

28 June 2021

2021 datacall for WISE-SoE and Watch List¹

To: [Eionet PCPs and NRCs for Water emissions](#)
To: [Eionet PCPs and NRCs Water quantity](#)
To: [Eionet PCPs and NRCs for Water quality and ecological status](#)
To: [Eionet PCPs and NRCs for Marine, coastal and maritime](#)

cc: [WISE SoE - Emissions \(WISE-1\) Reporters](#)
cc: [WISE SoE – Biology data \(WISE-2\) Reporters](#)
cc: [WISE SoE - Water Quantity \(WISE-3\) Reporters](#)
cc: [WISE - Spatial Data \(WISE-5\) Reporters](#)
cc: [WISE SoE – Water Quality \(WISE-6\) Reporters](#)

Cc: [Eionet National Focal Points](#)

From:

Stéphane Isoard
Head of Group - Water and Marine
European Environment Agency

Subject:

2021 WISE-SoE (Water Information for Europe – State of the Environment) and Watch list¹ data call

Dear Colleague,

This is to announce the 2021 data call for WISE-SoE and the Environmental Quality Standards Directive watch list¹ which reports via WISE-6. Data are requested for:

- Emissions to water (WISE-1)
- Biology data (WISE-2)
- Water quantity (WISE-3)
- Spatial data (WISE-5)
- Water quality (WISE-6)

¹ Watchlist for emerging pollutants under the 2008 Environmental Quality Standards Directive

The call for spatial data (WISE-5) is open from now until October 31st 2021.

The call for the other WISE dataflows will run from Tuesday 12th October 2021 until Friday 14th January 2022.

We will once again this year run webinars to discuss the reporting, reflect on lessons learned from past data reporting exercises, show how the data are used in EEA’s products and demonstrate visualisation tools that have been developed. Member countries are welcome to contact the EEA with ideas and contributions for the webinars.

Thank you for your reporting in previous years. Some of the products based on the data reported are listed in Annex A.

Fig. 1 Outline of the WISE-SoE dataflows in 2021

WISE-1	WISE-2	WISE-3	WISE-5	WISE-6
<ul style="list-style-type: none"> •Reporting of Riverine input loads is resumed in 2021 •Minor amendment to definition of emissions from UWWTP below 2000 p.e. 	<ul style="list-style-type: none"> •Reporting of biology data from rivers, lakes, transitional and coastal waters is resumed in 2021 	<ul style="list-style-type: none"> •No change in 2021 	<ul style="list-style-type: none"> •WISE-5 now follows the WFD2022 data model 	<ul style="list-style-type: none"> •No change in 2021

WISE-5 Spatial data call

New monitoring sites or changes to existing EIONET monitoring sites must be reported before the reporting of the time series data (WISE-1, WISE-2, WISE-3, WISE-6) using the WISE-5 data flow. The current reference set of monitoring sites is updated with all monitoring sites reported in previous WISE data calls and WFD data calls, including additional monitoring sites reported via the WFD EQS 2018 reporting, so for most countries there should be limited need to report spatial data this year.

The WISE-SoE - Spatial Data (WISE-5) data flow includes the spatial reference datasets following the same data models used in the WFD – RBMPs - 2022 spatial data reporting. Data Providers not reporting under the WFD are expected to report information under WISE-5. Data Providers reporting under the WFD (Member States, Norway and Iceland) may also



exceptionally use WISE-5 to provide information on EIONET spatial objects not covered by the WFD reporting.

With regard to WISE-5, please upload full datasets: it is not possible to deliver partial or incomplete datasets. Reporting of spatial data is needed well in advance of the delivery of tabular data, to avoid problems with automated quality control procedures, which check for the existence of site and water body identifiers. **This is the rationale for having the call for spatial data (WISE-5) open from now until October 31st 2021.**

WISE-1, WISE-2, WISE-3 and WISE-6 datacall

WISE-1 – This year, we will open the table for riverine input loads.

Following points raised in the WISE-1 meeting last year and subsequent discussion, there is a content modification to the definition emissions from UWWTPs below 2000 p.e.. The table for direct discharges to the sea will not be open in 2021.

More details will be discussed in the WISE-1 webinar, planned for **afternoon of 5th October**.

