

WISE

spatial data

Agenda

1. Overview of the **products** using the WISE spatial data dets
2. Structure of the WISE spatial data **model**
3. Overview of the **reporting process for WISE-5**
4. Consolidation between historic **WISE-5** data & **WFD** spatial data
5. Questions & Answers.

WISE **spatial** **data products** and where to find them

WISE Spatial Data Products

1

- The information report to WISE is used to create **European data sets**.
- Different products are available:
 - Downloadable data sets.
 - Online map services.
 - Derived products, such as map viewers and dashboards.
- The **National data sets** can be accessed in CDR or in a restricted area.
 - Only authorised users have access to national data sets.
 - National data sets may include confidential data (e.g. some monitoring sites).

Relevant European data sets

1.1

- **WISE WFD reference spatial data sets:**
reported in 2010 and 2016,
under the Water Framework Directive River Basin Management Plans data flows,
by **EU Member States, Iceland, Norway and the UK.**
- **WISE EIONET spatial data sets:**
EIONET data reported before 2013, under the voluntary WISE SoE data flows,
and under the WISE-5 data flow by countries not reporting under WFD.
(If strictly necessary, WISE-5 may be used by country that report under WFD, if and only if
non WFD objects are necessary to report time series under WISE SoE.)

Water Framework Directive data sets in the EEA site

1.1

European Environment Agency

Topics Countries Data and maps Indicators Publications Media About us

EN Search

Data and maps > Datasets > WISE WFD reference spatial ...

DATA

WISE WFD reference spatial data sets

The Water Framework Directive (WFD) reference spatial data sets include information about European river basin districts, river basin district sub-units, surface water bodies, groundwater bodies and monitoring sites used in the first and second River Basin Management Plans (RBMP). The data sets are part of the Water Information System for Europe (WISE), and compile information reported by the EU Member States, Norway, Iceland and the United Kingdom to the European Commission (EC) and the European Environment Agency (EEA) since 2010.

Prod-ID: DAT-30-en Created 17 Apr 2020 — Published 20 Apr 2020 — Last modified 20 Apr 2020 — 2 min read

Data and maps

- Global search
- Dashboards
- Datasets
- Interactive data viewers
- External datasets catalogue
- WISE WFD reference spatial data sets**

Scroll down...

Water Framework Directive data sets in the EEA site

1.1

European data Metadata

Data download

The WISE WFD Spatial data is published in two formats: Shapefile and OGC Geopackage (SQLite) format. The files contain information for the RiverBasinDistrict, SubUnit, SurfaceWaterBody, GroundWaterBody and MonitoringSite spatial data sets, for both 2010 and 2016.

- **WISE WFD Reference Spatial Datasets reported under Water Framework Directive 2010 - PUBLIC VERSION - version 1.4, Apr. 2020**
[Download file](#)
- **WISE WFD Reference Spatial Datasets reported under Water Framework Directive 2016 - PUBLIC VERSION - version 1.4, Apr. 2020**
[Download file](#)
- **WISE WFD Reference Spatial Datasets reported under Water Framework Directive 2010 - METADATA - version 1.4, Apr. 2020**
[Download file](#)
- **WISE WFD Reference Spatial Datasets reported under Water Framework Directive 2016 - METADATA - version 1.4, Apr. 2020**
[Download file](#)

Maps and graphs

Interactive maps

Indicators

Data providers and partners

European data centres

Data visualisations

1st River Basin Management Plans →

2nd RBMPs →

- The European data sets are published in two different formats:
 - Shapefiles
 - OCG Geopackage (SQLite)
- Only the public content is available for download.
 - For example, the location of confidential monitoring sites is not published.
 - The access constraints set by the Data Providers are published with the data set.
- The current frequency of publication is annual (if updated data exists).

WISE EIONET spatial data sets

DATA

WISE EIONET spatial data sets

The European environment information and observation network (Eionet) spatial data sets include information about European river basin districts, river basin district sub-units, surface water bodies, groundwater bodies and monitoring sites. The data sets are part of the Water Information System for Europe (WISE), and compile information reported to the European Environment Agency (EEA) since 2001. For the EEA Member countries and cooperating countries not reporting under WFD, the EIONET spatial data sets are the most up-to-date information available in WISE. The coverage is complete for Switzerland, and partial for the remaining countries (Liechtenstein, Turkey, Albania, Bosnia and Herzegovina, Montenegro, North Macedonia, Serbia and Kosovo). For the 27 European Union Member States, Iceland, Norway and the United Kingdom, the Water Framework Directive (WFD) reference spatial data sets are the most complete and up-to-date information available in WISE (only the EIONET monitoring sites and EIONET water bodies that could not be mapped to WFD spatial objects are included in the EIONET spatial data set).

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Data and maps

Global search

Dashboards

Datasets

Interactive data viewers

External datasets catalogue

WISE EIONET spatial data sets

Data download

Maps and graphs

Interactive maps

Indicators

Data providers and partners

Scroll down...

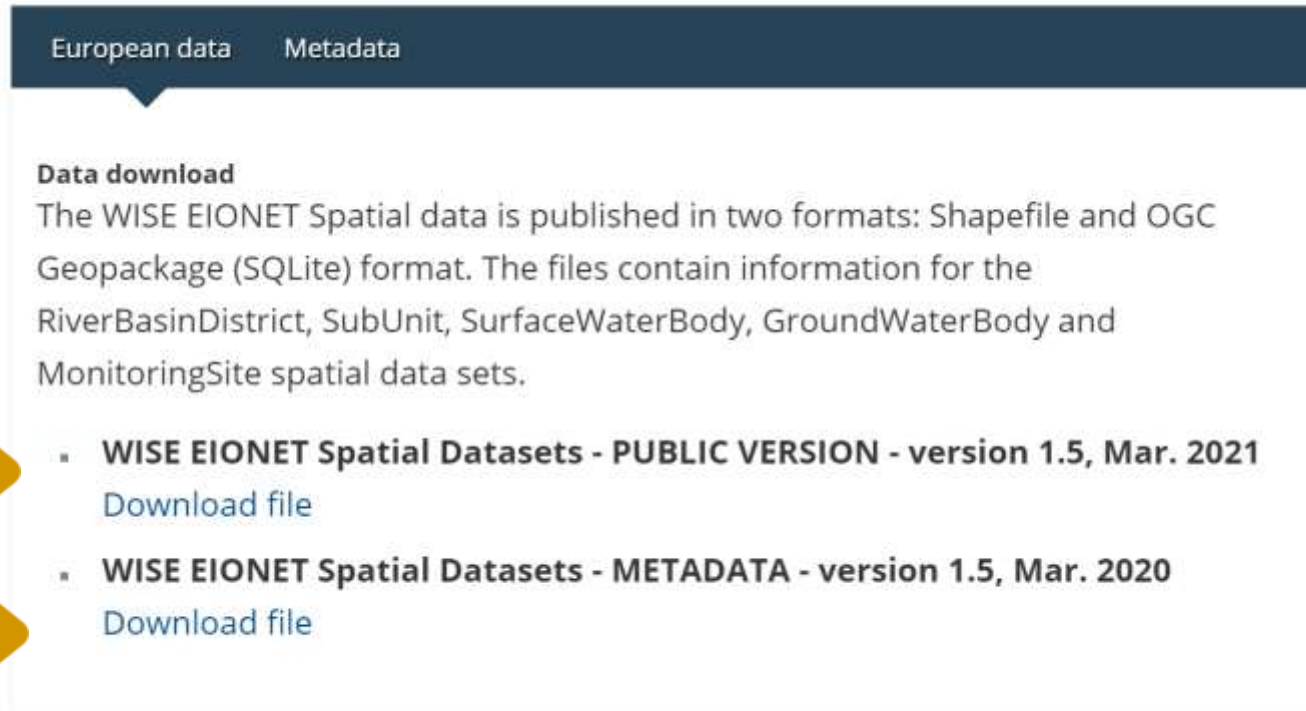


WISE EIONET spatial data sets

Public data download



Metadata

A screenshot of a web page with a dark blue header containing two tabs: 'European data' and 'Metadata'. The 'European data' tab is active. Below the header, the text 'Data download' is followed by a paragraph explaining that the data is published in Shapefile and OGC Geopackage (SQLite) formats, covering RiverBasinDistrict, SubUnit, SurfaceWaterBody, GroundWaterBody, and MonitoringSite. Below this, there are two bullet points, each with a 'Download file' link. The first bullet point is for 'WISE EIONET Spatial Datasets - PUBLIC VERSION - version 1.5, Mar. 2021' and the second is for 'WISE EIONET Spatial Datasets - METADATA - version 1.5, Mar. 2020'.



European data Metadata

Data download
The WISE EIONET Spatial data is published in two formats: Shapefile and OGC Geopackage (SQLite) format. The files contain information for the RiverBasinDistrict, SubUnit, SurfaceWaterBody, GroundWaterBody and MonitoringSite spatial data sets.

- **WISE EIONET Spatial Datasets - PUBLIC VERSION - version 1.5, Mar. 2021**
[Download file](#)
- **WISE EIONET Spatial Datasets - METADATA - version 1.5, Mar. 2020**
[Download file](#)

Key messages

1.1

- All the data is published.
 - Except monitoring sites marked as confidential.
 - Except justified cases where Data Providers explicitly request it, and state it in the metadata that accompanies each national dataset.
 - **It is important to provide accurate metadata when reporting the national data sets.** 
- The newer data is used to replace older data
 - (if the object itself has not changed, and only the geometry or some attributes were updated).
 - **It is important to provide accurate life-cycle information, e.g. about changes in the identifiers.** 

This is be illustrated later on.

Key messages

1.1

- The EIONET European data sets **may contain historical data that is no longer in use.**
Why? Because there are time series associated with those objects.



This is be illustrated later on.

- For WISE-5 reporting purposes, only the current data is necessary.
It is not necessary to report objects that have already been deprecated
(i.e. have been retired or have been superseded by other objects).
- **Use the national prefilled data available in CDR to obtain the current data set.**
 - Partial reporting is not possible, full data sets are required.



European data sets as online map services

1.2

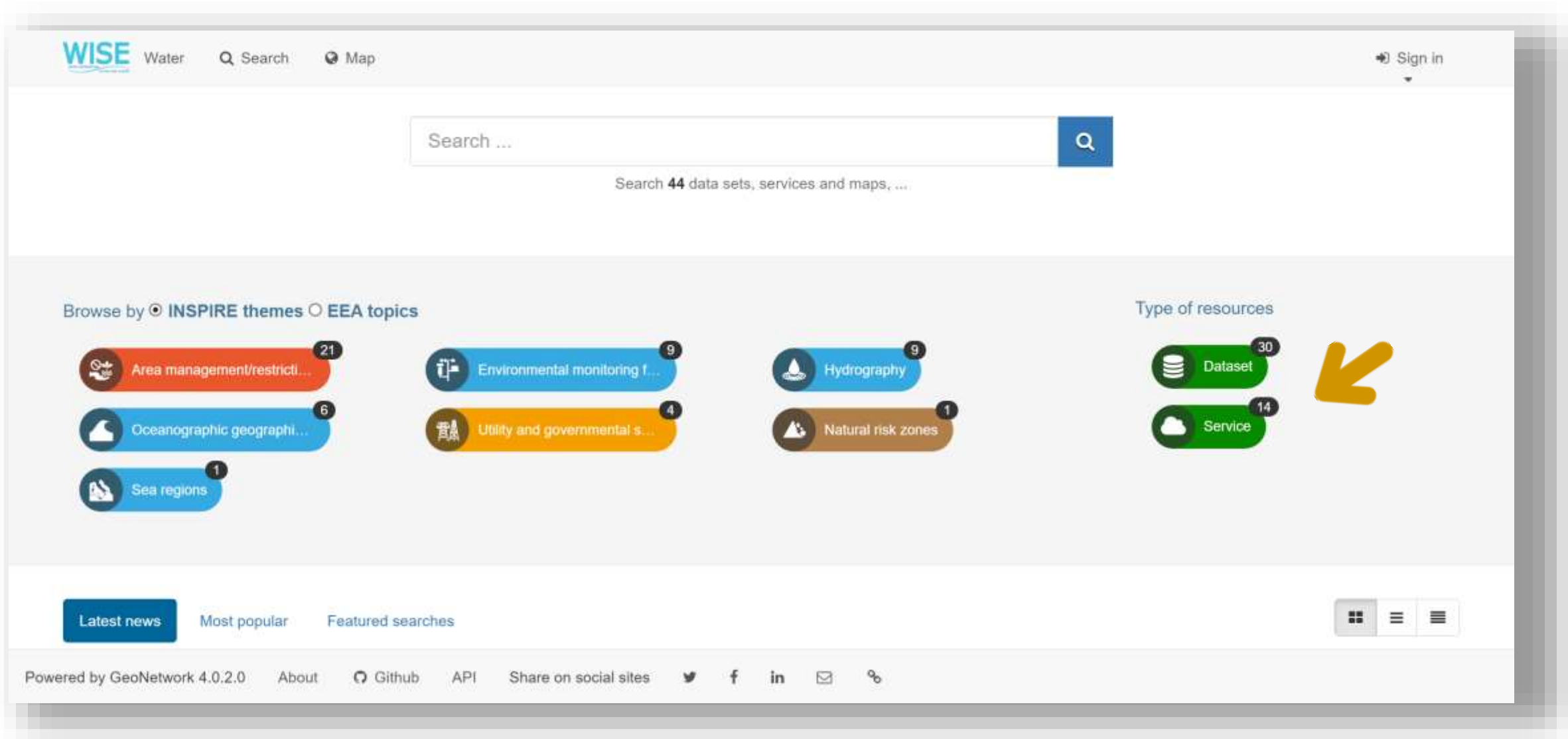
Besides downloadable data, it is also possible to access online services

- The online map services may have additional layers combining the spatial data with “descriptive” data about ecological status, chemical status, etc..
- The services can be viewed directly in a browser, or used in any standard GIS software that supports OGC services.

There are several ways to access the services.

Access to online services using the metadata catalog

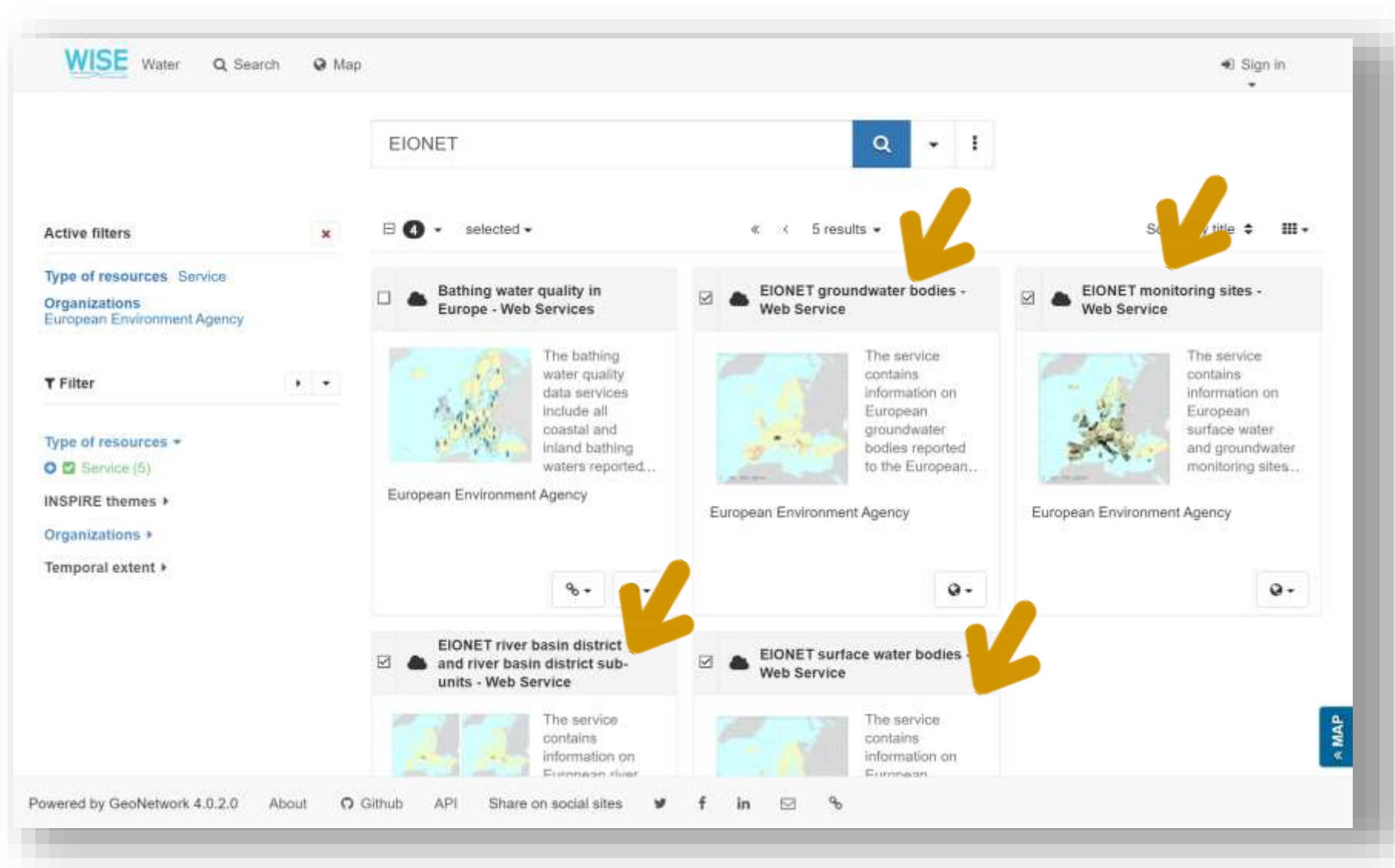
1.2



<https://sdi.eea.europa.eu/catalogue/water/eng/catalog.search#/home>

Metadata catalog

1.2







<https://sdi.eea.europa.eu/catalogue/water/eng/catalog.search#/home>


Metadata fiche

Scroll down...



 Water  Search  Map Sign in

 Back to search < Previous Next > Download Display mode

 **EIONET monitoring sites - Web Service**

The service contains information on European surface water and groundwater monitoring sites reported to the European Environment Agency.


The information was reported to the European Environment Agency under the State of Environment reporting obligations.

For the EU27 countries, Iceland, Norway and the United Kingdom, the EIONET spatial data was consolidated with the spatial data reported under the Water Framework Directive reporting obligations. For these countries, the reference spatial data set is the "WISE WFD Reference Spatial Datasets reported under Water Framework Directive".


Relevant concepts:

Surface water body: Body of surface water means a discrete and significant element of surface water such as a lake, a reservoir, a stream, river or canal, part of a stream, river or canal, a transitional water or a stretch of coastal water.

Surface water: Inland waters, except groundwater; transitional waters and coastal waters, except in respect of chemical status for which it shall also include territorial waters.



Overview


A map of Europe showing the distribution of monitoring sites. The landmasses are colored in shades of blue and green, while the surrounding oceans are light blue. A scale bar at the bottom left indicates distances of 0, 500, 1000, and 1500 km.

Links to map services

View online...




Download and links

**WMS**

0

This dataset is published in the view service (WMS) available at
https://water.discomap.eea.europa.eu/arcgis/services/WISE_SoE/EIONET_MonitoringSite_WM/MapServer/WMSServer?request=GetCapabilities&service=WMS with layer name 0.

Add to map


**ESRI:REST**

ESRI REST service

https://water.discomap.eea.europa.eu/arcgis/rest/services/WISE_SoE/EIONET_MonitoringSite_WM/MapServer.

Add to map

Associated resources





WISE EIONET Spatial Datasets - PUBLIC VERSION - version 1.5, Mar. 2021

The dataset contains information on European groundwater bodies, monitoring sites, river basin districts, river basin districts sub-units and surface bodies reported to the European Environment Agency between 29-11-2001 and 01-03-2021. The information was reported to...
[more...](#)

Related dataset

Resource events


**Publication**
15-09-2018

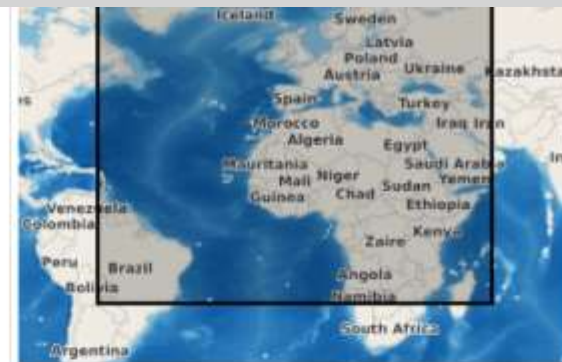
**Revision**
01-03-2021

Temporal extent

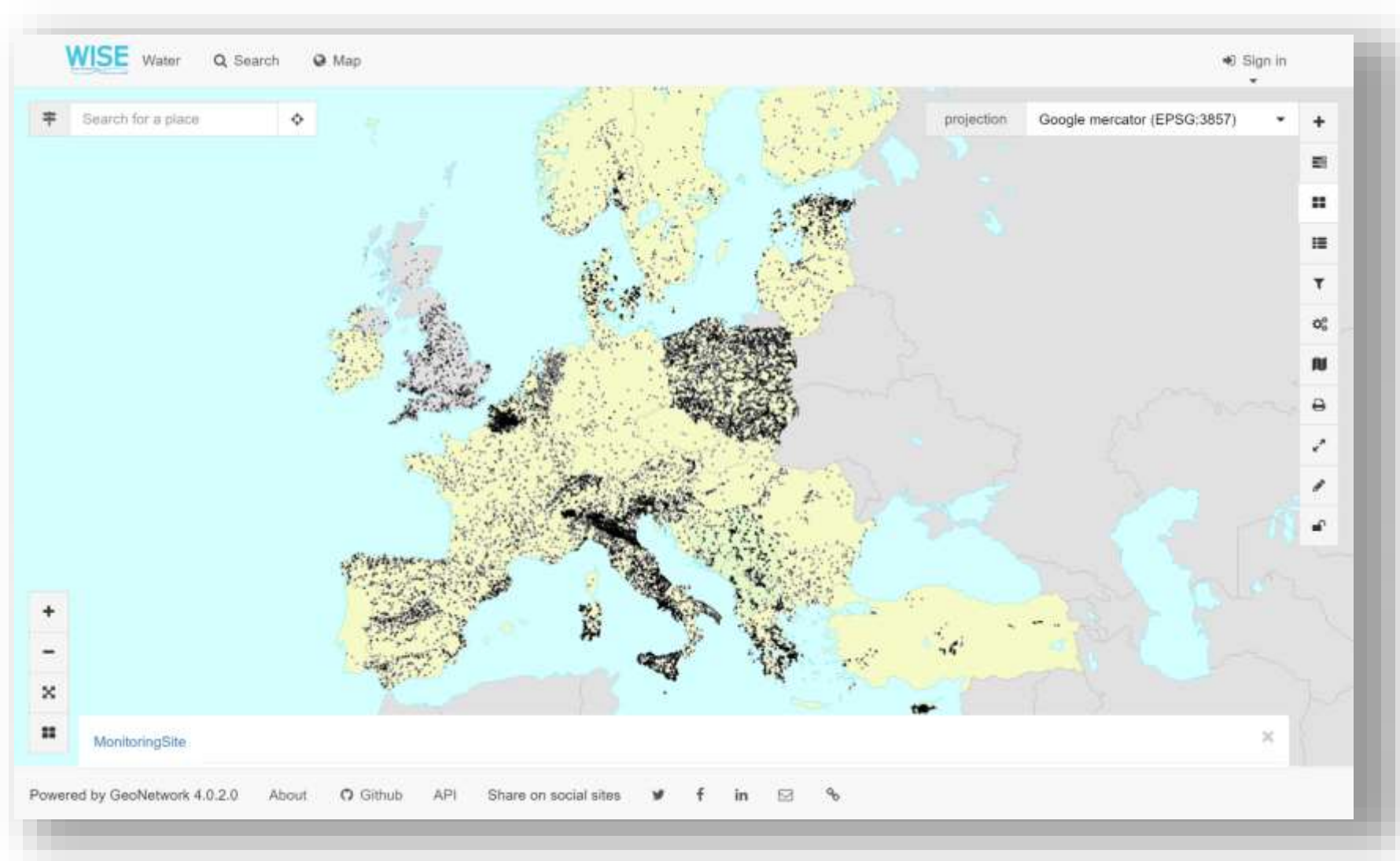
29-11-2001 01-03-2021

Provided by





Example with the EIONET monitoring sites service



NOTE: For countries reporting under WFD, all monitoring sites presently active in WFD water bodies should be reported under WFD.

