

## **Delivery manual for Article 17 data**

Final version - 14<sup>th</sup> March 2019

# Contents

<b>1</b>	<b>Introduction.....</b>	<b>3</b>
<b>2</b>	<b>Data preparation process.....</b>	<b>3</b>
2.1	Overview .....	3
2.2	Data validation .....	5
2.3	Data files to be submitted.....	6
2.4	Tabular data standards for Article 17 reporting .....	8
2.5	Spatial data standards for Article 17 reporting .....	8
<b>3</b>	<b>Data delivery to CDR .....</b>	<b>13</b>
3.1	Accessing the draft envelope .....	14
3.2	Activating the task and uploading data.....	15
3.3	Running the QA procedures.....	16
3.4	Release envelope.....	25
3.5	Finalising the data delivery .....	27
<b>4</b>	<b>Post-data submission.....</b>	<b>27</b>
4.1	Correction of data needed.....	27
4.2	Delivery completed.....	28
4.3	Timeline for data re-delivery.....	29
<b>5</b>	<b>Links to other data sources .....</b>	<b>30</b>
	<b>Annex I Example of letter informing the European Commission of data delivery .....</b>	<b>31</b>
	<b>Annex II Rules for submitting the national reports .....</b>	<b>33</b>

# 1 Introduction

These guidelines are to assist the Member States when submitting their Article 17 national reports to the EEA's Central Data Repository (CDR - <http://cdr.eionet.europa.eu/>). The data delivery process is completed by the National Coordinator assigned by each Member State. However, this manual aims to ensure this procedure is described clearly for anybody involved at any stage along the data preparation and upload process.

In general, the guidelines are separated into a) the preparation and validation process for both tabular and spatial data collected by Member States prior to submitting to CDR and b) the process for data delivery either by using the EEA provided tools to facilitate data validation (i.e. the reporting tool and the range tool) or by direct upload to CDR.

For specific help and advice or questions regarding the reported information, requested data standards, QA/QC results, functioning of the specific features within the reporting envelopes the contact email is [nature.helpdesk@eionet.europa.eu](mailto:nature.helpdesk@eionet.europa.eu).

## 2 Data preparation process

### 2.1 Overview

All documentation and tools required for data preparation, validation and submission to CDR are available on the 'Reference Portal for reporting under Article 17 of the Habitats Directive' ([http://cdr.eionet.europa.eu/help/habitats\\_art17/](http://cdr.eionet.europa.eu/help/habitats_art17/)). This includes:

- Reporting formats and reporting guidelines
- Required lists for reporting (checklist for species and habitats, list of pressures and threats, list of conservation measures and link to all codelists for structured entries in the report formats)
- Spatial data (links to the European 10 x 10 km grids, boundaries of biogeographical regions/marine regions)
- Reporting tool, Range tool and manuals
- XML schemas, validation rules

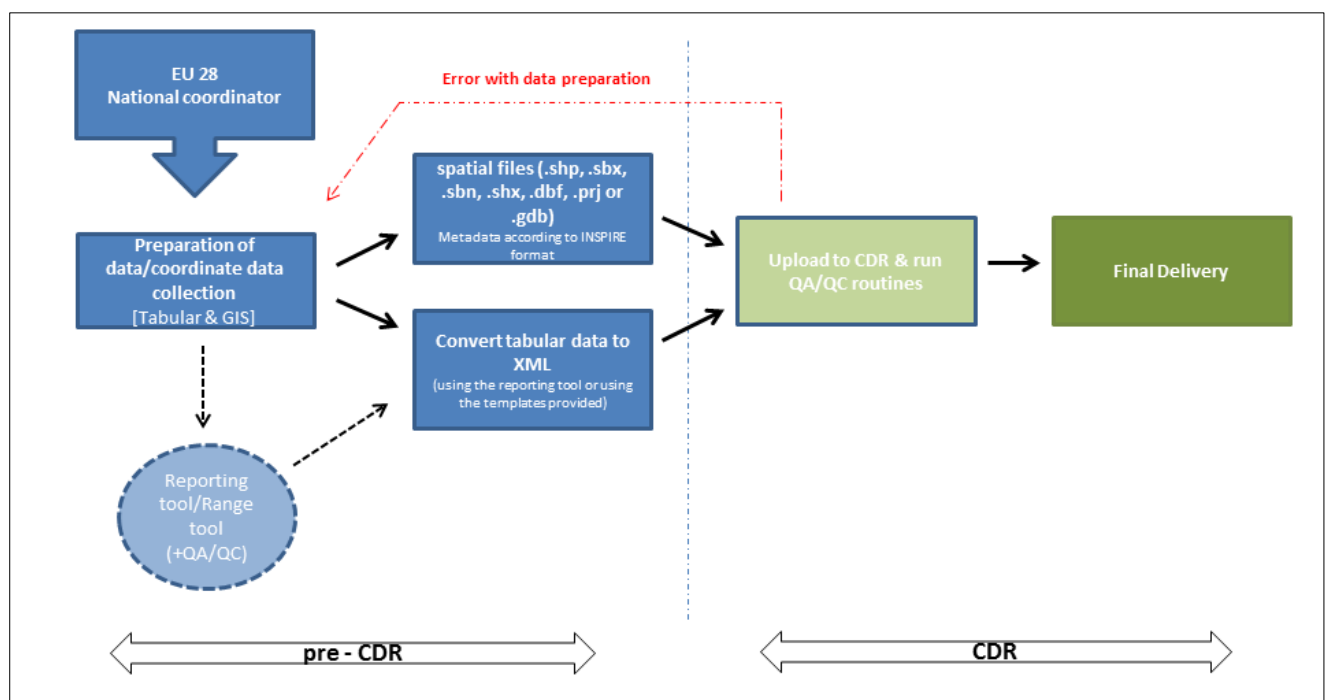
- this delivery manual
- FAQ and notes providing additional specific guidance

The individual fields to be filled in for the national report are detailed in the guidelines. Member State's national reports will be delivered via Central Data Repository of Reportnet (<http://cdr.eionet.europa.eu/>). Each Member State assigns a national data coordinator. The coordinators have rights to upload information to the EEA Reportnet system on Eionet (<http://www.eionet.europa.eu/reportnet>) and they also act as the primary point of contact for the Commission, the EEA and the ETC/BD regarding any question about national data deliveries via Reportnet. The national data coordinators have permissions to both activate and deactivate tasks within CDR, and to formally submit completed tasks in CDR.

The role of national coordinator in delivering data on CDR is described in chapter '3 Data delivery to CDR'.

A broad outline of the data flow followed by Member States from the point of data validation to final delivery to CDR is provided in Figure 2.1.

**Figure 2-1 Generalised data flow from data collection to final delivery**



## 2.2 Data validation

A Member State delivery is comprised of tabular and spatial data adhering to the guidelines as laid down in this document. For an efficient final upload to CDR, these data are converted to a common format, with or without using the tools provided, and undergo several stages of QA/QC checking as a means of validating the information.

Data validation ensures that data are provided in the correct format prior to submission to CDR. Validation is a somewhat automated process if the Member State is using the reporting tool. Member States not using the reporting tool will undergo the same QA/QC process through CDR. The QA/QC procedure highlights issues such as:

- Data missing from fields
- Data entered in an incorrect format

It further ensures that:

- the main coherence rules as outlined in the guidelines and formats are followed
- File naming convention is respected
- Predefined structure of the XML files is followed
- The delivery is complete in terms of the requested files as well as number of habitats and species for which the report is expected

Tools available to assist with data validation are:

- The **reporting tool**, which is a user friendly interface mirroring the Article 17 report formats and which also functions as a data validation tool through its QA/QC checks. Additionally, the tool allows for data to be exported in XML format, ready for CDR upload. The reporting tool runs a basic set of QA/QC procedures (CDR QA/QC is a more in-depth QA/QC) and it provides links to QA/QC running on the CDR.
- The **range tool** is provided to assist the Member States with extracting a range value for Annex B, field 5.1 and Annex D, field 4.1. The functioning of the tool is described in a separate note ([http://cdr.eionet.europa.eu/help/habitats\\_art17/](http://cdr.eionet.europa.eu/help/habitats_art17/)).

Both these tools have been provided by the EEA to assist Member States with ensuring their data are in the correct format for delivery to CDR via the Reportnet system. It is not obligatory to use these tools as part of the data delivery process. Member States that do not wish to use them will have to otherwise ensure their data conforms to the standards required. XML schemas are provided in the reference portal for those not using the reporting tool.

Basic data standards regarding tabular and spatial data are described in detail in Section 2.3 and 2.4 below. A step-by-step guide to delivering data to CDR is given in Section 3 'Data delivery to CDR'.

