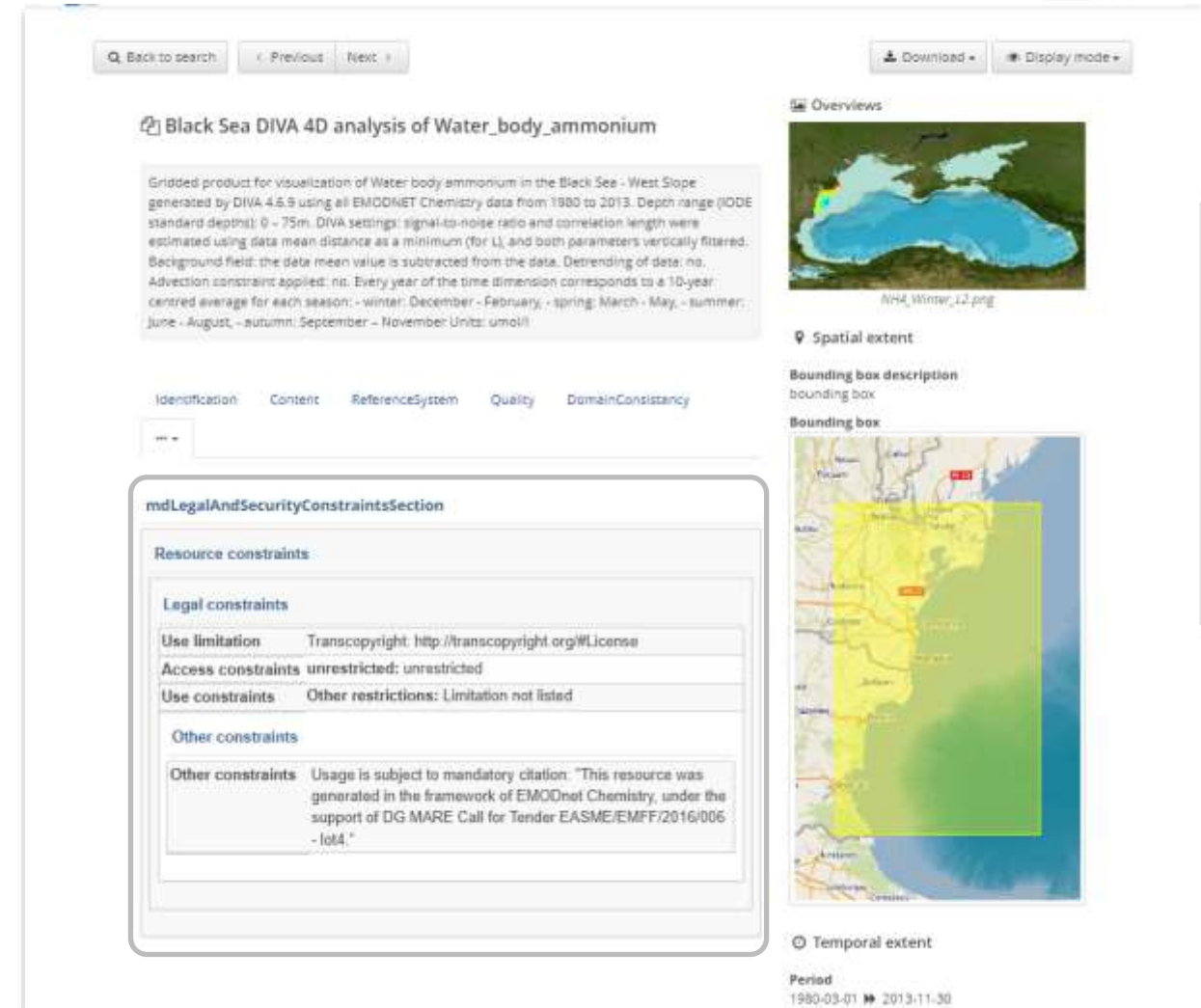


The screenshot displays the EMODnet metadata catalogue interface. At the top, there is a search bar and a navigation bar showing '1 - 20 on 2097'. Below the search bar, there is a 'Nothing in basket' section. A 'Filter' sidebar on the left allows users to refine results by 'TYPE OF RESOURCES' (Dataset, Series, Service, OGC/WMS, OGC/WFS), 'AVAILABLE ACTIONS' (Viewable, Downloadable), 'TOPICS' (Oceans, Biosa, Environment, Elevation, Geoscientific informati...), 'KEYWORDS' (Metadata GDI-VI-conf..., Oceans, Habitats and biotopes, Oceanographic geogra..., Biosa), and 'CONTACT FOR THE RESOURCE' (Federal Maritime and..., National Institute for..., IHPT, Hydrographic Ins..., Hellenic Centre for Ma..., Bulgarian National Oc...). The main content area shows a grid of metadata items, each with a title, a small thumbnail image, and a brief description. The items include 'Maerl beds distribution in Portugal mainland', 'Laminaria ochroleuca distribution in Portugal mainland', 'Saccorhiza polyschides distribution in Portugal mainland', and 'Black Sea DIVA 4D analysis of Water_body_ammonium'. Each item has a 'Categories' dropdown menu and a 'Download' icon. A tooltip for the 'Black Sea DIVA 4D analysis of Water_body_ammonium' item shows a list of seasons: 'OPeNDAP (winter)', 'OPeNDAP (spring)', 'OPeNDAP (summer)', and 'OPeNDAP (autumn)'.

Harmonize EMODnet metadata

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The screenshot shows a metadata page for a dataset titled "Black Sea DIVA 4D analysis of Water_body_ammonium". The page includes a search bar, navigation buttons, and a description of the dataset. A detailed "Legal and Security Constraints" section is highlighted, showing resource constraints such as legal, access, and other constraints. The page also features a map of the Black Sea region and a bounding box description.

Black Sea DIVA 4D analysis of Water_body_ammonium

Gridded product for visualization of Water body ammonium in the Black Sea - West Slope generated by DIVA 4.5.9 using all EMODNET Chemistry data from 1980 to 2013. Depth range (MODE standard depths): 0 - 75m. DIVA settings: signal-to-noise ratio and correlation length were estimated using data mean distance as a minimum (for L), and both parameters vertically filtered. Background field: the data mean value is subtracted from the data. Detrending of data: no. Advection constraint applied: nit. Every year of the time dimension corresponds to a 10-year centred average for each season: - winter: December - February, - spring: March - May, - summer: June - August, - autumn: September - November. Units: umol/l.

Identification: Content ReferenceSystem Quality DomainConsistency

... -

mdLegalAndSecurityConstraintsSection


Resource constraints:

Legal constraints	
Use limitation	Transcopyright: http://transcopyright.org/WLicense
Access constraints	unrestricted; unrestricted
Use constraints	Other restrictions: Limitation not listed

Other constraints

Other constraints	Usage is subject to mandatory citation: "This resource was generated in the framework of EMODnet Chemistry, under the support of DG MARE Call for Tender EASME/EMFF/2016/006 - lot4."
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Overview




NH4_Winter_12.png

Spatial extent

Bounding box description
bounding box

Bounding box



Temporal extent

Period
1980-03-01 ►►► 2013-11-30

Harmonize EMODnet metadata

Why?

