



**EMODnet**

 European Marine  
Observation and  
Data Network


# Action list from 15<sup>th</sup> TWG

**Conor Dleaney**

**16<sup>th</sup> EMODnet Technical Working Group  
08<sup>th</sup> October 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.

Action	Description	Status	Who?	Remarks	JIRA
1	PDFs of all TWG presentations to be sent via email to the thematic lots.	Done	Conor Delaney		
2	With respect to MetaGIS ID for layers, Bart Vanhoorne indicates that it could be another possibility to do have links with UUID (easier for thematics), but convert it to MetaGIS ID's on the VLIZ side. The JIRA ticket on this will be updated.	Done	Bart Vanhoorne	See latest mapviewer	 <a href="#">EM-657</a>
3	All lots to review their services and products by the next TWG.	In Progress	All lots to be managed by the CP_team	Tracked via JIRA	EM-960
4	For future reference, the Secretariat and Chemistry to document the process of publishing eutrophic products.	To Do	Alessandra Giorgetti & Nathalie Tonné		EM-801?
5	Alessandra Giorgetti to add here review of the GeoNetwork interface to the existing Jira Ticket	Done	Alessandra Giorgetti		EM-533
6	Conor Delaney to follow up with George Spoelstra on converting the HR DTM to netCDF and implementing the download from ERDDAP and the viewer	Done	George Spoelstra and Conor Delaney	Download mechanism has yet been deployed.	EM-958
7	User guide to the EMODnet Portal. This is to be a collaborative effort involving the CP_team and the thematic lots.	To Do	Conor Delaney & Nathalie Tonné	More content has been added to the FAQ.	EM-959
8	Challenge of presenting attributes from complex datasets: Human Activities need more filters to the map viewer. They will create a Jira ticket	For Discussion	Nick Earwater	See task 9	
9	Challenge of presenting attributes from complex datasets: Joana Beja indicates that there are conflicting requests coming from the thematics. The CP_team will collate information on this issue so that an informed decision can be made.	On going	Joana Beja	No changes made, users need to select only one filter for the data to be displayed. This decision can be reviewed in the future if deemed necessary	