### 2.3 Data files to be submitted

Data are collected by Member States in tabular and spatial format and will be delivered to the CDR using XML as the data carrier for the tabular data. The spatial data can be uploaded as shapefile or zipped geodatabase. Below is a list of files that should be uploaded to the Member State envelope by the national coordinator. The naming conventions outlined below must be respected (XX = the country code)

**Table 2-1 List of data files to be submitted for Article 17 reporting on habitats and species. Those shaded in grey are not mandatory.**

File name	Delivery	Description
<b>XX_general_report</b>	mandatory	single XML file containing information requested by Annex A – General report format for 2013 – 2018 reporting
<b>XX_habitats_reports<sup>1</sup></b>	Mandatory	single XML file containing information requested by 'Annex D - Report format on the "main results of the surveillance under Article 11" for Annex I habitat types' for all habitat types
<b>XX_species_reports</b>	Mandatory	single XML file containing information requested by 'Annex B - Report format on the main results of the surveillance under Article 11" for Annex II, IV & V species'

<sup>1</sup> The file names 'XX\_habitats\_reports', 'XX\_species\_reports', 'XX\_habitats\_checklist' and 'XX\_species\_checklist' produced by the reporting tool will contain the export date and time at the end in a form YYYYMMDD-HHMMSS. The file name would look like: XX\_habitats\_reports-20180621-110137

		for all species
<b>XX_Art17_habitats_distribution</b>	Mandatory	single zipped GIS shape file containing spatial information requested in Annex D, field “2.2 Distribution map”
<b>XX_Art17_species_distribution</b>	Mandatory	single zipped GIS shape file containing spatial information requested in Annex B, field “2.3 Distribution map”
<b>XX_Art17_reporting</b>	Mandatory	* if ESRI File-Geodatabase is used then separate <b>XX_Art17_habitats_distribution</b> and <b>XX_Art17_species_distribution</b> <b>are not expected</b> . However, the feature class within the zipped gdb must adhere to the naming convention of the individual files above i.e. <b>XX_Art17_habitats_distribution</b> and <b>XX_Art17_species_distribution</b>
<b>XX_Art17_species_distribution_sensitive</b>	provided if data to be kept from public view	single zipped GIS shape file (or zipped gdb of preferred named <b>XX_Art17_species_distribution_sensitive</b> , separate to the distribution files above) containing spatial information requested in Annex D, field “2.2 Distribution map” where data is sensitive
<b>XX_habitats_checklist</b>	provided if changed during process	to be submitted as part of a delivery if it has been modified from the version on the reference portal
<b>XX_species_checklist</b>	provided if changed during process	to be submitted as part of a delivery if it has been modified from the version on the reference portal
<b>XX_update_typical_species</b>	provided if changed during process	to be submitted if the list of typical species has changed since the last reporting period, this is used to assess the parameter “Specific structure and functions (including typical species)”

A few things to note about file delivery:

- The files highlighted in grey are those which are only necessary to upload as a part of the official delivery if sensitive data are included in the data package or if a checklist or list of typical species has been modified by a Member State.
- There are two options for submitting spatial information, either as individual shape files labelled **XX\_Art17\_habitats\_distribution**, **XX\_Art17\_species\_distribution** and **XX\_Art17\_species\_distribution\_sensitive** OR as a gdb. Files containing information on sensitive species must be treated separately i.e. uploaded as a separate shape file or zipped gdb.

- If spatial data are delivered in gdb format the file names within must adhere to the naming convention of the individual files above (i.e. XX\_Art17\_habitats\_distribution and XX\_Art17\_species\_distribution).
- Member States can submit additional files containing relevant information concerning the national reports to CDR together with the national delivery of the Article 17 report).

Things that might prevent shp or gdb upload:

- Files need to be zipped
- If a system lock file is included in the zipped folders, this will prevent the upload (i.e. files with “gdb.’server name’.sr.lock

## **2.4 Tabular data standards for Article 17 reporting**

Tabular data is submitted in XML format. The XML schemas and guidance for their use (‘Mapping XML schemas to report formats’) can be accessed via the reference portal ([http://cdr.eionet.europa.eu/help/habitats\\_art17/](http://cdr.eionet.europa.eu/help/habitats_art17/)). A list of associated validation rules in relation to the reporting tool and upload to CDR is available on the reference portal. Where the reporting tool is used for the data preparation the output is exported in XML format. These schemas ensure that all data are delivered in the proper format and can all undergo the same validation process.

A few things to note about tabular data delivery:

- One report (XML file) is delivered for Annex A of the report format per Member State and one each (XML file) for species (Annex B) and habitats (Annex D) – 3 in total.
- It is important to ensure that data files are complete and that partial deliveries have not been uploaded as this could affect the QA/QC procedures.

## **2.5 Spatial data standards for Article 17 reporting**

Submission of distribution map data of all Annex I habitat types and Annexes II, IV & V species present in a Member State is a basic requirement of Article 17 reporting. The distribution map data should provide information about the actual occurrences of the



habitat type or species, which should preferably be based on the results of a comprehensive national mapping or inventory of the habitats and species, wherever possible.

The distribution maps will consist of 10 x 10 km ETRS 89 grid cells in the ETRS LAEA 5210 projection (EPSG3035)<sup>2</sup>. The gridded data will be comprised of 10 km grid cells where the species or habitat type is recorded<sup>3</sup>. The use of attribute data to indicate the presence or absence of a species or habitat type in a grid cell is not permitted. The period over which the distribution data was collected should be included in the metadata following the INSPIRE guidelines.

In some exceptional cases such as widely ranging but poorly known cetaceans it may be appropriate to submit maps based on a 50 x 50 km grid. For small Member States, such as Luxembourg, Malta and Cyprus, 1 x 1 km grids are allowed, these will be then aggregated by ETC/BD to 10 x 10 km for visualisation at the European level.

The EEA has produced these grid files which cover the entire extent of the Member State subject to the Article 17 reporting process and which are available from the Article 17 Reference Portal<sup>4</sup>. The EEA does not provide 5 x 5 km grids, therefore Member States recording data at this resolution will need to adapt it to the 1 x 1 km grid before submitting the data to CDR.

Geographical grids are an Annex I theme of the INSPIRE Directive<sup>5</sup>. The INSPIRE specifications on Geographical grid systems<sup>6</sup> define the ETRS 89 LAEA grid as the pan-European standard grid.

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<sup>2</sup> European Terrestrial Reference System 1989 Lambert Azimuthal Equal Area Latitude of origin 52 N, Longitude of origin (central meridian ) 10°E. <http://www.eionet.europa.eu/gis>

<sup>3</sup> See Explanatory Notes and Guidelines for more detailed guidance.

<sup>4</sup> [http://cdr.eionet.europa.eu/help/habitats\\_art17](http://cdr.eionet.europa.eu/help/habitats_art17)

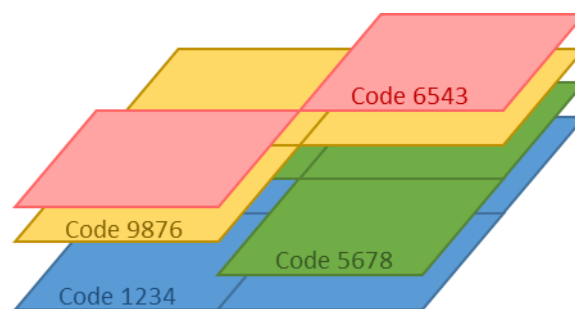
<sup>5</sup> See <http://inspire.jrc.ec.europa.eu/> for more information on this Directive.

<sup>6</sup> D2.8.I.2 INSPIRE specifications on Geographical Grid Systems–Guidelines. [http://inspire.jrc.ec.europa.eu/documents/Data\\_Specifications/INSPIRE\\_Specification\\_GGS\\_v3.0.pdf](http://inspire.jrc.ec.europa.eu/documents/Data_Specifications/INSPIRE_Specification_GGS_v3.0.pdf)

Member States may also submit additional maps, for example giving more detailed distribution data (e.g. at higher resolution). Any additional maps must be accompanied by the relevant metadata and details of the projection used.

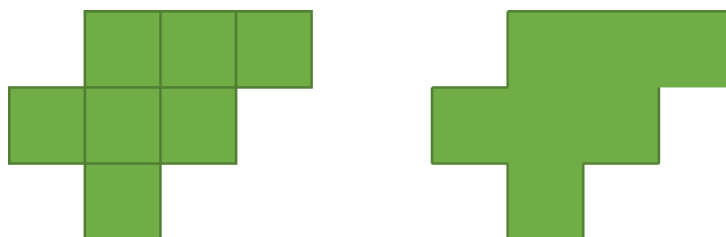
Habitat and species distribution data should be delivered as two files, habitats separately from species, either in shapefile format or within ESRI File-Geodatabase. The files will be multilayer and will be comprised of all distributions of either habitats or species (Figure 2-2).

**Figure 2-2: multilayer structure of a distribution data file (either species or habitat)**



The grid features can be uploaded as a dissolved feature if it is found that the file size is too big (Figure 2-3). Dissolving will reduce the overall file size and ensure the data are easier to manage.