Direct access to the EIONET online map services 1.2

For GIS users, a faster way is to go directly to the web map server, and use the service directly in the GIS software...

ArcGIS REST Services Directory

[Login](#) | [Get Token](#)

[Home](#) > [services](#) > [WISE_SoE](#)

[Help](#) | [API Reference](#)

[JSON](#) | [SOAP](#)

Folder: WISE_SoE

Current Version: 10.81

View Footprints In: [ArcGIS Online Map Viewer](#)

Services:

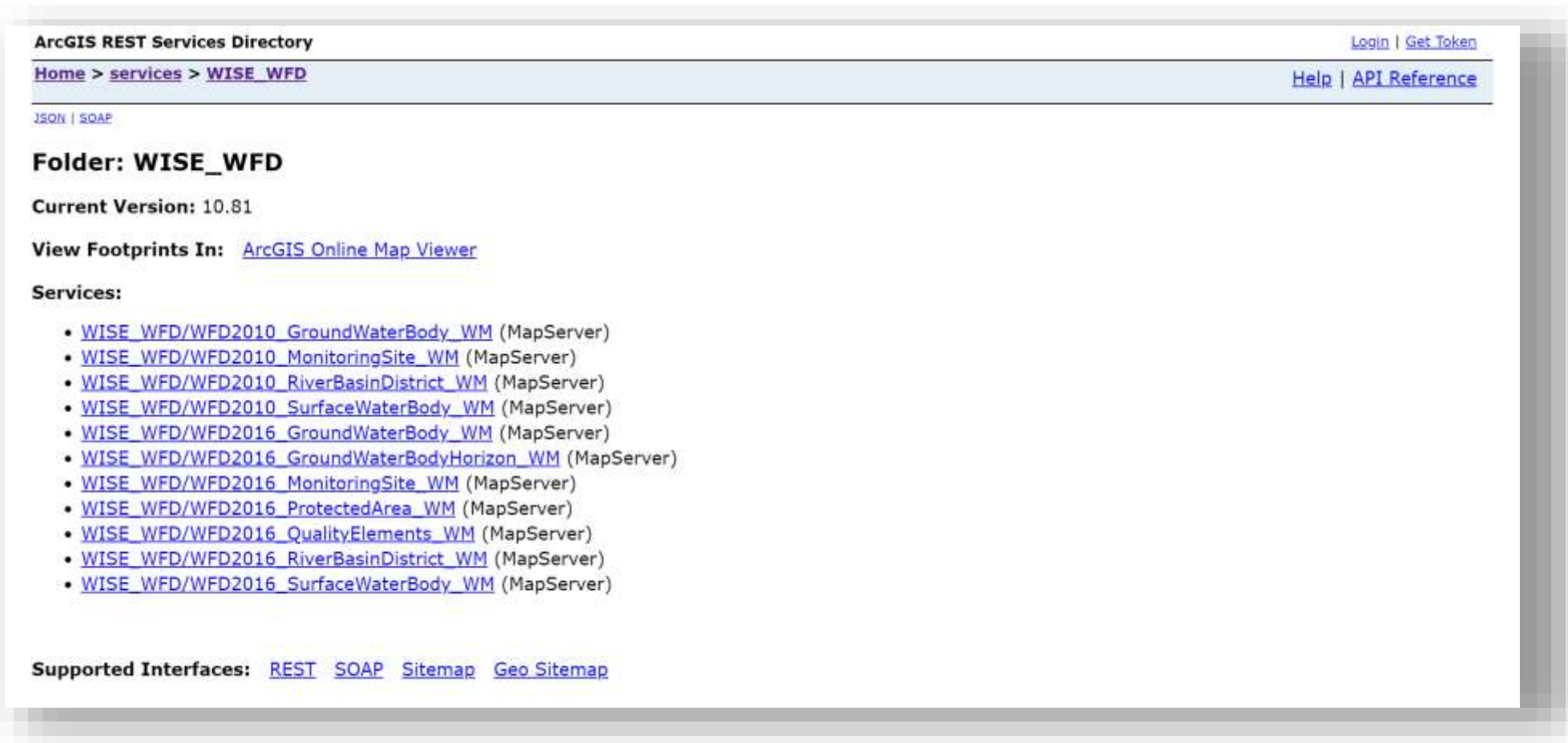
- [WISE_SoE/EIONET_GroundWaterBody_WM](#) (MapServer)
- [WISE_SoE/EIONET_MonitoringSite_WM](#) (MapServer)
- [WISE_SoE/EIONET_RiverBasinDistrict_WM](#) (MapServer)
- [WISE_SoE/EIONET_SurfaceWaterBody_WM](#) (MapServer)
- [WISE_SoE/WISE_SoE_RiverBasinDistrict_WM](#) (MapServer)

https://water.discomap.eea.europa.eu/arcgis/rest/services/WISE_SoE

Direct access to the WFD online map services

1.2

For GIS users, a faster way is to go directly to the web map server, and use the service directly in the GIS software...



The screenshot shows the ArcGIS REST Services Directory interface. At the top, it says 'ArcGIS REST Services Directory' with links for 'Login' and 'Get Token'. Below this is a breadcrumb trail: 'Home > services > WISE_WFD'. There are also links for 'Help' and 'API Reference'. Under the breadcrumb, there are links for 'JSON' and 'SOAP'. The main heading is 'Folder: WISE_WFD', followed by 'Current Version: 10.81'. Below that, it says 'View Footprints In: ArcGIS Online Map Viewer'. The 'Services:' section lists 12 services, each with a link and '(MapServer)' in parentheses. At the bottom, it says 'Supported Interfaces: REST SOAP Sitemap Geo Sitemap'.

ArcGIS REST Services Directory [Login](#) | [Get Token](#)

[Home](#) > [services](#) > [WISE_WFD](#) [Help](#) | [API Reference](#)

[JSON](#) | [SOAP](#)

Folder: WISE_WFD

Current Version: 10.81

View Footprints In: [ArcGIS Online Map Viewer](#)

Services:

- [WISE_WFD/WFD2010_GroundWaterBody_WM](#) (MapServer)
- [WISE_WFD/WFD2010_MonitoringSite_WM](#) (MapServer)
- [WISE_WFD/WFD2010_RiverBasinDistrict_WM](#) (MapServer)
- [WISE_WFD/WFD2010_SurfaceWaterBody_WM](#) (MapServer)
- [WISE_WFD/WFD2016_GroundWaterBody_WM](#) (MapServer)
- [WISE_WFD/WFD2016_GroundWaterBodyHorizon_WM](#) (MapServer)
- [WISE_WFD/WFD2016_MonitoringSite_WM](#) (MapServer)
- [WISE_WFD/WFD2016_ProtectedArea_WM](#) (MapServer)
- [WISE_WFD/WFD2016_QualityElements_WM](#) (MapServer)
- [WISE_WFD/WFD2016_RiverBasinDistrict_WM](#) (MapServer)
- [WISE_WFD/WFD2016_SurfaceWaterBody_WM](#) (MapServer)

Supported Interfaces: [REST](#) [SOAP](#) [Sitemap](#) [Geo Sitemap](#)

https://water.discomap.eea.europa.eu/arcgis/rest/services/WISE_WFD

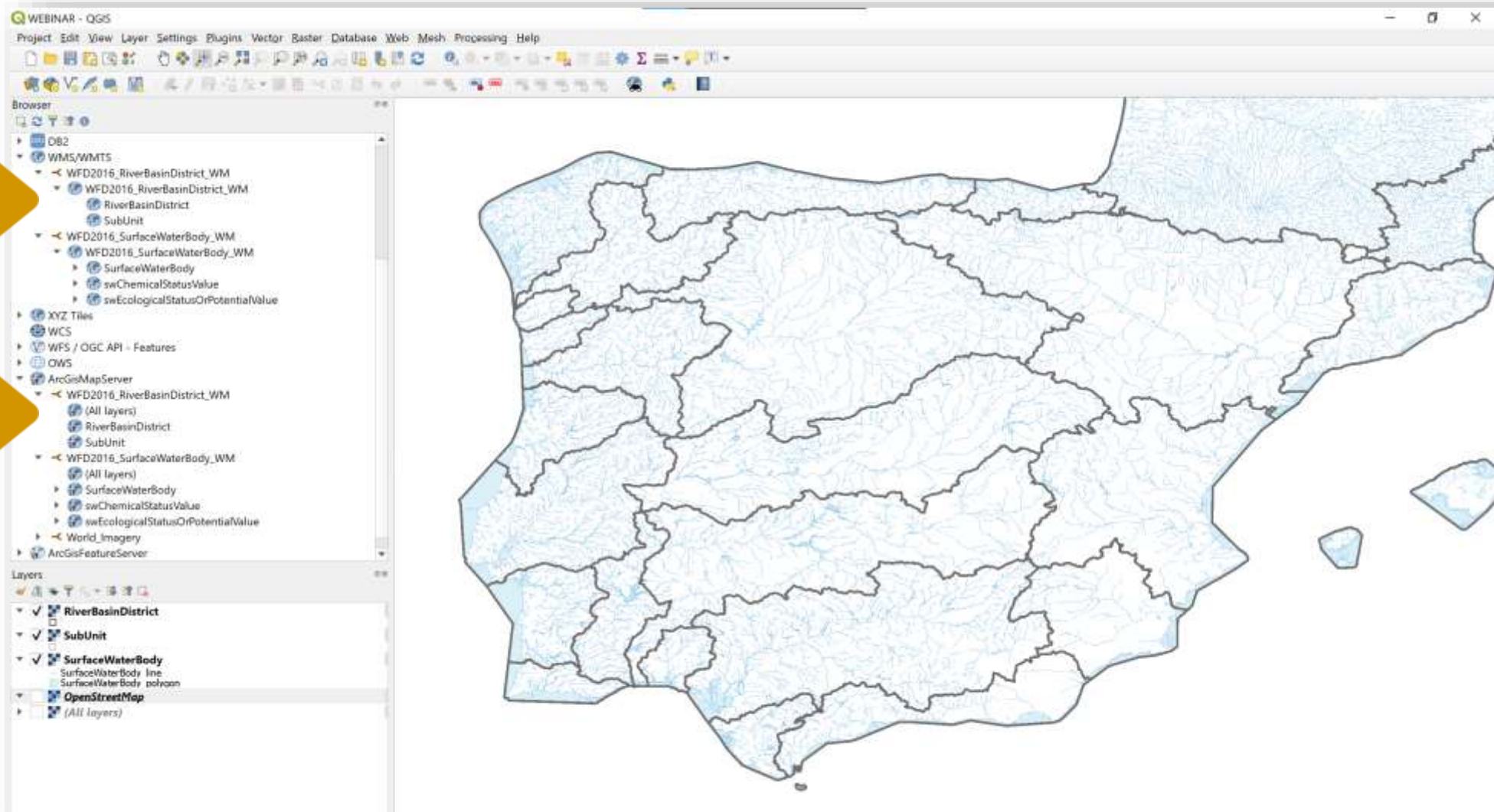
Example in QGIS

1.2

WMS



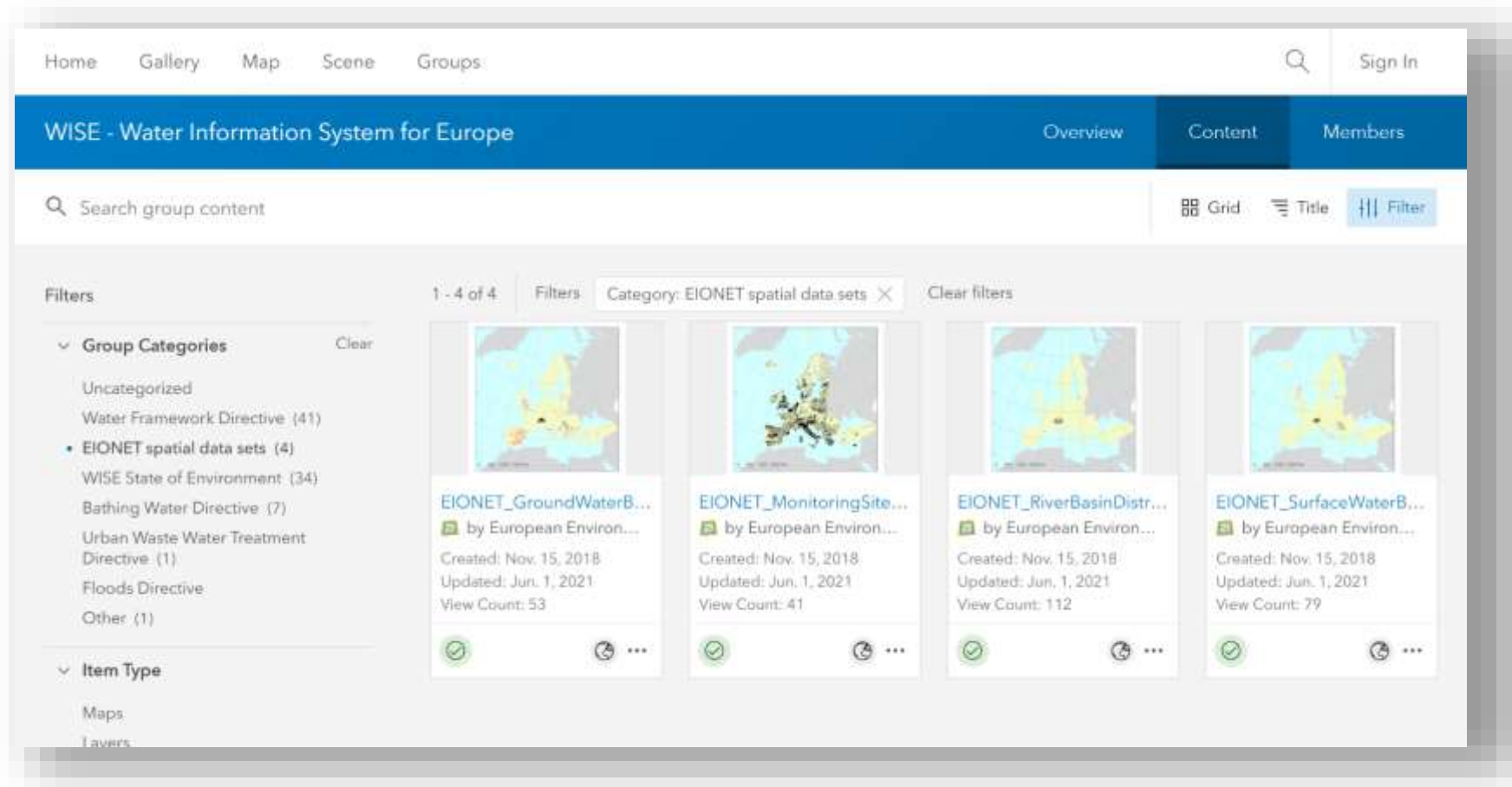
ArcGIS
server



Portal: online map services, map viewers,...

1.2

The easiest way is to access the WISE group in the EEA Portal



<https://eea.maps.arcgis.com/home/group.html?id=08a2498d8fbe4508878310fe91b7cb4d#overview>

<https://portal.discomap.eea.europa.eu/arcgis/home/group.html?id=52fa75e2bbe64d76a32f44d5a9db52d5#overview>

- **EIONET** spatial data sets are similar to the WFD spatial reference data sets, **but are used by countries that do not report under WFD** (Switzerland, Turkey, West Balkan countries)
- The data sets contain EIONET legacy data (reported before 2013) or reported under the WISE-5 data flow.
 - The data sets still contain some data from countries that report under WFD, mainly monitoring sites.
 - Such countries are advised to report all the information under WFD.
 - If strictly necessary (to report time series under the WISE SoE dataflows), waterbodies that are not WFD waterbodies can be reported under WISE-5.

Structure of the WISE spatial data model

and overview of changes since 2016

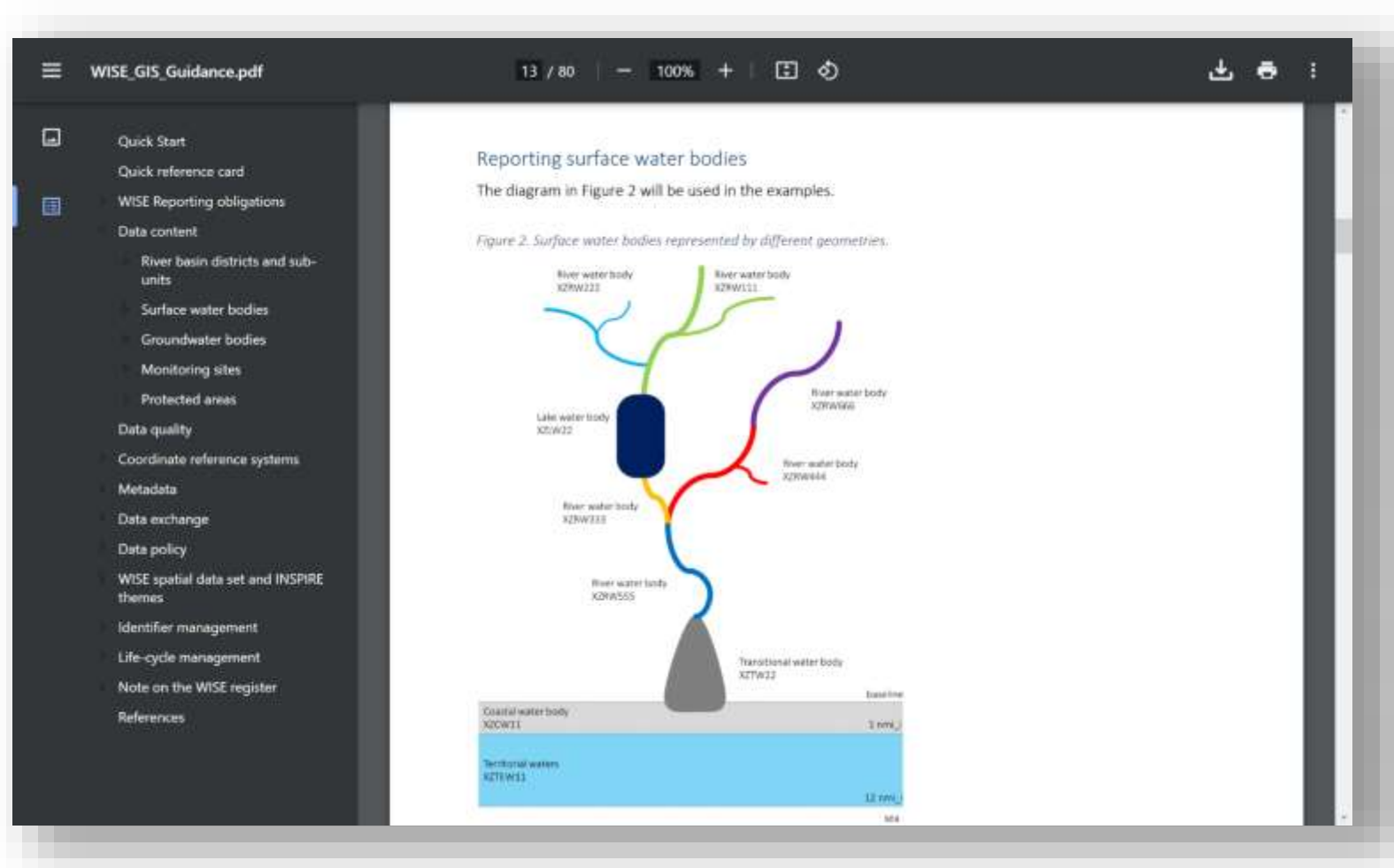
Data model

- The spatial data reported to WISE follows the same model
 - In the [WFD spatial data flow](#) (countries reporting under WFD)
 - In the [WISE-5 spatial data](#) (for other EIONET countries)
- The content and frequency of the data flows is variable, but all the data is consolidated and must be reported only once.

Data model


2

- The model is fully described in the [WISE GIS Guidance](https://cdr.eionet.europa.eu/help/WFD/WFD_780_2022/GISGuidance/WISE_GIS_Guidance.pdf).