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# JIRA

**Tim Collart/Matteo Mikos**

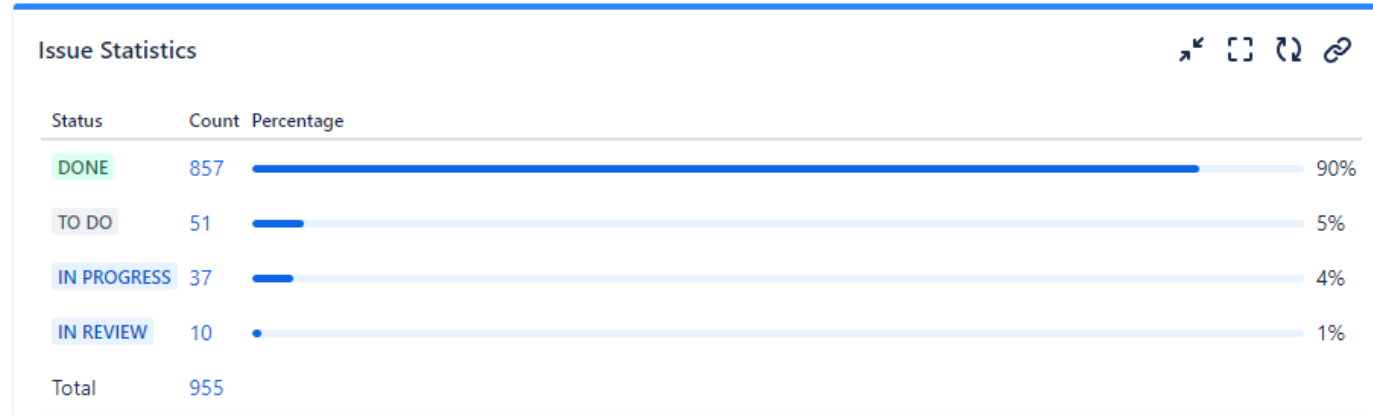
**16<sup>th</sup> EMODnet Technical Working Group  
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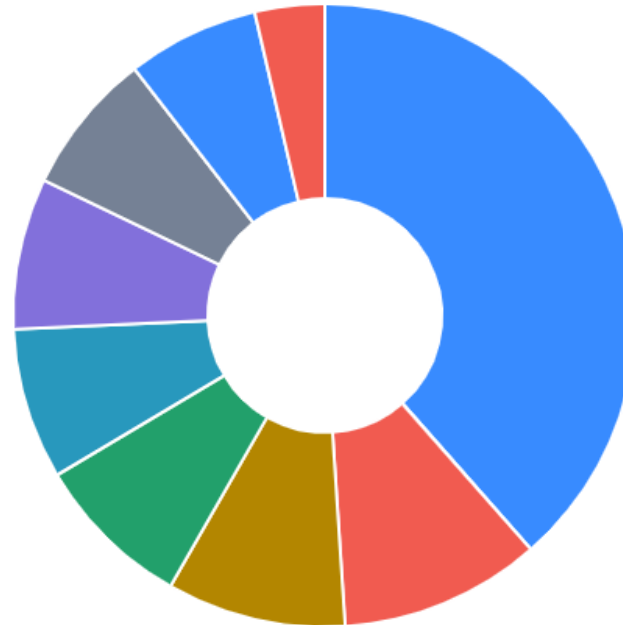
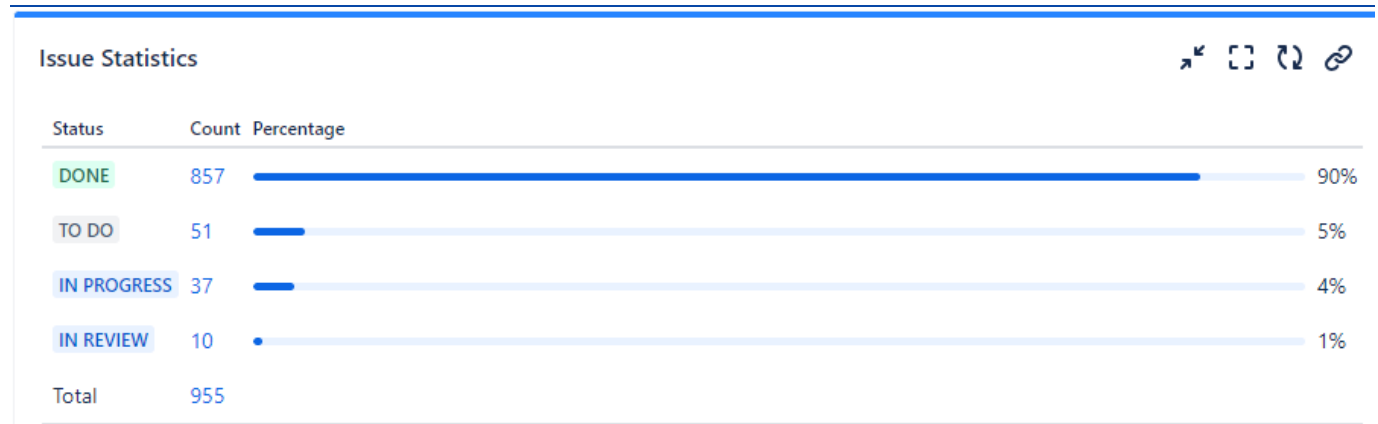
# JIRA overview and usage

- 955 EMODnet JIRA Tickets (+ 41 since TWG 15)
- 90% completed (vs. 85% at TWG15)



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- 44% of tickets concerning the central portal → Centralisation
- Even Spread of tickets across thematic portals except for Physics (12% of tickets) and Data Ingestion (4%)