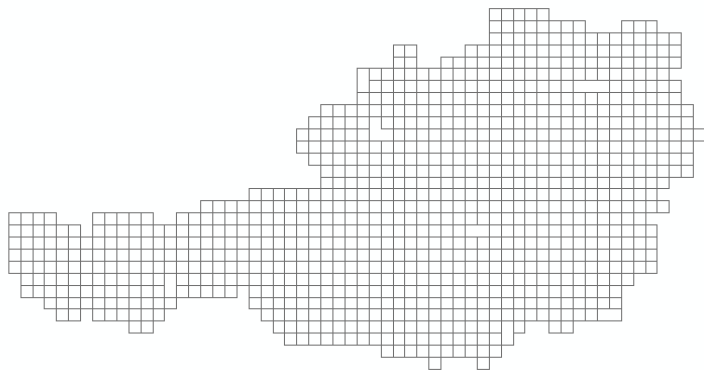
**Figure 2-3: two options of spatial reporting: same codes dissolved or reported separately**

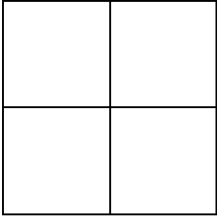
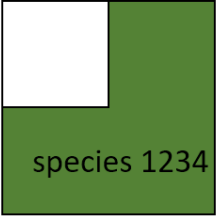
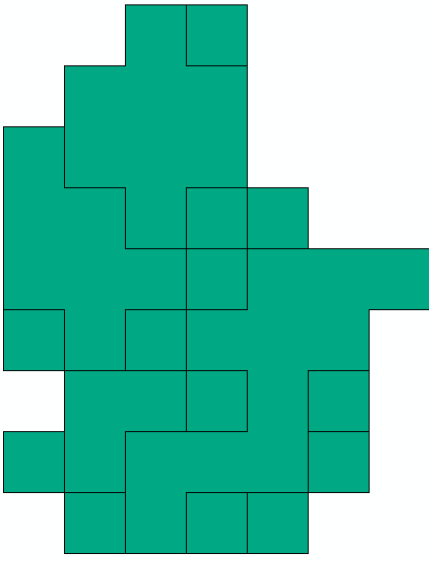



Sensitive species files should be uploaded as a separate shape file or zipped gdb (see table 2.1 above).

The following table describes the mandatory specifications to be fulfilled by the spatial datasets.

**Table 2-2** Checklist of spatial specifications

<b>File format</b>	Shapefile (.dbf, .prj, .sbn, .sbx, .shp, .shx) or ESRI File-Geodatabase (.gdb)			
<b>Projection</b>	ETRS 89 LAEA 5210 projection (EPSG:3035)			
<b>Reference GRID</b>	<p>All data to consist of the ETRS 89 LAEA 5210 10x10km grids available from the EEA*</p>  <p>*There are some agreed exceptions to this rule for marine reporting and for smaller countries. Please note that in these cases ETRS 89 LAEA 5210 projection should be used.</p>			
<b>Attributes</b>	<b>Name</b>	<b>Description</b>	<b>TYPE</b>	<b>Example</b>
	<b>code</b>	The Unique identifier. Use the code given in the checklist for reporting	string(15)	1530
	<b>maptpe</b>	Distribution	string(15)	Distribution
	<b>category</b>	Habitat/Species	string(15)	Habitat
	<b>isocode</b>	Country code: Use the two-digit codes from ISO 3166, except that UK should be used instead of GB for the United Kingdom. (See Annex too)  A table giving the codes can be found on the Reference Portal.	string(2)	AT
	<b>refgrid</b>	Information about EEA GRID used and its mesh size such as 10x10km, 1x1km, ...	string(25)	EEA-10km GRID
	<b>sensitive</b>	Description if data contains sensitive information "sensitive" or "non-sensitive"	string(15)	sensitive
<b>Step A</b>	The single GRID cells will be delivered in the form of a "dissolved" feature to reduce the file size:			

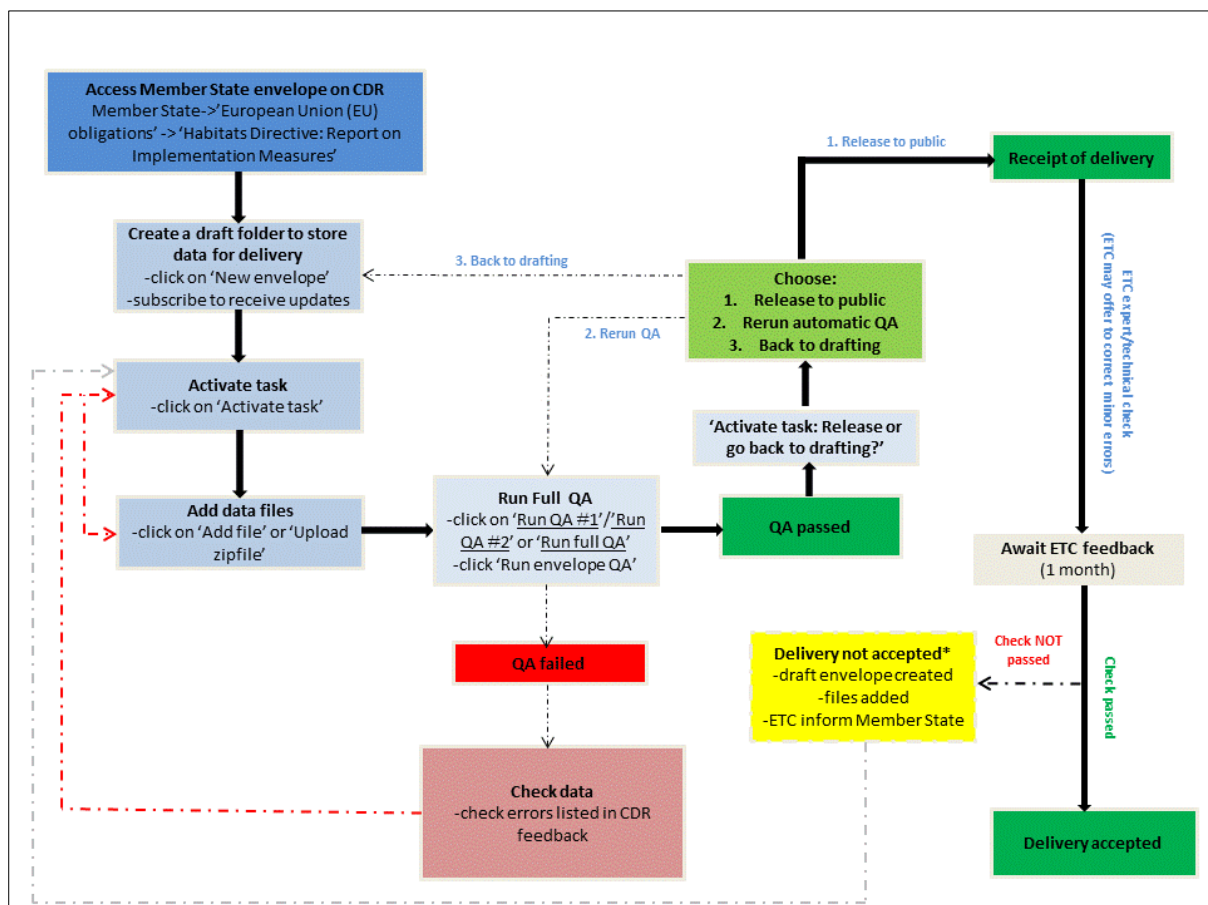
	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>10x10 km cells</p>  </div> <div style="text-align: center;"> <p>10x10 km cells – dissolved by Code</p>  </div> </div>																																																																																																																							
<p><b>Step B</b></p>	<p>All species and habitat distribution features should be stored in <u>ONE</u> shp-file or <u>ONE</u> feature class each in the ESRI File-Geodatabase</p> <table border="1" data-bbox="343 616 1252 1164"> <thead> <tr> <th>FID</th> <th>Shape *</th> <th>code</th> <th>mapttype</th> <th>category</th> <th>isocode</th> <th>refgrid</th> </tr> </thead> <tbody> <tr><td>0</td><td>Polygon</td><td>6230</td><td>Distribution</td><td>Habitat</td><td>LU</td><td>EEA-10km GRID</td></tr> <tr><td>1</td><td>Polygon</td><td>6410</td><td>Distribution</td><td>Habitat</td><td>LU</td><td>EEA-10km GRID</td></tr> <tr><td>2</td><td>Polygon</td><td>6430</td><td>Distribution</td><td>Habitat</td><td>LU</td><td>EEA-10km GRID</td></tr> <tr><td>3</td><td>Polygon</td><td>9130</td><td>Distribution</td><td>Habitat</td><td>LU</td><td>EEA-10km GRID</td></tr> <tr><td>4</td><td>Polygon</td><td>9150</td><td>Distribution</td><td>Habitat</td><td>LU</td><td>EEA-10km GRID</td></tr> <tr><td>5</td><td>Polygon</td><td>9160</td><td>Distribution</td><td>Habitat</td><td>LU</td><td>EEA-10km GRID</td></tr> <tr><td>6</td><td>Polygon</td><td>9180</td><td>Distribution</td><td>Habitat</td><td>LU</td><td>EEA-10km GRID</td></tr> <tr><td>7</td><td>Polygon</td><td>91E0</td><td>Distribution</td><td>Habitat</td><td>LU</td><td>EEA-10km GRID</td></tr> <tr><td>8</td><td>Polygon</td><td>3130</td><td>Distribution</td><td>Habitat</td><td>LU</td><td>EEA-10km GRID</td></tr> <tr><td>9</td><td>Polygon</td><td>5110</td><td>Distribution</td><td>Habitat</td><td>LU</td><td>EEA-10km GRID</td></tr> <tr><td>10</td><td>Polygon</td><td>9110</td><td>Distribution</td><td>Habitat</td><td>LU</td><td>EEA-10km GRID</td></tr> <tr><td>11</td><td>Polygon</td><td>91D0</td><td>Distribution</td><td>Habitat</td><td>LU</td><td>EEA-10km GRID</td></tr> <tr><td>12</td><td>Polygon</td><td>3140</td><td>Distribution</td><td>Habitat</td><td>LU</td><td>EEA-10km GRID</td></tr> <tr><td>13</td><td>Polygon</td><td>3150</td><td>Distribution</td><td>Habitat</td><td>LU</td><td>EEA-10km GRID</td></tr> <tr><td>14</td><td>Polygon</td><td>4030</td><td>Distribution</td><td>Habitat</td><td>LU</td><td>EEA-10km GRID</td></tr> <tr><td>15</td><td>Polygon</td><td>7140</td><td>Distribution</td><td>Habitat</td><td>LU</td><td>EEA-10km GRID</td></tr> </tbody> </table> <div style="text-align: center; margin-top: 20px;">  </div> <div style="text-align: right; margin-top: 10px;"> <input type="checkbox"/> <input checked="" type="checkbox"/> LU_Art17_habitats_distribution   </div>	FID	Shape *	code	mapttype	category	isocode	refgrid	0	Polygon	6230	Distribution	Habitat	LU	EEA-10km GRID	1	Polygon	6410	Distribution	Habitat	LU	EEA-10km GRID	2	Polygon	6430	Distribution	Habitat	LU	EEA-10km GRID	3	Polygon	9130	Distribution	Habitat	LU	EEA-10km GRID	4	Polygon	9150	Distribution	Habitat	LU	EEA-10km GRID	5	Polygon	9160	Distribution	Habitat	LU	EEA-10km GRID	6	Polygon	9180	Distribution	Habitat	LU	EEA-10km GRID	7	Polygon	91E0	Distribution	Habitat	LU	EEA-10km GRID	8	Polygon	3130	Distribution	Habitat	LU	EEA-10km GRID	9	Polygon	5110	Distribution	Habitat	LU	EEA-10km GRID	10	Polygon	9110	Distribution	Habitat	LU	EEA-10km GRID	11	Polygon	91D0	Distribution	Habitat	LU	EEA-10km GRID	12	Polygon	3140	Distribution	Habitat	LU	EEA-10km GRID	13	Polygon	3150	Distribution	Habitat	LU	EEA-10km GRID	14	Polygon	4030	Distribution	Habitat	LU	EEA-10km GRID	15	Polygon	7140	Distribution	Habitat	LU	EEA-10km GRID
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<p><b>Filename</b></p>	<p><b>Non-sensitive data:</b></p> <p style="padding-left: 40px;">XX_Art17_habitats_distribution</p> <p style="padding-left: 40px;">XX_Art17_species_distribution (.shp; in case ESRI File-Geodatabase is used no file extension is needed for the actual feature; the .gdb is named XX_Art17_reporting)</p> <p><b>Sensitive data:</b></p>																																																																																																																							

