

Reporting MSFD Articles 8, 9 and 10 using Reportnet 3

Insights on how to update spatial data (Article 4 - Marine Reporting Units)



Webinar on "Reporting MSFD Articles 8, 9 and 10 using Reportnet 3"
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Marine Strategy Framework Directive reporting resources

Files, templates, guidance documents and useful hyperlinks supporting the reporting on the 2024 update of Articles 4, 8, 9 and 10 are available from **EIONET CDR webpages** dedicated to [MSFD reporting](https://cdr.eionet.europa.eu/help/msfd/):

Support files to update reporting of the Article 4:

<https://cdr.eionet.europa.eu/help/msfd/MSFD%20Art4>

Support files to update reporting of the Articles 8, 9 and 10:

<https://cdr.eionet.europa.eu/help/msfd/MSFD%202024>

The screenshot shows the EIONET Central Data Repository webpage for MSFD reporting resources for Article 4. The page is titled "Marine Strategy Framework Directive reporting resources" and includes a navigation menu, account services, and several sections: "Guidance documents", "Schemas", "Reporting tools", "Reportnet 3", and "Marine Reporting Units overlap with regional assessment areas (OSPAR, HELCOM)". A "Page updated on March 25th 2024" banner is visible at the top. The "Guidance documents" section lists a link for "How to upload MRUs in Reportnet 3". The "Schemas" section includes a link for "Art4_MRUs.png". The "Reporting tools" section includes a link for "Reportnet 3 reporter guidance". The "Reportnet 3" section provides information about the platform and a link for "Reportnet 3 reporter guidance". The "Marine Reporting Units overlap with regional assessment areas (OSPAR, HELCOM)" section provides information about the process of modelling MRUs and a link for "link in Geopackage format".

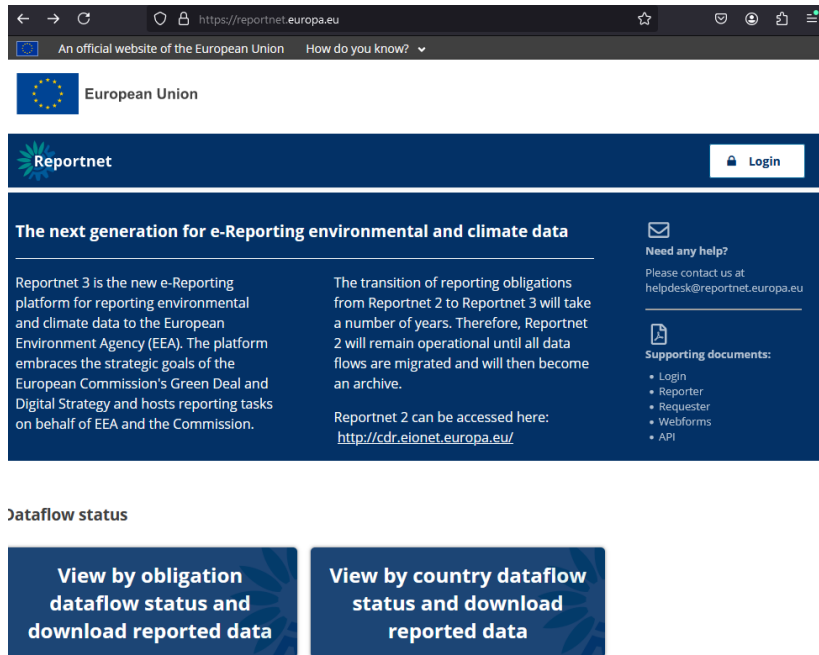
The screenshot shows the EIONET Central Data Repository webpage for MSFD reporting resources for Articles 8, 9 and 10. The page is titled "Marine Strategy Framework Directive reporting resources" and includes a navigation menu, account services, and several sections: "Guidance documents", "Schemas", "Reporting tools", "Reportnet 3", and "Marine Reporting Units overlap with regional assessment areas (OSPAR, HELCOM)". A "Page updated on March 25th 2024" banner is visible at the top. The "Guidance documents" section lists a link for "How to upload MRUs in Reportnet 3". The "Schemas" section includes a link for "Art4_MRUs.png". The "Reporting tools" section includes a link for "Reportnet 3 reporter guidance". The "Reportnet 3" section provides information about the platform and a link for "Reportnet 3 reporter guidance". The "Marine Reporting Units overlap with regional assessment areas (OSPAR, HELCOM)" section provides information about the process of modelling MRUs and a link for "link in Geopackage format".