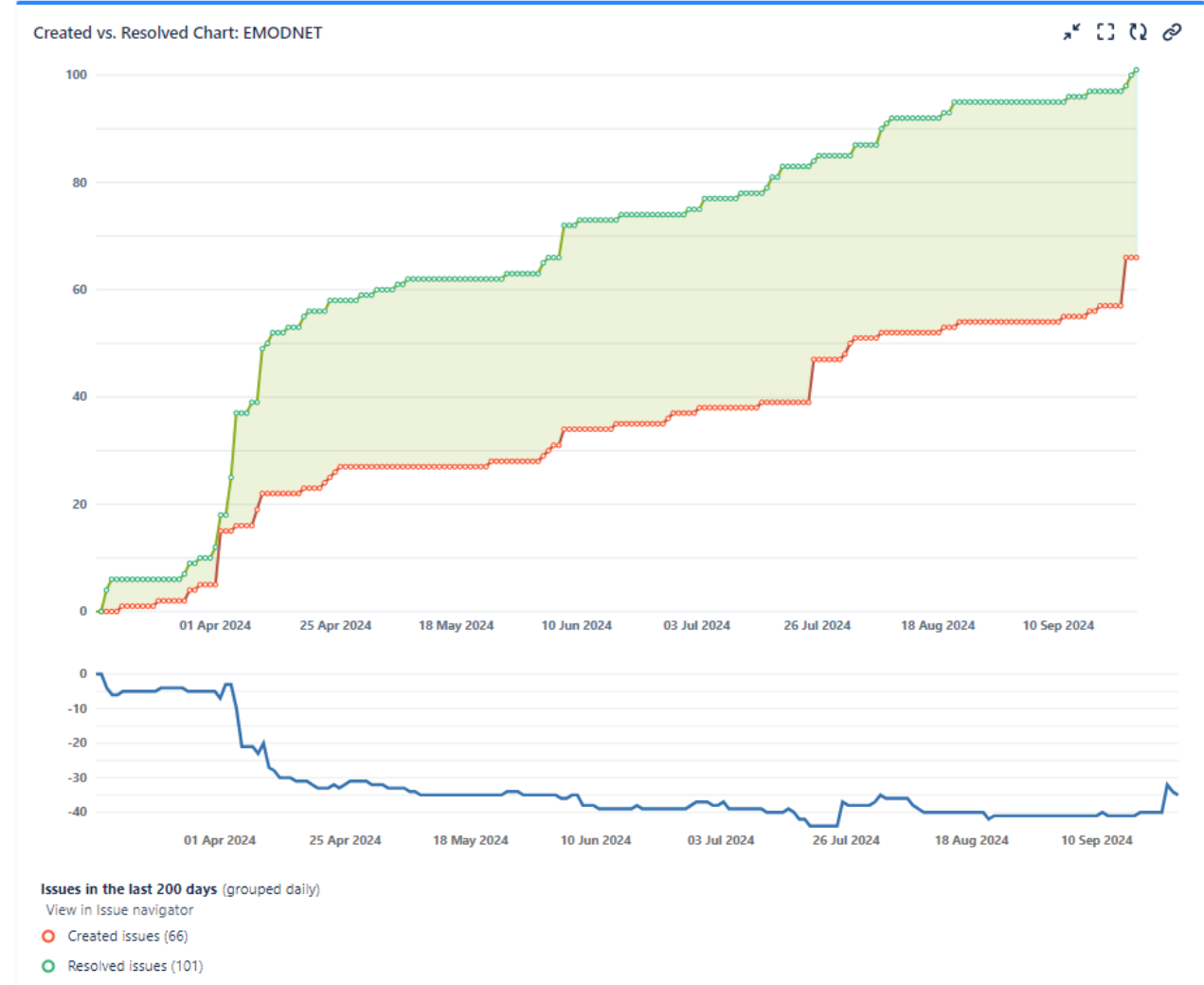
## Components

Total Issues: 955

Central Portal	427
Physics	116
Human Activities	103
Chemistry	91
Geology	87
Seabed Habitats	87
Bathymetry	82
Biology	76
Data Ingestion	40