XX\_Art17\_species\_distribution\_sensitive

### 3 Data delivery to CDR

The data delivery to the Central Data Repository (CDR) will consist of the files listed in Table 2.1 above. The file types and naming conventions listed must be adhered to in all cases (whether the EEA provided reporting tool was used or the Member State created their data files independently) in order to avoid data rejection when using the QA routines.

The schema below shows the workflow for uploading the data to the CDR.



### 3.1 Accessing the draft envelope

After logging onto CDR, the nominated coordinator will access their country folder and create the data delivery envelope as follows:

The screenshot illustrates the navigation process in the CDR system. It begins with a folder titled "European Union (EU), obligations" dated 08 Feb 2019. A blue arrow points down to a sub-folder titled "Habitats Directive: Report on Implementation Measures" dated 17 Jan 2019. A second blue arrow points down to a detailed view of this folder. The interface includes tabs for "Overview", "Task list", and "Edit properties". The main heading is "Habitats Directive: Report on Implementation Measures". Below this, there is a "New referral" button and a "New envelope" button, which is circled in red. The "Obligation(s)" section shows "Report on progress and implementation (Article 17, Habitats Directive)". Under the "Envelopes and subcollections" section, there are "Cut", "Copy", and "Delete" buttons.

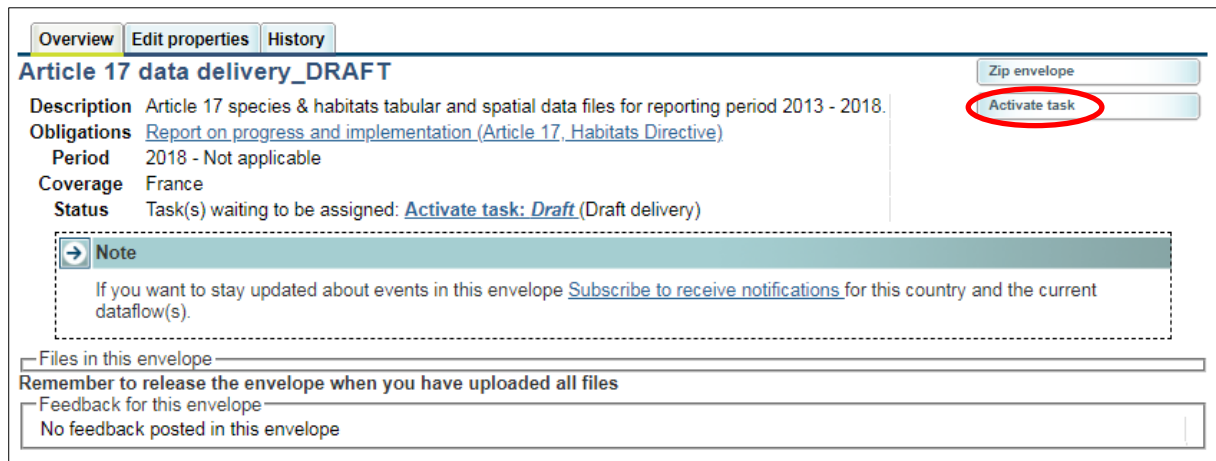
There is no naming convention nor is there a limit on the number of folders that can be created. Details can be filled in as shown below.

Fill out the fields in this report profile and click *Add*. This will create an *envelope* into which you make the delivery.

<b>Title</b>	Article 17 data delivery_DRAFT
<b>Description</b>	Article 17 species & habitats tabular and spatial data files for reporting period 2013 - 2018.
<b>Relating to which year</b>	2018 Not applicable to
	Please enter the year covered by the dataset you are reporting
<b>Coverage</b>	France
<b>Coverage note</b>	
	<input type="button" value="Add"/>

### 3.2 Activating the task and uploading data

Once the envelope has been created, 'Activate task' will allow data files to be uploaded to the envelope. There are 2 other tabs besides the 'Overview' (see below): 'Edit properties' allows the renaming of the envelope or addition of further descriptions, 'History' shows a summary of all activity in the envelope.



The user can now subscribe to receive notifications of any changes or updates to the folder (toolbar on left-hand side of the screen). This is particularly useful at the end of the process when the user is awaiting updates from the ETC such as the need for a data resubmission. The user will also see that a 4th tab becomes visible (Draft Delivery), which has all the tools needed for uploading files:

- *Add file*
- *Upload zipfile*: using this option for zipped files instead of 'Add file' will unzip and upload individual files within a zip file (if adding a zipped file using the 'Add file' option will leave the file zipped within the folder).
- *Release envelope*: used at the very end of the process.
- *Deactivate task*: this is clicked to allow another user to work on the envelope.

Clicking on 'Add file' or 'Upload zipfile' will bring the user to the 'Add Document' window below. Here an alias of the file name can be given. The actual file name where it is stored and worked on locally, should adhere to the file naming convention as outlined in Table 2.1 as this is checked as part of the QA process. **File names not in the correct format will be rejected.** It is also at this point that sensitive data must be highlighted i.e. 'Restricted from public view'. Spatial data files containing sensitive species data will need to be uploaded as a separate file. In the tabular data, there is a field to highlight sensitive species therefore there is no need to upload a separate XML for these.

### 3.3 Running the QA procedures

Below are the QA options that become available once the envelope is populated with data files. All Member State deliveries need to be in a uniform format in order to ensure all essential data are present and in a way that all deliveries can be amalgamated into a European database. Therefore, various stages of quality control have been built into the



CDR data upload process to allow the user to ensure that their data conforms to the validation rules<sup>7</sup>.

- *Run full QA*: this will run a QA procedure on all files within a folder in one go (i.e. it includes Run QA #1/ Run QA #2 on all files in the envelope and Run envelope QA) . This can be used at any time i.e. not all files need to be present to run this.
- *Run envelope QA*: this summarises the presence or absence of mandatory files.
- *Run QA #1/ Run QA #2*: these are 2 procedures that are run on the individual XML<sup>8</sup> files. These are the same QA procedures that are implemented under '*Run full QA*', it allows the user to run the individual procedures on individual files as the '*Run full QA*' may take some time.

**To note:** Run QA #1 and Run QA #2 are two separate processes i.e. one does not need to be passed in order to run the other. However, if either QA procedure returns blockers for any of the uploaded files, it will not be possible to release the envelope (see Annex 2 Rules for the acceptance of Member State deliveries on CDR ).

---

<sup>7</sup> Validation rules for data delivery: [http://cdr.eionet.europa.eu/help/habitats\\_art17/](http://cdr.eionet.europa.eu/help/habitats_art17/)

<sup>8</sup> Run QA #1/ Run QA #2 are not run on spatial data. The only automatic QA for these files will be a check to see that they comply with the naming convention. Spatial data will be checked manually after data release (providing the correct naming convention is used and the data pass the 'Run envelope QA']).