How to login to Reportnet 3?

What is Reportnet 3?

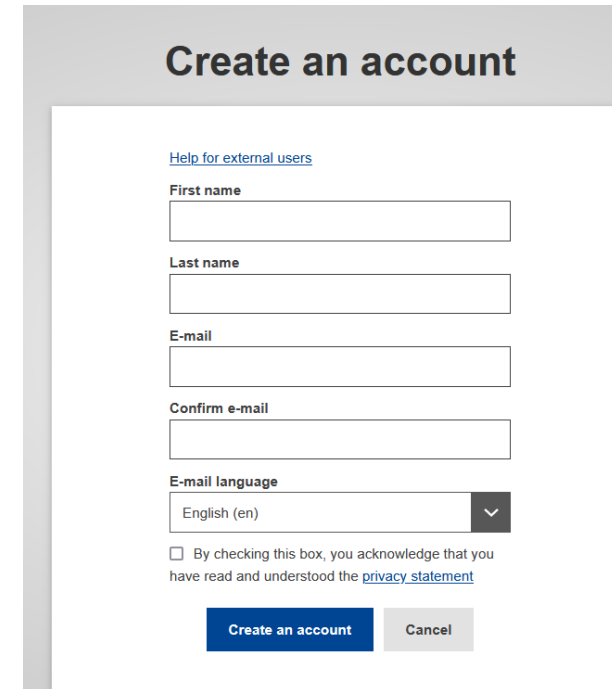
Reportnet 3 is the new e-Reporting platform for reporting environmental and climate data to the EEA.



The screenshot shows the Reportnet 3 website homepage. At the top, there is a navigation bar with the Reportnet logo and a 'Login' button. Below this, a main header section contains the text: 'The next generation for e-Reporting environmental and climate data'. To the right of this text is a 'Need any help?' section with contact information and a list of 'Supporting documents' including 'Login', 'Reporter', 'Requester', 'Webforms', and 'API'. Below the main header, there is a 'Dataflow status' section with two buttons: 'View by obligation dataflow status and download reported data' and 'View by country dataflow status and download reported data'.

How to login to Reportnet 3?

To access Reportnet 3 you will need an **EU login account**. You will not be able to log in with EIONET account!! EU login account can be created through following [hyperlink](#). (see also [videoguide](#))



The screenshot shows the 'Create an account' form. It includes a 'Help for external users' link, input fields for 'First name', 'Last name', 'E-mail', and 'Confirm e-mail', and a dropdown menu for 'E-mail language' set to 'English (en)'. There is a checkbox for acknowledging the 'privacy statement' and two buttons at the bottom: 'Create an account' and 'Cancel'.



Marine Strategy Framework Directive reporting resources

When you login to [Reportnet 3](#) using an **EU login account**, you should see all open dataflows on which you have been granted reporting permissions.

If you do not have permissions, please contact msfd.helpdesk@eionet.europa.eu

Reportnet 3 > Dataflows Luka Snaj

Name	Description	Legal instrument	Obligation	Obligation id
Role	Status	Pinned	Delivery date range	Filter Reset

Total: 9 dataflows

Role: LEAD REPORTER Delivery date: 2024-10-15

MSFD Article 4 - Marine Reporting Units (Spatial data)
Marine Strategy Framework Directive (MSFD), data request for article 4

Legal instrument: **Marine Strategy Framework Directive**
Obligation: **MSFD - Article 4 - Spatial data**

Delivery status: **MULTIPLE**
Dataflow status: **OPEN**

Role: LEAD REPORTER Delivery date: 2024-10-15

MSFD Articles 8, 9 and 10 - Text reports - Reporting year 2024
Supporting documents and Text reports for Marine Strategy Frameworks Directive (MSFD), data request for articles 8, 9 and 10