# JIRA overview and usage

- 955 EMODnet JIRA Tickets (+ 41 since TWG 15)
- 90% completed (vs. 85% at TWG15)
- 44% of tickets concerning the central portal → Centralisation
- Even Spread of tickets across thematic portals except for Physics (12% of tickets) and Data Ingestion (4%)
- Evolution since TWG15:
  - Strong increases in number of tickets at the start of April 2024.
  - Number of unresolved tickets dropping slowly.
  - Many more tickets resolved than created! (101 vs 66).





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# OGC Service Monitoring & INSPIRE compliance (meta)data URL's & Quality of Service

**Tim Collart**

**16<sup>th</sup> EMODnet Technical Working Group  
8 Oktober 2024**



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# INSPIRE Metadata & data URL's in Service GetCapabilities

- Followed up in JIRA: <https://emodnet.atlassian.net/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
TWG15	5/5	2/7	7/9	14/14	3/3	1/3	6/6
TWG16	5/5	7/7	9/9	14/14	3/3	3/3	6/6



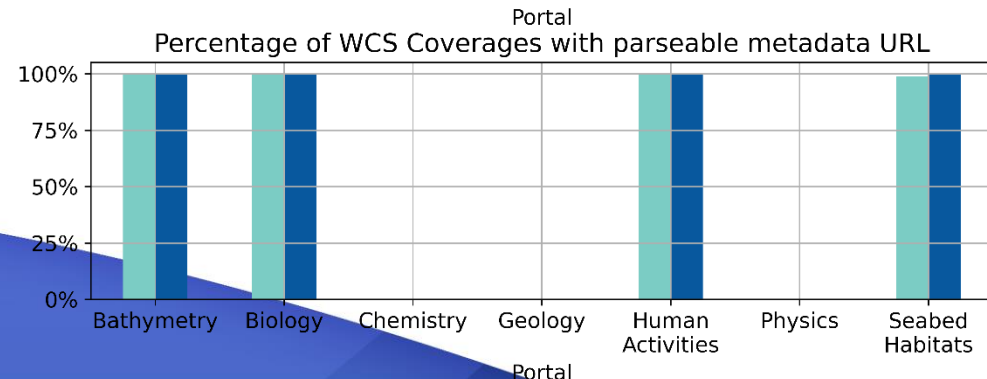
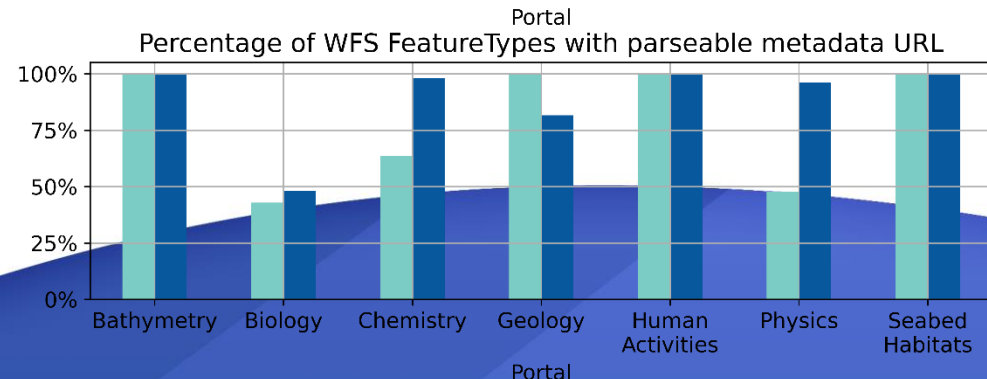
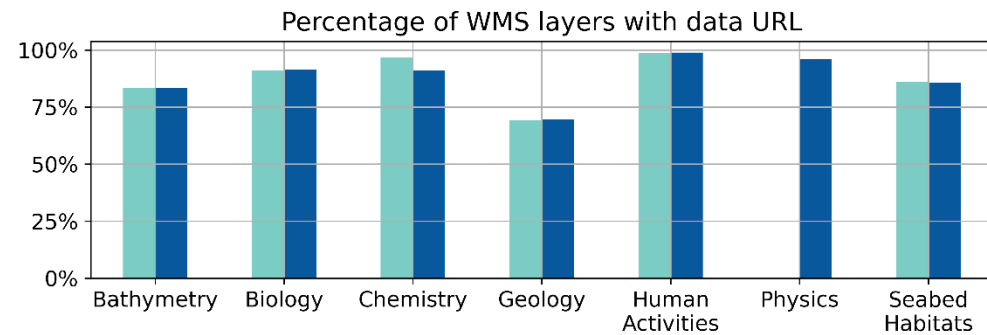
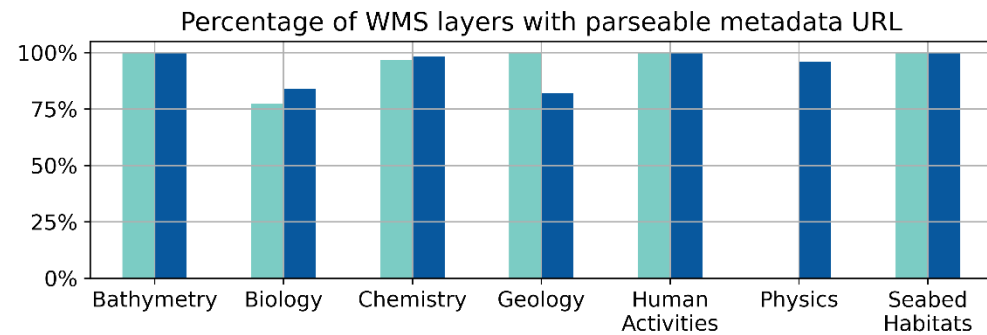