WISE-2 - This year, we will resume collecting data on biological elements for rivers, lakes, transitional and coastal waters under the WISE-2. Data are requested as ecological quality ratios (EQR values) for specified biological quality elements, together with relevant information on the national systems for ecological status classification. Data on the following quality elements are requested (for freshwater, the impact type is also specified):

- phytoplankton in river (impact: eutrophication)
- macroinvertebrates in rivers (impact: general degradation or acidification)
- phytoplankton in lakes (impact: eutrophication)
- macrophytes in lakes (impact: eutrophication)
- phytoplankton in transitional and coastal waters
- macroalgae in transitional and coastal waters
- angiosperms in transitional and coastal waters
- invertebrates in transitional and coastal waters
- fish in rivers, lakes and transitional waters

The WISE-2 data model has been updated. More information on changes will be described in the WISE-2 CDR Help [page](#), available before the webinar.

Data were not requested for WISE-2 in 2020, although some countries did report. Owing to the change in data model, we therefore kindly ask those countries to re-submit data reported in 2020.



A webinar for information on WISE-2 reporting will be organised on 12th October 2021. Further information will be circulated nearer the time.

A webinar for WISE-3 will be organised for the **morning of Monday 28th September**.

There are no changes to the WISE-6 dataflow this year. We have updated the list of substances and matrices to reflect country requests, including clarification on when limits of quantification (LoQ) are required. These are detailed in the [WISE-6 QC Reference](#) document.

We will be discussing the WISE-6 dataflow during a webinar in September/October 2021. Further information will be circulated nearer the time.

Reporting process

A number of different data reporting exercises have their legal deadlines at the end of December 2021, so to improve the stability and availability of the Reportnet systems, **we ask you to report data as early as possible from now (for WISE-5) to end of October 2021**. If necessary, EEA may request that the WISE-SoE deliveries be interrupted or significantly reduced during December. The final feedback on any released envelope will be provided during the reporting period.

Please use the [Reporting Obligations Database \(ROD\)](#) to locate the relevant information about:

- [WISE SoE - Emissions \(WISE-1\)](#)
- [WISE SoE - Biology data \(WISE-2\)](#)
- [WISE SoE - Water Quantity \(WISE-3\)](#)
- [WISE - Spatial Data \(WISE-5\)](#)
- [WISE SoE - Water Quality \(WISE-6\)](#)

Note that the EEA, in accordance with its data policy, publishes all data reported by countries, aggregated and disaggregated.

Please contact your EIONET NFP if you require reporting permissions on a given dataflow, so that your user name is added to the authorised reporter list.

- [WISE SoE - Emissions \(WISE-1\) Reporters](#)
- [WISE SoE - Biology \(WISE-2\) Reporters](#)
- [WISE SoE - Water Quantity \(WISE-3\) Reporters](#)
- [WISE SoE - Spatial data \(WISE-5\) Reporters](#)
- [WISE SoE – Water Quality \(WISE-6\) Reporters](#)

Guidance documents and format conversion tools are available in the following CDR help pages:

- [WISE SoE - Emissions \(WISE-1\)](#)
- [WISE SOE - Biology \(WISE-2\)](#)
- [WISE SoE - Water Quantity \(WISE-3\)](#)
- [WISE - Spatial Data \(WISE-5\)](#)
- [WISE SoE - Water Quality \(WISE-6\)](#)

Always download the latest data templates from the Data Dictionary.

Over the last year, EEA has updated the reported spatial data and worked on ensuring consistency between the spatial objects reported in relation to [WISE - Spatial Data \(WISE-5\)](#) and the [Water Framework Directive - River Basin Management Plans - 2016 Spatial data](#) reporting. For the 2021 data call, we have updated the dashboard providing an overview of the spatial data reported by countries. The dashboard is available via this link [WISE 5 2021 DataCall](#). For the data call, the country pre-filled files are already in the [WISE restricted access area](#). There is also a document explaining [How to use the EIONET prefilled shapefiles to report under WISE-5](#).

Data files should be uploaded to the [Central Data Repository \(CDR\)](#).