Overview
Draft delivery
Edit properties
History

### Draft delivery

1) **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) Once you are satisfied that your delivery is complete and correct, choose [Release envelope](#) and the envelope with your delivery will be automatically validated by QA procedures. If the delivery conforms to the *Rules for the acceptance of Red List deliveries in Reportnet* you will be able to finalise your delivery (finalise the *Release envelope* step). If the QA procedure fails you will be redirected back to Draft delivery.

**Automatic QA service**

The system can help you assess quality of the uploaded XML files. You have two options:

1. You can run all the QA checks on all files in the envelopes by selecting the "Run full QA" button.

2. You can test files which are less than 4MB in size one by one using the "Run QA " button next to each item.

If some of the tests detect errors, it is recommended that you try to correct them before releasing the envelope. After you release the envelope, the system will always automatically run the full QA procedures and the public results will be placed into the feedback area of the envelope.

You can run a quality assessment operation yourself on all files at once. Doing so will interrupt the drafting activity for a few minutes (task is deactivated), after which you can return to Draft (by activating the task) and read the QA feedback.

Envelope level QA rules checking availability of mandatory files can be tested using the "Run envelope QA" button.

Files in this envelope																	
<input type="checkbox"/>	<a href="#">FR_art17_reporting.gdb.zip</a>	FR_art17_reporting.gdb	01 Mar 2019	368 KB	<div style="border: 2px solid red; border-radius: 50%; padding: 10px; display: inline-block;"> <table style="border-collapse: collapse;"> <tr><td>Run QA #1</td><td>Run QA #2</td></tr> <tr><td>Run QA #1</td><td>Run QA #2</td></tr> <tr><td>Run QA #1</td><td>Run QA #2</td></tr> <tr><td>Run QA #1</td><td>Run QA #2</td></tr> <tr><td>Run QA #1</td><td>Run QA #2</td></tr> <tr><td>Run QA #1</td><td>Run QA #2</td></tr> </table> </div>	Run QA #1	Run QA #2	Run QA #1	Run QA #2	Run QA #1	Run QA #2	Run QA #1	Run QA #2	Run QA #1	Run QA #2	Run QA #1	Run QA #2
Run QA #1	Run QA #2																
Run QA #1	Run QA #2																
Run QA #1	Run QA #2																
Run QA #1	Run QA #2																
Run QA #1	Run QA #2																
Run QA #1	Run QA #2																
<input type="checkbox"/>	<a href="#">FR_general_report.xml</a>		01 Mar 2019	3.55 KB													
<input type="checkbox"/>	<a href="#">FR_habitats_checklist.xml</a>		01 Mar 2019	778 B													
<input type="checkbox"/>	<a href="#">FR_habitats_reports-20190222-160642.xml</a>		01 Mar 2019	11.6 KB													
<input type="checkbox"/>	<a href="#">FR_species_checklist.xml</a>		01 Mar 2019	1.72 KB													
<input type="checkbox"/>	<a href="#">FR_species_reports-20190222-160643.xml</a>		01 Mar 2019	28.3 KB													

Rename   Cut   Copy   Delete

Feedback for this envelope  
No feedback posted in this envelope

**To note:** Normally the QA button should appear; however once a Member State has uploaded data and none of the QA buttons are visible it means that there are significant issues relating to the structure of the xml files e.g. some of the structural features of file are missing, the xml file cannot be opened, etc.

**Run QA #1:** This is the validation of compliance of XML files with XML schema<sup>9</sup> (XML schema validation).

Where errors are present in the XML file, these are described and listed as shown below. Where data have been rejected a 'blocker' flag is shown. Triggered error messages direct the user to the location in the XML file.

<sup>9</sup> XML schema: <https://dd.eionet.europa.eu/schemaset/habitatsdirective/view>

### 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/habitatsdirective/art17\\_species.xsd](http://dd.eionet.europa.eu/schemas/habitatsdirective/art17_species.xsd)

Type	Position	Error message
ERROR	Line: 260, Col: 19	cvc-complex-type.2.4.a: Invalid content was found starting with element 'regional'. One of '{annexV_species}' is expected.

A successful Run QA #1 on the species report is shown.

### QA result for file FR\_species\_reports-20190222-160643.xml

#### XML Schema validation

**OK** XML Schema validation passed without errors.

The file was validated against [http://dd.eionet.europa.eu/schemas/habitatsdirective/art17\\_species.xsd](http://dd.eionet.europa.eu/schemas/habitatsdirective/art17_species.xsd)

Run QA #2: This QA check ensures the reported data comply with the validation rules<sup>10</sup> i.e. that essential fields are completed, data is in the correct format etc. Below is an example of QA #2 highlighting errors with data entry for a species. The error messages are described as either error, warning or blocker<sup>11</sup>.

<sup>10</sup> Validation rules

([http://cdr.eionet.europa.eu/help/habitats\\_art17/Reporting2019/Art17\\_Validation\\_rules\\_habitats\\_directive.xls](http://cdr.eionet.europa.eu/help/habitats_art17/Reporting2019/Art17_Validation_rules_habitats_directive.xls))

<sup>11</sup> Error = a major error but data reported is not blocked, Warning = a potential (or insignificant) error and data reported is not blocked, Blocker = a major error and data reported is blocked in tool and/or Reportnet.

Annex B - 6 Population		
6.13a Long-term trend Magnitude - Minimum #=>	ERROR - S132 <b>t</b>	Incorrect data format. Numeric field, only decimals greater or equal 0 are permitted.
6.13b Long-term trend Magnitude - Maximum #=>	ERROR - S134 <b>30    t</b>	6.13b Long-term trend Magnitude - max should be greater or equal min. -empty-
Annex B - 8 Main pressures and threats		
8.1a Characterisation of pressures/threats - pressurecode #=>	BLOCKER - S170 <b>u01</b>	Invalid code. <b>Error record</b> Please check the vocabulary threats. <b>Expanded error description</b>
Annex B - 11 Conclusions		
11.4 Conclusions - Future prospects #=>	BLOCKER - S221 <b>o</b>	Invalid code. Please check the vocabulary assessments.

At the initial view each error record (line) provides (from the left) the field name it is associated with, error type (error, blocker, warning) and code and a brief error definition (e.g. Invalid code). Each error is associated with an error code (e.g. **BLOCKER - S170**) that is detailed in the validation rules document.

Clicking the field name will expand the detailed error description (as shown in the figure above) composed of value(s) entered into the field (see the figure above, e.g. **30 || t**) and the error definition.

In some specific situations, the Run QA #2 button is not available ('n/a' is shown instead). This may occur if file sizes are too large. In order to get this QA result, it's necessary to use the 'Run full QA' function. To ensure that the issue is indeed the file size, click the link to the XML field and the following message will appear:

You are here: Eionet » CDREST » Spain » European Union (EU), obligations » Habitats Directive: Report on Implementation Measures » ETCtest » ES\_species\_reports-20190130-173856.xml

**Services**

- Search
- Notifications
- Help
- Manage

**Account Services**

I have

- lost my password

**Note**

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

**Your password**

We will force a renewal of all passwords soon! [\(More...\)](#)

**File: ES\_species\_reports-20190130-173856.xml** [Back to envelope](#)

View file as

- Original

No conversions available for this document.

Change file

Local upload: [Parcourir...](#) Aucun fichier sélectionné. [Upload](#)

Edit file properties

**Title**

**Schema location** [http://dd.eionet.europa.eu/schemas/habitatsdirective/art17\\_species.xsd](http://dd.eionet.europa.eu/schemas/habitatsdirective/art17_species.xsd)

**File size** 10.1 MB (10602434 Bytes)

**Last uploaded** 30 Jan 2019 17:41

**Restricted from public view**  [Change](#)

Quality assessment

**File too large to run the <em>QA checks</em> quality assessment script directly. Use the feedback generated by the <em>automatic quality assessment</em> to view the results.**

Feedback posted for this file

- AutomaticQA result for file ES\_species\_reports-20190130-173856.xml: QA checks (Posted automatically on 30 Jan 2019)

Document last modified 2019/01/30. [Legal notice](#)

**'Run envelope QA'** is the procedure to check the presence or absence of mandatory files. Highlighted in red below is an example where some mandatory files are missing<sup>12</sup> (so the delivery will be blocked). Optional files are also highlighted in orange just as a reminder.

**QA result for envelope**

**Validation of content of delivery (presence of mandatory files)**

1) Mandatory files check results:

Some of mandatory files below are missing:

- Habitats distribution: FR\_Art17\_habitats\_distribution%
- Species distribution: FR\_Art17\_species\_distribution%
- Habitat reports: FR\_habitats\_reports%.xml
- Species reports: FR\_species\_reports%.xml
- General report: FR\_general\_report.xml

2) Optional files check results:

Some of optional files below are missing:

- Habitat check-list: FR\_habitats\_checklist.xml
- Species check-list: FR\_species\_checklist.xml

**To note:** The '%' at the end of the file name in the figure above is automatically inserted by CDR for this automated feedback. See file naming convention in Table 2.1 for details on file names

<sup>12</sup> If any files as part of the data delivery are not named correctly, these will register as 'missing files'.

Below is an example of feedback where all data files have been submitted but where the envelope QA failed because the files did not adhere to the naming convention. These files will be registered as missing files.