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TWG16	5/5	0/7	9/9	14/14	3/3	3/3	6/6

- Dataset metadata and data URL's

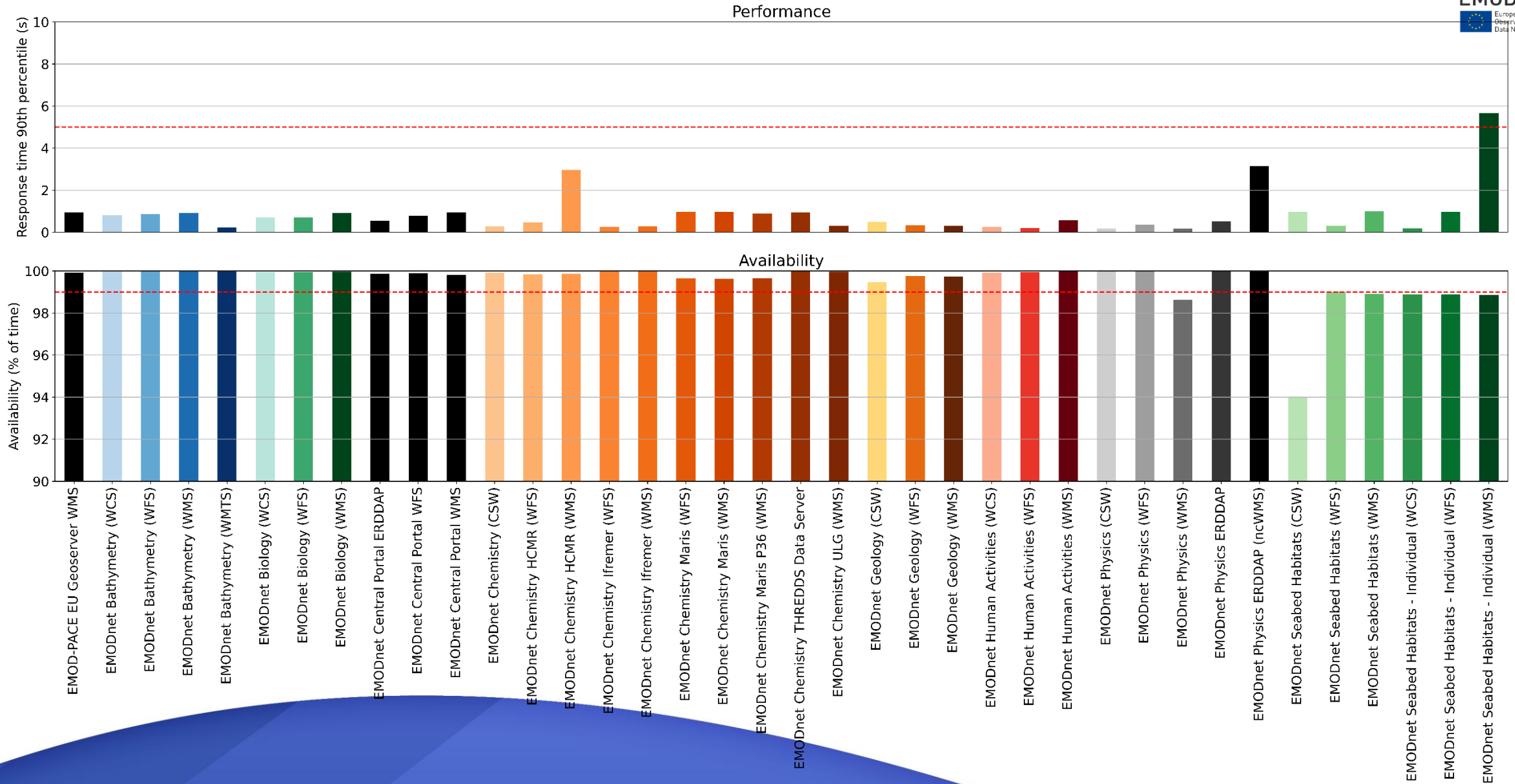


# INSPIRE Quality of Service Monitoring

- INSPIRE sets a number of Quality of Service requirements for web services. This includes requirement for:
  - Performance: Response time during normal operation (90<sup>th</sup> 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://emodnet.atlassian.net/browse/EM-140>

# INSPIRE Quality of Service Monitoring

QoS stats since TWG15





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# Map Viewer update

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

16<sup>th</sup> EMODnet Technical Working Group  
8th October 2024



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# MapView releases

- Since the start of the centralisation there has been 12 releases of the MapViewer the most recent v3.3.0:
  - Mapviewer v3.3.0 (8<sup>th</sup> October 2024)
  - Mapviewer v3.2.9 (Spring 2024 - rejected)
  - MapViewer v3.2.8 (20<sup>th</sup> 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 v3.2.9 (May 2024 – not accepted)