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 - Requires metadata from different thematics to be formatted in a common way
- EMODnet catalogue is harvested in other portals:
 - Already harvesting:
GEOSS

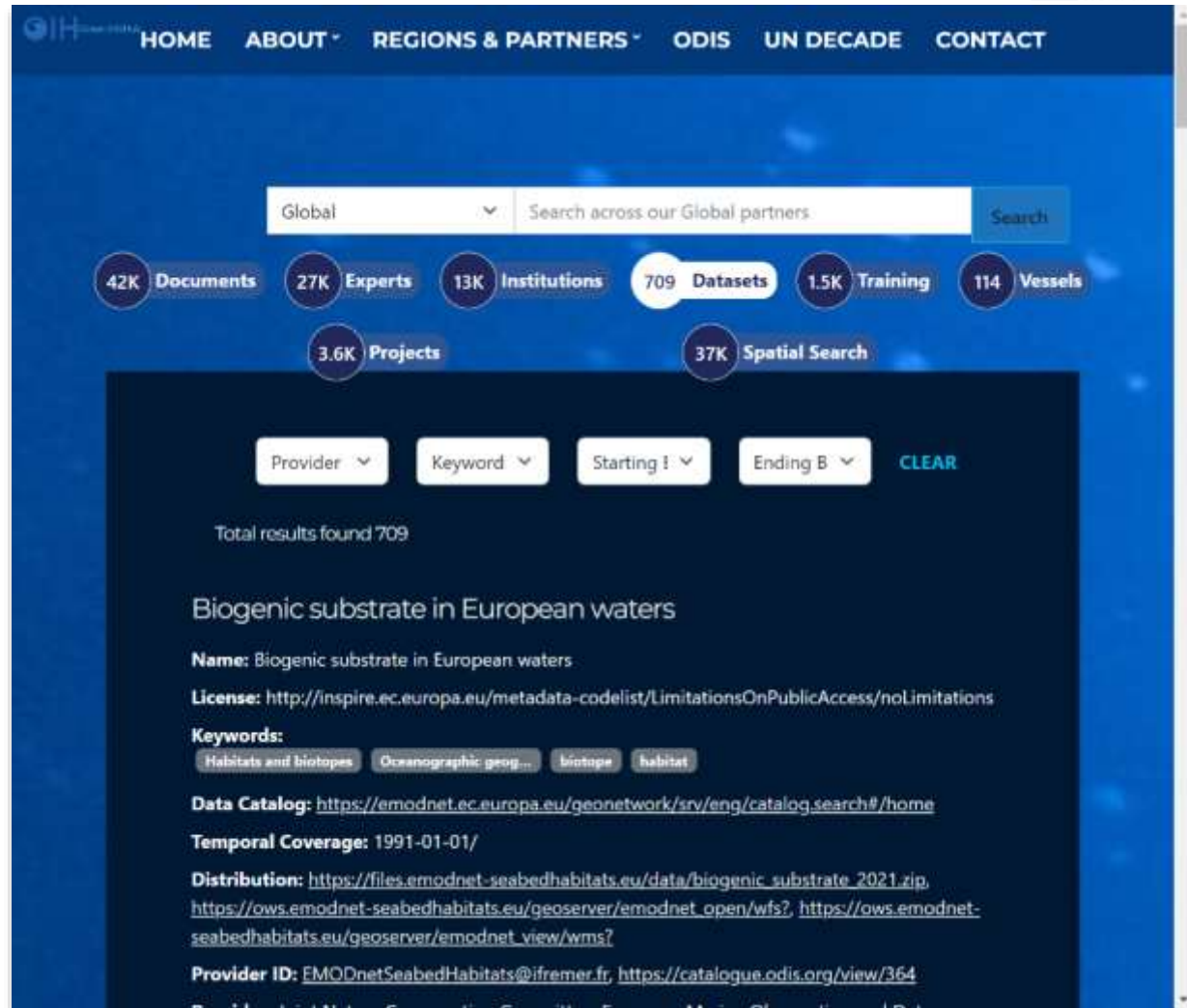


The screenshot displays the GEOSS Portal interface. At the top, there are navigation icons for a menu, GEOSS logo, and language selection (English). A search bar contains the text "Enter search words". Below the search bar is a "FILTER BY" section with tabs for "FILTER BY" and "ADVANCED". The "ADVANCED" tab is active, showing filters for "Keyword", "Format", "Organisation", "Protocol", and "Service Health". A search result is selected, showing "European Marine Observation and...". The main content area displays a grid of metadata results, including "Global habitat suitability for Stolonifera cold water...", "EMODnet Digital Bathymetry (DTM 2022)", "Bathymetry of Saint Croix, the U.S. Virgin Islands", "Seabed Habitat (EUNIS) - FR9402014 'Grand Herbiere'", "The Nature Conservancy Caribbean Benthic Habitat...", and "Total Suspended Matter Baltic Sea". At the bottom, there is a "Sources: GEOSS (3K)" button and a pagination indicator "6 of 235".

Harmonize EMODnet metadata

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Harmonize EMODnet metadata

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 - Already harvesting:
 - GEOSS
 - Ocean Info Hub
 - Future plans:
 - EU DATA PORTAL
 - INSPIRE PORTAL



EUROPEAN
DATA PORTAL



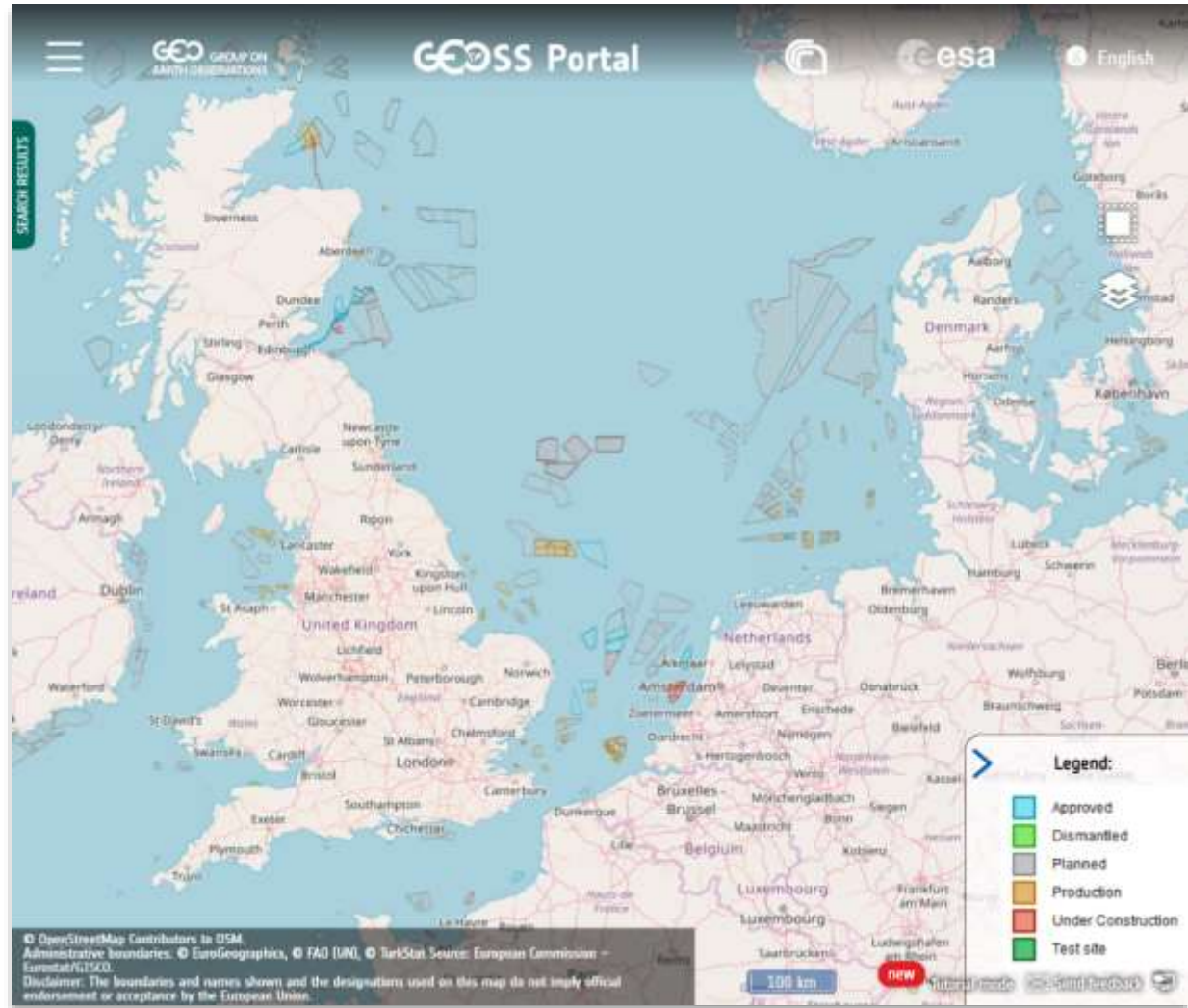
INSPIRE GEOPORTAL



Harmonize EMODnet metadata

Why?