Legal instrument: **Marine Strategy Framework Directive**
Obligation: **MSFD - Articles 8, 9 and 10 - Text reports**

Delivery status: **MULTIPLE**
Dataflow status: **OPEN**

Role: LEAD REPORTER Delivery date: 2024-10-15

MSFD Articles 8, 9 and 10 - Data - Reporting year 2024
This reporting obligation has been created for technical reasons. It identifies the deliveries of national data sets under the MSFD reporting on Articles 8 (assessment), 9 (determination of GES) and 10 (establishment of environmental targets).

Legal instrument: **Marine Strategy Framework Directive**
Obligation: **MSFD - Articles 8, 9 and 10 - Data**

Delivery status: **MULTIPLE**
Dataflow status: **OPEN**



How to prepare the MRU spatial dataset for submission?

Diagram of the MRU reporting schema



* Data should be provided into *Description* table only for records without geometry.

Reportnet 3

The screenshot shows the Reportnet 3 interface for the 'Dataflow - Austria' dataset. The breadcrumb navigation is: Reportnet 3 > Dataflows > Dataflow > Austria. The dataset is identified as 'MSFD Article 4 - Marine Reporting Units (Spatial data)'. A dataflow diagram shows three components: 'Dataflow help', 'ART4_GEO' (highlighted with a red box), and 'Release to data collection'. Below this, the 'ART4_GEO Pending' dataset is shown, with options to 'Import dataset data', 'Export dataset data', and 'Delete dataset data'. The 'GeographicalBoundaries' table is displayed with columns for 'Actions', 'Validations', and 'ContactName'. The table has a 'Rows per page' dropdown set to 10.







How to prepare the MRU spatial dataset for submission?

MSFD Article 4 - Marine Reporting Units (Spatial data) – [Dataflow help](#)

Dataflow help

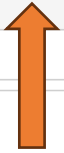
MSFD Article 4 - Marine Reporting Units (Spatial data)

Supporting documents | Web links | Dataset schemas 

Title	Description	Category	Language	Public	Upload date	Size	File
MSFD_Article4_How_to_upload_MRUs_to_R3.pdf	How to upload MRUs to Article 4 dataflow in Reportnet 3	pdf	English	✓	2024-04-03	235.26 KB	
Article 4 dataflow - MRU data schema explanation fields_27-06-2024.pdf	MRU data schema explanation fields	pdf	English	✓	2024-06-27	242.86 KB	
MSFD_4GEO.gpkg	MSFD_4GEO geopackage template	gpkg	English	✓	2023-09-17	96.00 KB	



MRU MSFD
geopackage template



MRU data schema
explanation fields



How to upload MRU spatial
data to Reportnet 3



How to prepare the MRU spatial dataset?

Follow the reporting provisions outlined in the [Article 4 dataflow – MRU schema explanation fields](#)

MarineReportingUnitId	MarineReportingUnitIdOld	MarineReportingUnitName	RegionSubRegion	localId	namespace	versionId	thematicId
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Unique EU code for the marine reporting area.

To be constructed as follows:

Region/subregion code-MS ISO code-AreaTypecode-Sequential number or alphanumeric

E.g.: ANS-NL-AA-001; MWE-ES-SD-Alboran

Note – AreaTypecode (two-character code) select one from following: RG (Region); SR (Subregion); MS (MS part of a Region or Subregion); SD (Subdivision); AA (Assessment Area).

For country code use ISO 3166-1 alpha-2 country code, except for Greece ('EL').

Each MRU must sit within a region/subregion and not extend beyond its boundary.