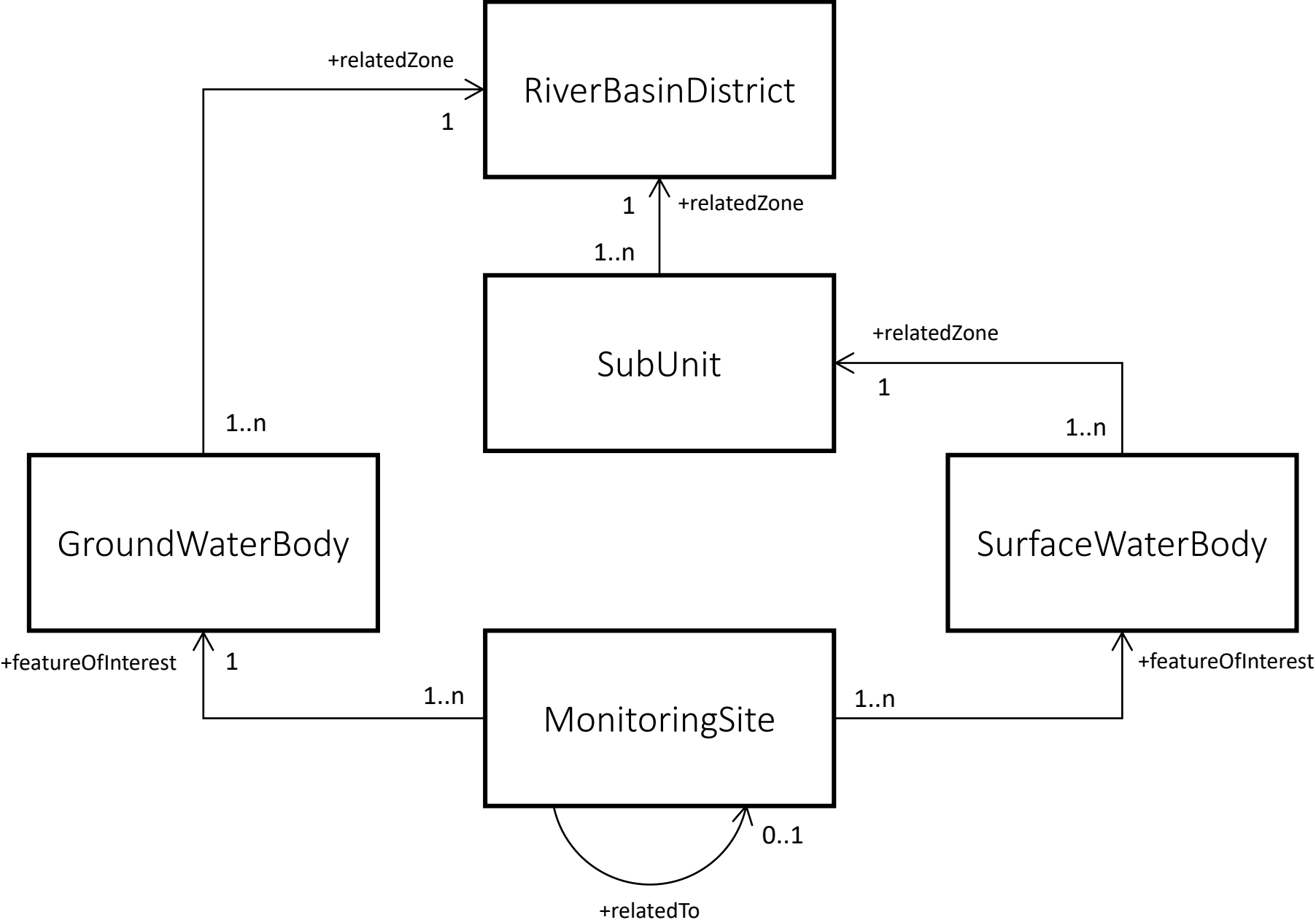


WISE spatial data model

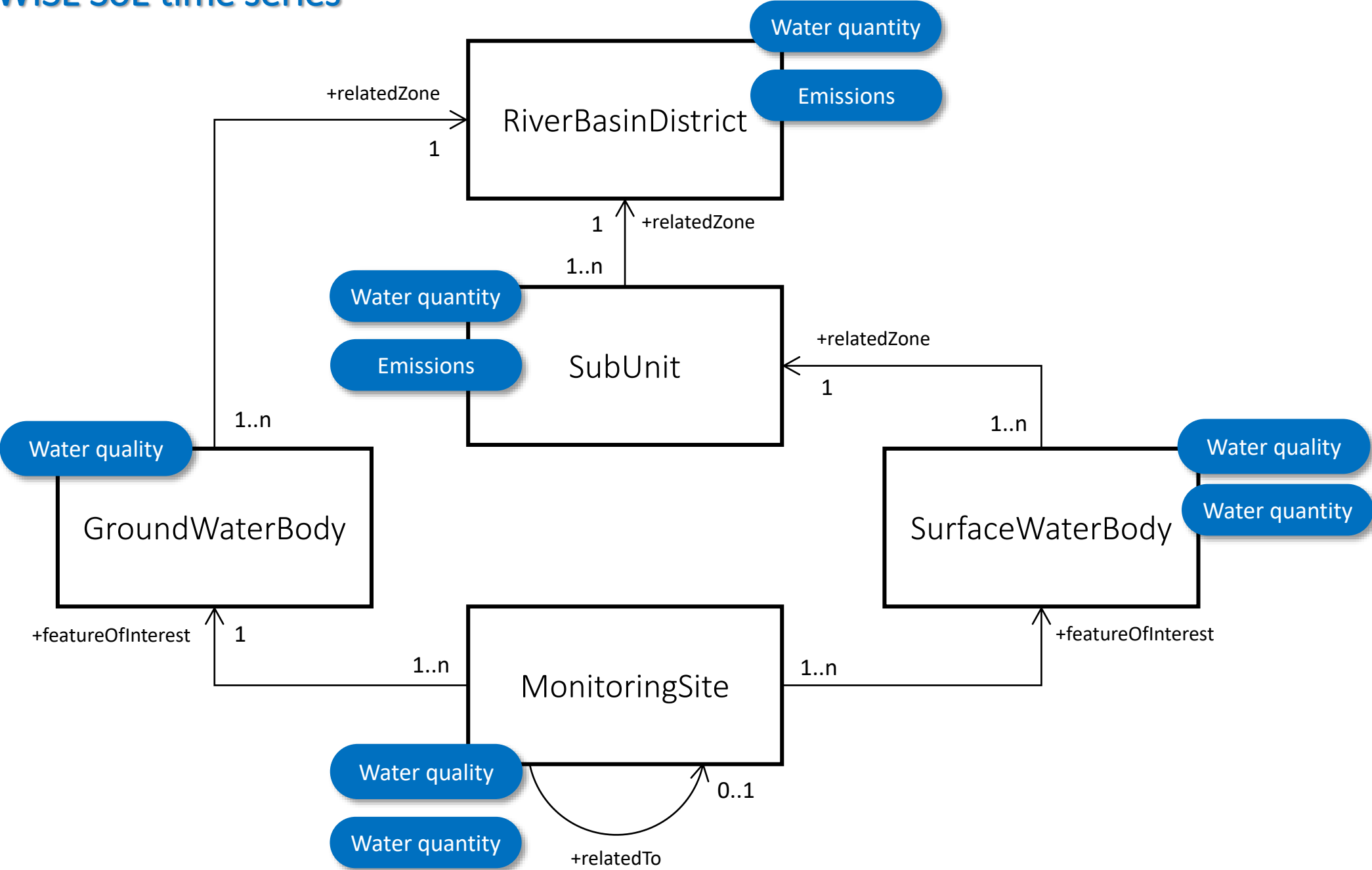
2

- The reference spatial datasets are:
 - RiverBasinDistrict
 - SubUnit
 - SurfaceWaterBody
 - GroundWaterBody
 - MonitoringSite
- For countries that do not report under WFD, these data sets are **required** in the WISE-5 reporting. 

relation between data sets



links to the WISE SoE time series



Areas of Management

The model nearly identical for all data sets

- *RiverBasinDistrict,*
- *SubUnit,*
- *SurfaceWaterBody,*
- *GroundWaterBody*

Legend:

m	Mandatory element, must be reported
c	Conditional element, must be reported under specific circumstances
o	Optional element, can be reported

INSPIRE element	#	WISE GML data element	RiverBasinDistrict	SubUnit	SurfaceWaterBody	GroundWaterBody	Shapefile field name
geometry	1	geometry	m	m	m	m	shape
inspireId	2	inspireIdLocalId	m	m	m	m	localId
	3	inspireIdNamespace					namespace
	4	inspireIdVersionId	c	c	c	c	versionId
thematicId	5	thematicIdIdentifier	m	m	m	m	thematicId
	6	thematicIdIdentifierScheme					themaIdSch
beginLifespanVersion	9	beginLifespanVersion	c	c	c	c	beginLife
endLifespanVersion	10	endLifespanVersion	c	c	c	c	endLife
predecessors	11	predecessorsIdentifier	c	c	c	c	predecesId
	12	predecessorsIdentifierScheme					predeldSch
sucessors	13	successorsIdentifier	c	c	c	c	successold
	14	successorsIdentifierScheme					succeldSch
evolutions	19	wiseEvolutionType	m	m	m	m	wEvolution
name	20	nameTextInternational	m	m	m	m	nameTxtInt
	21	nameText	m	m	m	m	nameText
	22	nameLanguage					nameTxtLan
designationPeriod	25	designationPeriodBegin	m	m	m	m	desigBegin
	26	designationPeriodEnd	c	c	c	c	desigEnd
zoneType	29	zoneType	m	m	m	m	zoneType
specialisedZoneType	30	specialisedZoneType		m	m	m	spZoneType
legalBasis	31	legalBasisName	o	o	o	o	legisName
	32	legalBasisLink					legisLink
	33	legalBasisLevel					legisLevel
relatedZone	34	relatedZoneIdentifier		m	m	m	rZoneId
	35	relatedZoneIdentifierScheme					rZoneIdSch
relatedZone	36	relatedZoneTransboundaryIdentifier	o	o	o	o	rTrnsId
	37	relatedZoneTransboundaryIdentifierScheme					rTrnsIdSch
	49	sizeValue	o	o	c	o	sizeValue
	50	sizeUom					sizeUoM
	51	meanDepth			o		meanDepth
	52	horizons				c	horizons
	55	link	o	o	o	o	link

location data →

the national INSPIRE identifier →

relation to the thematic data (time series) →

‘creation’, ‘deletion’, etc... →

names →

validity period →

type →

relation to other objects →

INSPIRE element	#	WISE GML data element	RiverBasinDistrict	SubUnit	SurfaceWaterBody	GroundWaterBody	Shapefile field name
geometry	1	geometry	m	m	m	m	shape
inspireId	2	inspireIdLocalId	m	m	m	m	localId
	3	inspireIdNamespace					namespace
	4	inspireIdVersionId	c	c	c	c	versionId
thematicId	5	thematicIdIdentifier	m	m	m	m	thematicId
	6	thematicIdIdentifierScheme					themaldSch
beginLifespanVersion	9	beginLifespanVersion	c	c	c	c	beginLife
endLifespanVersion	10	endLifespanVersion	c	c	c	c	endLife
predecessors	11	predecessorsIdentifier	c	c	c	c	predecId
	12	predecessorsIdentifierScheme					predIdSch
sucessors	13	successorsIdentifier	c	c	c	c	successId
	14	successorsIdentifierScheme					succIdSch
evolutions	19	wiseEvolutionType	m	m	m	m	wEvolution
name	20	nameTextInternational	m	m	m	m	nameTxtInt
	21	nameText	m	m	m	m	nameText
	22	nameLanguage					nameTxtLan
designationPeriod	25	designationPeriodBegin	m	m	m	m	desigBegin
	26	designationPeriodEnd	c	c	c	c	desigEnd
zoneType	29	zoneType	m	m	m	m	zoneType
specialisedZoneType	30	specialisedZoneType		m	m	m	spZoneType
legalBasis	31	legalBasisName					legisName
	32	legalBasisLink	o	o	o	o	legisLink
	33	legalBasisLevel					legisLevel
relatedZone	34	relatedZoneIdentifier		m	m	m	rZoneId
	35	relatedZoneIdentifierScheme					rZoneIdSch
relatedZone	36	relatedZoneTransboundaryIdentifier	o	o	o	o	rTrnsId
	37	relatedZoneTransboundaryIdentifierScheme					rTrnsIdSch
	49	sizeValue	o	o	c	o	sizeValue
	50	sizeUom					sizeUoM
	51	meanDepth			o		meanDepth
	52	horizons				c	horizons
	55	link	o	o	o	o	link

Legend:

m	Mandatory element, must be reported
c	Conditional element, must be reported under specific circumstances
o	Optional element, can be reported

Environmental Monitoring Facilities

The element names are slightly different in the MonitoringSite data set, but the overall structure is the same.

INSPIRE theme	INSPIRE element	#	WISE GML data element	MonitoringSite	Shapefile field name
AM EF	geometry	1	geometry	m	shape
AM EF	inspireId	2	inspireIdLocalId	m	localId
		3	inspireIdNamespace		namespace
		4	inspireIdVersionId	c	versionId
AM	thematicId	5	thematicIdIdentifier	m	thematicId
		6	thematicIdIdentifierScheme		themaldSch
AM EF	beginLifespanVersion	9	beginLifespanVersion	c	beginLife
AM EF	endLifespanVersion	10	endLifespanVersion	c	endLife
EF	supersedes	15	supersedesIdentifier	c	predecId
		16	supersedesIdentifierScheme		predIdSch
EF	supersededBy	17	supersededByIdentifier	c	successId
		18	supersededByIdentifierScheme		succIdSch
(concept from SU)	evolutions	19	wiseEvolutionType	m	wEvolution
AM EF	name	20	nameTextInternational	m	nameTxtInt
		21	nameText		nameText
		22	nameLanguage	m	nameTxtLan
EF	operationalActivity	27	operationalActivityPeriodBegin	m	opActBegin
		28	operationalActivityPeriodEnd	c	opActEnd
EF	featureOfInterest	38	featureOfInterestIdentifier	m	foId
		39	featureOfInterestIdentifierScheme		foIdSch
EF	relatedTo	40	relatedToIdentifier	o	rSitId
		41	relatedToIdentifierScheme		rSitIdSch
EF	mediaMonitored	42	mediaMonitoredBiota		mediaBiota
		43	mediaMonitoredWater	m	mediaWater
		44	mediaMonitoredSediment		mediaSedim
EF	purpose	45	purpose	o	purpose
		46	catchmentArea	o	catchArea
		47	maximumDepth	o	maxDepth
		48	confidentialityStatus	m	confStatus
		55	link	o	link

Legend:

m

Mandatory element, must be reported

c

Conditional element, must be reported under specific circum

o

Optional element, can be reported

the location data

the national INSPIRE identifier

relation to the thematic data

'creation', 'deletion', etc...

names

validity period

relation to other objects

INSPIRE element	#	WISE GML data element	MonitoringSite	Shapefile field name
geometry	1	geometry	m	shape
inspireId	2	inspireIdLocalId	m	localId
	3	inspireIdNamespace	m	namespace
	4	inspireIdVersionId	c	versionId
thematicId	5	thematicIdIdentifier	m	thematicId
	6	thematicIdIdentifierScheme	m	themaldSch
beginLifespanVersion	9	beginLifespanVersion	c	beginLife
endLifespanVersion	10	endLifespanVersion	c	endLife
supersedes	15	supersedesIdentifier	c	precedesId
	16	supersedesIdentifierScheme	c	predeldSch
supersededBy	17	supersededByIdentifier	c	successold
	18	supersededByIdentifierScheme	c	succeldSch
evolutions	19	wiseEvolutionType	m	wEvolution
name	20	nameTextInternational	m	nameTxtInt
	21	nameText	m	nameText
	22	nameLanguage	m	nameTxtLan
operationalActivity	27	operationalActivityPeriodBegin	m	opActBegin
	28	operationalActivityPeriodEnd	c	opActEnd
featureOfInterest	38	featureOfInterestIdentifier	m	foild
	39	featureOfInterestIdentifierScheme	m	foildSch
relatedTo	40	relatedToIdentifier	o	rSiteld
	41	relatedToIdentifierScheme	o	rSiteldSch
mediaMonitored	42	mediaMonitoredBiota	m	mediaBiota
	43	mediaMonitoredWater	m	mediaWater
	44	mediaMonitoredSediment	m	mediaSedim
purpose	45	purpose	o	purpose
	46	catchmentArea	o	catchArea
	47	maximumDepth	o	maxDepth
	48	confidentialityStatus	m	confStatus
	55	link	o	link

Legend:

m	Mandatory element, must be reported
c	Conditional element, must be reported under specific circumstances
o	Optional element, can be reported



What has changed since 2016?

*INSPIRE directive now in force
for Annex III themes*

Must only use Latin characters

INSPIRE element	#	WISE GML data element	MonitoringSite	RiverBasinDistrict	SubUnit	SurfaceWaterBody	SurfaceWaterBodyLine	GroundWaterBody
inspireId	3	inspireIdNamespace	m	m	m	m	m	m
name	20	nameTextInternational	m	m	m	m	m	m
legalBasis	31	legalBasisName		o	o	o	o	o
	32	legalBasisLink		o	o	o	o	o
	33	legalBasisLevel		o	o	o	o	o
relatedZone	34	relatedZoneIdentifier						
	35	relatedZoneIdentifierScheme						
relatedZone	36	relatedZoneTransboundaryIdentifier		o	o			
	37	relatedZoneTransboundaryIdentifierScheme		o	o			
purpose	45	purpose	o					
	48	confidentialityStatus	m					
	49	sizeValue		o	o	c	o	o
	50	sizeUom		o	o	c	o	o
	52	horizons						c

*is needed
for security reasons*

*All other elements
have lesser requirements in 2022.*

m	Mandatory element in v7.0.6. The element was optional in v6.0.6.
c	Conditional element in v7.0.6. The element was mandatory in v6.0.6.
o	Optional element in v7.0.6. The element was mandatory in v6.0.6.
o	Optional element in v7.0.6. The element did not exist in v6.0.6.

How are INSPIRE complex data types stored in a flat GML file?

«dataType» Base Types::Identifier	
+ localId: CharacterString	
+ namespace: CharacterString	
«lifeCycleInfo, voidable»	
+ versionId: CharacterString [0..1]	



inspireId	2	inspireIdLocalId	m
	3	inspireIdNamespace	
	4	inspireIdVersionId	c
thematicId	5	thematicIdIdentifier	m
	6	thematicIdIdentifierScheme	

«dataType» Base Types 2::ThematicIdentifier	
+ identifier: CharacterString	
+ identifierScheme: CharacterString	



*The name is concatenated,
making easier to recognise each element.*

Why are there 2 different names for each element?

The spatial data can be prepared using shapefiles (a common GIS format).
The data delivery must be made in GML format (conversion tools are available in Reportnet).

*This is the “formal” name
of the element in the XML schema.
It must be used in the GML files.*

*This is the “short name”
of the element in shapefile format.
Shapefiles have a limitation of 10 characters.*



WISE GML data element	Shapefile field name
geometry	shape
inspireIdLocalId	localId
inspireIdNamespace	namespace
inspireIdVersionId	versionId
thematicIdIdentifier	thematicId
thematicIdIdentifierScheme	themalIdSch
beginLifespanVersion	beginLife
endLifespanVersion	endLife

Must the shapefile format be used?

No.

Data Providers can create and deliver GML files (XML schemas are provided for each data set).

But reporters can also use shapefiles, if they prefer to work in that format.

Empty “template” shapefiles are provided for each data set, and also prefilled shapefiles with the latest information reported.

Shapefiles must be converted to GML when uploading to Reportnet.



Reporting the spatial data

Reporting the spatial data in CDR

- Data delivery takes place in Reportnet Central Data Repository (CDR)

The screenshot shows the EIONET Central Data Repository (CDR) website. The header includes the European Environment Agency logo and the EIONET Central Data Repository title. The main content area is divided into several sections:

- Services:** Includes links for Search by obligation, Search XML files, Search for feedback, Global worklist, Notifications, and Help.
- Account Services:** Includes a link for 'I have lost my password' and a 'Note' section about subscribing to receive notifications.
- Global worklist:** A button to view the global worklist.
- Search by obligation:** A button to search by obligation.
- Search for feedback:** A button to search for feedback.
- Search XML files:** A button to search XML files.
- Recent uploads:** A button to view recent uploads.
- Recently released:** A button to view recently released data.

The main content area also includes a description of the CDR as part of the Reportnet architecture, stating it is like a bookshelf with data reports on the environment. It mentions that each country either has a collection for its deliveries or a referral to a different preferred repository. The data reports within each country collection are arranged under the relevant reporting obligations or agreements.

EEA Member countries:

- Austria, Belgium, Bulgaria, Croatia, Cyprus, Czechia, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey.

Other countries and territories:

- Albania, Andorra, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Georgia, Kazakhstan, Kosovo (UNSCR 1244/99), Kyrgyzstan, Moldova, Monaco, Montenegro, North Macedonia, Russia, Serbia, Tajikistan, Turkmenistan, Ukraine, United Kingdom, Uzbekistan, United Kingdom (Gibraltar).

International organisations:

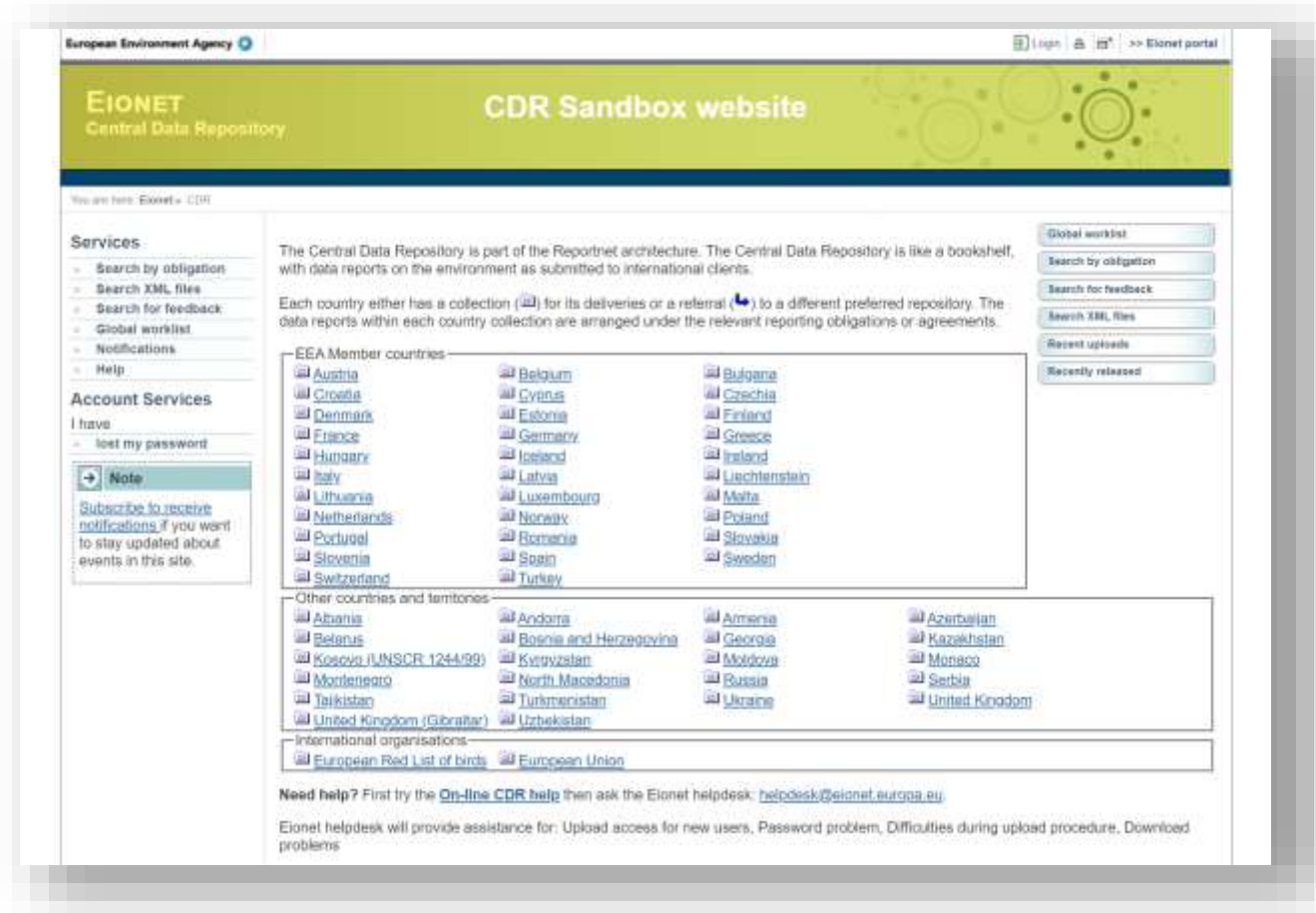
- European Red List of birds, European Union.

Need help? First try the [On-line CDR help](#) then ask the Eionet helpdesk: helpdesk@eionet.europa.eu. Eionet helpdesk will provide assistance for: Upload access for new users, Password problem, Difficulties during upload procedure, Download problems.

Testing and training in CDRSandbox

1

- CDRSandbox is an open testing area. Anyone can use it.



- The Central Data Repository is the official repository.
- Use <https://cdr.eionet.europa.eu/> to make the official data delivery.
 - You will need valid EIONET credentials.
 - You will need to be an authorised national data reporter for the reporting obligation.
- Use <https://cdrsandbox.eionet.europa.eu/> if you want to perform tests.
 - You may login with the credentials **datareporter/datareporter**.
 - Remember that CDRSandbox is an open access platform: to not upload confidential data.
- The delivery process is identical in both platforms.

If you need reporting permissions in CDR

- If you need reporting permissions for EIONET WISE-5
 - Check if your user is listed in [WISE - Spatial Data \(WISE-5\) Reporters](#)
 - If your user is not listed, contact your EIONET [National Focal Points](#)
 - The EIONET National Focal Point will grant you the necessary permissions.

Always start in the help page...

3

European Environment Agency

Login

EIONET Central Data Repository

You are here: EIONET > CDR > General Help > WISE SoE > WISE - Spatial Data (WISE-5)

Navigation

- Search by obligation
- Search XML files
- Search for feedback
- Global worklist
- Notifications
- Help

Account Services

I have

- lost my password

WISE - Spatial Data (WISE-5)

Helpdesk

All enquiries can be directed to wisesoe.helpdesk@eionet.europa.eu

Dataflow specific instructions

- [Reporting obligation](#)
- [How to use the EIONET prefilled shapefiles to report under WISE-5](#)

Important information

Follow the generic instructions in the [WISE Spatial Data reporting resources page](#).
The instructions are identical to those applicable to the WFD reporting.
The WISE GIS Guidance contains examples for both WFD and WISE-5.