## Included in the WPS (May 2024 – v3.2.9):

- **Inclusion of CQL filter in layer animation.** Layer animation already possible with ViewParams and GetParams filters, the CQL option is pending implementation EM-901. CLOSED in the 7/06/2024
- **Catalogue window cut off (CP-30).** Layout bug to be fixed.-> Chemistry EM-841. CLOSED in the 7/06/2024
- **Download Issues for Out-of-Bounds Areas (CHEM-5).** (CHEM-5): In the case the user selects an area without data, the layer returns the error displayed in the viewer . EM-903. CLOSED in the 7/06/2024
- **Change projection widget: add Antarctic projection (EPSG:3031).**EM-900. CLOSED in the 7/06/2024 meeting
- **Improving Metadata and Download Accessibility (EM-623).**EM-623. CLOSED in the 7/06/2024 meeting
- **Physics animation server overload (PHY-8).** Number of calls from MapViewer to be tuned. EM-902. In this version, Bilbomatica implemented the solution as it was agreed in the ticket but it did not solve the problem. **Solution was not accepted** in the 7/06/2024 meeting and EMODnet CP\_Team provided new instructions.
- **Layer Identification via Metadata UUID (EM-657):** EM-657. Bilbomática modified the applications to be able to use the MetadataUUID as an identifier. Solution **was not accepted** in the 07/06/2024 meeting and EMODnet CP\_Team provided new instructions in the ticket.