Each MRU must:

- either equate to the Member State marine waters' part of a marine region/subregion or sit within the borders of the Member State's marine waters
- not extend beyond the border of the marine waters or the boundary of the marine region/subregion

	Region or Subregion code	Hyphen	MS code	Hyphen	Area type code	Hyphen	MS-defined identifier
Options	Three-character code ¹¹ : Baltic: BAL Atlantic: ANS, ACS, ABI, AMA Mediterranean: MWE, MAD, MIC, MAL Black: BLK	-	Two-character ISO code	-	Two-character code: RG (Region) SR (Subregion) MS (MS part of a Region or Subregion) SD (Subdivision) AA (Assessment Area)	-	An alphanumeric label up to 32 characters. Use only letters (capital or small) from the Latin alphabet, underscore, point, comma or dash. No spaces or special characters (e.g. &, %, è, ã).
Example	ANS	-	NL	-	AA	-	001
Example	MWE	-	ES	-	SD	-	Alboran

*For country code use ISO 3166-1 alpha-2 country code, except for Greece ('EL')



How to prepare the MRU spatial dataset?

MarineReportingUnitId	MarineReportingUnitIdOld	MarineReportingUnitName	RegionSubRegion	localId	namespace	versionId	thematicId
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Enter the old (2018) MRU code(s) corresponding to the single 2024 code given in field 'MarineReportingUnitId'.
The code must be valid code reported under 2nd (2018) MSFD reporting cycle.



How to prepare the MRU spatial dataset?

MarineReportingUnitId	MarineReportingUnitIdOld	MarineReportingUnitName	RegionSubRegion	localId	namespace	versionId	thematicId
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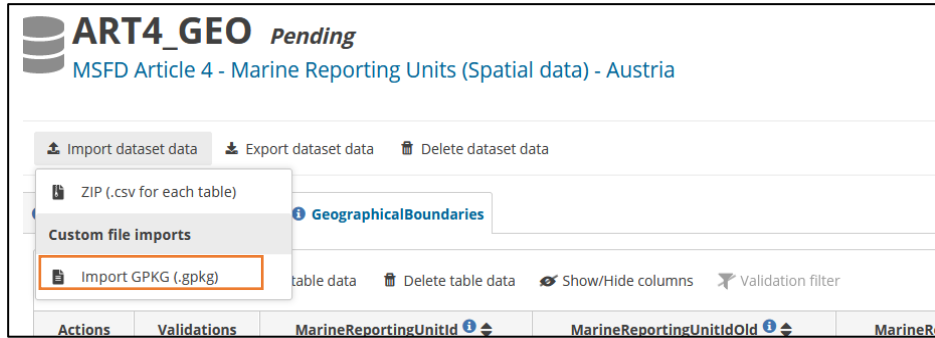


Name of the Marine Reporting Unit
(up to 1000 characters)



How to prepare the MRU spatial dataset?

Upload data to Reportnet 3 – Geographical boundaries



Upload



Validate



Validate Show validations QC rules Dashboards Manage copies Refresh

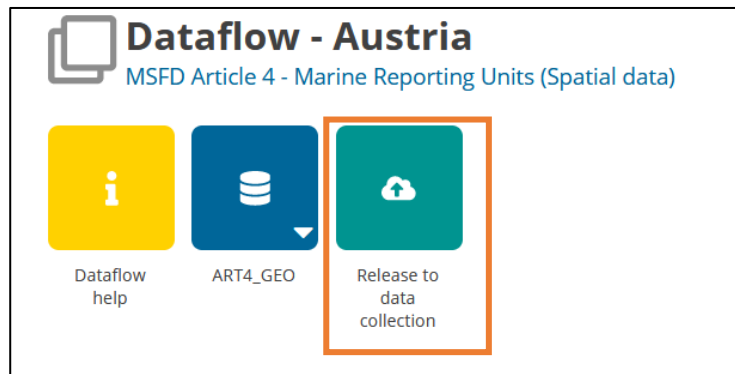
Filter by value

RegionSubRegion	MarineReportingUnitGeometry	localId	namespace
D	4573021.1200812,2673013.7836491,4571492.3...	adr_at_11	
D	4583110.8078149,2705423.083642,4577913.08...	adr_at_12	AT
D	4483742.6710441,2661395.3553497,4491080.6...		