[Back to envelope](#)

**Feedback: AutomaticQA result for: Article 17 envelope**

<b>Subject:</b>	AutomaticQA result for: Article 17 envelope
<b>Posted automatically on:</b>	11 Mar 2019 19:05
<b>Task:</b>	Automatic quality assessment
<b>Feedback status:</b>	blocker
<b>Feedback message:</b>	1) Mandatory files check results: Some of mandatory files below are missing: Habitats distribution: FR_Art17_habitats_distribution% Species distribution: FR_Art17_species_distribution% 2) Optional files check results: All mandatory files are present.

**Validation of content of delivery (presence of mandatory files)**

1) Mandatory files check results:

Some of mandatory files below are missing:

- Habitats distribution: FR\_Art17\_habitats\_distribution%
- Species distribution: FR\_Art17\_species\_distribution%

2) Optional files check results:

All mandatory files are present.

**'Run full QA'** runs all QA procedures on all files within the envelope. In addition, it informs the user whether the delivery of data in the envelope can be accepted by CDR or not. The result of the **Run full QA** for a data delivery is shown below (QA returns: delivery not acceptable & QA returns: delivery acceptable).

Clicking the Run full QA once all files are uploaded may take a substantial amount of time<sup>13</sup>. During this process, the envelope can be exited and the user may log out of the CDR site as the QA procedure will continue to run in the background. Progress can be monitored as highlighted below; the message beside the spinning wheel icon inform the processes the CDR is performing and will change as the QA is being undertaken on the different files.

---

<sup>13</sup> This depends on the size of the files.

Overview Edit properties History

**Article 17 data delivery\_DRAFT** Zip envelope

**Description** Article 17 species & habitats tabular and spatial data files for reporting period 2013 - 2018.  
**Obligations** [Report on progress and implementation \(Article 17, Habitats Directive\)](#)  
**Period** 2018 - Not applicable  
**Coverage** France  
**Status** Task(s) in progress: Delete automatic QA feedback

**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	<a href="#">FR_art17_reporting.gdb.zip</a>	FR_art17_reporting.gdb	01 Mar 2019	368 KB
2	<a href="#">FR_general_report.xml</a>		01 Mar 2019	3.55 KB
3	<a href="#">FR_habitats_checklist.xml</a>		01 Mar 2019	778 B
4	<a href="#">FR_habitats_reports-20190222-160642.xml</a>		01 Mar 2019	11.6 KB
5	<a href="#">FR_species_checklist.xml</a>		01 Mar 2019	1.72 KB
6	<a href="#">FR_species_reports-20190222-160643.xml</a>		01 Mar 2019	28.3 KB

Remember to release the envelope when you have uploaded all files

Feedback for this envelope  
 No feedback posted in this envelope

After running the procedure, the 'Feedback for this envelope' section across the bottom of the page has been populated with a series of automated notices<sup>14</sup>. These include:

- Automatic validation saying whether the uploaded data are acceptable (i.e. do not contain blockers) or not. This is located at the top of the list.
- Feedbacks from both the QA checks (*Run QA #2*) and the schema validation (*Run QA #1*) for each XML file.

**QA returns: delivery not acceptable (some of the uploaded files contains blocker errors):**

If the QA procedure fails (see below), the feedback to the envelope will contain at the top of the list 'Automatic validation: Data delivery was not acceptable' (see below).

<sup>14</sup> Re-running the Run full QA will replace the previous QA feedback.

Overview
Edit properties
History
Data quality

### ETC\_workflow\_final6

**Description** Reports with blockers

**Obligations** [Report on progress and implementation \(Article 17, Habitats Directive\)](#)

**Period** 2018 - Not applicable

**Coverage** France

**Status** Task(s) waiting to be assigned: [Activate task: Draft](#) (Draft delivery)  
**The last AutomaticQA run has flagged this envelope as unfit for release.**  
**Some automatic data quality checks finished with an unknown result, see [Data quality](#).**

**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	<a href="#">FR_general_report.xml</a>	FR_general_report.xml	11 Mar 2019 3.55 KB
2	<a href="#">FR_habitats_checklist.xml</a>	FR_habitats_checklist.xml	11 Mar 2019 778 B
3	<a href="#">FR_habitats_reports-20190311-110113.xml</a>	FR_habitats_reports-20190311-110113.xml	11 Mar 2019 11.6 KB
4	<a href="#">FR_species_checklist.xml</a>	FR_species_checklist.xml	11 Mar 2019 1.72 KB
5	<a href="#">FR_species_reports-20190311-110114.xml</a>	FR_species_reports-20190311-110114.xml	11 Mar 2019 28.3 KB
6	<a href="#">GIS_correct_name.zip</a>		11 Mar 2019 5.07 MB

**Remember to release the envelope when you have uploaded all files**

Feedback for this envelope

- i [Automatic validation: Data delivery was not acceptable](#) (Posted automatically on 11 Mar 2019)
- i [AutomaticQA result for file FR\\_general\\_report.xml: QA checks](#) (Posted automatically on 11 Mar 2019)
- i [AutomaticQA result for file FR\\_general\\_report.xml: XML Schema validation](#) (Posted automatically on 11 Mar 2019)
- i [AutomaticQA result for file FR\\_habitats\\_checklist.xml: QA checks](#) (Posted automatically on 11 Mar 2019)
- i [AutomaticQA result for file FR\\_habitats\\_checklist.xml: XML Schema validation](#) (Posted automatically on 11 Mar 2019)
- i [AutomaticQA result for file FR\\_habitats\\_reports-20190311-110113.xml: QA checks](#) (Posted automatically on 11 Mar 2019)
- i [\[BLOCKER\] AutomaticQA result for file FR\\_habitats\\_reports-20190311-110113.xml: XML Schema validation](#) (Posted automatically on 11 Mar 2019)
- i [AutomaticQA result for file FR\\_species\\_checklist.xml: QA checks](#) (Posted automatically on 11 Mar 2019)
- i [AutomaticQA result for file FR\\_species\\_checklist.xml: XML Schema validation](#) (Posted automatically on 11 Mar 2019)
- i [\[BLOCKER\] AutomaticQA result for file FR\\_species\\_reports-20190311-110114.xml: QA checks](#) (Posted automatically on 11 Mar 2019)
- i [\[BLOCKER\] AutomaticQA result for file FR\\_species\\_reports-20190311-110114.xml: XML Schema validation](#) (Posted automatically on 11 Mar 2019)
- i [AutomaticQA result for: Article 17 envelope](#) (Posted automatically on 11 Mar 2019)

[Zip envelope](#)

[Activate task](#)

This data delivery will not be accepted by CDR unless necessary corrections are made. Clicking on the link to this notice will show a list of the files that are preventing the data delivery. The files where blockers are activated will have the flag [BLOCKER]. Other files in the image below have highlighted other issues by the flag [INFO]. These files will not prevent the envelope from being released, only the files where blockers are activated will do this. Clicking on the links will provide more information about fields in the XML files that are causing issues.



Feedback: Automatic validation: Data delivery was not acceptable	
<b>Subject:</b>	Automatic validation: Data delivery was not acceptable
<b>Posted automatically on:</b>	11 Mar 2019 18:27
<b>Feedback status:</b>	empty
<b>Feedback message:</b>	empty

[Back to envelope](#)

**Data is refused**

Your delivery can not be accepted as one or more of the acceptance conditions were not met:

- not all mandatory files (including projection file for spatial data) have been submitted or are valid (see [\[blocker\] AutomaticQA result for Article 17 envelope](#).)
- general report file does not conform to the data model defined in the XML schema (see [\[INFO\] AutomaticQA result for file FR\\_general\\_report.xml: XML Schema validation](#).)
- habitats report file does not conform to the data model defined in the XML schema (see [\[BLOCKER\] AutomaticQA result for file FR\\_habitats\\_reports-20190311-110113.xml: XML Schema validation](#).)
- species report file does not conform to the data model defined in the XML schema (see [\[BLOCKER\] AutomaticQA result for file FR\\_species\\_reports-20190311-110114.xml: XML Schema validation](#).)
- habitats checklist file does not conform to the data model defined in the XML schema (see [\[INFO\] AutomaticQA result for file FR\\_habitats\\_checklist.xml: XML Schema validation](#).)
- species checklist file does not conform to the data model defined in the XML schema (see [\[INFO\] AutomaticQA result for file FR\\_species\\_checklist.xml: XML Schema validation](#).)
- general report contains errors identified as blockers (not relevant)
- habitats report contains errors identified as blockers (not relevant)
- species report contains errors identified as blockers (see [\[BLOCKER\] AutomaticQA result for file FR\\_species\\_reports-20190311-110114.xml: QA checks](#).)

The conditions for accepting Member State deliveries are outlined in Annex 1 "Rules for the acceptance of Member State deliveries in Reportnet" of the Delivery Manual for Articles 12 and 17.

For additional information contact [nature\\_helpdesk@eionet.europa.eu](mailto:nature_helpdesk@eionet.europa.eu)

The delivery was submitted by: (user name: *reporter*)

The above data delivery has been rejected due to blockers. The blockers need to be addressed before data can be accepted.

### QA returns: delivery acceptable

If all QA procedures are passed and there are no blockers, 'Automatic validation Data delivery was acceptable (1<sup>st</sup> feedback)' states that data delivery was acceptable. The data delivery will be successful (won't be blocked by CDR).

Note: If 'Run full QA' is successful, the envelope is sent to 'Activate task: Release or back to drafting' status. This is because the Run full QA re-uses routines implemented at the very beginning of the 'Release envelope step'. Click 'Activate task' and 'Back to drafting' to continue working in the envelope.