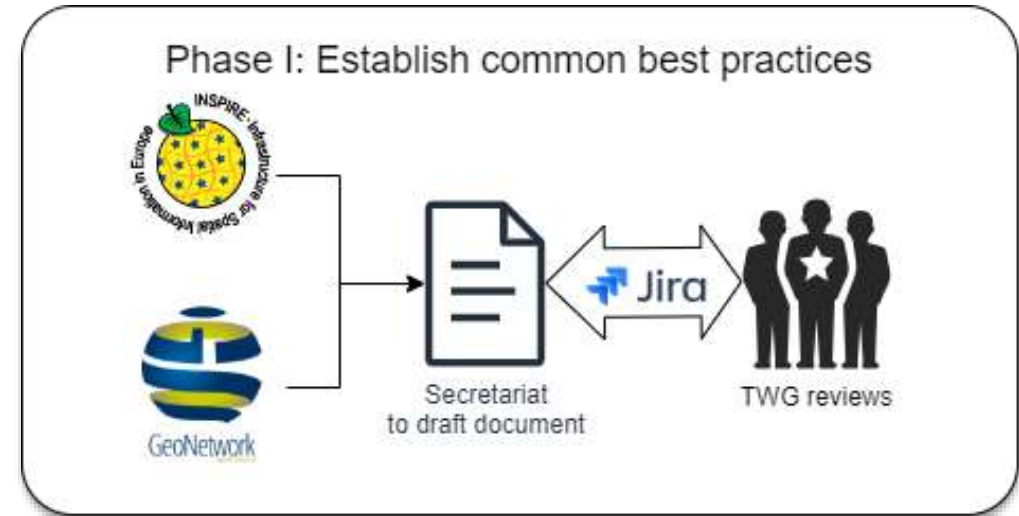
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 - GEOSS
 - Ocean Info Hub
 - EU DATA CATALOGUE
 - INSPIRE PORTAL
 - Future plans:
- Improving interoperability with these platforms requires metadata to be formatted according to ISO/INSPIRE standards



Harmonize EMODnet metadata

How?

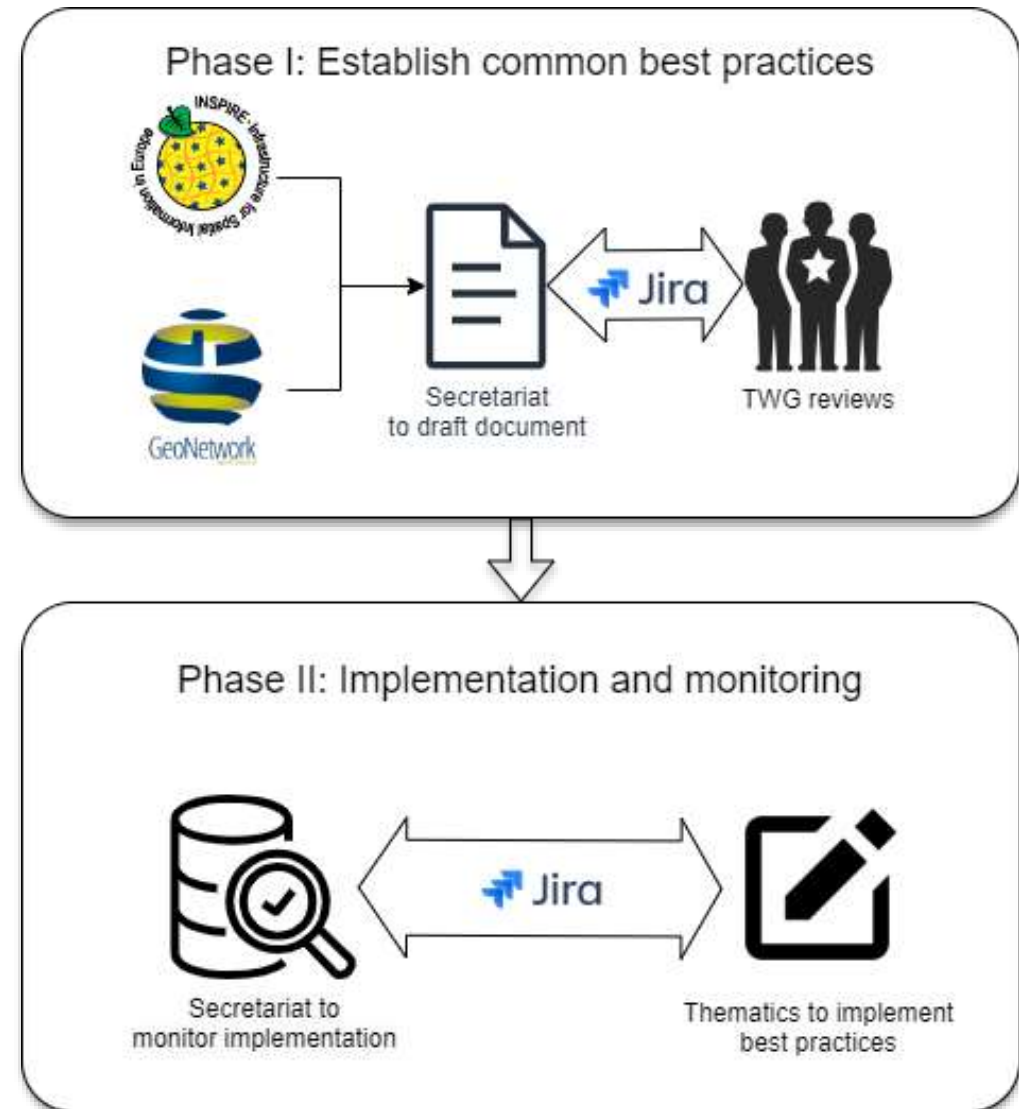
- Phase I: Establish common best practices
 - Secretariat has prepared a document with best practices on how to implement these metadata fields based on:
 - [INSPIRE Technical Guidelines](#)
 - [GeoNetwork documentation](#)
 - TWG to review the document and provide feedback to establish common best practices.
 - Will be shared in JIRA after TWG



Harmonize EMODnet metadata

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 - Will be shared in JIRA after TWG
- Phase II: Implementation and monitoring
 - Thematics to implement these best practices in their metadata records
 - Secretariat will develop automated evaluation of the implementation as part of the Quarterly Reporting Cycle



Harmonize EMODnet metadata:

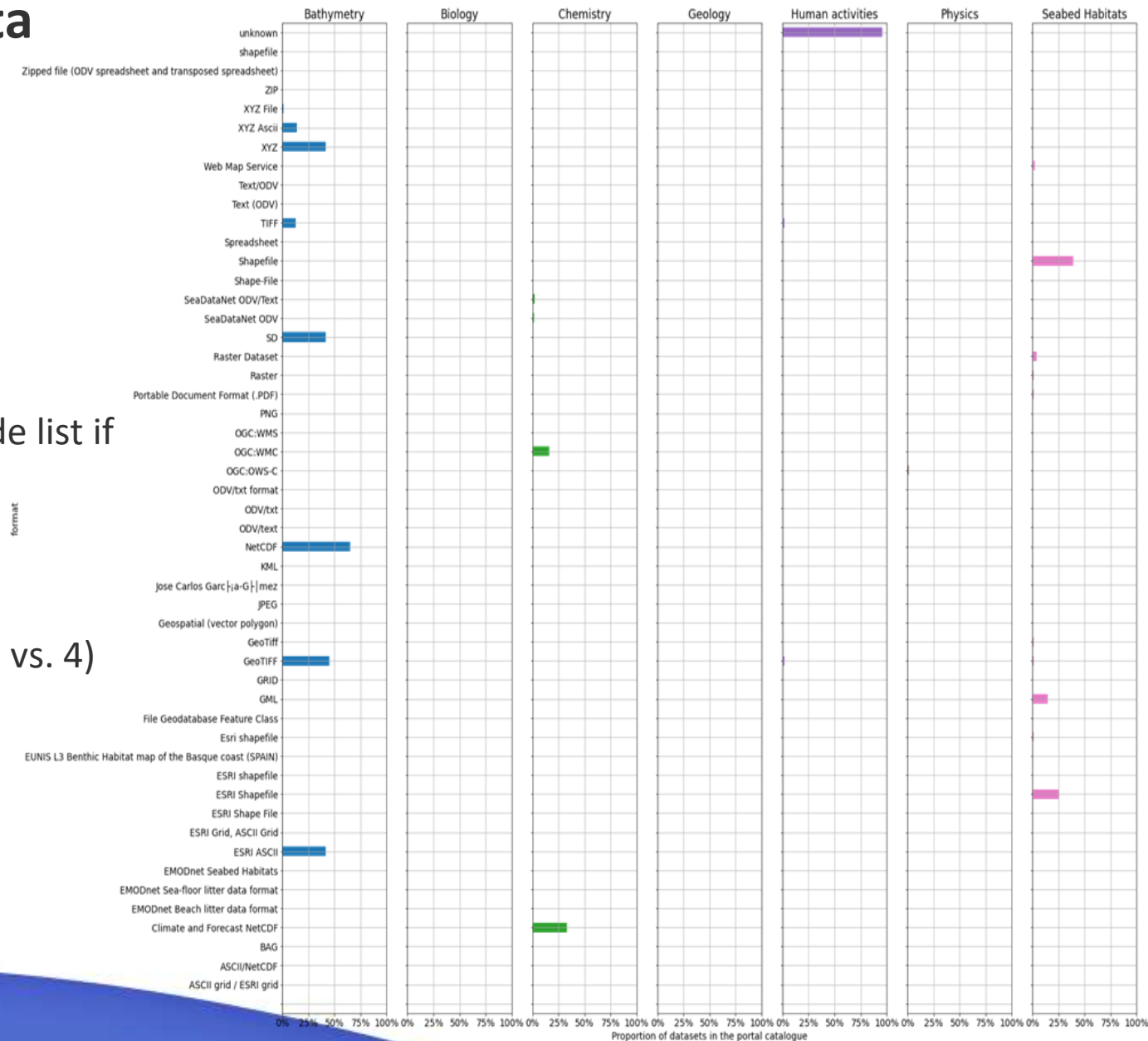
What?

- Prioritise metadata fields important for use and access to EMODnet products
 - Distribution Information (data formats, download links, web services)
 - Resource Constraints (Limitations on use & access, licenses)
- Analysed in EMODnet Secretariat D2.4 & presented at previous technical working group meetings

Harmonize EMODnet metadata

Distribution Information

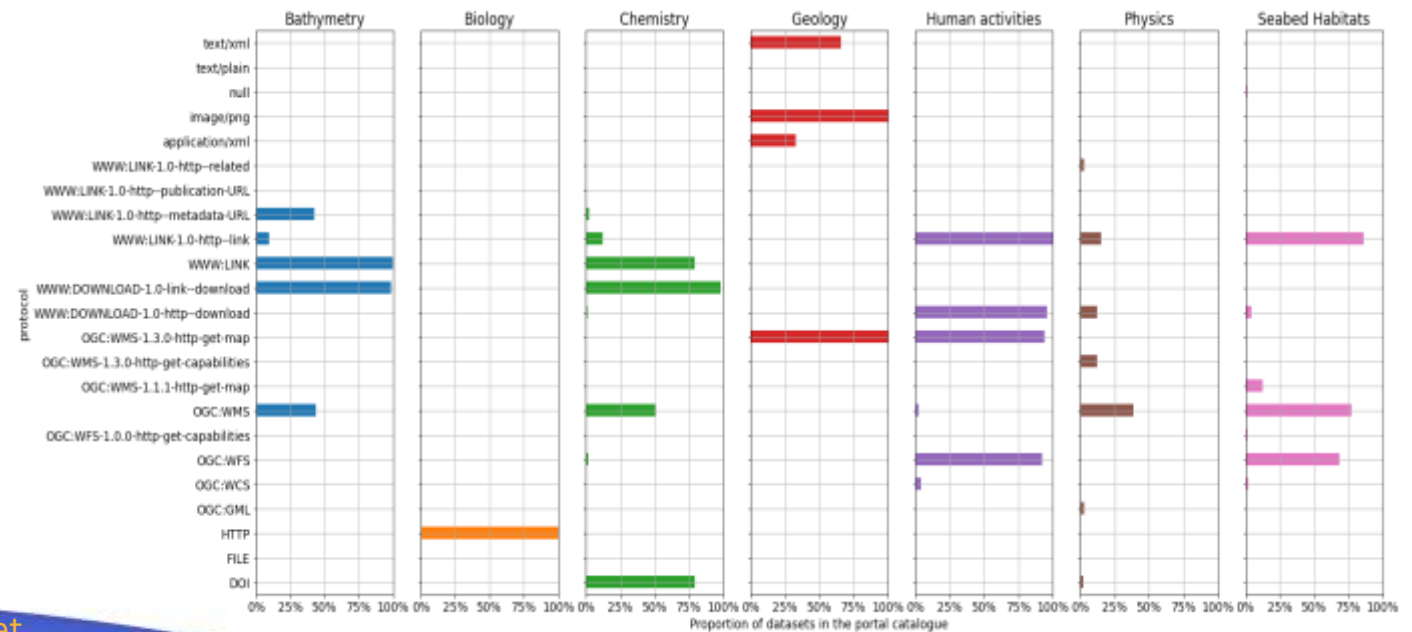
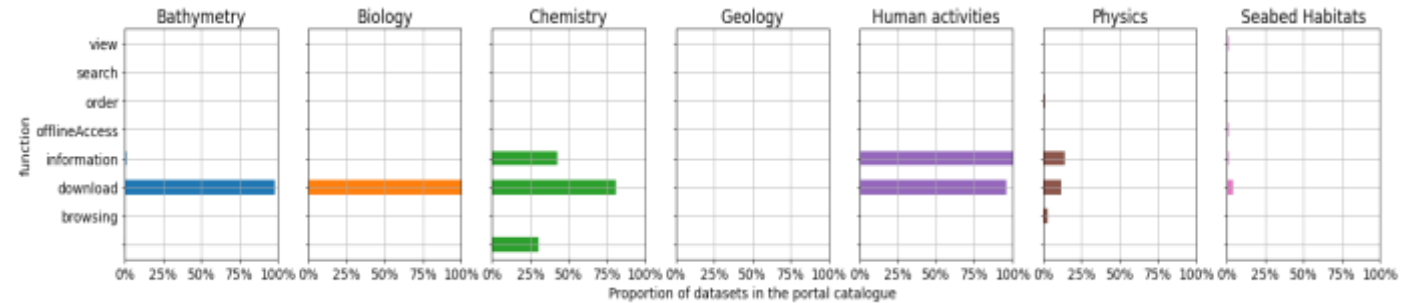
- Format:
 - only populated for 43% datasets
 - 54 uniquely worded data formats, many redundant
 - Proposed guidelines:
 - ✓ Should be specified if possible
 - ✓ Should be standardized: Use existing code list if possible:
 - **INSPIRE code list:**
<https://inspire.ec.europa.eu/media-types>
 - **Others suggestions from the TWG?**
 - ✓ Specify version if possible (e.g. NetCDF 3 vs. 4)