Total: 3 records

Paste records

Release



Correction requested

2nd level QC



Technically accepted



2nd level quality check

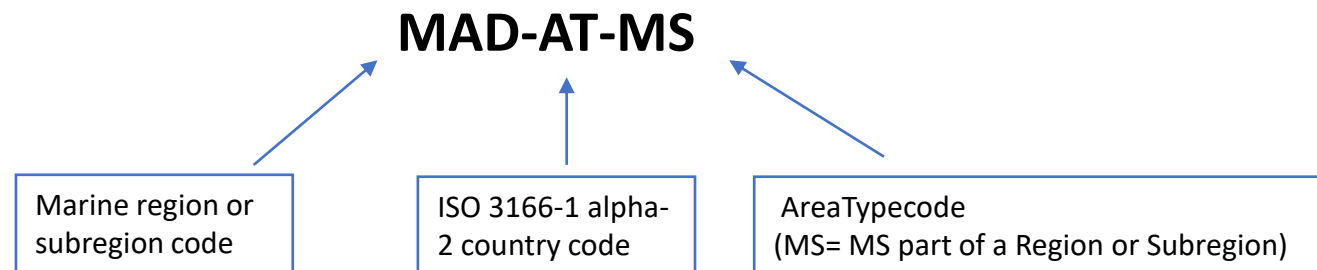
Attributive quality check:

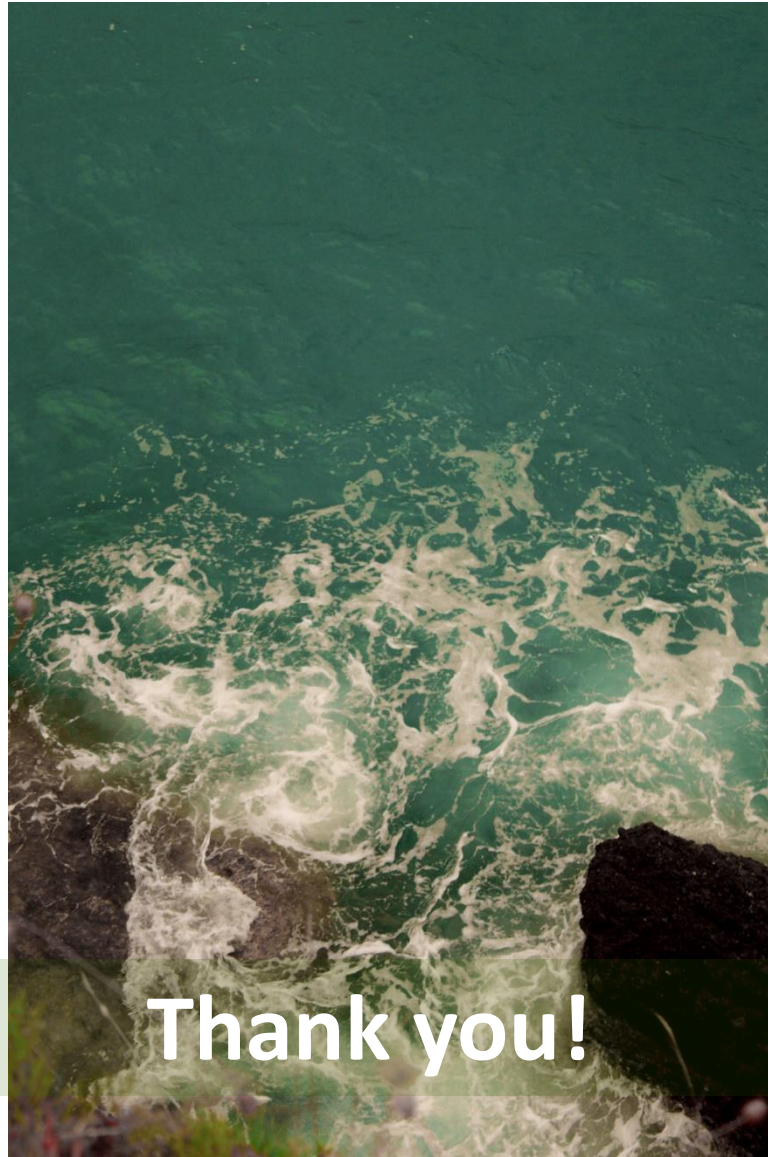
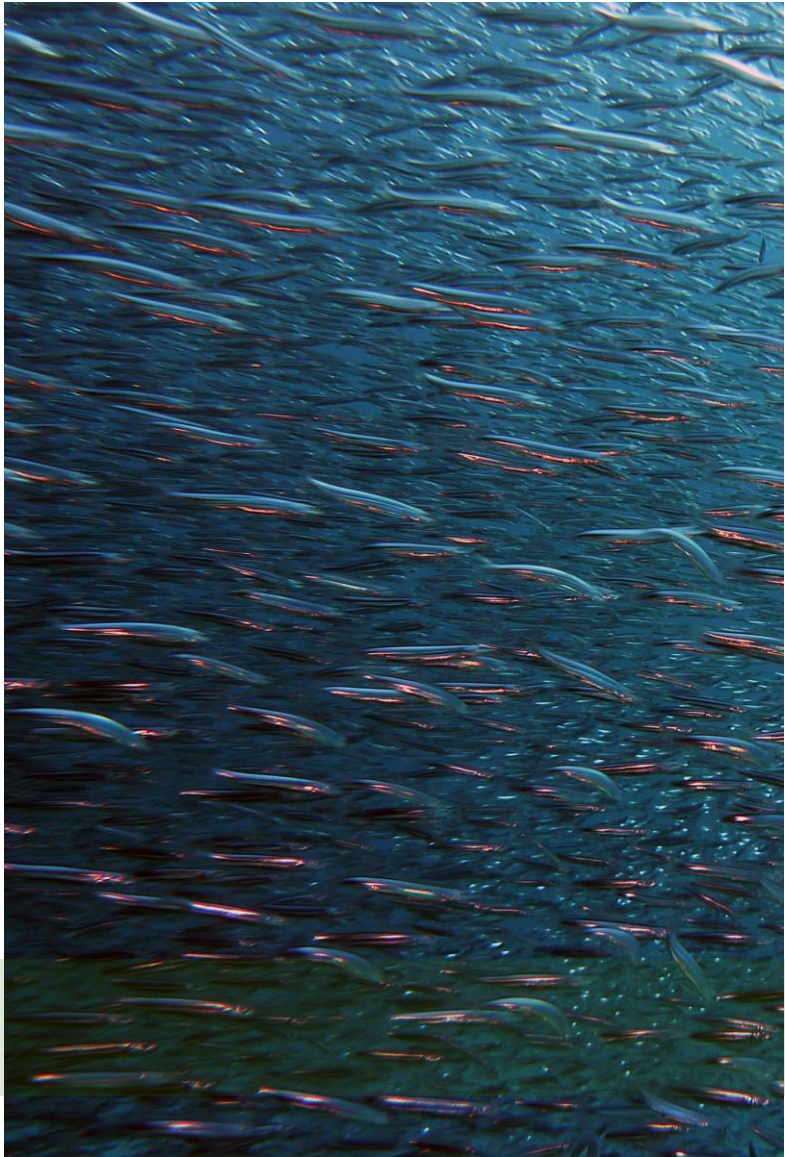
- Duplicates must not be present in *MarineReportingUnitId*.
- *MarineReportingUnitId* **must not be** missing or empty.
- *MarineReportingUnitId* **does not** follow the required syntax.
- The reported *RegionSubRegion* **must not be missing or empty**.
- Reported *RegionSubRegion* is **not** one of the following: ABI, AMA, ANS, BAL, BLK, MAD, MIC, MWE, ACS, or MAL
- Reported *MarineReportingUnitIdOld* is not a valid identifier reported for MSFD 2nd reporting cycle.

Spatial quality check:

- MRUs must **not extend beyond the boundary** of the Member State's marine waters.
- MRUs boundaries **must be harmonised** with the boundaries of [MSFD regions and subregions](#).
- Marine Waters have to be reported as separate data entries within the same geopackage:
 - single data entry: for countries with waters in only one MSFD regions or subregion;
 - several data entries: for countries with marine waters in more than one MSFD region or subregion.

MarineReportingUnitId representing marine waters should be designated as:





Thank you!