### 3.4 Release envelope

If the delivery is ready (Run full QA returns: 'delivery acceptable'), proceed with releasing the envelope. **Only if the envelope is released the data are considered delivered.**

‘Release envelope’ will re-run full QA and the user will be asked to confirm ‘release to public’.

**Release or go back to drafting?** Deactivate task

The envelope is currently not released for the public. If you want to change your delivery as a reaction to the feedback, then you must click on "Back to drafting" and continue changing the files. If you consider your delivery finalised, click on "Release to public" and the ETC will start reviewing it.

Back to drafting Release to public Rerun automatic QA

Feedback for this envelope

- [Automatic validation: Data delivery is acceptable](#) (Posted automatically on 01 Mar 2019)
- [AutomaticQA result for: Article 17 envelope](#) (Posted automatically on 01 Mar 2019)

After clicking ‘Release to public’, the delivery becomes public and cannot be modified any more. A receipt of delivery is automatically generated by the CDR and posted to the feedback area of the envelope. It confirms that the report was delivered in CDR, mentioning the date of submission to CDR and providing a link to the Member State envelope and the list of submitted files.

Files in this envelope

1	<a href="#">FR_Art17_reporting.shx</a>	<i>FR_Art17_reporting.shx</i>	11 Mar 2019	2.46 KB
2	<a href="#">FR_general_report.xml</a>	<i>FR_general_report.xml</i>	11 Mar 2019	3.55 KB
3	<a href="#">FR_habitats_checklist.xml</a>	<i>FR_habitats_checklist.xml</i>	11 Mar 2019	778 B
4	<a href="#">FR_habitats_reports-20190311-110113.xml</a>	<i>FR_habitats_reports-20190311-110113.xml</i>	11 Mar 2019	11.6 KB
5	<a href="#">FR_species_checklist.xml</a>	<i>FR_species_checklist.xml</i>	11 Mar 2019	1.72 KB
6	<a href="#">FR_species_reports-20190311-110114.xml</a>	<i>FR_species_reports-20190311-110114.xml</i>	11 Mar 2019	28.3 KB

Feedback for this envelope

- [Automatic validation: Data delivery is acceptable](#) (Posted automatically on 11 Mar 2019)
- [AutomaticQA result for file FR\\_general\\_report.xml: QA checks](#) (Posted automatically on 11 Mar 2019)
- [AutomaticQA result for file FR\\_general\\_report.xml: XML Schema validation](#) (Posted automatically on 11 Mar 2019)
- [AutomaticQA result for file FR\\_habitats\\_checklist.xml: QA checks](#) (Posted automatically on 11 Mar 2019)
- [AutomaticQA result for file FR\\_habitats\\_checklist.xml: XML Schema validation](#) (Posted automatically on 11 Mar 2019)
- [AutomaticQA result for file FR\\_habitats\\_reports-20190311-110113.xml: QA checks](#) (Posted automatically on 11 Mar 2019)
- [AutomaticQA result for file FR\\_habitats\\_reports-20190311-110113.xml: XML Schema validation](#) (Posted automatically on 11 Mar 2019)
- [AutomaticQA result for file FR\\_species\\_checklist.xml: QA checks](#) (Posted automatically on 11 Mar 2019)
- [AutomaticQA result for file FR\\_species\\_checklist.xml: XML Schema validation](#) (Posted automatically on 11 Mar 2019)
- [AutomaticQA result for file FR\\_species\\_reports-20190311-110114.xml: QA checks](#) (Posted automatically on 11 Mar 2019)
- [AutomaticQA result for file FR\\_species\\_reports-20190311-110114.xml: XML Schema validation](#) (Posted automatically on 11 Mar 2019)
- [AutomaticQA result for: Article 17 envelope](#) (Posted automatically on 11 Mar 2019)
- [Receipt of delivery of the Report on progress and implementation \(Article 17, Habitats Directive\)](#) (Posted automatically on 11 Mar 2019)

This receipt of data delivery needs then to be forwarded to the European Commission via the Member State’s Permanent Representation to the EU (see below section 3.5).

After this step, additional feedback may be provided by the ETC and the Member State may be requested to resubmit data.

### 3.5 Finalising the data delivery

After the delivery in CDR, Member States should send an official letter (see Annex I) via its Permanent Representation to the Commission (addressed to Mr. Nicola Notaro, Nature Protection Unit, DG Environment) including the receipt of delivery generated by CDR System and making reference to the relevant Directive (Article 17 of the Habitats Directive) and the agreed reporting framework.

















## 4 Post-data submission

### 4.1 Correction of data needed

Unlike the previous reporting round, there is no standardised “2<sup>nd</sup> delivery” for Member States. Under exceptional circumstances however (see ‘Annex 2 Potential resubmission of the national reports’) a request might be made for a Member State to resubmit their data based on both a **technical and expert check** carried out by the ETC, after the data have been delivered according to the procedure outlined above (Section 3).

Where a resubmission is necessary, the ETC will issue a ‘feedback’ to the original envelope and will ‘request redelivery’. This means that original data can not be used prior to corrections by the Member State and that the Member State is requested to resubmit their report. In addition, ‘Further instruction for requested redelivery’ feedback is posted at the bottom of the feedback part, which should be followed when preparing the resubmission. Data coordinators who subscribed for notifications (see p. 15) will be notified automatically. It is therefore necessary that the coordinators subscribe for notification in order to be informed on any changes of the envelope status (posting feedback by ETC, requesting resubmission or completing the envelope).

Feedback for this envelope

-  [QA report - delivery rejected](#) (Posted on 12 Mar 2019 for the 11 Mar 2019 release) 
-  [Automatic validation: Data delivery is acceptable](#) (Posted automatically on 11 Mar 2019)
-  [AutomaticQA result for file FR\\_general\\_report.xml: QA checks](#) (Posted automatically on 11 Mar 2019)
-  [AutomaticQA result for file FR\\_general\\_report.xml: XML Schema validation](#) (Posted automatically on 11 Mar 2019)
-  [AutomaticQA result for file FR\\_habitats\\_checklist.xml: QA checks](#) (Posted automatically on 11 Mar 2019)
-  [AutomaticQA result for file FR\\_habitats\\_checklist.xml: XML Schema validation](#) (Posted automatically on 11 Mar 2019)
-  [AutomaticQA result for file FR\\_habitats\\_reports-20190311-110113.xml: QA checks](#) (Posted automatically on 11 Mar 2019)
-  [AutomaticQA result for file FR\\_habitats\\_reports-20190311-110113.xml: XML Schema validation](#) (Posted automatically on 11 Mar 2019)
-  [AutomaticQA result for file FR\\_species\\_checklist.xml: QA checks](#) (Posted automatically on 11 Mar 2019)
-  [AutomaticQA result for file FR\\_species\\_checklist.xml: XML Schema validation](#) (Posted automatically on 11 Mar 2019)
-  [AutomaticQA result for file FR\\_species\\_reports-20190311-110114.xml: QA checks](#) (Posted automatically on 11 Mar 2019)
-  [AutomaticQA result for file FR\\_species\\_reports-20190311-110114.xml: XML Schema validation](#) (Posted automatically on 11 Mar 2019)
-  [AutomaticQA result for: Article 17 envelope](#) (Posted automatically on 11 Mar 2019)
-  [Further instructions for requested redelivery](#) (Posted automatically on 12 Mar 2019) 


The 'QA report – delivery rejected' feedback provides further details of why the redelivery is needed and actions to be taken for data resubmission.

At this point the envelope is in 'redelivery requested' status and is only accessible to the data coordinators. No further work can be done in this folder but the new envelope for redelivery is automatically created (the link and further instructions are provided in the 'Further instructions for requested redelivery' – see below).

**Envelope:** ETC\_workflow\_final3  
**Location:** [https://cdrtest.eionet.europa.eu/fr/colwl8reg/colwl8sva/envxiz\\_gg](https://cdrtest.eionet.europa.eu/fr/colwl8reg/colwl8sva/envxiz_gg)

Serious errors preventing further use of the reported information were identified and details can be found in the Feedback section for your envelope (see QA report on Article 17 delivery - redelivery requested).

To facilitate your re-submission a new envelope has been created at the following link and all the reported data/submitted files have been copied there:

<https://cdrtest.eionet.europa.eu/fr/colwl8reg/colwl8sva/envxifdla> 

Please use this newly created envelope to correct your data and make a re-submission.

For additional information contact [nature\\_helpdesk@eionet.europa.eu](mailto:nature_helpdesk@eionet.europa.eu)

*This confirmation letter is electronically generated by the Reportnet system and therefore not signed.*

The new envelope for the redelivery will be named as the original but with the suffix “- Redelivery” at the end. This envelope will be populated with the files from the original envelope.

## 4.2 Delivery completed

If the data upload (or corrected data reupload) passes the QA procedures and has satisfied the ETC technical and expert check, the ETC will set the envelope to 'accept delivery' and will post an 'Envelope is complete' status to the envelope.