Overview

The WISE-5 data flow includes the EIONET spatial reference datasets relevant for the Water Information System for Europe.

Until December 2020, WISE-5 used the data model adopted for the [Water Framework Directive - River Basin Management Plans - 2016 Spatial data](#) reporting.

Starting in the 2021 data call, WISE-5 uses the updated data model adopted for the [Water Framework Directive - River Basin Management Plans - 2022 Spatial data](#) reporting.

Scroll down...



Technical documents

How to improve the time series...

The [dashboard](#) has an overview of the necessary updates to information that was reported in the past.

1 - How to improve the time ser... 2 - Replace WFD2010 objects t... 3 - Report missing information ... 4 - Report missing identifiers

Warning! This is a temporary dashboard. It may be removed or changed without prior notice. Do not link to it in publications or web sites.

1. How to improve the Water Quality and Water Quantity time series by reporting the spatial data?

(All countries)

■ Replace WFD2010 objects that no longer exist

Over 6 000 identifiers that were valid in the 1st River Basin Management Plans (WFD2010), do not exist in the 2nd River Basin Management Plans (WFD2016). **This breaks the time series and affects over 4 million records.**

If possible, provide a mapping table between the WFD2010 identifier and a WFD2016 identifier.

Contact wisesoe.helpdesk@eionet.europa.eu to provide the mapping table.

■ Report missing information about EIONET objects

Nearly 9 500 EIONET objects were never reported under WISE-5 and their location or confidentiality status is unknown. In 2020, most of these objects have been retired because they were not used by data providers in the past 10 years. **A total of 581 EIONET objects have been used in time series and should be reported.**

For the 27 EU countries, Iceland, Norway and the UK, the EIONET identifiers should mapped to corresponding WFD identifiers (where possible).

Complete the missing information and submit

■ Report EIONET identifiers missing since 2016

In 2015 and 2016, some time series were reported with unknown identifiers. **Over 600 000 records cannot be included in the Waterbase time series until the spatial information is reported.**

Check the list of unknown identifiers in dashboard 4.

If the identifier is correct but was never reported, then include it in your WISE-5 submission.

If the identifiers were reported by mistake, contact wisesoe.helpdesk@eionet.europa.eu

See more information in dashboard #2... See more information in dashboard #3 See more information in dashboard #4

Undo Redo Reset Refresh Pause Share Download

Read the docs...

All the guidance documents



European Environment Agency

EIONET
Central Data Repository

You are here: Eionet > CDR > General Help > Water Framework Directive > Water Framework Directive - River Basin Management Plans - 2022 Spatial data

Navigation

- Search by obligation
- Search XML files
- Search for feedback
- Global worklist
- Notifications
- Help

Account Services

I have

- lost my password

WISE Spatial Data reporting resources

Water Framework Directive - River Basin Management Plans - 2022 reporting

Helpdesk

All enquiries can be directed to wfd_helpdesk@eionet.europa.eu

Current version: 7.0.6

Guidance documents

- [WISE GIS Guidance v7.0.6](#) - Complete reporting guidance.
- [Protected Areas clarification note](#) - Clarification on how to report protected areas.
- [WISE Data Model v7.0.6 - Quick Reference Card](#) - Condensed description.
- [WISE Reportnet2 Guidance](#) - How to access prefilled files and convert shapefiles to GML.
- [QAQC Scripts](#) - Documentation for the QAQC and scripts that are executed

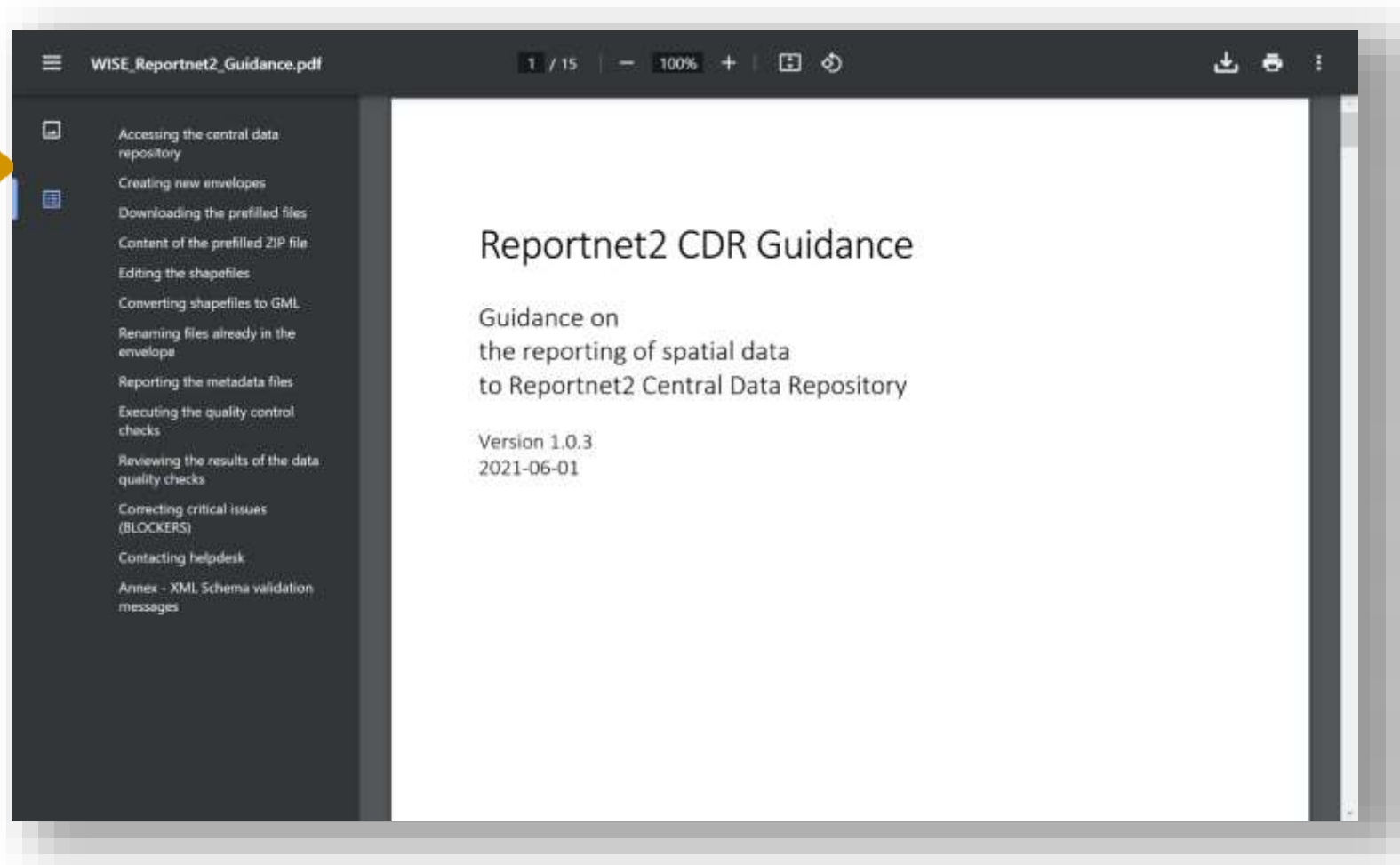
Spatial model quick reference

INSPIRE theme	INSPIRE element	#	WISE GML data element	Monitoring plan	River Basin District	Sub-basin	Surface Water Body	Surface Water Body use	Ground Water Body	Protected Area	Protected Area use	Protected Area point	Ground Water Body use	Surface Water Body use	Shapefile field name	
AM EF	geometry	1	geometry	AM	EF	AM	EF	AM	EF	AM	EF	AM	EF	AM	EF	shape
AM EF	inspireid	2	inspireid	AM	EF	AM	EF	AM	EF	AM	EF	AM	EF	AM	EF	localid
AM EF	inspireid	3	inspireid	AM	EF	AM	EF	AM	EF	AM	EF	AM	EF	AM	EF	namespace
AM EF	inspireid	4	inspireid	AM	EF	AM	EF	AM	EF	AM	EF	AM	EF	AM	EF	versionid
AM	thematicid	5	thematicid	AM		AM		AM		AM		AM		AM		thematicid
AM	thematicid	6	thematicid	AM		AM		AM		AM		AM		AM		thematicid
(from WFD)	hydroid	7	hydroid													hydroid
(from WFD)	hydroid	8	hydroid													hydroid

Reportnet guidance

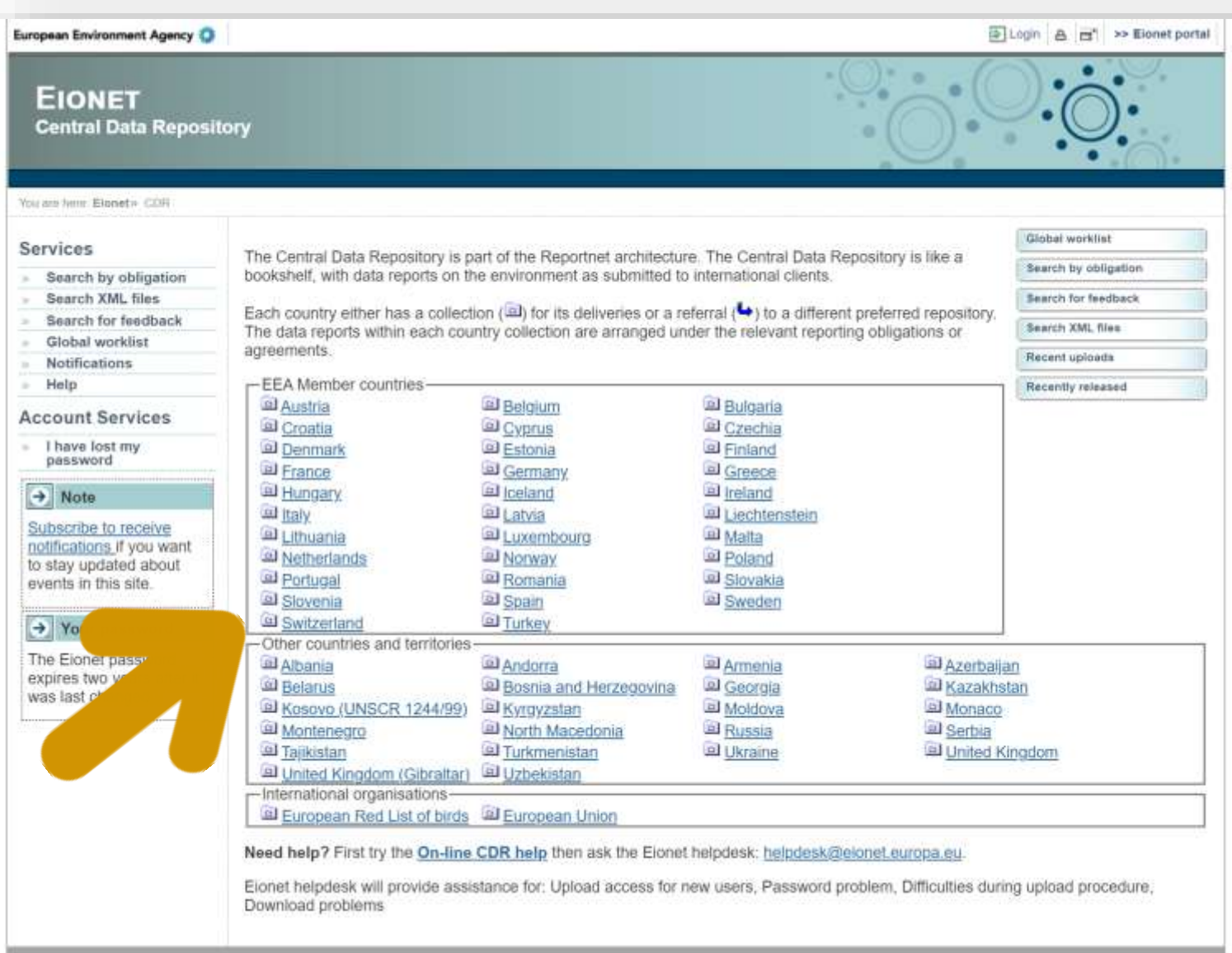
- The reporting process is described in the [Reportnet2 CDR Guidance](https://cdr.eionet.europa.eu/help/WFD/WFD_780_2022/GISGuidance/WISE_Reportnet2_Guidance.pdf).

We'll follow these steps



Select your country collection

3



The screenshot shows the EIONET Central Data Repository website. A large orange arrow points to the 'EEA Member countries' section, which lists various countries with a small icon next to each name. The list is organized into three columns. Below this, there is a section for 'Other countries and territories' and a section for 'International organisations'. The website also features a sidebar with 'Services' and 'Account Services' on the left, and a 'Global worklist' section on the right. The top of the page includes the European Environment Agency logo and navigation links.

European Environment Agency

Login

Eionet portal

EIONET

Central Data Repository

You are here: Eionet » CDR

Services

- Search by obligation
- Search XML files
- Search for feedback
- Global worklist
- Notifications
- Help

Account Services

- I have lost my password

Note

Subscribe to receive notifications if you want to stay updated about events in this site.

EEA Member countries

Austria	Belgium	Bulgaria
Croatia	Cyprus	Czechia
Denmark	Estonia	Finland
France	Germany	Greece
Hungary	Iceland	Ireland
Italy	Latvia	Liechtenstein
Lithuania	Luxembourg	Malta
Netherlands	Norway	Poland
Portugal	Romania	Slovakia
Slovenia	Spain	Sweden
Switzerland	Turkey	

Other countries and territories

Albania	Andorra	Armenia	Azerbaijan
Belarus	Bosnia and Herzegovina	Georgia	Kazakhstan
Kosovo (UNSCR 1244/99)	Kyrgyzstan	Moldova	Monaco
Montenegro	North Macedonia	Russia	Serbia
Tajikistan	Turkmenistan	Ukraine	United Kingdom
United Kingdom (Gibraltar)	Uzbekistan		

International organisations

European Red List of birds	European Union
--	--------------------------------

Global worklist

- Search by obligation
- Search for feedback
- Search XML files
- Recent uploads
- Recently released

Need help? First try the [On-line CDR help](#) then ask the Eionet helpdesk: helpdesk@eionet.europa.eu.

Eionet helpdesk will provide assistance for: Upload access for new users, Password problem, Difficulties during upload procedure, Download problems

Navigate to the correct folder

3

The screenshot shows the EIONET Central Data Repository interface. At the top, the European Environment Agency logo is on the left, and a 'Logout (nerifern)' link and '>> Eionet portal' link are on the right. The main header area displays 'EIONET Central Data Repository' with a decorative background of circles. Below the header, a breadcrumb trail reads 'You are here: Eionet > CDR > Switzerland'. On the left side, there is a 'Services' menu with links like 'Search by obligation', 'Search XML files', 'Search for feedback', 'Global worklist', 'Notifications', 'Help', 'Manage', and 'Administration'. Below this is an 'Account Services' section with a link 'I have lost my password'. The main content area has a tabbed interface with 'Overview', 'Task list', 'Edit properties', and 'List of reporters'. The 'Overview' tab is active, showing the 'Switzerland' section. Under 'Switzerland', there is a 'New referral' and 'New collection' button. Below these are 'Envelopes and subcollections' with a list of links: 'Bern Convention', 'EEA requests', 'European Union (EU) obligations', 'Other conventions and agreements', and 'United Nations (UN)'. A yellow arrow points to the 'EEA requests' link. To the right of this list, a yellow box contains the URL 'https://cdr.eionet.europa.eu/ch/eea/wise_soe/wise5/'. At the bottom right, there are dates: '23 Oct 2019', '28 Jan 2013', and '10 Nov 2016'. At the bottom left of the main content area, there are 'Cut', 'Copy', and 'Delete' buttons.

European Environment Agency

Logout (nerifern) >> Eionet portal

EIONET Central Data Repository

You are here: Eionet > CDR > Switzerland

Services

- » Search by obligation
- » Search XML files
- » Search for feedback
- » Global worklist
- » Notifications
- » Help
- » Manage
- » Administration

Account Services

- » I have lost my password

Switzerland

New referral

New collection

Envelopes and subcollections

- ☐ [Bern Convention](#)
- ☐ [EEA requests](#)
- ☐ [European Union \(EU\) obligations](#)
- ☐ [Other conventions and agreements](#)
- ☐ [United Nations \(UN\)](#)

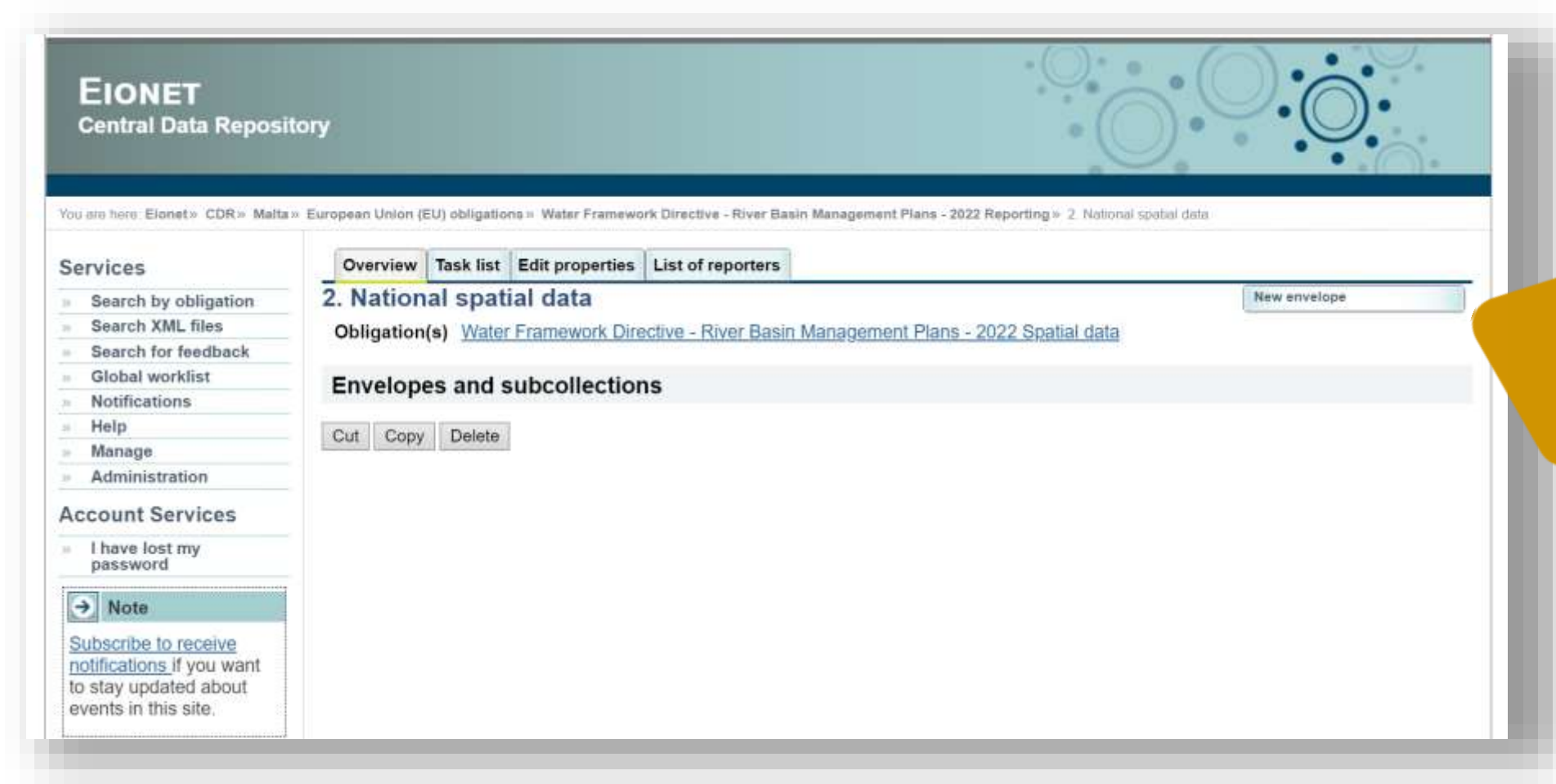
Cut Copy Delete

23 Oct 2019
28 Jan 2013
10 Nov 2016

https://cdr.eionet.europa.eu/ch/eea/wise_soe/wise5/

Create a new envelope

3



The screenshot displays the EIONET Central Data Repository interface. The header shows the EIONET logo and the title 'Central Data Repository'. Below the header, a breadcrumb trail indicates the current location: 'You are here: Eionet » CDR » Malta » European Union (EU) obligations » Water Framework Directive - River Basin Management Plans - 2022 Reporting » 2. National spatial data'. The main content area is divided into a left sidebar and a main panel. The sidebar contains sections for 'Services' (Search by obligation, Search XML files, Search for feedback, Global worklist, Notifications, Help, Manage, Administration) and 'Account Services' (I have lost my password). The main panel has tabs for 'Overview', 'Task list', 'Edit properties', and 'List of reporters'. The 'Overview' tab is active, showing the title '2. National spatial data' and a 'New envelope' button. Below this, the 'Obligation(s)' section lists 'Water Framework Directive - River Basin Management Plans - 2022 Spatial data'. The 'Envelopes and subcollections' section is currently empty, with 'Cut', 'Copy', and 'Delete' buttons visible. A large yellow arrow points to the 'New envelope' button.

EIONET
Central Data Repository

You are here: Eionet » CDR » Malta » European Union (EU) obligations » Water Framework Directive - River Basin Management Plans - 2022 Reporting » 2. National spatial data

Services

- » Search by obligation
- » Search XML files
- » Search for feedback
- » Global worklist
- » Notifications
- » Help
- » Manage
- » Administration

Account Services

- » I have lost my password

2. National spatial data New envelope

Obligation(s) [Water Framework Directive - River Basin Management Plans - 2022 Spatial data](#)

Envelopes and subcollections

Cut Copy Delete

Note

[Subscribe to receive notifications](#) if you want to stay updated about events in this site.

Remember to login first...

Activate the envelope

3

EIONET
Central Data Repository

You are here: Eionet » CDR » Switzerland » EEA, requests » WISE SoE Data Deliveries » Spatial Data (WISE-5) » Test envelope - please ignore

Services

- » Search by obligation
- » Search XML files
- » Search for feedback
- » Global worklist
- » Notifications
- » Help
- » Manage
- » Administration

Account Services

- » I have lost my password

Test envelope - please ignore

Overview Edit properties Manage workflow history History

Description

Obligations [WISE - Spatial Data \(WISE-5\)](#)

Period 2020 - Not applicable

Coverage Switzerland

Status Task(s) waiting to be assigned: [Activate task: Draft](#) (You have to activate this task first before you can upload your files.)

Note

If you want to stay updated about events in this envelope [Subscribe to receive notifications](#) for this country and the current dataflow(s).