The following file formats are accepted:

- Microsoft EXCEL files (**XLS or XLSX**) - Accepted in WISE-1, WISE-2, WISE-3, and WISE-6. Always use the conversion tool to export large spreadsheet files to XML. Please read the reporting guidance document for further information.
- **XML** files - XML files can be uploaded directly to the CDR envelopes. This includes INSPIRE compliant metadata files delivered under WISE-5.
- **Shapefiles** (WISE-5 only) - It is now possible to upload and convert shapefiles directly to CDR envelopes.
- **GML** files (WISE-5 only) - GML files can be uploaded directly to CDR envelopes.
- **PDF** files - Generic information, such as methodological information, can be provided using PDF files. Please be aware that such information will not be harvested or integrated in the European datasets.

You may use [CDRSandbox](#) to test your data. Please test with small files, so that you can detect structural errors and identify frequent QC errors. Small EXCEL files can be uploaded directly (and automatically converted by the Reportnet systems), which provides a faster way to test and improve the quality of your delivery.

If your data delivery was released and technically accepted, you may still deliver additional data (or correct the data that was previously delivered) by creating a new envelope. Please note that only the last reported instance of each record (i.e. the determinant measured at specific monitoring site at specific date) will be kept in the European datasets. Please contact wisesoe.helpdesk@eionet.europa.eu if you need technical support.



If your data delivery was released and a correction was requested, you may still submit a revised full delivery in a new envelope. Please contact wisesoe.helpdesk@eionet.europa.eu if you need assistance with redeliveries.

Watch list reporting

The Watch List is a requirement under the Priority Substances Directive 2008/105/EC as amended by Directive 2013/39/EU. Further to DG ENV's letter to Water Directors (Reporting of watch list monitoring data, 24th October 2016) EU Member States can report their watch list water concentration data through WISE-6.

The current list of watch list substances is set out in (EU) 2020/1161.

Data Providers should write "watchlist" in the remarks field to highlight the data to be considered for this dataflow. **Please be aware that reporting well in advance of the 20th December deadline is recommended, in case the WISE data call is interrupted during December.**

Helpdesk and support

- Contact WISE-SoE helpdesk for question related to the content, format or quality control of the WISE-1, WISE-2, WISE-3, WISE-5 or WISE-6 data:
wisesoe.helpdesk@eionet.europa.eu
- In case of login problems or any other technical difficulties with Eionet services, please contact Eionet helpdesk: helpdesk@eionet.europa.eu

Please remember that emails sent in CC to the above email addresses are automatically discarded by the system. User requests can be internally forwarded to the appropriate support team, so it is not necessary or advisable to send requests simultaneously to both helpdesk teams.

I would like to take this opportunity to thank you for your continued support and look forward to a successful data reporting exercise. Please note that the European datasets from this and previous submissions will be available on the [EEA web site](#).

Best regards,

Stéphane Isoard

Head of Group - Water and Marine
European Environment Agency



Annex A

Examples of uses of the WISE-SoE data in EEA and ETC-ICM products

Reports:

ETC-ICM technical report on pesticides in water (*WISE-6*)

<https://www.eionet.europa.eu/etcs/etc-icm/products/etc-icm-report-1-2020-pesticides-in-european-rivers-lakes-and-groundwaters-data-assessment>

EEA assessment on Chemicals in Europe's Waters (*WISE-1*)

<https://www.eea.europa.eu/publications/chemicals-in-european-waters>

EEA assessment on water resources across Europe- confronting water stress – An updated assessment (upcoming)

Indicators:

Use of freshwater resources (*WISE-3*)

[Use of freshwater resources in Europe — European Environment Agency \(europa.eu\)](https://www.eea.europa.eu/data-and-maps/indicators/use-of-freshwater-resources-in-europe)

Water intensity of crop production in Europe (*WISE-3*)

<https://www.eea.europa.eu/data-and-maps/indicators/economic-water-productivity-of-irrigated-2/assessment>

Oxygen-consuming substances in European rivers (*WISE-6*)

<https://www.eea.europa.eu/data-and-maps/indicators/oxygen-consuming-substances-in-rivers/oxygen-consuming-substances-in-rivers-10>

Nutrients in freshwater in Europe (*WISE-6*)

<https://www.eea.europa.eu/data-and-maps/indicators/nutrients-in-freshwater/nutrients-in-freshwater-assessment-published-10>

Draft indicator on pesticides in rivers, lakes and groundwater (*WISE-6*) – Eionet consultation summer 2021

Dashboards and data products:

European physical asset and flow accounts

<https://www.eea.europa.eu/data-and-maps/data/wise-water-accounts-database>