Harmonize EMODnet metadata

Distribution Information

- Transfer Options
 - Links described with:
- Function
 - populated for 59% of datasets
 - view/blank not in controlled vocabulary
- Protocol:
 - Populated (at least one) for 98% of datasets
 - 23 uniquely worded protocols
- Proposed guidelines:
 - ✓ Specify function from controlled vocab only
 - ✓ If available specify the following (more links optional):
 - view service (WMS)
 - download service (WFS/WCS/ERDDAP)
 - file download
 - ✓ Standardize the protocol specification:
 - HTML pages (WWW:LINK).
 - file downloads (WWW:DOWNLOAD).
 - OGC web services (e.g. OGC:WMS, OGC:WFS, OGC:WCS)
 - ERDDAP web service: ERDDAP:GRIDDAP, ERDDAP:TABLEDAP? Or just WWW:LINK to dataset page?



Harmonize EMODnet metadata

Legal Constraints

- UseConstraints

- populated for 71% of datasets
- Specific licences are not part of this ISO controlled vocabulary

- AccessConstraints

- populated for 89% of datasets
- Specific licences are not part of this ISO controlled vocabulary

- Use Limitations

- populated for 68% of datasets
- ISO standard, but not INSPIRE implementation
- Some thematics use this for specific constrains rather than Use/AccessConstraint with OtherConstraints specification

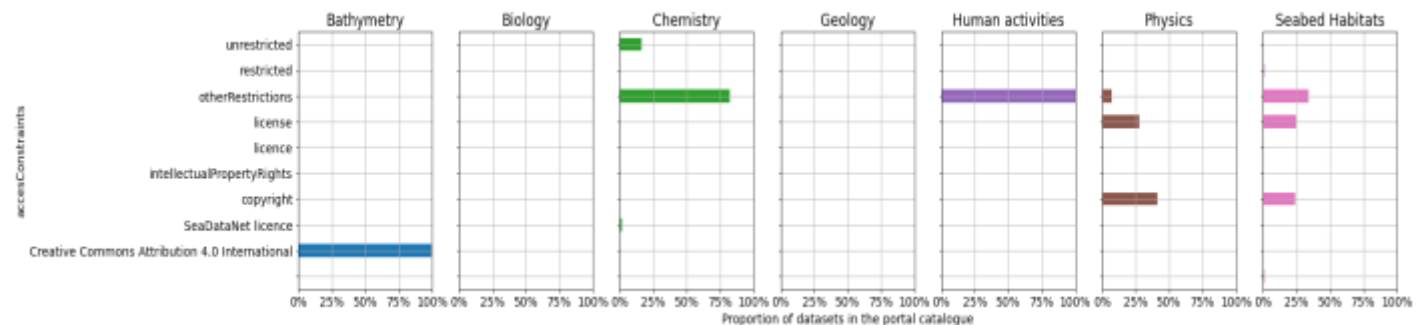
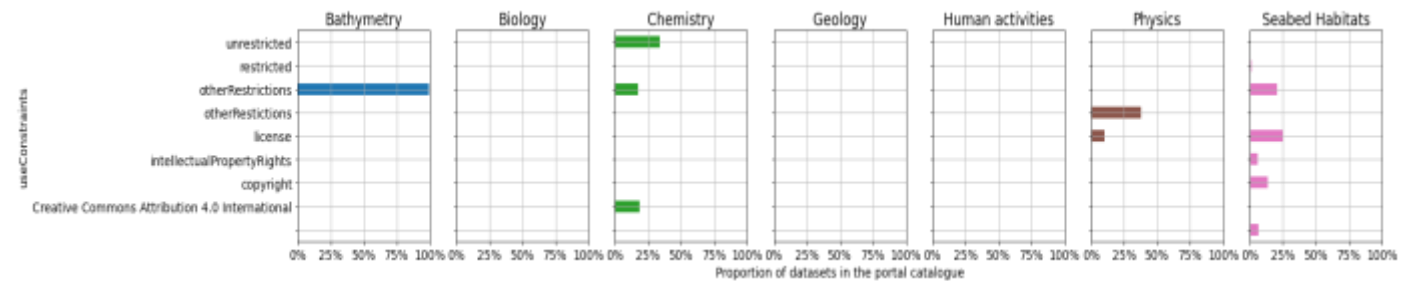
- Proposed guidelines: follow INSPIRE specification

- ✓ One! Legal constraints element for the “Limitations on Public Access”

- AccessConstraint element set to “OtherRestrictions”
- OtherConstraint that describes the limitation on Public Access linking to code list <http://inspire.ec.europa.eu/metadata-codelist/LimitationsOnPublicAccess/> e.g. 'no limitations to public access'

- ✓ One or more Legal constraints element for the “Conditions Applying To Access And Use”

- Access/UseConstraint element set to “OtherRestrictions”
- OtherConstraint that describes the Conditions on Access and Use linking to code list <http://inspire.ec.europa.eu/metadata-codelist/ConditionsApplyingToAccessAndUse/> or linking to specific licences (e.g. <https://creativecommons.org/licenses/by/4.0/>)