Files in this envelope

Remember to release the envelope when you have uploaded all files

Feedback for this envelope

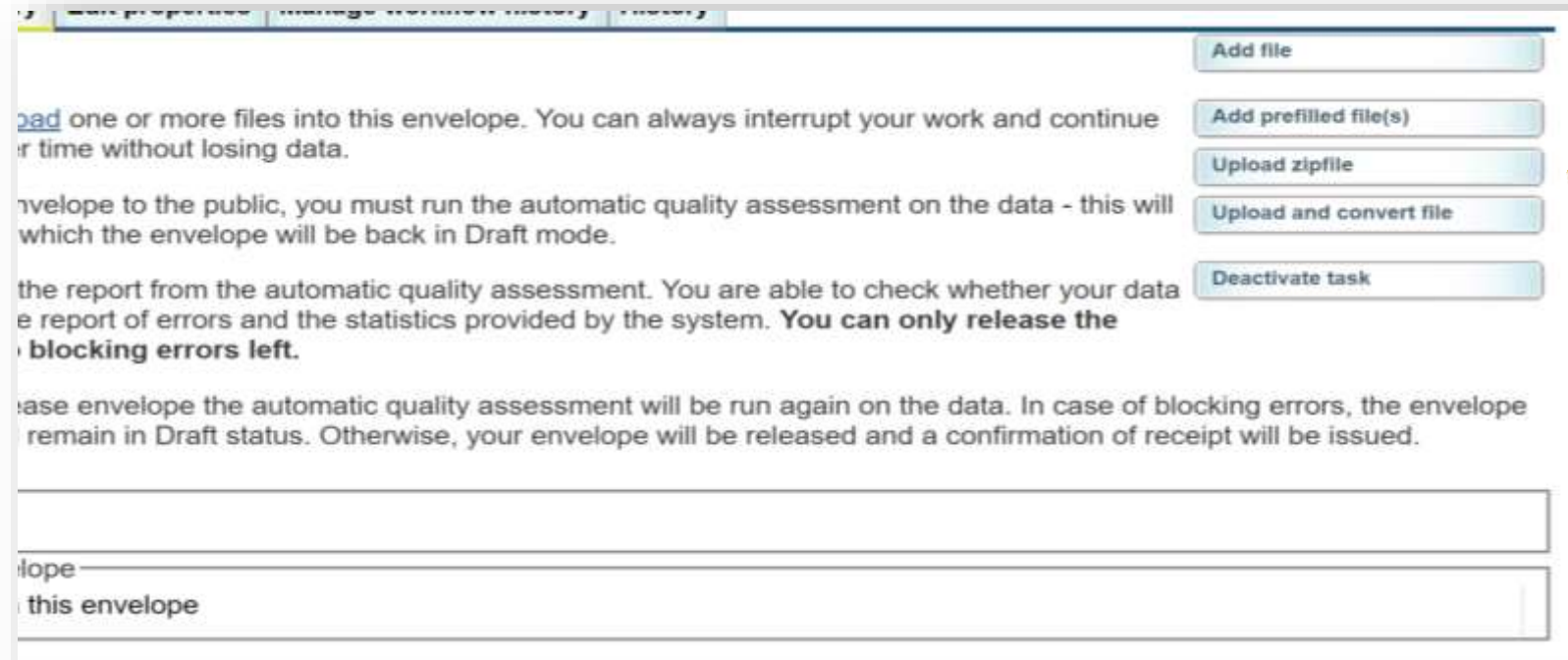
No feedback posted in this envelope

[Zip envelope](#)

[Activate task](#)

Add the prefilled files

This step is only necessary if you want to download a prefilled set of shapefiles, and update the data.



The screenshot shows a web interface with a sidebar on the left containing tabs: 'Envelope properties', 'Manage envelope history', and 'History'. The main content area has a text editor with the following text:

Load one or more files into this envelope. You can always interrupt your work and continue your time without losing data.

To release an envelope to the public, you must run the automatic quality assessment on the data - this will take some time. Once the assessment is complete, the envelope will be back in Draft mode.

View the report from the automatic quality assessment. You are able to check whether your data is correct. The report shows a report of errors and the statistics provided by the system. **You can only release the envelope if there are no blocking errors left.**

When you release an envelope the automatic quality assessment will be run again on the data. In case of blocking errors, the envelope will remain in Draft status. Otherwise, your envelope will be released and a confirmation of receipt will be issued.

Below the text is a large text input field with the placeholder text 'Envelope name' and a smaller text input field with the placeholder text 'Description of this envelope'.

On the right side of the interface, there is a vertical list of buttons:

- Add file
- Add prefilled file(s)
- Upload zipfile
- Upload and convert file
- Deactivate task

A large yellow arrow points to the 'Add prefilled file(s)' button.

If you already have prepared your delivery, you don't need to do this.

You can now download and edit the data

This step is only necessary if you want to start with a prefilled set of shapefiles.

Overview

Edit properties

Manage workflow history

History

Test envelope - please ignore

Description

Obligations

Period

Coverage

Status

WISE - Spatial Data (WISE-5)

2020 - Not applicable

Switzerland

Task(s) waiting to be assigned: [Activate task: Draft](#) (You have to activate this task first before you can upload your files.)

Zip envelope


Activate task

→ Note

If you want to stay updated about events in this envelope [Subscribe to receive notifications](#) for this country and the current dataflow(s).

Files in this envelope

1

 [EIONET-SpatialData_CH.zip](#)

14 Jun 2021

10.9 MB



Click the file link

If you already have prepared your delivery, you don't need to do this.

The ZIP file contains different folders

Archive:	/tmp/tmpTwlWMq		
Length	Date	Time	Name

5	05-31-2021	12:41	MonitoringSite/MonitoringSite.cpg
1381409	05-31-2021	12:41	MonitoringSite/MonitoringSite.dbf
168	05-31-2021	12:41	MonitoringSite/MonitoringSite.prj
3124	05-31-2021	12:41	MonitoringSite/MonitoringSite.sbn
356	05-31-2021	12:41	MonitoringSite/MonitoringSite.sbx
18212	05-31-2021	12:41	MonitoringSite/MonitoringSite.shp
2364	05-31-2021	12:41	MonitoringSite/MonitoringSite.shx
5	05-31-2021	12:41	SubUnit/SubUnit.cpg
32883	05-31-2021	12:41	SubUnit/SubUnit.dbf
168	05-31-2021	12:41	SubUnit/SubUnit.prj
180	05-31-2021	12:41	SubUnit/SubUnit.sbn
124	05-31-2021	12:41	SubUnit/SubUnit.sbx
2777032	05-31-2021	12:41	SubUnit/SubUnit.shp
140	05-31-2021	12:41	SubUnit/SubUnit.shx
5	05-31-2021	12:41	SurfaceWaterBody/SurfaceWaterBody.cpg
312057	05-31-2021	12:41	SurfaceWaterBody/SurfaceWaterBody.dbf
168	05-31-2021	12:41	SurfaceWaterBody/SurfaceWaterBody.prj
612	05-31-2021	12:41	SurfaceWaterBody/SurfaceWaterBody.sbn
164	05-31-2021	12:41	SurfaceWaterBody/SurfaceWaterBody.sbx
1190928	05-31-2021	12:41	SurfaceWaterBody/SurfaceWaterBody.shp
492	05-31-2021	12:41	SurfaceWaterBody/SurfaceWaterBody.shx
5	05-31-2021	12:41	GroundWaterBody/GroundWaterBody.cpg
817666	05-31-2021	12:41	GroundWaterBody/GroundWaterBody.dbf
168	05-31-2021	12:41	GroundWaterBody/GroundWaterBody.prj
1436	05-31-2021	12:41	GroundWaterBody/GroundWaterBody.sbn
244	05-31-2021	12:41	GroundWaterBody/GroundWaterBody.sbx
3379092	05-31-2021	12:41	GroundWaterBody/GroundWaterBody.shp
1092	05-31-2021	12:41	GroundWaterBody/GroundWaterBody.shx
5	05-31-2021	12:41	RiverBasinDistrict/RiverBasinDistrict.cpg
30022	05-31-2021	12:41	RiverBasinDistrict/RiverBasinDistrict.dbf
168	05-31-2021	12:41	RiverBasinDistrict/RiverBasinDistrict.prj
180	05-31-2021	12:41	RiverBasinDistrict/RiverBasinDistrict.sbn
124	05-31-2021	12:41	RiverBasinDistrict/RiverBasinDistrict.sbx
2777032	05-31-2021	12:41	RiverBasinDistrict/RiverBasinDistrict.shp
140	05-31-2021	12:41	RiverBasinDistrict/RiverBasinDistrict.shx
5	05-31-2021	12:41	SurfaceWaterBodyLine/SurfaceWaterBodyLine.cpg
2031010	05-31-2021	12:41	SurfaceWaterBodyLine/SurfaceWaterBodyLine.dbf
168	05-31-2021	12:41	SurfaceWaterBodyLine/SurfaceWaterBodyLine.prj
3532	05-31-2021	12:41	SurfaceWaterBodyLine/SurfaceWaterBodyLine.sbn
484	05-31-2021	12:41	SurfaceWaterBodyLine/SurfaceWaterBodyLine.sbx
4733852	05-31-2021	12:41	SurfaceWaterBodyLine/SurfaceWaterBodyLine.shp
2660	05-31-2021	12:41	SurfaceWaterBodyLine/SurfaceWaterBodyLine.shx

19499681	42 files		

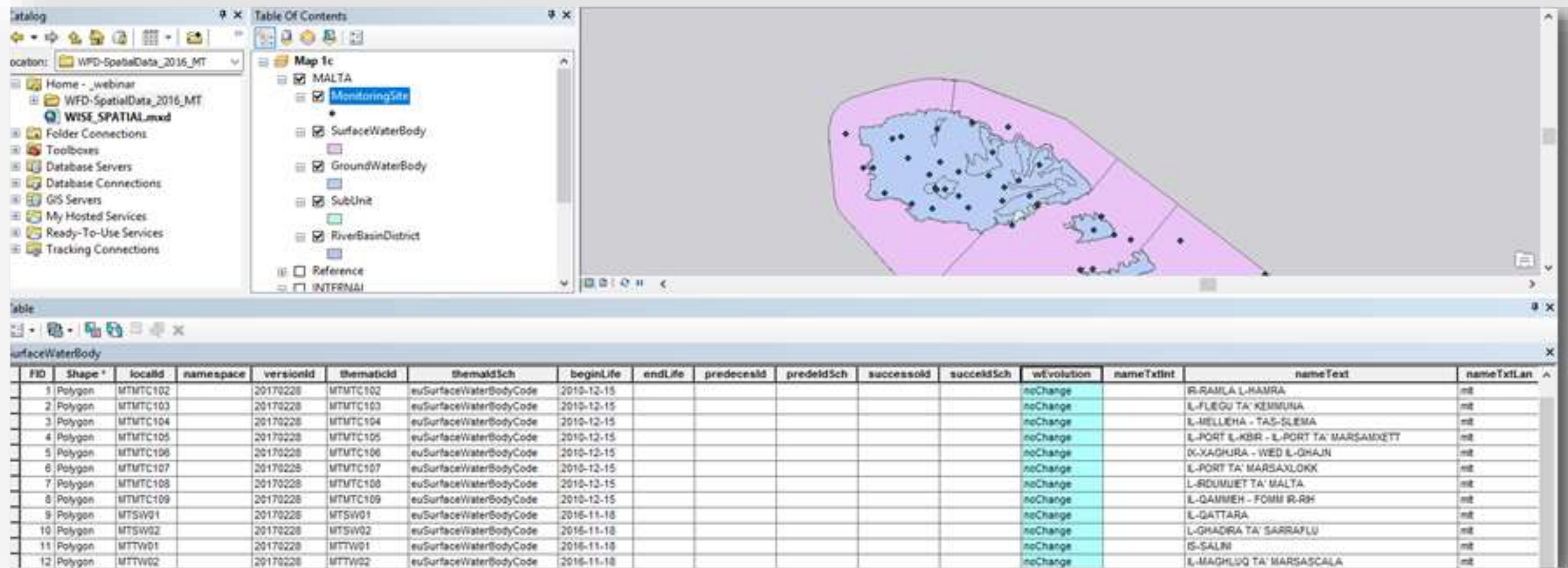
The content of the file depends on the country.
Each shapefile must be in a separate folder.

This step is only necessary
 if you want to start with a prefilled set of shapefiles.

If you already have prepared your delivery,
 you don't need to do this.

You can now edit the shapefiles in your GIS software

3



The screenshot displays a GIS application window. On the left, a 'Catalog' pane shows a project named 'WFD-SpatialData_2016_MT'. The 'Table Of Contents' pane on the right lists layers for 'Map 1c', including 'MALTA', 'MonitoringSite', 'SurfaceWaterBody', 'GroundWaterBody', 'SubUnit', and 'RiverBasinDistrict'. The main map area shows a map of Malta with a pink overlay and black dots representing monitoring sites. Below the map, a 'Table' pane displays a data table for 'surfaceWaterBody'.

FID	Shape *	localId	namespace	versionId	thematicId	thematicSch	beginLife	endLife	predecessId	predecessSch	successId	successSch	WEvolution	nameTxtInt	nameText	nameTxtLang
1	Polygon	MTMTC102		20170228	MTMTC102	euSurfaceWaterBodyCode	2010-12-15						noChange		R-RAMLA L-HAMRA	mt
2	Polygon	MTMTC103		20170228	MTMTC103	euSurfaceWaterBodyCode	2010-12-15						noChange		L-FLEGU TA' KEMMUNA	mt
3	Polygon	MTMTC104		20170228	MTMTC104	euSurfaceWaterBodyCode	2010-12-15						noChange		L-MELLEHA - TAS-SLEMA	mt
4	Polygon	MTMTC105		20170228	MTMTC105	euSurfaceWaterBodyCode	2010-12-15						noChange		L-PORT L-KBR - L-PORT TA' MARSAMXETT	mt
5	Polygon	MTMTC106		20170228	MTMTC106	euSurfaceWaterBodyCode	2010-12-15						noChange		O-XAGHURA - WIED L-GHAJN	mt
6	Polygon	MTMTC107		20170228	MTMTC107	euSurfaceWaterBodyCode	2010-12-15						noChange		L-PORT TA' MARSAXLOKK	mt
7	Polygon	MTMTC108		20170228	MTMTC108	euSurfaceWaterBodyCode	2010-12-15						noChange		L-RDUMUET TA' MALTA	mt
8	Polygon	MTMTC109		20170228	MTMTC109	euSurfaceWaterBodyCode	2010-12-15						noChange		L-QAMMEH - FOMI R-RH	mt
9	Polygon	MTSW01		20170228	MTSW01	euSurfaceWaterBodyCode	2016-11-18						noChange		L-QATTARA	mt
10	Polygon	MTSW02		20170228	MTSW02	euSurfaceWaterBodyCode	2016-11-18						noChange		L-QHADRA TA' SARRAFU	mt
11	Polygon	MTTW01		20170228	MTTW01	euSurfaceWaterBodyCode	2016-11-18						noChange		IS-SALNI	mt
12	Polygon	MTTW02		20170228	MTTW02	euSurfaceWaterBodyCode	2016-11-18						noChange		L-MAGHLUQ TA' MARSASCALA	mt

The prefilled files ...

3

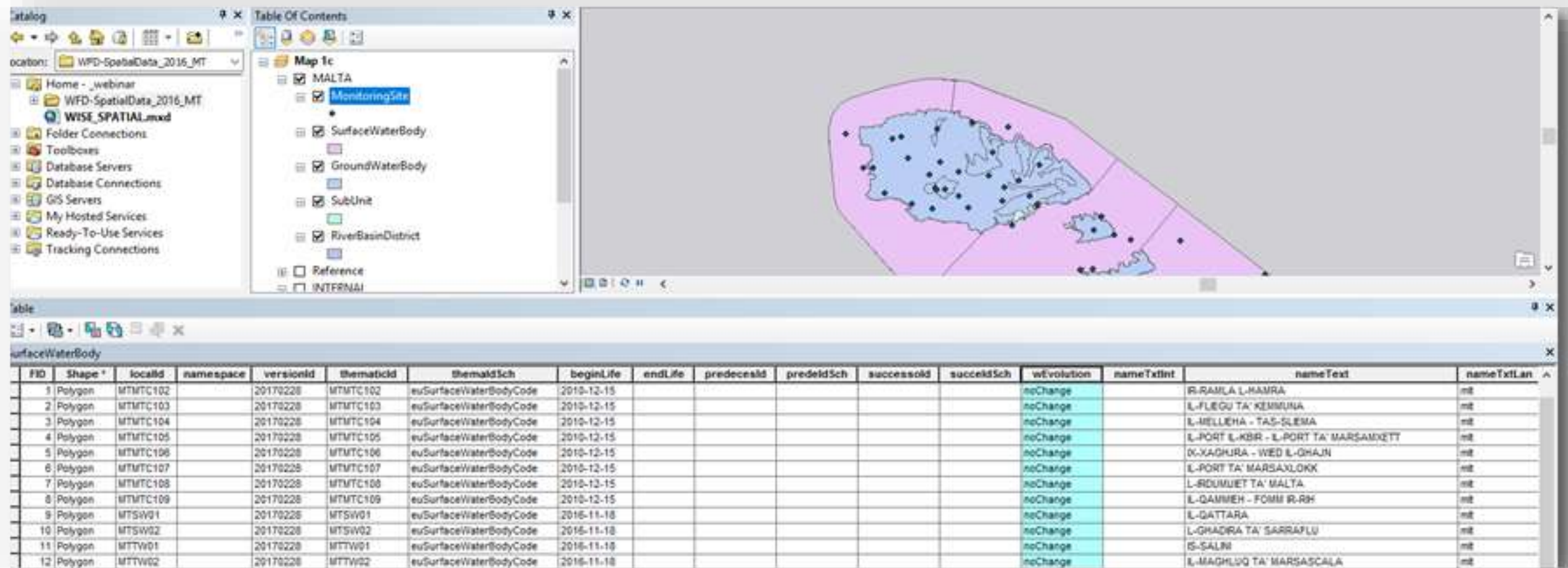


Table of Contents:

- Map 1c
 - MALTA
 - MonitoringSite**
 - SurfaceWaterBody
 - GroundWaterBody
 - SubUnit
 - RiverBasinDistrict

Table: surfaceWaterBody

FID	Shape *	localId	namespace	versionId	thematicId	thematisSch	beginLife	endLife	predecessId	predecessSch	successId	successSch	wiseEvolution	nameTextInt	nameText	nameTextLang
1	Polygon	MTMTC102		20170228	MTMTC102	euSurfaceWaterBodyCode	2010-12-15						noChange		R-RAJLA L-HAMRA	mt
2	Polygon	MTMTC103		20170228	MTMTC103	euSurfaceWaterBodyCode	2010-12-15						noChange		L-FLEGU TA' KEMMUNA	mt
3	Polygon	MTMTC104		20170228	MTMTC104	euSurfaceWaterBodyCode	2010-12-15						noChange		L-MELLEHA - TAS-SLEMA	mt
4	Polygon	MTMTC105		20170228	MTMTC105	euSurfaceWaterBodyCode	2010-12-15						noChange		L-PORT L-KBR - L-PORT TA' MARSAMXETT	mt
5	Polygon	MTMTC106		20170228	MTMTC106	euSurfaceWaterBodyCode	2010-12-15						noChange		O-XAGHURA - WIED L-GHAJN	mt
6	Polygon	MTMTC107		20170228	MTMTC107	euSurfaceWaterBodyCode	2010-12-15						noChange		L-PORT TA' MARSAXLOKK	mt
7	Polygon	MTMTC108		20170228	MTMTC108	euSurfaceWaterBodyCode	2010-12-15						noChange		L-RDUMUET TA' MALTA	mt
8	Polygon	MTMTC109		20170228	MTMTC109	euSurfaceWaterBodyCode	2010-12-15						noChange		L-QAMMEH - FOMI R-RH	mt
9	Polygon	MTSW01		20170228	MTSW01	euSurfaceWaterBodyCode	2016-11-18						noChange		L-QATTARA	mt
10	Polygon	MTSW02		20170228	MTSW02	euSurfaceWaterBodyCode	2016-11-18						noChange		L-QHADRA TA' SARRAFU	mt
11	Polygon	MTTW01		20170228	MTTW01	euSurfaceWaterBodyCode	2016-11-18						noChange		IS-SALNI	mt
12	Polygon	MTTW02		20170228	MTTW02	euSurfaceWaterBodyCode	2016-11-18						noChange		L-MAGHLUQ TA' MARSASCALA	mt



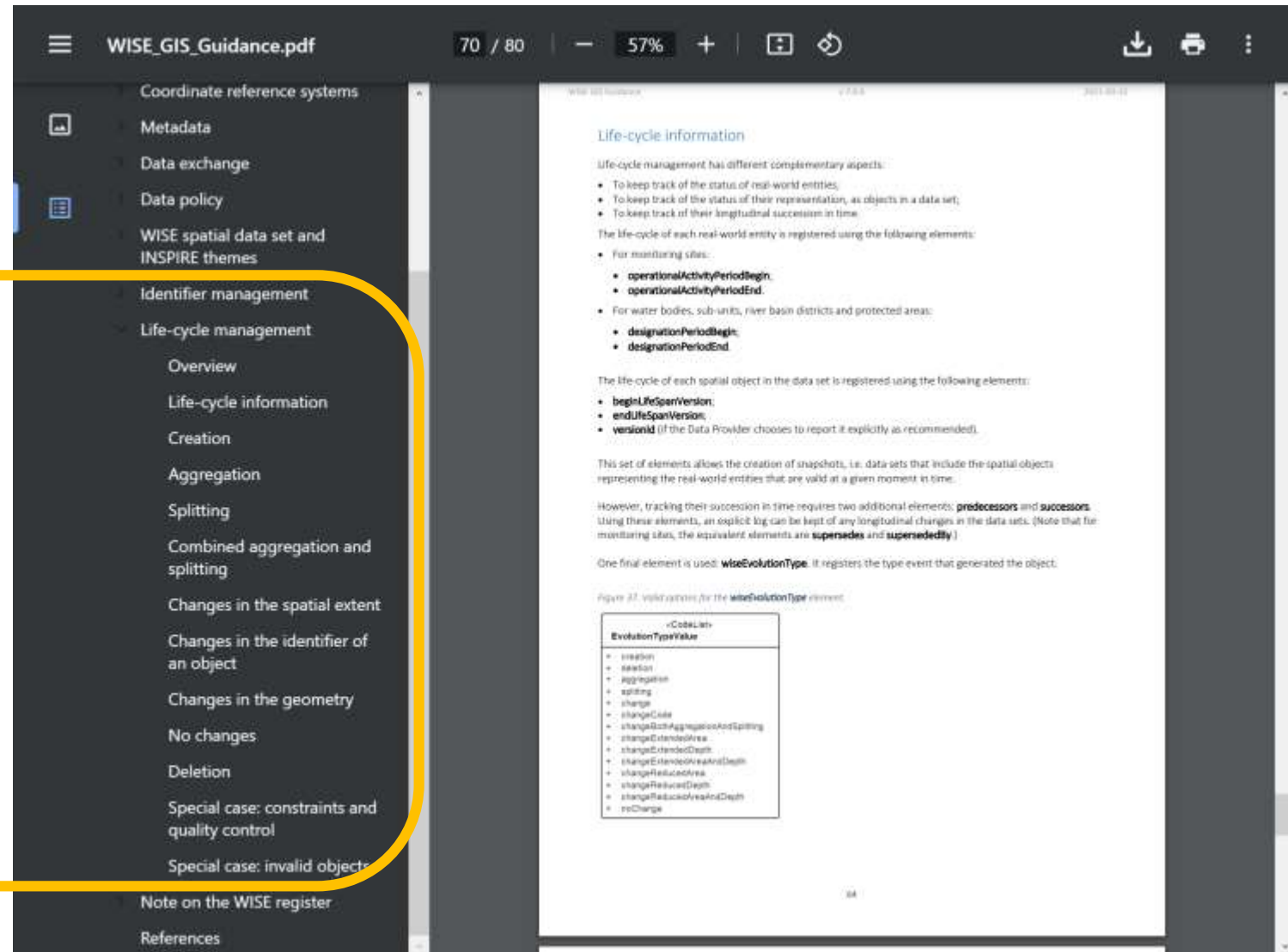
Just fill in the **inspireIdNamespace** and **nameTextInternational** (if they are missing), and set **wiseEvolutionType** = 'noChange'

If you need to add, remove or change records...

Please refer to the chapter about **life-cycle management** in the WISE GIS Guidance.