# MapView v3.3.0 (8th October 2024)

- **Bug fix:**
  - **Default value in attribute filter is not taken through to the viewer.** CLOSED in the 7/06/2024 meeting
- **Included in the WPS (October 2024):**
  - **Layer animation: Physics animation sliding window:** EM-902 – In Review
  - **Investigate if the share map functionality in the viewer can use the metadata UUID to identify the layer (rather than the MetaGIS ID):** EM-657 In Review
- **Improvements:**
  - **Add projection names to the EPSG codes ( + Antarctic Projection Addition: (EM\_900)):** EM-974 - Done
  - **Change the behaviour of the filter "clear" button to "reset" (to default filter) and change the notification on applying an empty filter.** EM-975 - Done
- **Bugs:**
  - **EMODnet Map Viewer 'Share map link' redirecting to home url - API filter issue:** EM-977 - Done
  - **GetFeatureInfo resize window problem:** EM-973 – Done

# Managed Releases

## Bilbomatica Tasks



In 2024 we have 1 fully managed releases of MapView to implement outstanding feature requests, following feedback from the TWG

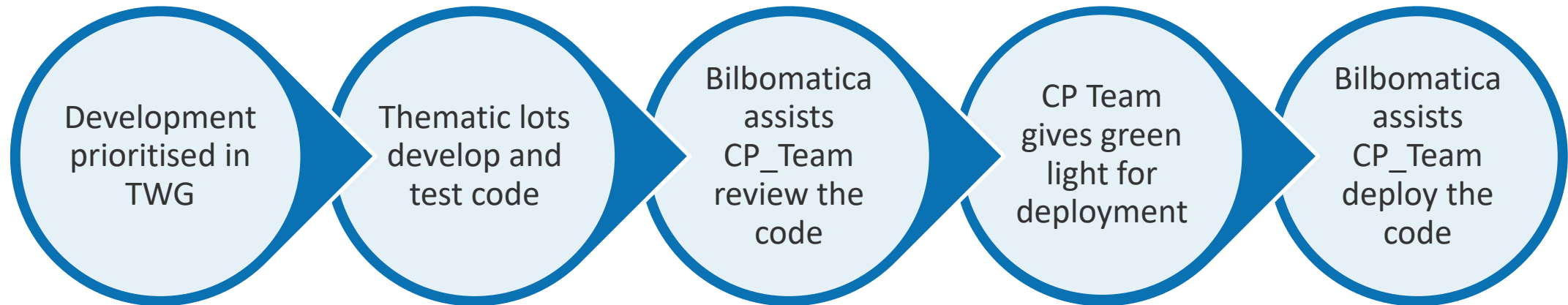
- **MapViewer v3.2.9** (Spring 2024): rejected
- **MapViewer v3.3.0** (Autumn 2024). Features requests and fixes to v3.2.9.
- **MapViewer v3.3.1** (2025). Last fully managed release before we move the community development model.