EMODnet

European Marine
Observation and
Data Network

Move to Drupal 10 & ECAS

Progress update

Bart Vanhoorne, VLIZ, EMODnet CP Team

15th EMODnet Technical Working Group
12 March 2024

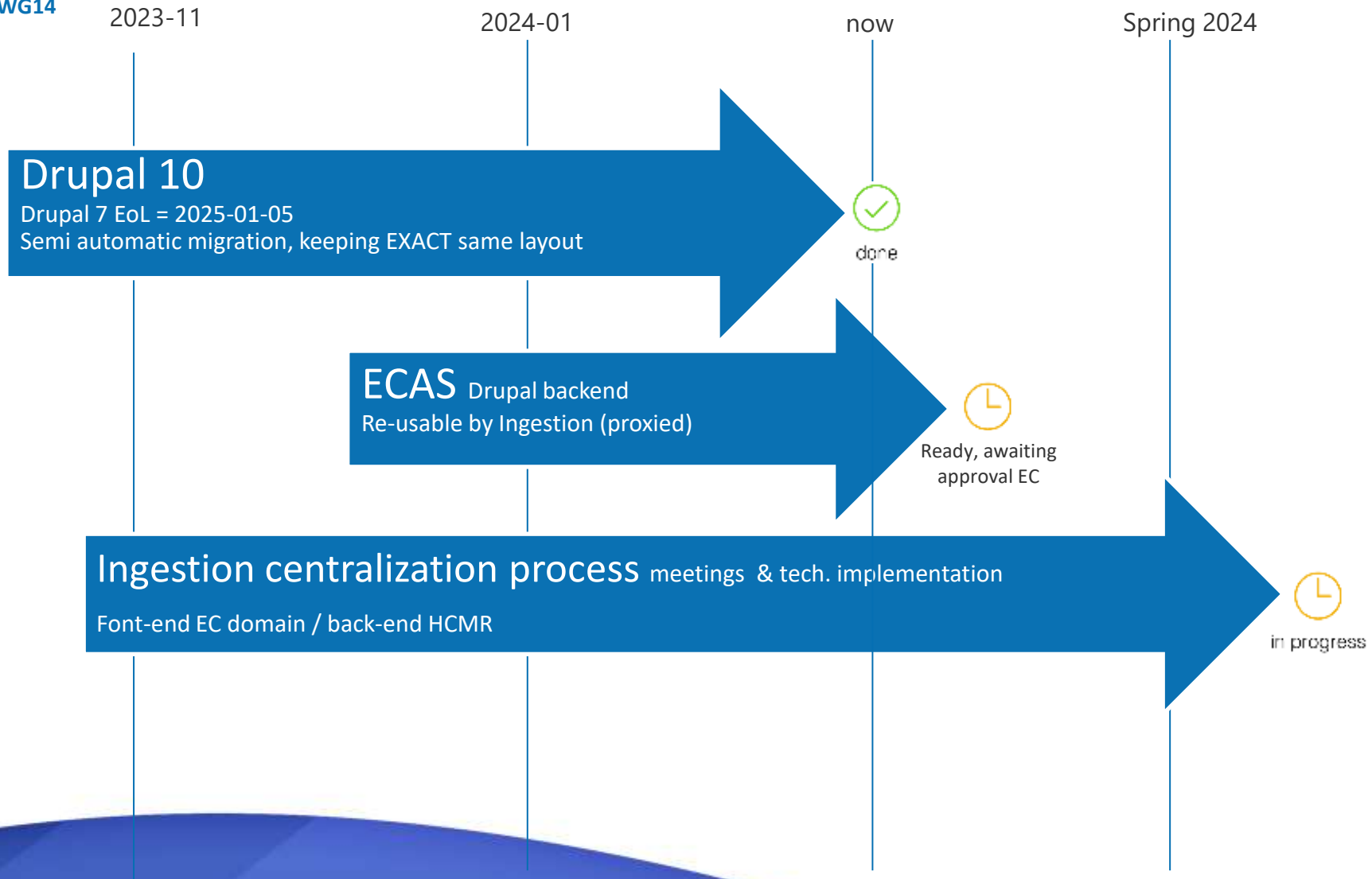


The European Marine Observation and Data Network (EMODnet) is financed by the European Union under Regulation (EU) 2021/1139 of the European Parliament and of the Council of 7 July 2021 establishing the European Maritime, Fisheries and Aquaculture Fund.

Drupal 10 & ECAS integration

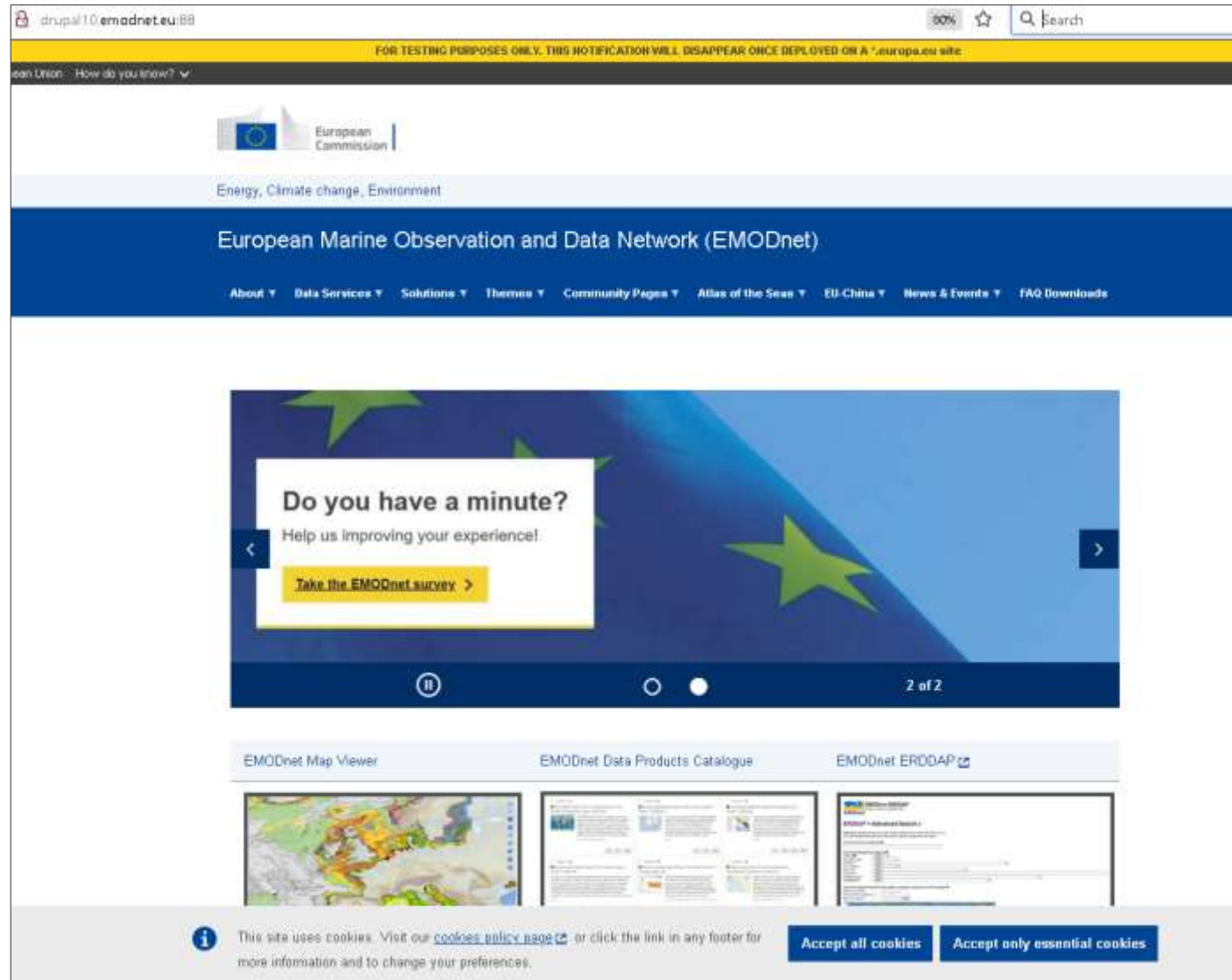
Updated timeline

Timings remain the same as in TWG14



Drupal 10

Preview



Some features

- Latest Drupal CMS
- Stand alone (not multi-site)
- Use of OpenEurope oe_theme
- Exact same layout
- Fully responsive
- All content migrated. Todos:
 - Review by CP team
 - Small layout fixes
- Backend login via ECAS
 - Awaiting approval EC
 - Initial editing by CP team
 - Later: by lots via moderation
- App "integrations"
 - Metadata catalogue (GeoNetwork)
 - Ingestion forms (template ready)
- DEV environment accesible for collaboration



EMODnet

European Marine
Observation and
Data Network

Collection of metrics for progress reporting: Europa Analytics

Nathalie Tonné, Conor Delaney

**15th EMODnet Technical Working Group
12 March 2024**



The European Marine Observation and Data Network (EMODnet) is financed by the European Union under Regulation (EU) 2021/1139 of the European Parliament and of the Council of 7 July 2021 establishing the European Maritime, Fisheries and Aquaculture Fund.