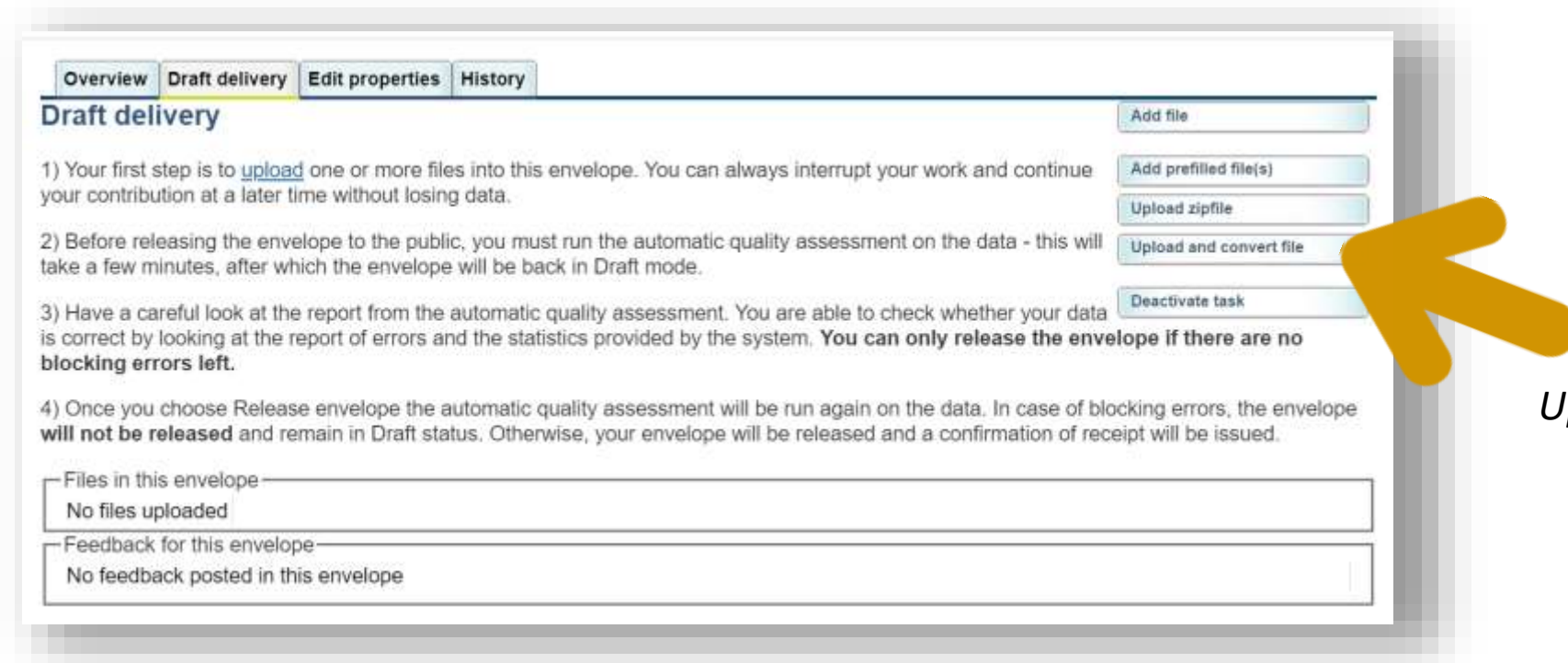
It contains examples for all the possible cases.

Contact
wfd.helpdesk@eionet.europa.eu
if you need further clarifications.



Uploading and converting the updated ZIP file

3



The screenshot shows a web interface with a tabbed menu at the top: 'Overview', 'Draft delivery' (highlighted), 'Edit properties', and 'History'. Below the tabs, the 'Draft delivery' section contains four numbered instructions:

- 1) Your first step is to upload one or more files into this envelope. You can always interrupt your work and continue your contribution at a later time without losing data.
- 2) Before releasing the envelope to the public, you must run the automatic quality assessment on the data - this will take a few minutes, after which the envelope will be back in Draft mode.
- 3) Have a careful look at the report from the automatic quality assessment. You are able to check whether your data is correct by looking at the report of errors and the statistics provided by the system. **You can only release the envelope if there are no blocking errors left.**
- 4) Once you choose Release envelope the automatic quality assessment will be run again on the data. In case of blocking errors, the envelope **will not be released** and remain in Draft status. Otherwise, your envelope will be released and a confirmation of receipt will be issued.

On the right side of the interface, there is a vertical list of buttons: 'Add file', 'Add prefilled file(s)', 'Upload zipfile', 'Upload and convert file', and 'Deactivate task'. A large yellow arrow points from the right towards the 'Upload and convert file' button. Below the instructions, there are two text boxes: 'Files in this envelope' (containing 'No files uploaded') and 'Feedback for this envelope' (containing 'No feedback posted in this envelope').

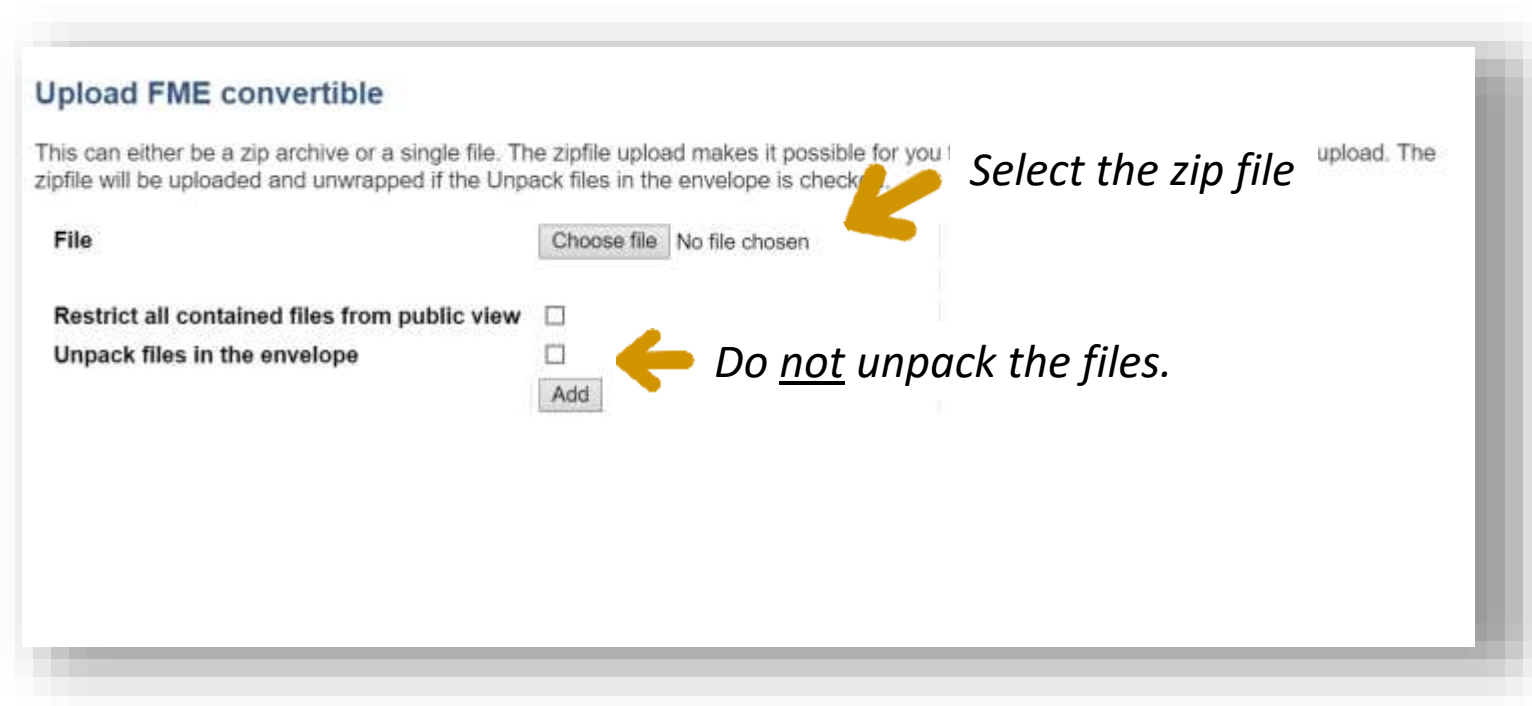
Upload and convert

This step is only necessary if you want to convert a zipped set of shapefiles.

If you already have GML files, you don't need to do this.

Uploading and converting the updated ZIP file

3



Upload FME convertible

This can either be a zip archive or a single file. The zipfile upload makes it possible for you to upload a single file. The zipfile will be uploaded and unwrapped if the Unpack files in the envelope is checked.

File No file chosen

Restrict all contained files from public view ☐

Unpack files in the envelope ☐

Select the zip file (arrow pointing to 'Choose file')

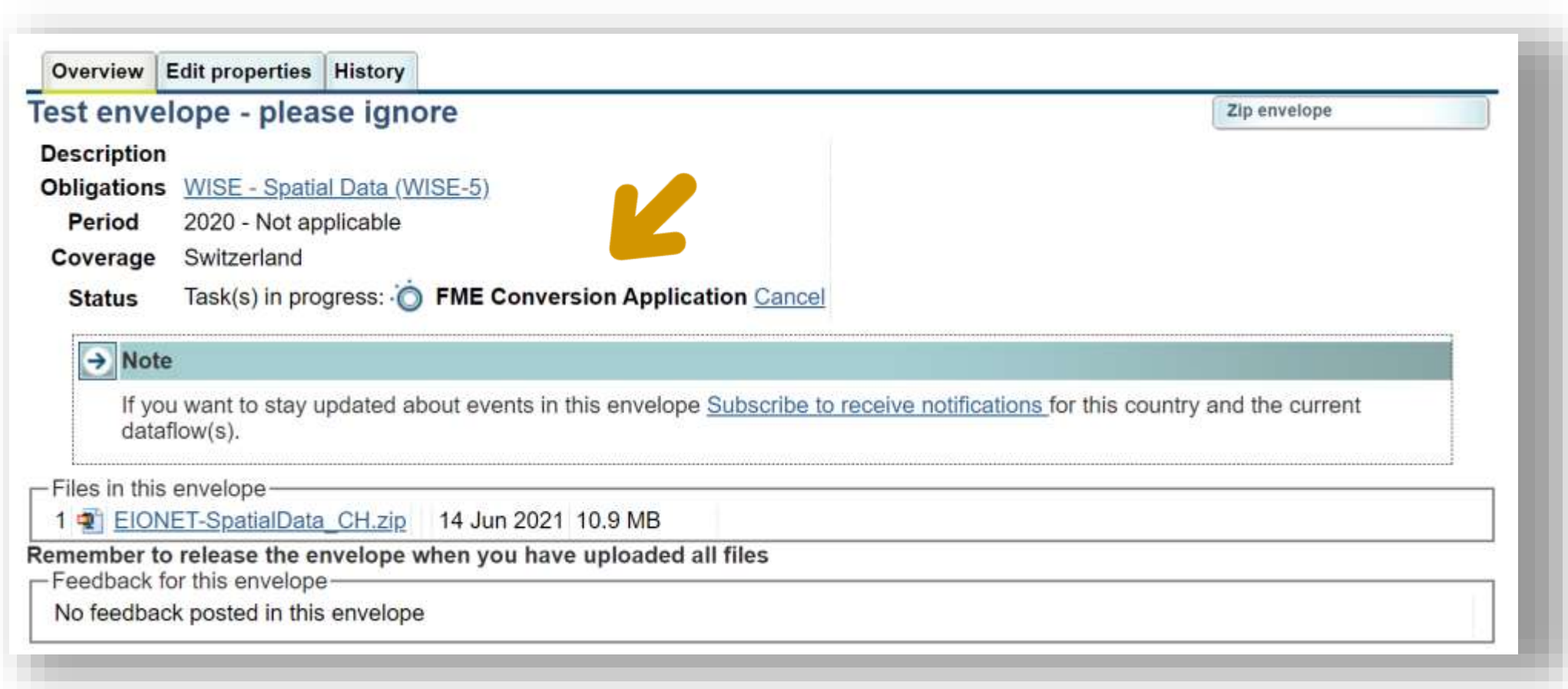
Do not unpack the files. (arrow pointing to 'Unpack files in the envelope' checkbox)

This step is only necessary if you want to convert a zipped set of shapefiles.

If you already have GML files, you don't need to do this.

Wait for the conversion process to finish...

3



The screenshot shows a web interface for managing a 'Test envelope'. At the top, there are tabs for 'Overview' (selected), 'Edit properties', and 'History'. The title is 'Test envelope - please ignore'. On the right, there is a 'Zip envelope' button. The 'Description' section includes 'Obligations' (linked to 'WISE - Spatial Data (WISE-5)'), 'Period' (2020 - Not applicable), 'Coverage' (Switzerland), and 'Status' (Task(s) in progress: FME Conversion Application with a 'Cancel' link). A large yellow arrow points to the 'Status' section. Below this is a 'Note' box with a right-pointing arrow icon and text: 'If you want to stay updated about events in this envelope [Subscribe to receive notifications](#) for this country and the current dataflow(s)'. Underneath is a 'Files in this envelope' section showing one file: 'EIONET-SpatialData_CH.zip' (14 Jun 2021, 10.9 MB). At the bottom, there is a reminder to 'Remember to release the envelope when you have uploaded all files' and a 'Feedback for this envelope' section stating 'No feedback posted in this envelope'.

Overview Edit properties History


Test envelope - please ignore Zip envelope


Description

Obligations [WISE - Spatial Data \(WISE-5\)](#)

Period 2020 - Not applicable


Coverage Switzerland

Status Task(s) in progress:  **FME Conversion Application** [Cancel](#)

 **Note**

If you want to stay updated about events in this envelope [Subscribe to receive notifications](#) for this country and the current dataflow(s).

Files in this envelope

1	 EIONET-SpatialData_CH.zip	14 Jun 2021	10.9 MB
---	---	-------------	---------

Remember to release the envelope when you have uploaded all files

Feedback for this envelope

No feedback posted in this envelope

This step is only necessary if you want to convert a zipped set of shapefiles.

If you already have GML files, you don't need to do this.

The GML files are added to the envelope...

3

The screenshot shows a web interface for managing a 'Draft delivery'. At the top, there are tabs: 'Overview', 'Draft delivery' (selected), 'Edit properties', 'History', and 'Data quality'. Below the tabs, the 'Draft delivery' section contains four numbered instructions and a list of files in the envelope.

Instructions:

- 1) Your first step is to [upload](#) one or more files into this envelope. You can always interrupt your work and continue your contribution at a later time without losing data.
- 2) Before releasing the envelope to the public, you must [run the automatic quality assessment on the data](#) - this will take a few minutes, after which the envelope will be back in Draft mode.
- 3) Have a careful look at the report from the automatic quality assessment. You are able to check whether your data is correct by looking at the report of errors and the statistics provided by the system. **You can only release the envelope if there are no blocking errors left.**
- 4) Once you choose Release envelope the automatic quality assessment will be run again on the data. In case of blocking errors, the envelope **will not be released** and remain in Draft status. Otherwise, your envelope will be released and a confirmation of receipt will be issued.

Files in this envelope:

File Name	Original Name	Date	Size	Run QA #1	Run QA #2
<input type="checkbox"/> EIONET-SpatialData_CH.zip		14 Jun 2021	10.9 MB		
<input type="checkbox"/> GroundWaterBody.gml	GroundWaterBody.gml	14 Jun 2021	7.61 MB	Run QA #1	Run QA #2
<input type="checkbox"/> MonitoringSite.gml	MonitoringSite.gml	14 Jun 2021	562 KB	Run QA #1	Run QA #2
<input type="checkbox"/> RiverBasinDistrict.gml	RiverBasinDistrict.gml	14 Jun 2021	6.01 MB	Run QA #1	Run QA #2
<input type="checkbox"/> SubUnit.gml	SubUnit.gml	14 Jun 2021	6.01 MB	Run QA #1	Run QA #2
<input type="checkbox"/> SurfaceWaterBody.gml	SurfaceWaterBody.gml	14 Jun 2021	2.67 MB	Run QA #1	Run QA #2
<input type="checkbox"/> SurfaceWaterBodyLine.gml	SurfaceWaterBodyLine.gml	14 Jun 2021	10.8 MB	Run QA #1	n/a

Below the file list, there are buttons: 'Rename', 'Cut', 'Copy', and 'Delete'.

Feedback for this envelope:

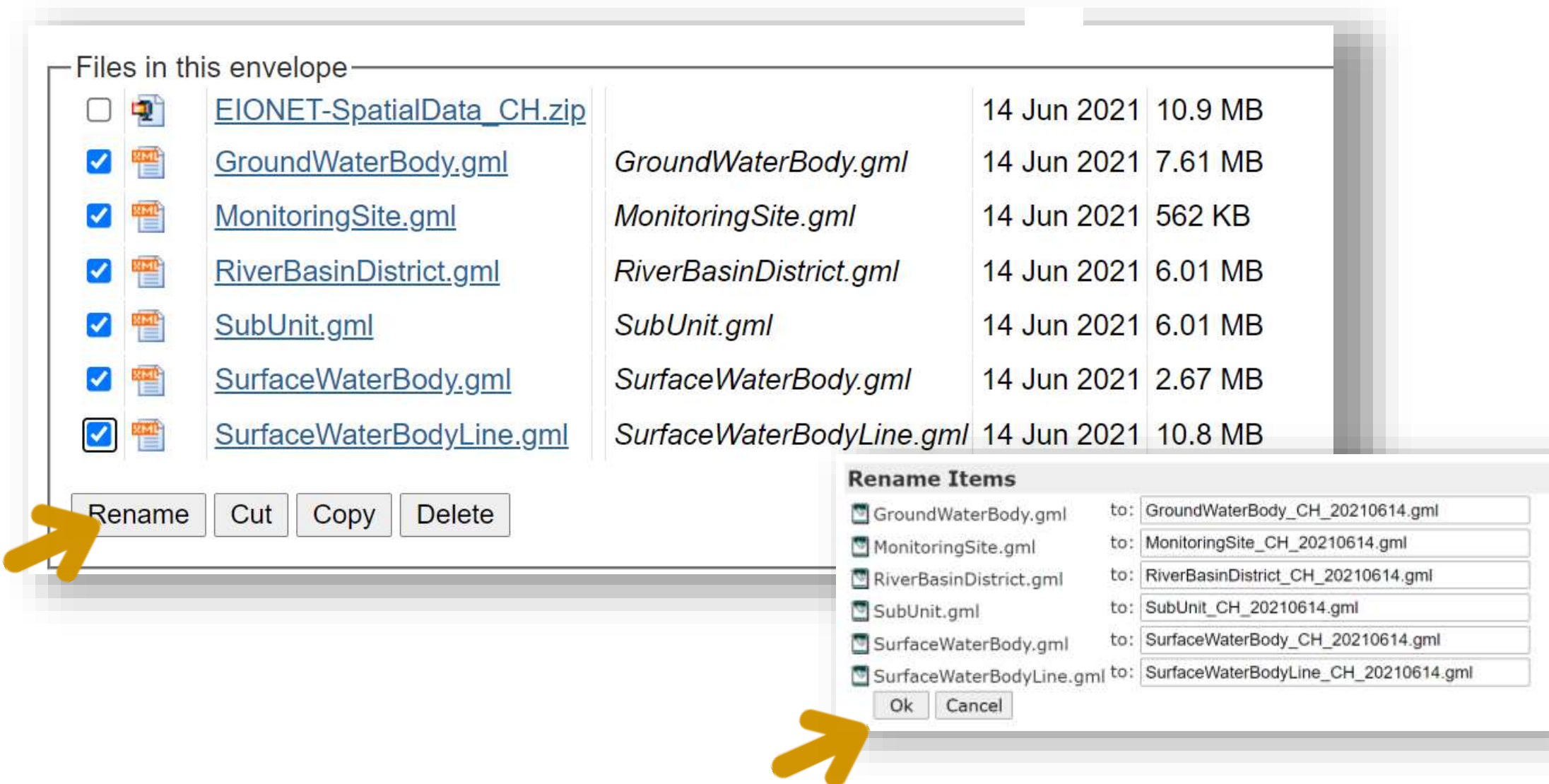
[FMEConversion results](#) (Posted automatically on 14 Jun 2021)

This step is only necessary if you want to convert a zipped set of shapefiles.








If you already have GML files, you don't need to do this.

You may now rename files if necessary...







3



The screenshot displays a file management window titled "Files in this envelope". It contains a list of files with checkboxes, file icons, names, and details. A yellow arrow points to the "Rename" button at the bottom left. Overlaid on the bottom right is a "Rename Items" dialog box, also with a yellow arrow pointing to it. The dialog lists the selected files and their new names, which all follow the pattern of adding "_CH_20210614.gml" to the end of the original filename.

Files in this envelope			
<input type="checkbox"/>		EIONET-SpatialData_CH.zip	14 Jun 2021 10.9 MB
<input checked="" type="checkbox"/>		GroundWaterBody.gml	GroundWaterBody.gml 14 Jun 2021 7.61 MB
<input checked="" type="checkbox"/>		MonitoringSite.gml	MonitoringSite.gml 14 Jun 2021 562 KB
<input checked="" type="checkbox"/>		RiverBasinDistrict.gml	RiverBasinDistrict.gml 14 Jun 2021 6.01 MB
<input checked="" type="checkbox"/>		SubUnit.gml	SubUnit.gml 14 Jun 2021 6.01 MB
<input checked="" type="checkbox"/>		SurfaceWaterBody.gml	SurfaceWaterBody.gml 14 Jun 2021 2.67 MB
<input checked="" type="checkbox"/>		SurfaceWaterBodyLine.gml	SurfaceWaterBodyLine.gml 14 Jun 2021 10.8 MB

Rename Items

	GroundWaterBody.gml	to:	GroundWaterBody_CH_20210614.gml
	MonitoringSite.gml	to:	MonitoringSite_CH_20210614.gml
	RiverBasinDistrict.gml	to:	RiverBasinDistrict_CH_20210614.gml
	SubUnit.gml	to:	SubUnit_CH_20210614.gml
	SurfaceWaterBody.gml	to:	SurfaceWaterBody_CH_20210614.gml
	SurfaceWaterBodyLine.gml	to:	SurfaceWaterBodyLine_CH_20210614.gml

You may now run the Quality Control...

3

OverviewDraft deliveryEdit propertiesHistoryData quality

Draft delivery

1) Your first step is to [upload](#) one or more files into this envelope. You can always interrupt your work and continue your contribution at a later time without losing data.

2) Before releasing the envelope to the public, you must [run the automatic quality assessment on the data](#) - this will take a few minutes, after which the envelope will be back in Draft mode.

3) Have a careful look at the report from the automatic quality assessment. You are able to check whether your data is correct by looking at the report of errors and the statistics provided by the system. **You can only release the envelope if there are no blocking errors left.**

4) Once you choose Release envelope the automatic quality assessment will be run again on the data. In case of blocking errors, the envelope **will not be released** and remain in Draft status. Otherwise, your envelope will be released and a confirmation of receipt will be issued.

Add file

Upload zipfile

Upload and convert file

Run automatic QA

Deactivate task

Files in this envelope

<input type="checkbox"/>		EIONET-SpatialData_CH.zip		14 Jun 2021	10.9 MB	
<input type="checkbox"/>		GroundWaterBody_CH_20210614.gml	GroundWaterBody.gml	14 Jun 2021	7.61 MB	<div>Run QA #1Run QA #2</div>
<input type="checkbox"/>		MonitoringSite_CH_20210614.gml	MonitoringSite.gml	14 Jun 2021	562 KB	<div>Run QA #1Run QA #2</div>
<input type="checkbox"/>		RiverBasinDistrict_CH_20210614.gml	RiverBasinDistrict.gml	14 Jun 2021	6.01 MB	<div>Run QA #1Run QA #2</div>
<input type="checkbox"/>		SubUnit_CH_20210614.gml	SubUnit.gml	14 Jun 2021	6.01 MB	<div>Run QA #1Run QA #2</div>
<input type="checkbox"/>		SurfaceWaterBodyLine_CH_20210614.gml	SurfaceWaterBodyLine.gml	14 Jun 2021	10.8 MB	<div>Run QA #1n/a</div>
<input type="checkbox"/>		SurfaceWaterBody_CH_20210614.gml	SurfaceWaterBody.gml	14 Jun 2021	2.67 MB	<div>Run QA #1Run QA #2</div>

Rename

Cut

Copy

Delete

Feedback for this envelope

[FMEConversion results](#) (Posted automatically on 14 Jun 2021)

Start with the XML schema checks.