# 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)



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# Collection of metrics for reporting

**Nathalie Tonné & Conor Delaney, EMODnet Secretariat**

**16<sup>th</sup> EMODnet Technical Working Group**  
**8 October 2024**



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# CINEA/2024/OP/0006 - EMODnet 5 lots

## Tender Specifications regarding progress monitoring

- Full automation of performance indicators where possible (adequate justification when it is not possible). Thematics have responsibility to facilitate this process.
- Task 1:
  - Evaluation % of data made available restriction-free;
  - Identification data requiring suboptimal indirect discovery & accessing conditions
- Performance will be measured by usage and user satisfaction. Typical measures include, at least:
  1. monthly and annual visits and visitors;
  2. number of data, and data products downloaded;
  3. databases connected to system;
  4. optimisation of users' experience (including steps to access data, metadata and data products);
  5. data records in total and available for download without restriction of re-use;
  6. number of providers and other data sources, including EU research projects.
- EMODnet Secretariat in agreement with CA manages the list of the indicators and may refine/modify during the course of the contracts based on needs.



Ref. Ares(2024)3428206 - 13/05/2024



EUROPEAN CLIMATE, INFRASTRUCTURE AND ENVIRONMENT EXECUTIVE AGENCY (CINEA)  
CINEA D - Natural Resources, Climate, Sustainable Blue Economy and Clean Energy  
D.3 - Sustainable Blue Economy

### European Climate, Infrastructure and Environment Executive Agency (CINEA)

Call for tenders CINEA/2024/OP/0006

### European Marine Observation and Data Network (EMODnet) – 5 lots

**Lot 1 Bathymetry**

**Lot 2 Geology**

**Lot 3 Physics**

**Lot 4 Chemistry**

**Lot 5 Human Activities**

(CINEA/EMFAF/2022-23/3.5.2 & CINEA/EMFAF/2024-25/3.6)

Open procedure

**TENDER SPECIFICATIONS**



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# EDITO Update

**Frederic Leclercq, VLIZ**

**16<sup>th</sup> EMODnet Technical Working Group**  
**8 October 2024**



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# Overview EMODnet Data in EDITO Datalake

Available in STAC catalog / S3 bucket – MAY 2024



Lot	CP viewer	EDITO Datalake	Percentage	ARCO params
Bathymetry	21	12	57%	0
Biology	20	5	25%	0
Chemistry	295	257	87%	0
Geology	44	42	95%	0
Human Activities	117	117	100%	0
Physics	30	9	30%	0
Seabed Habitats	52	45	87%	0
<b>TOTAL</b>	<b>579</b>	<b>487</b>	<b>84%</b>	<b>0</b>

# Overview EMODnet Data in EDITO Datalake

Available in STAC catalog / S3 bucket – OCT 2024



Lot	CP viewer	EDITO Datalake	Percentage	ARCO params
Bathymetry	21 (21)	14	67% (+10)	1
Biology	21 (15)	15	100% (+75)	0
Chemistry	301 (296)	283	95% (+8)	20
Geology	44 (43)	41	95% (=)	10
Human Activities	134 (134)	134	100% (=)	12
Physics	25 (25)	10	40% (+10)	1
Seabed Habitats	54 (50)	44	88% (+1)	4
<b>Total</b>	<b>584</b>	<b>541</b>	<b>93% (+7)</b>	<b>48</b>

# Overview EMODnet Data in EDITO Datalake

## STAC catalog



STAC:

<https://s3.waw3-1.cloudferro.com/emodnet/stac/catalog.json>

*Browse:*

<https://radianteearth.github.io/stac-browser/#/external/s3.waw3-1.cloudferro.com/emodnet/stac/catalog.json?.language=en>



## **Extension: 31/12/2024 (or later)**

Input of ideas for EDITO II is really short, within October 2024

# EDITO 2 : 2025 – 2029 – March 2025(?) - 3.5 yrs

## EMODnet contribution/input



### Proposal:

- limited to MOi/VLIZ & SSBE
- Should be ready by 31/10/2024(!)
- Input possible from lots if provided before that date (21/10?)

### Contribution per lot:

- Input on tech / content via "advisory board" (TBC)
- Budget per lot considerably larger (TBC)



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