Reporting process as of January 2023: narrative



EASME/EMFF/20xx/1.3.1.x/LotX/SI2.8xxxxx – EMODnet Thematic Lot n°X - NAME
Quarterly Progress Report

Contents

1. Highlights in this quarter	3
2. Identified issues: status and actions taken	4
3. Communication assets	5
4. Monitoring indicators	7
5. Annex: Other documentation attached	9

EASME/EMFF/20xx/1.3.1.x/LotX/SI2.8xxxxx – EMODnet Thematic Lot n°X - NAME
Interim/Final Progress Report

Contents

1. Introduction	3
2. Update on the Tasks	4
3. Work Package updates	5
4. Identified issues: status and actions taken	6
5. Allocation of project resources	7
6. User feedback	8
7. Meetings/events held/attended & planned	9
8. Communication assets	10
9. Monitoring indicators	13
10. Recommendations for follow-up actions by the EU	15
11. Annex: Other documentation attached	16

All thematics + DIP

Reporting process as of January 2023: **statistics/spreadsheet – THEMATICS**



Quarterly & Interim/Final progress reporting

- Download stats collected from **your servers!**
- **Europa Analytics statistics sent to you by Secretariat at end of Q**

Data & data product availability: status overview of the data & products available on + their geographic coverage

Indicator 1A: Volume & coverage of available thematic data

manual collection by thematic

Indicator 2A: Volume & coverage of available thematic data products

manual collection by thematic

Data and data product usage: download frequency by users (both manual and web service)

Indicator 1B: Usage of data

manual collection by thematic **from server**

Indicator 2B: Usage of data products

manual collection by thematic **from server**

Data availability: volume and type of data supplied by organisations to EMODnet, to be aware of the data sharing potential of incoming datasets

Indicator 3: Internal and external organisations supplying data

manual collection by thematic

Web traffic: information on how EMODnet data and products are used, high-level information on users

Indicator 5.1: Daily number of page views of EMODnet <Theme> entry page

collected by Europa Analytics

Indicator 5.2: Quarterly total number of visitors, page views, unique page views and percentage of returning visitors

collected by Europa Analytics

Reporting process as of January 2023: **statistics/spreadsheet – THEMATICS**



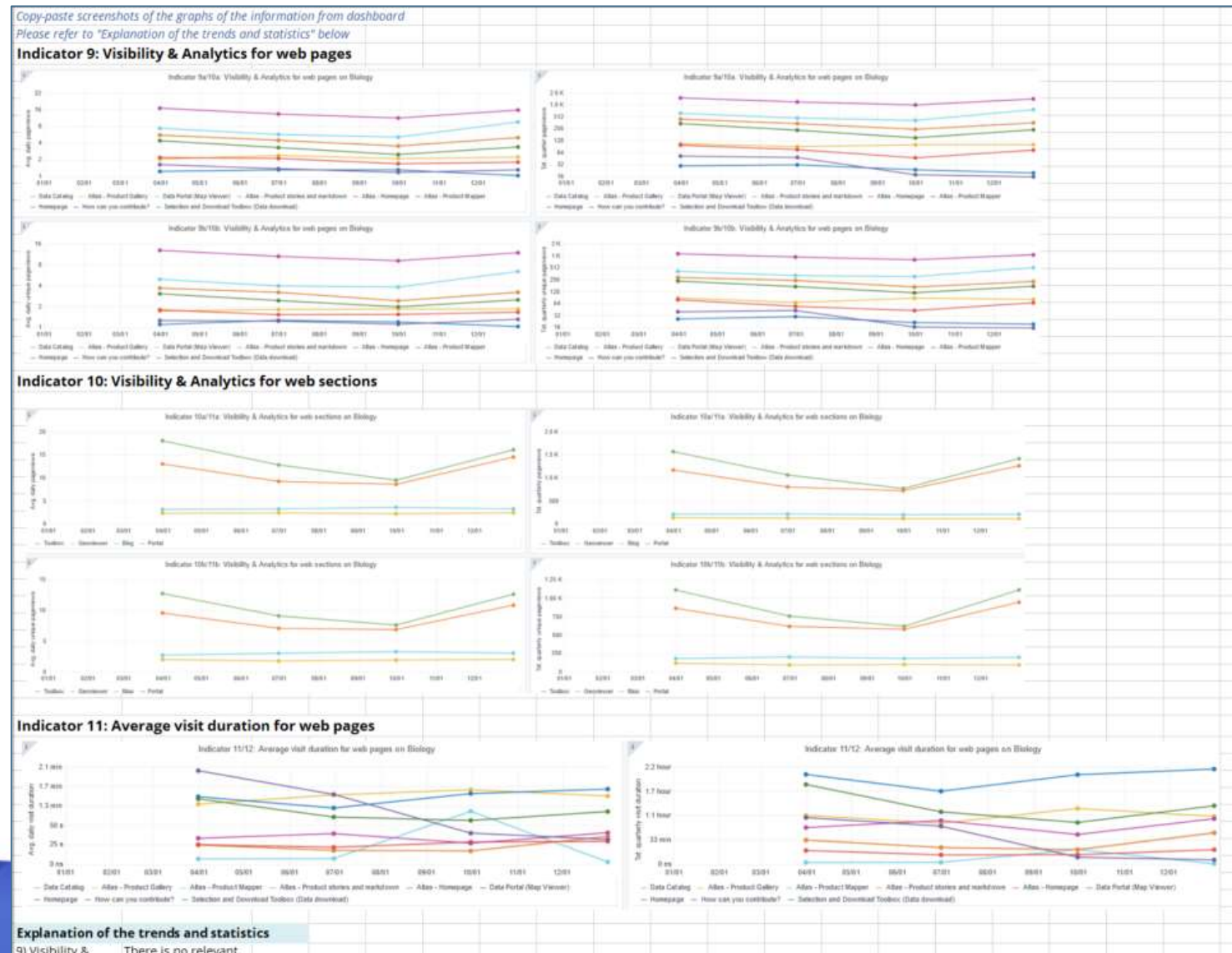
Work is starting on :

- Collecting download statistics from the central ERDDAP
- Collecting download statistics from the central Geoserver
- Collecting statistics from clicks on download buttons in the map viewer
- Collecting statistics from various user interactions on the Map Viewer (i.e., which layers are most popular etc)

- This work is being carried out by Trust-IT under the supervision of the Central Portal Technical Team

Reporting process as of January 2023: **statistics/spreadsheet – DATA** **INGESTION**

Continue using Grafana Dashboard for web traffic stats until centralisation process completed



Reporting templates in shared SC Folder on Google Drive



- Reporting templates are available in shared SC Google Drive folder:
https://drive.google.com/drive/folders/1dxh7of7O1RncSyqWs0cyezv3xPYII8Cf?usp=drive_link

Reminder to not use the Europa Analytics API



- Please do not use the EA API. Everything that you need should be in the Dashboard.
- Remember that you still need to collect your own data download statistics from your servers.
- In 2024 we will look to gathering download statistics from the EA by tagging download buttons from the map viewer.



EMODnet

European Marine
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EDITO - Infra Updates