XML schema validation

3

The structure of the GML file must be correct before it can be imported into the database, and additional validations can be run.

QA result for file GroundWaterBody_CH_20210614.gml

[Go back to envelope](#)

XML Schema validation

OK XML Schema validation passed without errors.

The file was validated against
http://dd.eionet.europa.eu/schemas/WFD2022/GML_GroundWaterBody_2022.xsd

Tip: This page is only temporary.
The page URL address can not be
used as a reference to the result.

Please use the "*File >> Save As*"
option within your browser to save
the validation results.

Correcting XML schema errors

If you used the prefilled shapefiles and the CDR conversion process, any schema errors are likely due to missing values.

QA result for file

[Go back to envelope](#)

XML Schema validation

BLOCKER The file does not conform to the data model defined in the XML Schema and blocks your submission. The XML Schema data model specifies the element names, document structure and data types.

The file was validated against

http://dd.eionet.europa.eu/schemas/WFD2022/GML_RiverBasinDistrict_2022.xsd

Tip: This page is only temporary. The page URL address can not be used as a reference to the result.

Please use the "File >> Save As" option within your browser to save the validation results.

The following table lists the contradictions in document structure, elements using wrong data types or missing mandatory values.

Type	Position	Error message
ERROR	Line: 15, Col: 37	cvc-pattern-valid: Value " is not facet-valid with respect to pattern '(\p{L})[0-9]){1}.{0,253}' for type 'String254LeadingLetterOrNum'.
ERROR	Line: 15, Col: 37	cvc-type.3.1.3: The value " of element 'wfdgml:inspireIdNamespace' is not valid.
ERROR	Line: 47, Col: 37	cvc-pattern-valid: Value " is not facet-valid with respect to pattern '(\p{L})[0-9]){1}.{0,253}' for type 'String254LeadingLetterOrNum'.
ERROR	Line: 47, Col: 37	cvc-type.3.1.3: The value " of element 'wfdgml:inspireIdNamespace' is not valid.
ERROR	Line: 79, Col: 37	cvc-pattern-valid: Value " is not facet-valid with respect to pattern '(\p{L})[0-9]){1}.{0,253}' for type 'String254LeadingLetterOrNum'.
ERROR	Line: 79, Col: 37	cvc-type.3.1.3: The value " of element 'wfdgml:inspireIdNamespace' is not valid.

Correcting XML schema errors

The Reportnet guidance contains an annex with the list of the most important errors.

Correct those first.

Error messages



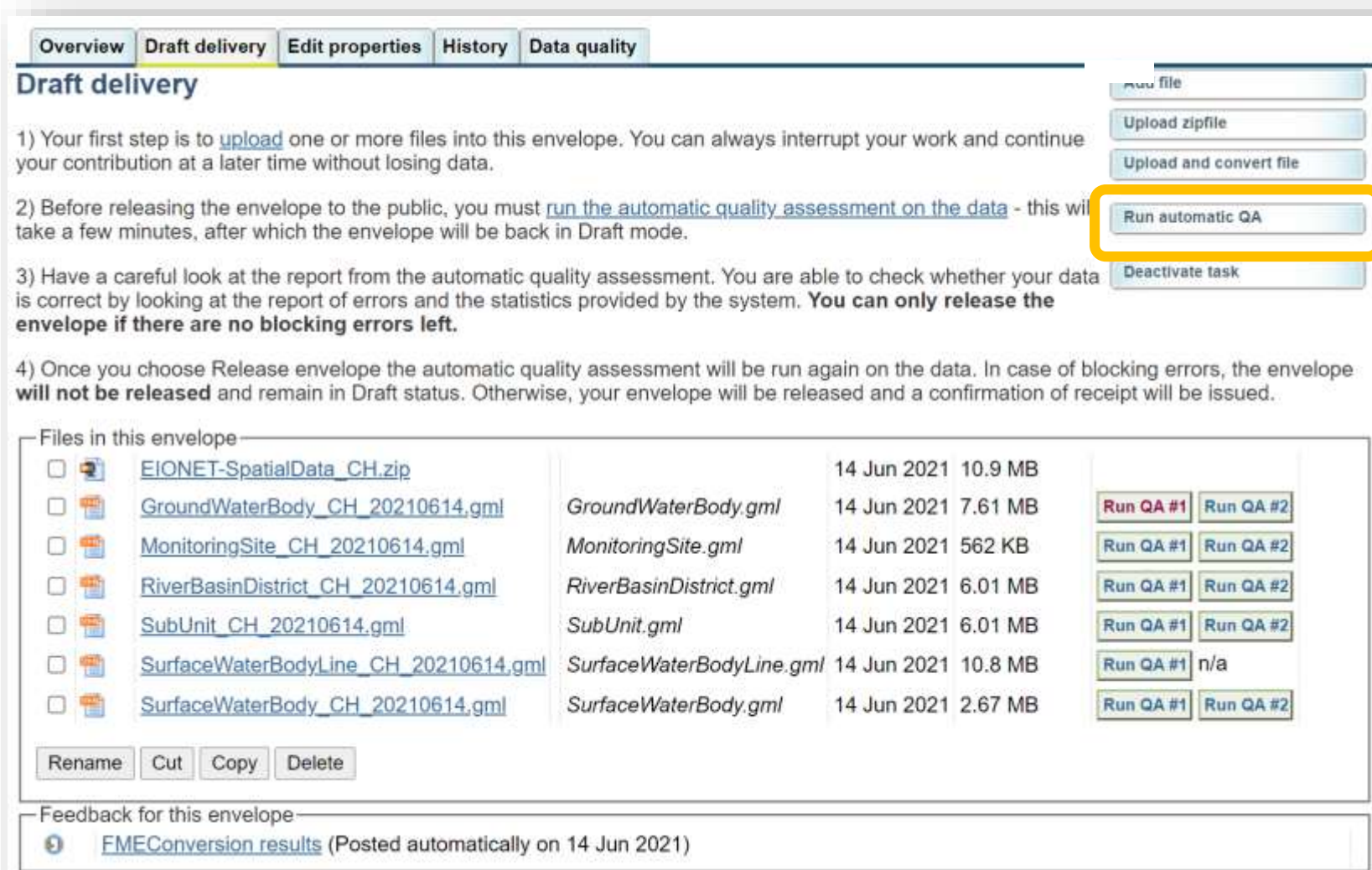
WISE_Reportnet2_Guidance.pdf 13 / 15 76%

Annex - XML Schema validation messages

Schema validation message	Issue description
cc-type:3.1.3: The value of element 'wfdgm:inspireid:localid' is not valid.	The inspireid:localid value must be a non-empty string with less than 255 characters.
cc-type:3.1.3: The value of element 'wfdgm:inspireid:namespace' is not valid.	The inspireid:namespace value must be a non-empty string with less than 255 characters.
cc-type:3.1.3: The value of element 'wfdgm:inspireid:versionid' is not valid.	The inspireid:versionid value must be a non-empty string with less than 25 characters.
cc-type:3.1.3: The value of element 'wfdgm:thematicid:identifier' is not valid.	The thematicid:identifier value must be a string starting with the 2-letter country code. Upper case letters (A to Z) and digits (0 to 9) are allowed in the remaining part (the hyphen and the underscore can be used as non-consecutive separators).
cc-type:3.1.3: The value of element 'wfdgm:thematicid:identifierScheme' is not valid.	The thematicid:identifierScheme value is not valid (see http://cdr.eionet.europa.eu/vocabulary/wise/IdentifierScheme).
cc-type:3.1.3: The value of element 'wfdgm:hydroid:localid' is not valid.	The hydroid:localid value must be a non-empty string with less than 255 characters.
cc-type:3.1.3: The value of element 'wfdgm:hydroid:namespace' is not valid.	The hydroid:namespace value must be a non-empty string with less than 255 characters.
cc-type:3.1.3: The value of element 'wfdgm:begin:respansionVersion' is not valid.	The begin:respansionVersion value must be a valid date in the ISO 8601 extended format value (e.g. YYYY-MM, YYYY-MM-DD).
cc-type:3.1.3: The value of element 'wfdgm:end:respansionVersion' is not valid.	The end:respansionVersion value must be a valid date in the ISO 8601 extended format value (e.g. YYYY-MM, YYYY-MM-DD).
cc-type:3.1.3: The value of element 'wfdgm:predecessorid:identifier' is not valid.	The predecessorid:identifier value must be a string starting with the 2-letter country code. Upper case letters (A to Z) and digits (0 to 9) are allowed in the remaining part (the hyphen and the underscore can be used as non-consecutive separators).
cc-type:3.1.3: The value of element 'wfdgm:predecessorid:identifierScheme' is not valid.	The predecessorid:identifierScheme value is not valid (see http://cdr.eionet.europa.eu/vocabulary/wise/IdentifierScheme).
cc-type:3.1.3: The value of element 'wfdgm:successorid:identifier' is not valid.	The successorid:identifier value must be a string starting with the 2-letter country code. Upper case letters (A to Z) and digits (0 to 9) are allowed in the remaining part (the hyphen and the underscore can be used as non-consecutive separators).
cc-type:3.1.3: The value of element 'wfdgm:successorid:identifierScheme' is not valid.	The successorid:identifierScheme value is not valid (see http://cdr.eionet.europa.eu/vocabulary/wise/IdentifierScheme).
cc-type:3.1.3: The value of element 'wfdgm:supersedesid:identifier' is not valid.	The supersedesid:identifier value must be a string starting with the 2-letter country code. Upper case letters (A to Z) and digits (0 to 9) are allowed in the remaining part (the hyphen and the underscore can be used as non-consecutive separators).
cc-type:3.1.3: The value of element 'wfdgm:supersedesid:identifierScheme' is not valid.	The supersedesid:identifierScheme value is not valid (see http://cdr.eionet.europa.eu/vocabulary/wise/IdentifierScheme).
cc-type:3.1.3: The value of element 'wfdgm:supersededbyid:identifier' is not valid.	The supersededbyid:identifier value must be a string starting with the 2-letter country code. Upper case letters (A to Z) and digits (0 to 9) are allowed in the remaining part (the hyphen and the underscore can be used as non-consecutive separators).
cc-type:3.1.3: The value of element 'wfdgm:supersededbyid:identifierScheme' is not valid.	The supersededbyid:identifierScheme value is not valid (see http://cdr.eionet.europa.eu/vocabulary/wise/IdentifierScheme).

You may now run the complete automatic QC...

3



The screenshot shows a web interface with a top navigation bar containing tabs: Overview, Draft delivery (selected), Edit properties, History, and Data quality. Below the tabs, the 'Draft delivery' section contains four numbered instructions:

- 1) Your first step is to [upload](#) one or more files into this envelope. You can always interrupt your work and continue your contribution at a later time without losing data.
- 2) Before releasing the envelope to the public, you must [run the automatic quality assessment on the data](#) - this will take a few minutes, after which the envelope will be back in Draft mode.
- 3) Have a careful look at the report from the automatic quality assessment. You are able to check whether your data is correct by looking at the report of errors and the statistics provided by the system. **You can only release the envelope if there are no blocking errors left.**
- 4) Once you choose Release envelope the automatic quality assessment will be run again on the data. In case of blocking errors, the envelope **will not be released** and remain in Draft status. Otherwise, your envelope will be released and a confirmation of receipt will be issued.

On the right side of the interface, there is a vertical list of buttons: 'Add file', 'Upload zipfile', 'Upload and convert file', 'Run automatic QA' (highlighted with a yellow box and a yellow arrow), and 'Deactivate task'.

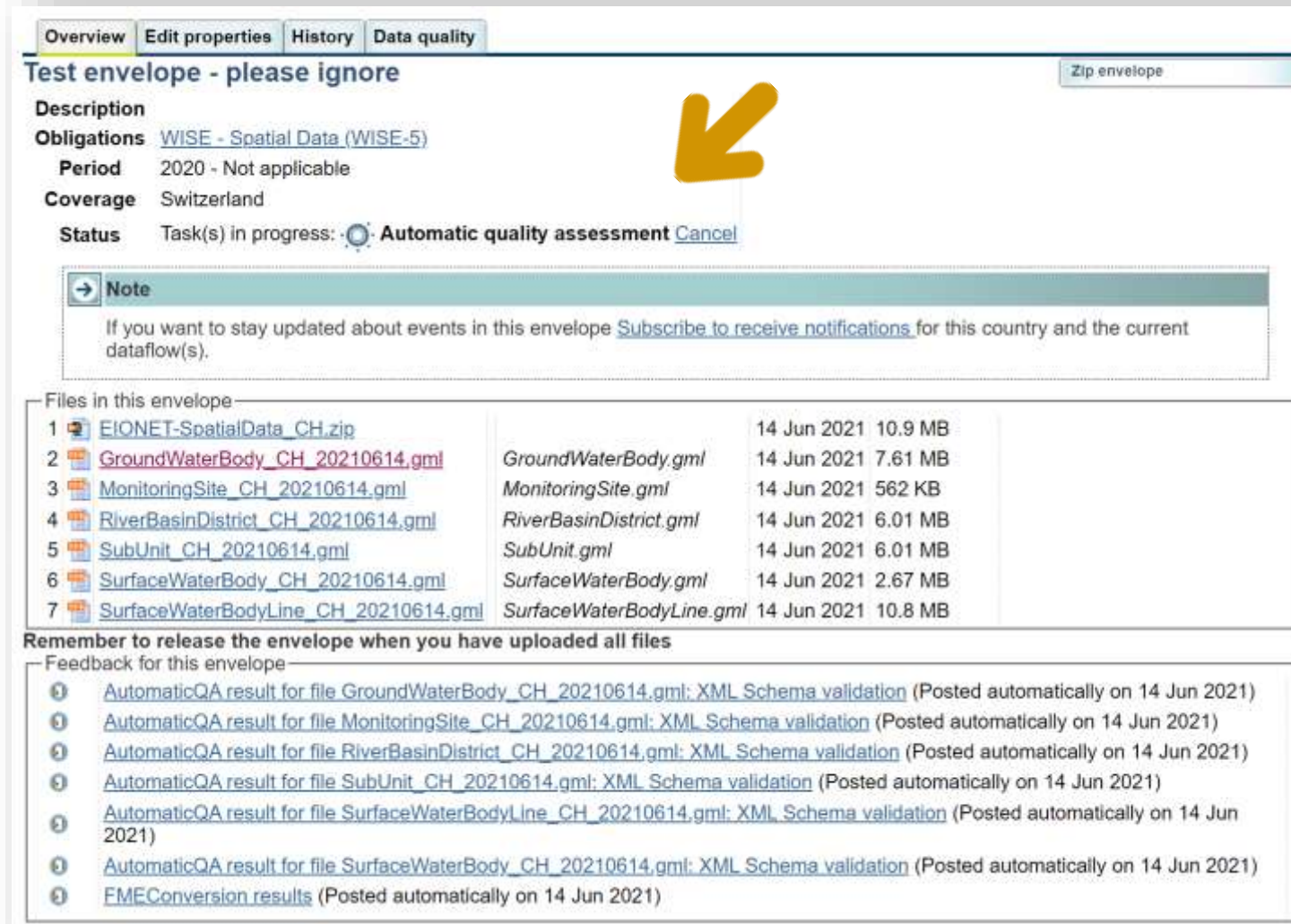
Below the instructions, there is a section titled 'Files in this envelope' containing a table of files:

File Name	Original Name	Date	Size	Run QA #1	Run QA #2
<input type="checkbox"/> EIONET-SpatialData_CH.zip		14 Jun 2021	10.9 MB		
<input type="checkbox"/> GroundWaterBody_CH_20210614.gml	GroundWaterBody.gml	14 Jun 2021	7.61 MB	Run QA #1	Run QA #2
<input type="checkbox"/> MonitoringSite_CH_20210614.gml	MonitoringSite.gml	14 Jun 2021	562 KB	Run QA #1	Run QA #2
<input type="checkbox"/> RiverBasinDistrict_CH_20210614.gml	RiverBasinDistrict.gml	14 Jun 2021	6.01 MB	Run QA #1	Run QA #2
<input type="checkbox"/> SubUnit_CH_20210614.gml	SubUnit.gml	14 Jun 2021	6.01 MB	Run QA #1	Run QA #2
<input type="checkbox"/> SurfaceWaterBodyLine_CH_20210614.gml	SurfaceWaterBodyLine.gml	14 Jun 2021	10.8 MB	Run QA #1	n/a
<input type="checkbox"/> SurfaceWaterBody_CH_20210614.gml	SurfaceWaterBody.gml	14 Jun 2021	2.67 MB	Run QA #1	Run QA #2

Below the table, there are buttons for 'Rename', 'Cut', 'Copy', and 'Delete'. At the bottom, there is a section titled 'Feedback for this envelope' containing a link to 'FMEConversion results' (Posted automatically on 14 Jun 2021).

The QC results will be added as soon as they are available...

3



Overview Edit properties History Data quality

Test envelope - please ignore [Zip envelope](#)

Description

Obligations [WISE - Spatial Data \(WISE-5\)](#)

Period 2020 - Not applicable

Coverage Switzerland

Status Task(s) in progress: ☒ Automatic quality assessment [Cancel](#)

Note

If you want to stay updated about events in this envelope [Subscribe to receive notifications](#) for this country and the current dataflow(s).

Files in this envelope

File Name	File Type	Date	Size
EIONET-SpatialData_CH.zip		14 Jun 2021	10.9 MB
GroundWaterBody_CH_20210614.gml	GroundWaterBody.gml	14 Jun 2021	7.61 MB
MonitoringSite_CH_20210614.gml	MonitoringSite.gml	14 Jun 2021	562 KB
RiverBasinDistrict_CH_20210614.gml	RiverBasinDistrict.gml	14 Jun 2021	6.01 MB
SubUnit_CH_20210614.gml	SubUnit.gml	14 Jun 2021	6.01 MB
SurfaceWaterBody_CH_20210614.gml	SurfaceWaterBody.gml	14 Jun 2021	2.67 MB
SurfaceWaterBodyLine_CH_20210614.gml	SurfaceWaterBodyLine.gml	14 Jun 2021	10.8 MB

Remember to release the envelope when you have uploaded all files

Feedback for this envelope

- [AutomaticQA result for file GroundWaterBody_CH_20210614.gml: XML Schema validation](#) (Posted automatically on 14 Jun 2021)
- [AutomaticQA result for file MonitoringSite_CH_20210614.gml: XML Schema validation](#) (Posted automatically on 14 Jun 2021)
- [AutomaticQA result for file RiverBasinDistrict_CH_20210614.gml: XML Schema validation](#) (Posted automatically on 14 Jun 2021)
- [AutomaticQA result for file SubUnit_CH_20210614.gml: XML Schema validation](#) (Posted automatically on 14 Jun 2021)
- [AutomaticQA result for file SurfaceWaterBodyLine_CH_20210614.gml: XML Schema validation](#) (Posted automatically on 14 Jun 2021)
- [AutomaticQA result for file SurfaceWaterBody_CH_20210614.gml: XML Schema validation](#) (Posted automatically on 14 Jun 2021)
- [FMEConversion results](#) (Posted automatically on 14 Jun 2021)

Please wait until the processes finish.

Reviewing the QC results...

Click this tab



Overview Draft delivery Edit properties History **Data quality**

Results of automatic data quality checks

This page displays summary information from all automatic data quality checks for this envelope. If you want to see more detailed results, just follow the "Show more.." links to the individual feedback items.

GroundWaterBody_MT_20210501.gml

- **INFO:** GroundWaterBody Import and Checks [Show more...](#)
- **INFO:** XML Schema validation passed without errors. [Show more...](#)

MonitoringSite_MT_20210501.gml

- **INFO:** MonitoringSite Import and Checks [Show more...](#)
- **INFO:** XML Schema validation passed without errors. [Show more...](#)

RiverBasinDistrict_MT_20210501.gml

- **INFO:** RiverBasinDistrict Import and Checks [Show more...](#)
- **INFO:** XML Schema validation passed without errors. [Show more...](#)

SubUnit_IT_20210501.gml

- **INFO:** SubUnit Import and Checks [Show more...](#)
- **INFO:** XML Schema validation passed without errors. [Show more...](#)

SurfaceWaterBody_MT_20210501.gml

- **WARNING:** The quality control found 2 warnings - the records should be reviewed. [Show more...](#)
- **INFO:** XML Schema validation passed without errors. [Show more...](#)

Envelope test

- **BLOCKER:** The quality control found 165 blockers - the critical issues must be corrected. [Show more...](#)
- **BLOCKER:** The quality control found 6 blockers - the critical issues must be corrected. [Show more...](#)
- **INFO:** WFD 2022 Inspire Metadata Harvest and Checks [Show more...](#)

Review these **WARNINGS**
and correct them if possible



All **BLOCKERS**
need to be corrected



Example
from
another test
envelope

Correcting WARNINGS

3

Number of issues



Description
of each issue



List of the
first 250 issues



Feedback: AutomaticQA result for file SurfaceWaterBody.gml: SurfaceWaterBody Import and Checks [Back to envelope](#)

Subject: AutomaticQA result for file SurfaceWaterBody.gml: SurfaceWaterBody Import and Checks
Posted automatically on: 31 May 2021 11:11
Task: Automatic quality assessment
Referred file: SurfaceWaterBody.gml
Attached files: gml_checks.csv [\[download\]](#)
Feedback status: WARNING
Feedback message: The quality control found 49 warnings - the records should be reviewed.

SurfaceWaterBody validation

Type	Blockers	Errors	Warnings	Total
Count	0	0	49	49

> Summary

Type	Code	Issue description	Count
Warning	RC51A	Data providers reporting under WISE SoE must report the meanDepth value for lakes and standing water bodies.	49

Showing 1 to 1 of 1 entries [Previous](#) [1](#) [Next](#)

> GML QC Checks (the table shows a maximum of 250 issues)

Type	Code	Identifier	Where	Value
Warning	RC51A	eionetSurfaceWaterBodyCode.CHLWB-3001	meanDepth	Data provider
Warning	RC51A	eionetSurfaceWaterBodyCode.CHLWB-3002	meanDepth	Data provider
Warning	RC51A	eionetSurfaceWaterBodyCode.CHLWB-3003	meanDepth	Data provider
Warning	RC51A	eionetSurfaceWaterBodyCode.CHLWB-3004	meanDepth	Data provider

Download the full list (if there are more than 250 issues)

Correcting ERRORS

Some errors may prevent the data from being correctly imported or used.

If na envelope has errors it will be analysed during the Final Feedback phase, and a resubmission may be requested.



Cross and Spatial validation

Type	Blockers	Errors	Warnings	Total
Count	0	2	22	24

> Summary

Type	Code	Issue description	Count
Error	SA03A	The geometry must not have anomalous geometric points, such as self-intersections.	2
Warning	RC46A	Data providers reporting under WISE SoE must report the catchmentArea value for monitoring sites located in rivers.	3
Warning	SS07	The geometry of the monitoring site must be covered by or be within 200 metre of the geometry of the associated water body.	2
Warning	RR16	If a groundwater body has different horizons, each horizon should be reported.	15
Warning	SB03A	The river basin district must be within the national territory (with a 200 metre tolerance buffer).	1
Warning	DC11	The SurfaceWaterBodyCentreline file should be reported, if the SurfaceWaterBody file contains lakes or transitional waters.	1

Showing 1 to 6 of 6 entries

Previous 1 Next



Example
from
another test
envelope

Correcting BLOCKERS

*The envelope can't be released
if there are BLOCKERS*

*In this example,
the site is "alive"
but the waterbody is "dead".
Possibly the waterbody code
has changed?*



Feedback: AutomaticQA result for file MonitoringSite.gml: MonitoringSite Import and Checks [Back to envelope](#)

Subject: AutomaticQA result for file MonitoringSite.gml: MonitoringSite Import and Checks
Posted automatically on: 14 Jun 2021 15:59
Task: Automatic quality assessment
Referred file: MonitoringSite.gml
Attached files: gml_checks.csv [download]
Feedback status: BLOCKER
Feedback message: The quality control found 1 blockers - the critical issues must be corrected.