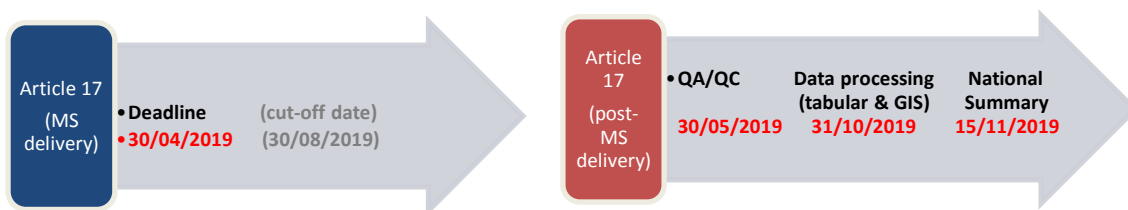
<b>Description</b>	
<b>Obligations</b>	<a href="#">Report on progress and implementation (Article 17, Habitats Directive)</a>
<b>Period</b>	2018 - Not applicable
<b>Coverage</b>	France
<b>Status</b>	Envelope is complete

Additional feedback may be posted to the envelope before completing, summarising all necessary corrections of reported data in harmonised EU dataset<sup>15</sup>

### 4.3 Timeline for data re-delivery

The deadline for data delivery has been set for 30<sup>th</sup> April 2019

**Figure 4-1 Timeline for data delivery**



- The cut-off date for Article 17 reporting is for possible resubmission of data by a Member State, should the need arise as a result of failure in the initial QA/QC check by the ETC/BD & EEA (which takes place within 1 month of data submission).

<sup>15</sup> As specified in document (<https://circabc.europa.eu/d/a/workspace/SpacesStore/e4574a88-6d35-4616-97b4-af0ad53e9f6a/Point%20c%20-%20Note%20on%20submission%20of%20national%20reports.docx>), after the submission, the reported data undergo a checking and harmonisation process (e.g. harmonising the codes for type of occurrence in the Member State reported checklists, harmonising the format of trend magnitudes, harmonising the indication of 'sensitive species' between tabular and spatial data, etc.). As a part of this process some smaller errors may be corrected by ETC in the 'harmonised' dataset (after communication with Member State). Harmonised data from Member States are merged to produce European datasets; these datasets will be used to produce a variety of statistics, analysis and assessments, including the National Summaries and European Commission composite report.

## 5 Links to other data sources

European Terrestrial Reference System 1989 Lambert Azimuthal Equal Area Latitude of origin 52 N, Longitude of origin (central meridian) 10°E.

(<http://www.eionet.europa.eu/gis>)

XML Schemas (<https://dd.eionet.europa.eu/schemaset/habitatsdirective/view>)

Data dictionaries

(<https://dd.eionet.europa.eu/vocabularies?expand=true&expanded=&folderId=30#folder-30>)

Validation rules

([http://cdr.eionet.europa.eu/help/habitats\\_art17/Reporting2019/Art17\\_Validation\\_rules\\_habitats\\_directive.xls](http://cdr.eionet.europa.eu/help/habitats_art17/Reporting2019/Art17_Validation_rules_habitats_directive.xls))

## Annex I Example of letter informing the European Commission of data delivery

Each Member State sends the confirmation receipt from the CDR after the successful delivery to its Permanent Representation to the EU. This is an example of letter to be send to the European Commission from the Permanent Representation of the Member State about the data delivery to the CDR:

Mr. Nicola Notaro  
Nature Protection Unit  
DG Environment  
European Commission  
B – 1049 Brussels  
Belgium  
[Date]

### **Subject: Delivery of national report under Article 17 of the Habitats Directive**

Dear Mr. Notaro,

On behalf of [**Member State**], I would like to inform you of the delivery of the [**Member State**] national report as required by Article 17 of Council Directive 92/43/EEC on the conservation of natural habitats and of wild fauna and flora. I attach the confirmation receipt of this delivery.

Sincerely yours,

---

Permanent Representation to the EU of [**Member State**]

Attachment:

**Feedback: Receipt of delivery of the Report on progress and implementation (Article 17, Habitats Directive)**

<b>Subject:</b>	Receipt of delivery of the Report on progress and implementation (Article 17, Habitats Directive)
<b>Posted automatically on:</b>	11 Mar 2019 15:11
<b>Feedback status:</b>	empty
<b>Feedback message:</b>	empty

European Environment Agency  
Kongens Nytorv 6  
DK 1050 Copenhagen K

**To Whom It May Concern**

This is a confirmation of receipt for national data submissions under the reporting obligation

- [Report on progress and implementation \(Article 17, Habitats Directive\)](#)

The following delivery has been submitted for 'Member State' to the Reportnet Central Data Repository (CDR) and was made available on **30 April 2019**

Envelope:	Art 17 delivery
Location:	<a href="https://cdrtest.eionet.europa.eu/...">https://cdrtest.eionet.europa.eu/...</a>

List of files:

- [XX Art17 reporting.gdb](#)
- [XX general\\_report.xml](#)
- [XX habitats\\_checklist.xml](#)
- [XX habitats\\_reports-20190311-110113.xml](#)
- [XX species\\_checklist.xml](#)
- [XX species\\_reports-20190311-110114.xml](#)

The above-mentioned files were submitted by user: coordinator

In order to officially confirm this electronic data submission, please append this receipt to the communication from your Permanent Representation to the European Union to the European Commission.

In exceptional cases, a redelivery of this report can be requested (see Delivery manual for Article 17 data for more details) in order to correct errors that will prevent data from being used.

*This confirmation is electronically generated by the Reportnet system and therefore not signed.*



## Annex II Rules for submitting the national reports

### Rules for the acceptance of Member State deliveries on CDR<sup>16</sup>

The dataset consisting the national Article 17 reports should:

- be complete (contain all mandatory files, follow the naming convention specified in Delivery manuals);
- conform to standard file formats as specified in Delivery manuals and
- adhere to 'principal data quality requirements'

**Not fulfilling these conditions will prevent the national data from being submitted via CDR** (it will not be possible to accomplish successfully the reporting task on CDR). Further details are provided below.

#### Complete set of files following the naming convention

This manual specifies the list of mandatory files that should be uploaded to the Member State envelopes as the national Article 17 reports and file names to be used.

#### Standard file formats

The tabular data collected by Member States will ultimately be delivered to CDR using XML file format. Principal standards (e.g. field names, xml structure) of xml files composing the Member State delivery are provided in XML schemas<sup>17</sup> available also via the Article 17 Reference portal<sup>18</sup>.

The spatial data should be delivered using file formats and following specifications outlined in this Delivery manual.

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<sup>16</sup> <https://circabc.europa.eu/d/a/workspace/SpacesStore/e4574a88-6d35-4616-97b4-af0ad53e9f6a/Point%20c%20-%20Note%20on%20submission%20of%20national%20reports.docx>

<sup>17</sup> <https://dd.eionet.europa.eu/schemaset/habitatsdirective/view>

<sup>18</sup> [http://cdr.eionet.europa.eu/help/habitats\\_art17](http://cdr.eionet.europa.eu/help/habitats_art17)

## Principal data quality requirements

Principal data quality requirements consist of a series of validation conditions which must be fulfilled in order to submit the data via CDR. These rules (together with the data type properties defined in the xml schemas) concern quality issues that would prevent data delivered in the xml format from being converted into a workable database. These are for example missing habitat/species or Member State codes or using codes for structured information which are not included in the Data Dictionaries.

The list of validation rules (blockers) that would block the dataset from being delivered via CDR is provided in the Reference portals<sup>19</sup> (together with the total list of validation rules).

The lists of codes to be used for the structured information in the report formats (and xml schemas) are available via EEA Data Dictionaries webpages under 'Vocabularies'<sup>20</sup> : 'art12\_2018' and 'art17\_2018'

## Potential resubmission of the national reports

In general, unless the national delivery contains significant issues, only one submission of Article 17 national reports is expected.

However, in cases specified below and in case some serious issues preventing further use of the information will be identified, Member States will be requested to consider the resubmission of their national reports.

## The quality issues triggering the request for resubmission of national reports

### Article 17 reports

- Overall assessment of Conservation Status (fields 10.5 for habitat and 11.5 for species) is not following the General evaluation matrices (Annex C - Assessing

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<sup>19</sup> Validation rules for Article 17 reporting tool and CDR  
[http://biodiversity.eionet.europa.eu/activities/Reporting/Article\\_17/Reports\\_2019/Files\\_2019/Art17\\_Validation\\_rules\\_habitats\\_directive%2020180625.xls](http://biodiversity.eionet.europa.eu/activities/Reporting/Article_17/Reports_2019/Files_2019/Art17_Validation_rules_habitats_directive%2020180625.xls)

<sup>20</sup> <http://dd.eionet.europa.eu/vocabularies>

conservation status of a species and Annex E - Assessing conservation status of a habitats type)

- Conclusions for parameters (fields 10.1-10.4 for habitat and 11.1-11.4 for species) are incoherent with underlying information for parameters (e.g. referenced values)
- Overall trend in Conservation Status (fields 10.6 for habitat and 11.6 for species) is incoherent with underlying information for parameters
- Area of habitat (fields 5.2 Surface area) is incorrect (e.g. Minimum' is bigger than 'Maximum', 'Best single value' is not in the interval Minimum - Maximum, ambiguous use of 0, sum of habitat area of all reported habitats is bigger than the area of a biogeographical / marine region)
- Distribution maps do not follow the specifications in the Delivery manual
- Distribution maps are incoherent with tabular information in terms of habitat/species codes used
- Pressure or threats (section '7 Main pressures and threats' for habitats or '8 Main pressures and threats' for species) are not following the requirement of maximum of 10 reported pressures or threats and maximum of 5 ranked 'High' for each.