Frederic Leclercq, VLIZ

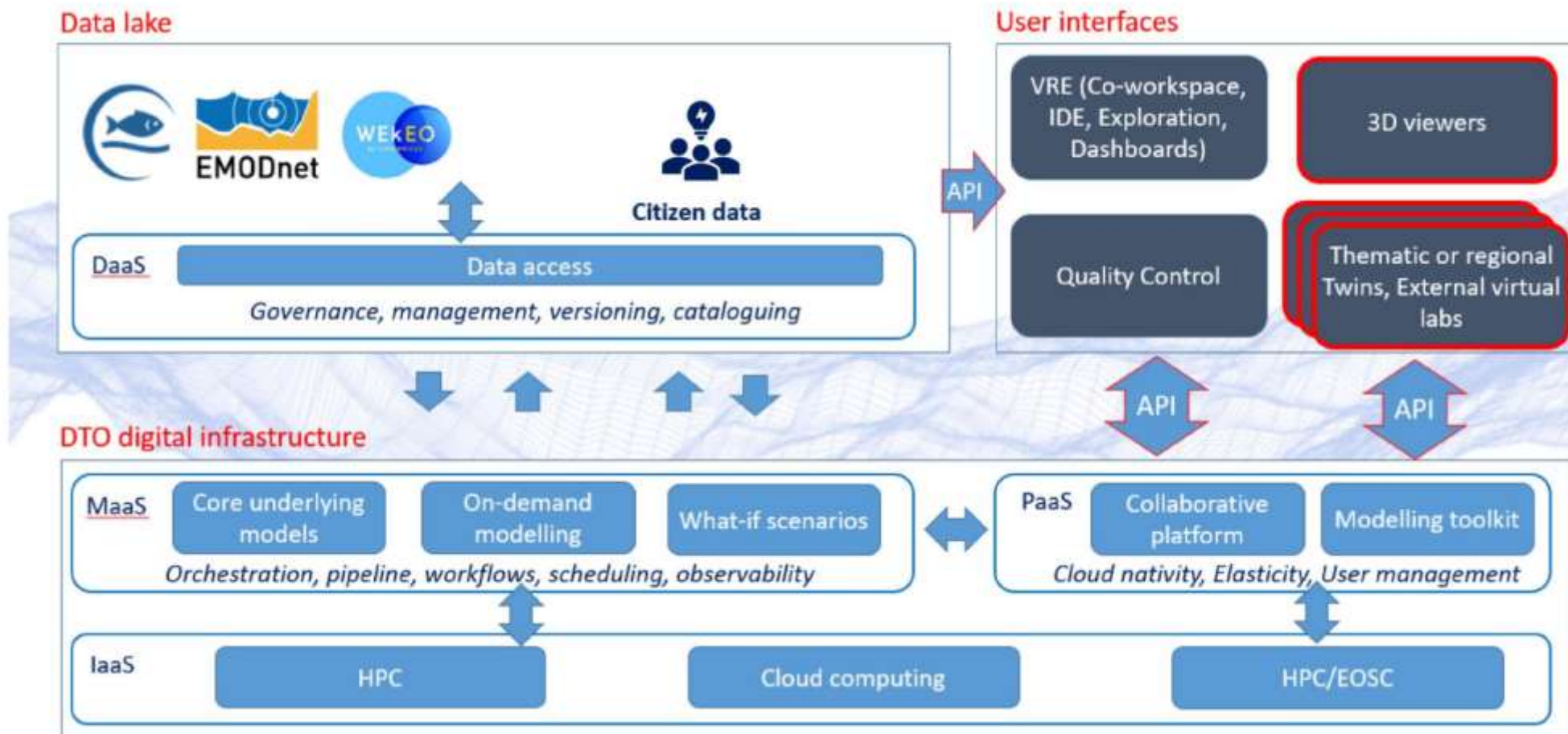
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EDITO

EDITO Infrastructure



EDITO – Datalake

status

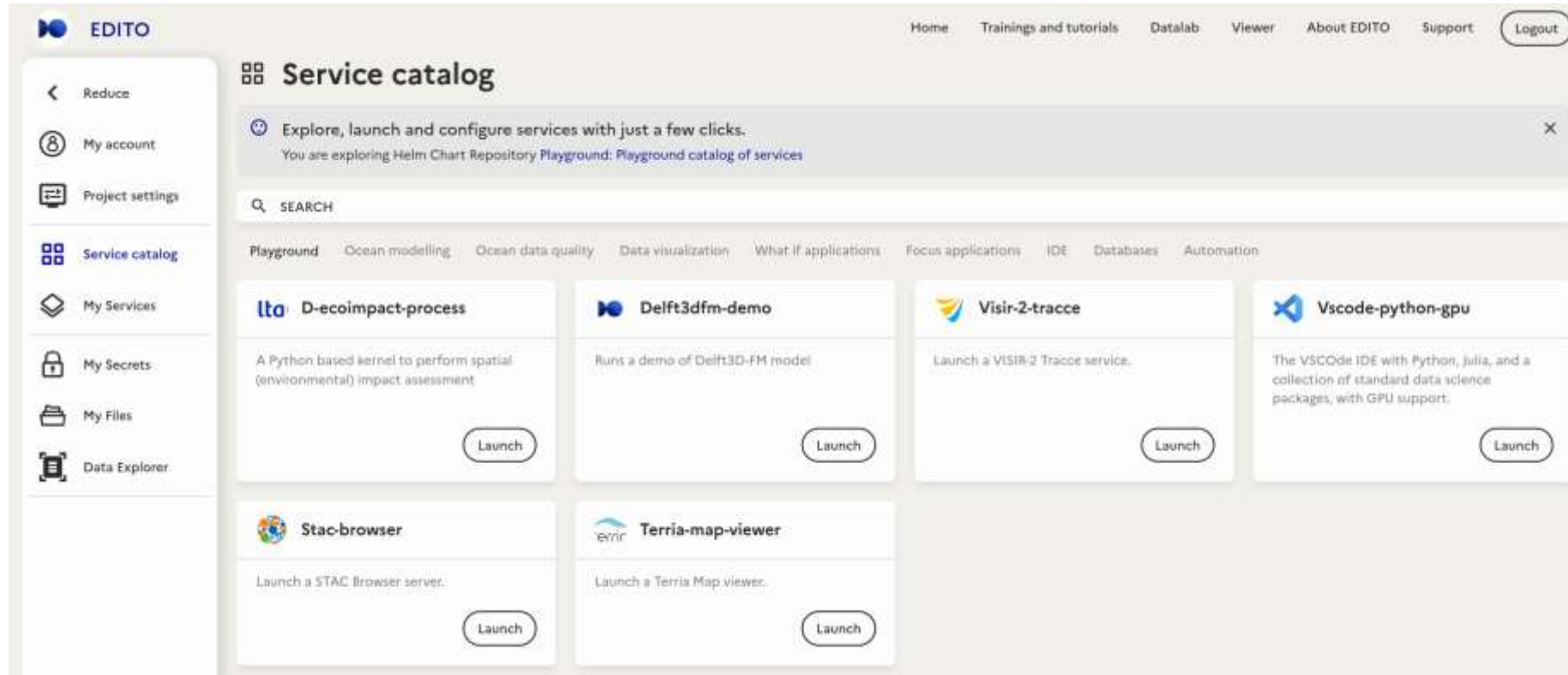


- Pipeline: Products in the EMODnet CP viewer -> EDITO DataLake
- All EMODnet products should exist in "*Native*" and *Analysis Ready and Cloud Optimised (ARCO)* format
- Lots: one on one meetings to align expectations (subcontracts – based on estimated workload)
- STAC catalogue

EDITO – User Interface

Status

- Platform: <https://datalab.dive.edito.eu/>



The screenshot displays the EDITO Service catalog interface. At the top, the EDITO logo is on the left, and navigation links for Home, Trainings and tutorials, Datalab, Viewer, About EDITO, Support, and Logout are on the right. A left sidebar contains navigation options: Reduce, My account, Project settings, Service catalog (selected), My Services, My Secrets, My Files, and Data Explorer. The main content area is titled "Service catalog" and includes a search bar and a horizontal menu with categories: Playground, Ocean modelling, Ocean data quality, Data visualization, What if applications, Focus applications, IDE, Databases, and Automation. Below this, six service cards are shown, each with a "Launch" button:

- D-ecoincact-process**: A Python based kernel to perform spatial (environmental) impact assessment.
- Delft3dfm-demo**: Runs a demo of Delft3D-FM model.
- Visir-2-tracce**: Launch a VISIR-2 Tracce service.
- Vscode-python-gpu**: The VSCode IDE with Python, Julia, and a collection of standard data science packages, with GPU support.
- Stac-browser**: Launch a STAC Browser server.
- Terria-map-viewer**: Launch a Terria Map viewer.

EDITO – Toolkit

status

- Catalogue with software, models, software modules
- Accessible from Python & R
- Open and collaborative (tutorials)
- HPC Ready (#nodes, pbs, modules)

EDITO – DOF 2024

Technical workshop – Digital Ocean Forum



- June 12, 13 : DOF 2024 – Brussel, Palais des Académies.
- Technical workshop projects Jun 12th
- High level demonstrator(s) on 13th.