MonitoringSite validation

Type	Blockers	Errors	Warnings	Total
Count	1	0	0	1

> Summary

Type	Code	Issue description	Count
Blocker	RR19	The featureOfInterestIdentifier is deprecated.	1

Showing 1 to 1 of 1 entries [Previous](#) **1** [Next](#)

> Registry Checks (the table shows a maximum of 250 issues)

Type	Code	Identifier	Where	Value
Blocker	RR19	eionetMonitoringSiteCode.AT212753	featureOfInterestIdentifier	euSurfaceWaterBodyCode.#

Showing 1 to 1 of 1 entries



Example
from
another test
envelope

Correcting BLOCKERS

*The envelope can't be released
if there are BLOCKERS*

Some objects are missing.



Feedback: AutomaticQA result for: WISE5 Cross Checks

[Back to envelope](#)

Subject:	AutomaticQA result for: WISE5 Cross Checks
Posted automatically on:	14 Jun 2021 14:18
Task:	Automatic quality assessment
Attached files:	crossChecks.csv [download]
Feedback status:	BLOCKER
Feedback message:	The quality control found 21 blockers - the critical issues must be corrected.

Cross and Spatial validation

Type	Blockers	Errors	Warnings	Total
Count	21	0	19	40

> Summary

Type	Code	Issue description	Count
Warning	RC46A	Data providers reporting under WISE SoE must report the catchmentArea value for monitoring sites located in rivers.	19
Blocker	RM01B	A valid 'eionet' thematic identifier exists in the register but was not reported in the GML file (either as a spatial object or as a predecessor).	20
Blocker	XC06P	The featureOfInterestIdentifier is deprecated (only objects with wiseEvolutionType = 'deletion' can be have a deprecated featureOfInterest).	1

Showing 1 to 3 of 3 entries

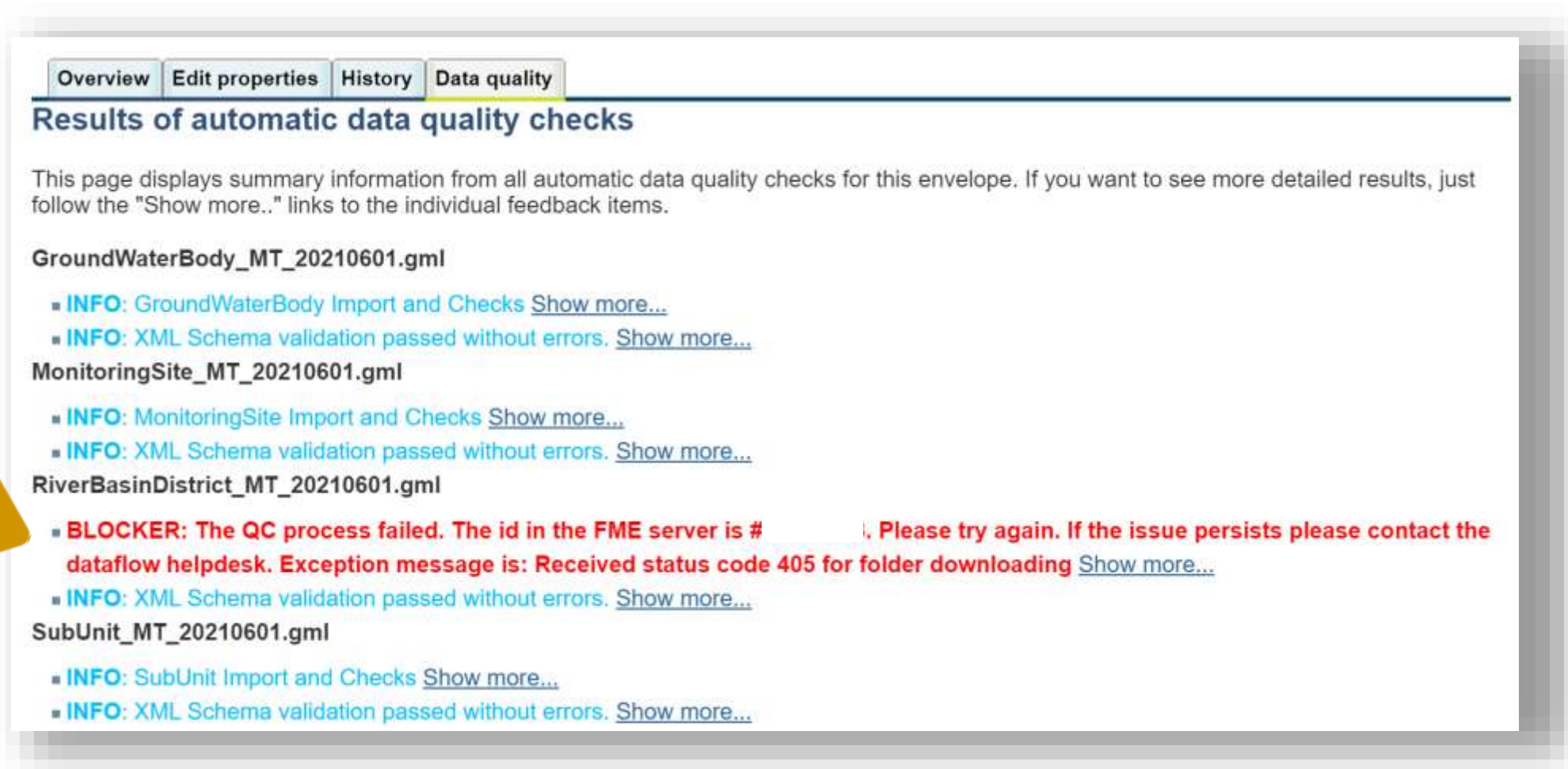
[Previous](#)
[1](#)
[Next](#)



Example
from
another test
envelope

If the QC fails...

3



The screenshot shows a web application with four tabs: 'Overview', 'Edit properties', 'History', and 'Data quality'. The 'Data quality' tab is selected. Below the tabs is the heading 'Results of automatic data quality checks'. A paragraph explains that the page shows summary information and that 'Show more...' links lead to detailed feedback items. The results are organized by file name: 'GroundWaterBody_MT_20210601.gml', 'MonitoringSite_MT_20210601.gml', 'RiverBasinDistrict_MT_20210601.gml', and 'SubUnit_MT_20210601.gml'. Each file has two items: an 'INFO' message about import and checks, and an 'INFO' message about XML schema validation. The 'RiverBasinDistrict_MT_20210601.gml' section contains a red 'BLOCKER' message indicating a QC process failure with a 405 status code, which is highlighted by a yellow arrow. Each item includes a 'Show more...' link.

Overview Edit properties History **Data quality**

Results of automatic data quality checks

This page displays summary information from all automatic data quality checks for this envelope. If you want to see more detailed results, just follow the "Show more.." links to the individual feedback items.

GroundWaterBody_MT_20210601.gml

- **INFO:** GroundWaterBody Import and Checks [Show more...](#)
- **INFO:** XML Schema validation passed without errors. [Show more...](#)

MonitoringSite_MT_20210601.gml

- **INFO:** MonitoringSite Import and Checks [Show more...](#)
- **INFO:** XML Schema validation passed without errors. [Show more...](#)

RiverBasinDistrict_MT_20210601.gml

- **BLOCKER:** The QC process failed. The id in the FME server is # [redacted]. Please try again. If the issue persists please contact the dataflow helpdesk. Exception message is: Received status code 405 for folder downloading [Show more...](#)
- **INFO:** XML Schema validation passed without errors. [Show more...](#)

SubUnit_MT_20210601.gml

- **INFO:** SubUnit Import and Checks [Show more...](#)
- **INFO:** XML Schema validation passed without errors. [Show more...](#)

The QC processes may fail due to limited communication or processing capacity of one of the different systems involved. If this happens, please run the QC again. Contact wfd.helpdesk if the error persists. Always send the link to the envelope.

Releasing the envelope

*When all the BLOCKERS are corrected, the envelope can be released.
The technical team will review it and provide the Final Feedback.*

Overview

Draft delivery

Edit properties

History

Data quality

Draft delivery

1) Your first step is to [upload](#) one or more files into this envelope. You can always interrupt your work and continue your contribution at a later time without losing data.

2) Before releasing the envelope to the public, you must [run the automatic quality assessment on the data](#) - this will take a few minutes, after which the envelope will be back in Draft mode.

3) Have a careful look at the report from the automatic quality assessment. You are able to check whether your data is correct by looking at the report of errors and the statistics provided by the system. **You can only release the envelope if there are no blocking errors left.**

4) Once you choose [Release envelope](#) the automatic quality assessment will be run again on the data. In case of blocking errors, the envelope **will not be released** and remain in Draft status. Otherwise, your envelope will be released and a confirmation of receipt will be issued.

Add file

Upload zipfile

Upload and convert file

Run automatic QA

Release envelope


Deactivate task



... the end

Consolidation between WISE-5 data & WFD data

4

- Spatial data are reported to WISE under two data flows:
 - The [WFD spatial data flow](#) (countries reporting under WFD)
 - The EIONET [WISE-5 spatial data](#) (for other EIONET countries)
- The data model is the same.
- Countries reporting under WFD should use the WFD data flow only! 

Objects that are no longer in use don't need to be reported

*In the past,
some WISE-1 (Emissions data)
was reported for
eionetRBDCode.ES062*

*That code is no longer in use.
It was replaced by
euRBDCode.ES063 and
euRBDCode.ES064.*

*The spatial object
no longer needs to be reported.*

Identify Results

Feature	Value
RiverBasinDistrict	
namespace	NULL
(Derived)	
(Actions)	
cYear	2013
localId	ES062
namespace	NULL
versionId	NULL
thematicId	ES062
thematicSch	eionetRBDCode
beginLife	NULL
endLife	NULL
predecessId	NULL
predIdSch	NULL
successId	ES063, ES064
succIdSch	euRBDCode
wEvolution	deletion
nameTxtInt	NULL
nameText	CUENCAS ATLANTICAS DE ANDALUCIA
nameTextAn	NULL
desigBegin	NULL
desigEnd	NULL
zoneType	riverBasinDistrict
legisName	NULL
legisLink	NULL
legisLevel	NULL
rTmsId	NULL
rTmsIdSch	NULL
sizeValue	1139.8880000000
sizeUom	km2
link	NULL
lon	-6.19768000000
lat	36.9439100000
statusCode	superseded
statusDate	2019-08-20
remarks	retired
country	ES
qcCheck	NULL



Objects with **statusCode** in {'deprecated', 'retired', 'superseded'} are no longer in use and don't need to be reported

Objects with missing information need to be updated

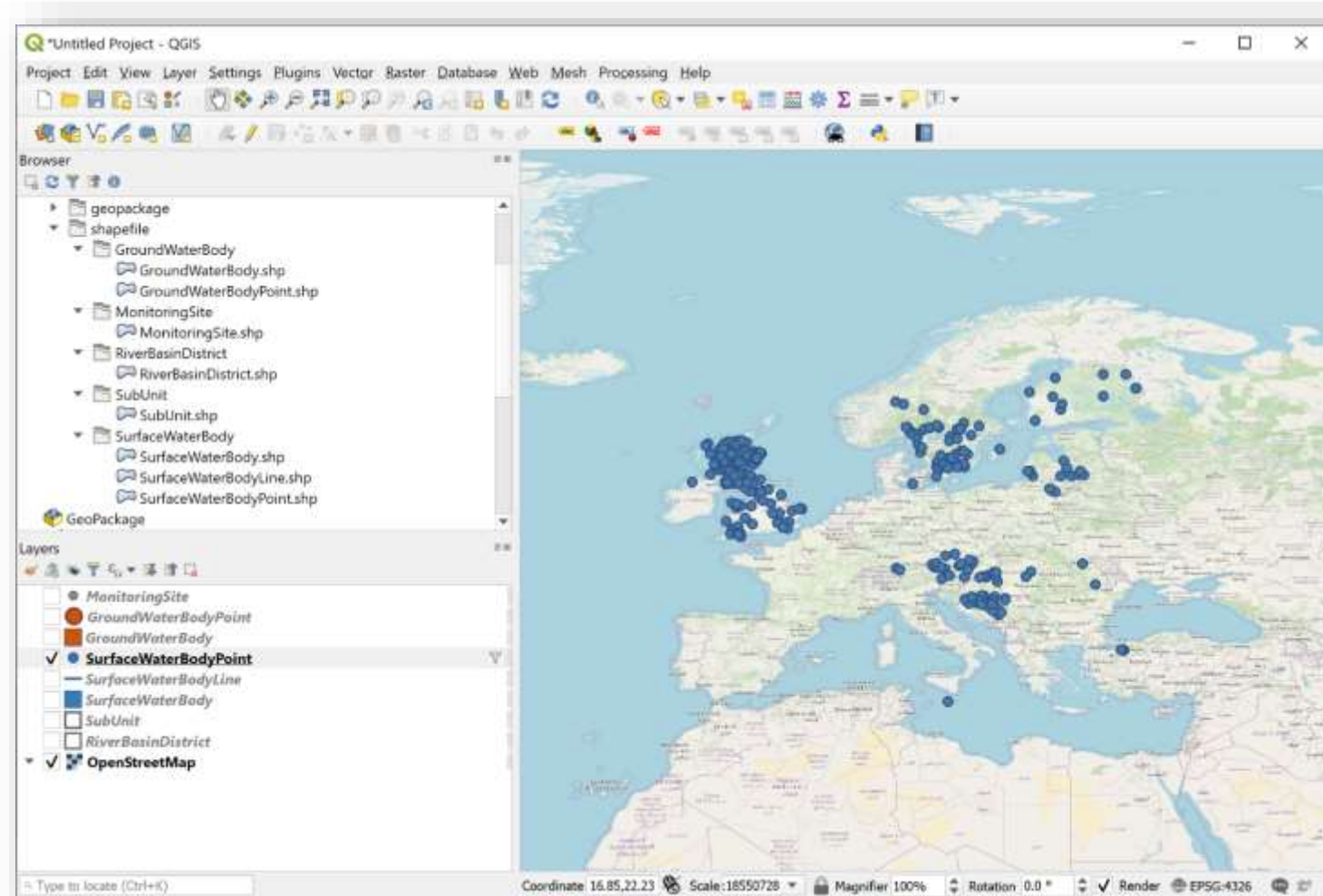
Water bodies can't be represented by points.

A polyline or a polygon geometry is required.

However, for some EIONET waterbodies only a point location is known (frequently based on the location of a monitoring site).

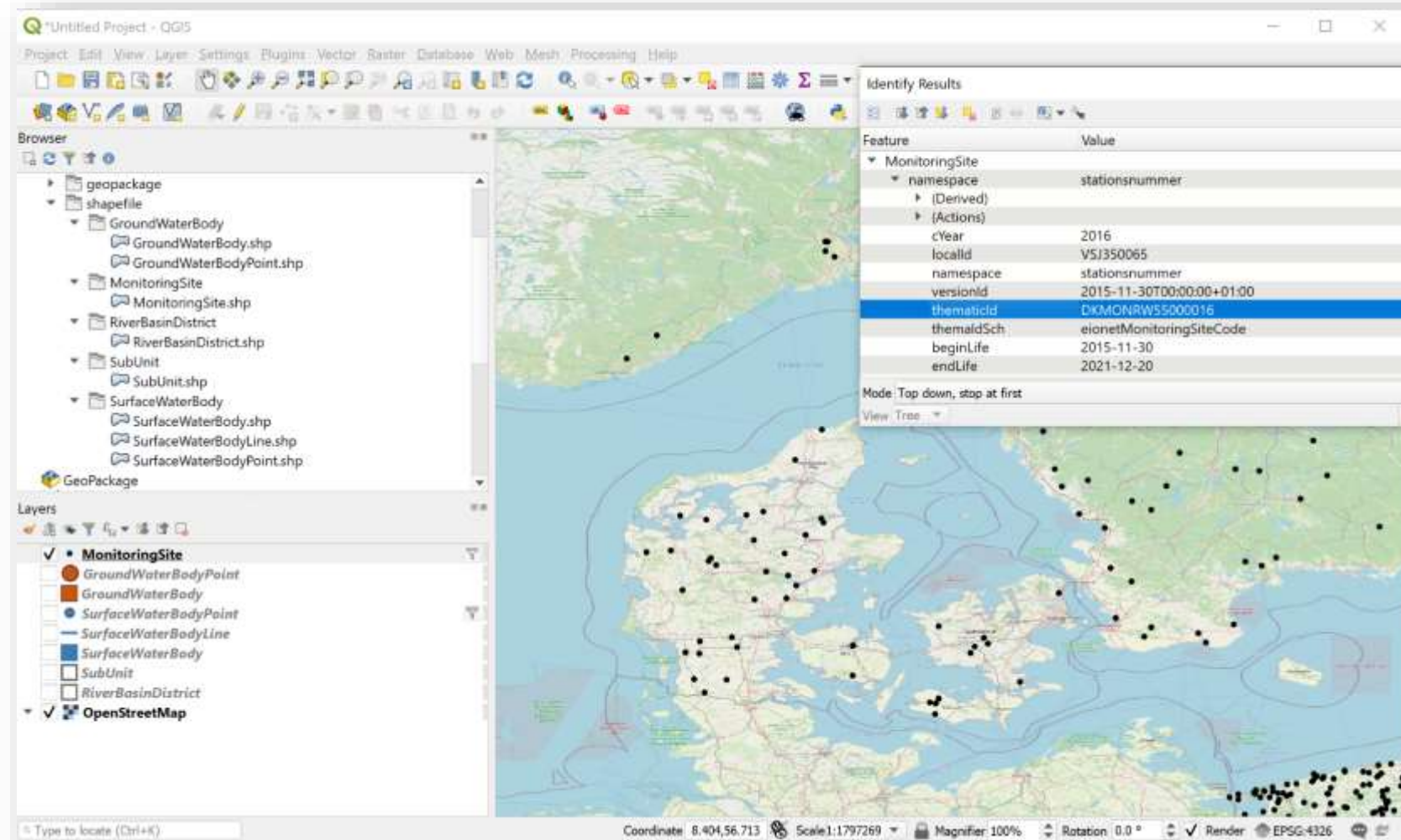


Report the missing information.




Objects with **statusCode** in {'stable', 'valid', 'experimental'} are in use and should be reported

All sites monitoring WFD water bodies should be reported under WFD, as WFD sites.



When reporting under WFD, use the **relatedTo** element to report the old EIONET identifier.

- Countries that report under WFD shouldn't use the WISE-5 data flow.
- For those countries, all monitoring sites can be reported under WFD
 - Countries that report under WFD should not use the WISE-5 data flow to report monitoring sites **located in WFD waterbodies**.
 - All such sites can be reported under WFD (even if they are not used in a WFD monitoring programme).
- Countries that report under WFD may use the WISE-5 data flow, in exceptional cases, to report waterbodies that are not WFD waterbodies and sites located in those EIONET waterbodies, if and only if time series of water quality or water quantity will be reported under the annual WISE SoE data flows. 

Examples



Type	Geometry	AT	BE	BG	CY	CZ	DE	DK	EE	EL	ES	FI	FR	HR	HU	IE	IT	LT	LU	LV	MT	NL	PL	PT	RO	SE	SI	SK	IS	NO	Total
eionetSurfaceWaterBodyCode	Missing				9															3											12
	Point	20						1				11			12	1		11		1	1				2	46				10	116
	Polyline		5						1								9									1					16
	Polygon		6						1								7														14
eionetGroundWaterBodyCode	Missing			2			36	1		233				23						3											298
	Point					4	5	2					2											3		1			1		18
	Polygon																2														2
eionetMonitoringSiteCode	Missing				1																										1
	Point	20	116	45	24	4		46	226	17	2	3	61	30		32	2981	6	1	28		237	3718		17	106	203			13	7936
	Total	40	127	47	34	8	41	50	228	250	2	14	63	53	12	33	2999	17	1	35	1	237	3718	3	19	154	203	0	1	23	8413

- Slovakia:
 - Zero EIONET objects used in the WISE SoE reporting.
 - No need to report under WISE-5.

Examples



Type	Geometry	AT	BE	BG	CY	CZ	DE	DK	EE	EL	ES	FI	FR	HR	HU	IE	IT	LT	LU	LV	MT	NL	PL	PT	RO	SE	SI	SK	IS	NO	Total
eionetSurfaceWaterBodyCode	Missing				9															3											12
	Point	20						1				11			12	1		11		1	1				2	46				10	116
	Polyline		5						1								9									1					16
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eionetGroundWaterBodyCode	Missing			2			36	1		233				23						3											298
	Point					4	5	2					2											3		1			1		18
	Polygon																2														2
eionetMonitoringSiteCode	Missing				1																										1
	Point	20	116	45	24	4		46	226	17	2	3	61	30		32	2981	6	1	28		237	3718		17	106	203			13	7936
	Total	40	127	47	34	8	41	50	228	250	2	14	63	53	12	33	2999	17	1	35	1	237	3718	3	19	154	203	0	1	23	8413

- Iceland:

- Only one remaining groundwater body (eionetGroundWaterBodyCode.ISBLAFJOLL).
- It was used before 2013, but no geometry is available.
- If possible, under WISE-5:
 - Report the geometry, and set wiseEvolutionType = deletion;
 - Or report the code of the WFD water body that replaced it, and set wiseEvolutionType = deletion;
 - Or simply contact wisoesoe.helpdesk and inform that all EIONET objects should be retired and that no WISE-5 reporting will be done.

Similar cases: Germany, Hungary, Malta, Portugal

Examples



Type	Geometry	AT	BE	BG	CY	CZ	DE	DK	EE	EL	ES	FI	FR	HR	HU	IE	IT	LT	LU	LV	MT	NL	PL	PT	RO	SE	SI	SK	IS	NO	Total
eionetSurfaceWaterBodyCode	Missing				9															3											12
	Point	20						1				11			12	1		11		1	1				2	46				10	116
	Polyline		5						1								9									1					16
	Polygon		6						1								7														14
eionetGroundWaterBodyCode	Missing			2			36	1		233				23						3											298
	Point					4	5	2					2										3		1				1		18
	Polygon																2														2
eionetMonitoringSiteCode	Missing				1																										1
	Point	20	116	45	24	4		46	226	17	2	3	61	30		32	2981	6	1	28		237	3718		17	106	203			13	7936
	Total	40	127	47	34	8	41	50	228	250	2	14	63	53	12	33	2999	17	1	35	1	237	3718	3	19	154	203	0	1	23	8413

- Luxembourg:

- Only one remaining monitoring site (eionetMonitoringSiteCode.LUL299001A37).
- It is monitoring a WFD waterbody.
- If the site & waterbody still exist:
 - If the site was reported already under WFD using a different code, report the code of the WFD site that replaced it, and set wiseEvolutionType = deletion;
 - If the site was never reported under WFD, then report it now in the 3rd RBMP, as euMonitoringSiteCode.LUL299001A37 and contact wisoes.helpdesk to inform that no WISE-5 reporting will be done.

Similar cases: Spain, Netherlands, Poland

Other countries reporting under WFD

- The vast majority of cases are similar to the ones described in the previous slides.
- Please take the opportunity to consolidate the old EIONET data with the WFD data, so that no further WISE-5 reporting is ever needed.
- Contact wisesoe.helpdesk if you need clarification on specific cases.
- The procedure to report under WISE-5 is identical to that of WFD.

Q&A

5