

# WFD2016 workshop

## Exercise 3: Reporting on GWB at districts level

### Exercise summary

The exercise will focus on France most up to date data under WFD2016

- I. Fulfil Access DB and use the conversion tool from Access to XML
- II. CDR workflow exercise:
  - a. Create and envelope at the specific RBD level
  - b. Add file
  - c. Quality Assurance (QA) checks
  - d. Replace wrong file
  - e. Release data

gwPollutantID	euGroundWaterBodyCode	gwPollutant	gwPollutantCode
3	FRHG001	EEA_00-00-0 - Other chemical parameter	EEA_00-00-0 - Other chemical parameter
4	FRHG001	EEA_33-01-2 - Alkalisated benzene	EEA_33-01-2 - Alkalisated benzene
5	FRHG003	EEA_33-02-3 - Benzol	EEA_33-02-3 - Benzol
6	FRHG003	EEA_33-04-5 - Brominated flame retardants	EEA_33-04-5 - Brominated flame retardants
7	FRHG003	EEA_33-05-6 - BTEX	EEA_33-05-6 - BTEX
8	FRHG003	EEA_33-06-7 - Chlorinated benzene	EEA_33-06-7 - Chlorinated benzene
9	FRHG004	EEA_33-07-8 - Chlorinated phenol	EEA_33-07-8 - Chlorinated phenol
10	FRHG004	EEA_33-08-9 - Chromium 3+	EEA_33-08-9 - Chromium 3+
11	FRHG004	EEA_33-09-0 - Detergents	EEA_33-09-0 - Detergents
12	FRHG004	EEA_33-10-3 - Dichlorobenzene	EEA_33-10-3 - Dichlorobenzene
13	FRHG004	EEA_33-11-4 - Dichlorophenol	EEA_33-11-4 - Dichlorophenol
14	FRHG004	EEA_33-13-6 - Diox	EEA_33-13-6 - Diox
15	FRHG004	EEA_33-14-7 - Extractable organically bound chlorine	EEA_33-14-7 - Extractable organically bound chlorine
16	FRHG004	EEA_33-15-8 - Halogenated organic compounds	EEA_33-15-8 - Halogenated organic compounds
17	FRHG005	EEA_33-17-0 - Hydrocarbons	EEA_33-17-0 - Hydrocarbons
18	FRHG005	EEA_33-18-1 - Meta xylene + para xylene	EEA_33-18-1 - Meta xylene + para xylene
19	FRHG006	CAS_1912-24-9 - Atrazine	CAS_1912-24-9 - Atrazine
20	FRHG006	CAS_6190-65-4 - Desethylatrazine	CAS_6190-65-4 - Desethylatrazine
21	FRHG006	CAS_3397-62-4 - Deisopropyldeethylatrazine	CAS_3397-62-4 - Deisopropyldeethylatrazine
22	FRHG006	CAS_14797-55-8 - Nitrate	CAS_14797-55-8 - Nitrate
23	FRHG006	CAS_319-84-6 - Alpha-HCH	CAS_319-84-6 - Alpha-HCH
24	FRHG007	CAS_14797-55-8 - Nitrate	CAS_14797-55-8 - Nitrate
25	FRHG007	EEA_33-42-1 - Total trichloroethylene + tetrachloroethylene	EEA_33-42-1 - Total trichloroethylene + tetrachloroethylene
26	FRHG007	CAS_127-18-4 - Tetrachloroethylene	CAS_127-18-4 - Tetrachloroethylene
27	FRHG101	CAS_3397-62-4 - Deisopropyldeethylatrazine	CAS_3397-62-4 - Deisopropyldeethylatrazine



**EIONET**  
Central Data Repository

Overview Task list Edit properties

### River Basin Districts

Obligation(s) [Water Framework Directive - River Basin Management Plans - 2016 RBD XML data](#)

New referral

New collection

#### Envelopes and subcollections

<input type="checkbox"/> <a href="#">AT1000 - DANUBE</a>	12 Nov 2015
<input type="checkbox"/> <a href="#">AT2000 - RHINE</a>	09 Nov 2015
<input type="checkbox"/> <a href="#">AT5000 - ELBE</a>	09 Nov 2015

Cut Copy Delete

# I. Fulfil Access DB and convert it into XML

1. Go to CDR Reporting Page and download the Access DB template and the excel with the mapping between Access BD tables and Schemas ([http://cdr.eionet.europa.eu/help/WFD/WFD\\_521\\_2016/](http://cdr.eionet.europa.eu/help/WFD/WFD_521_2016/))
2. Edit the Access DB and insert your data
3. Save your Access DB
4. Use the conversion tool for Access to XML at CDR Reporting Page ([http://cdr.eionet.europa.eu/help/WFD/WFD\\_521\\_2016/](http://cdr.eionet.europa.eu/help/WFD/WFD_521_2016/))

1

## Access Database

This is the Access database you can use to report on WFD 2016:

- Access Database (Microsoft Access 2003) v6.0.2
- A spreadsheet mapping the Access database v6.0.2 tables to the schema elements v6.0.2

gWPollutantID	euGroundWaterBodyCode	gWPollutantCode
3	FRHG001	EEA_00-00-0 - Other chemical parameter
4	FRHG001	EEA_00-00-0 - Other chemical parameter
5	FRHG003	EEA_33-01-2 - Alkalisied benzene
6	FRHG003	EEA_33-02-3 - Benzol
7	FRHG003	EEA_33-04-5 - Brominated flame retardants
8	FRHG003	EEA_33-05-6 - BTEX
9	FRHG004	EEA_33-06-7 - Chlorinated benzene
10	FRHG004	EEA_33-07-8 - Chlorinated phenol
11	FRHG004	EEA_33-08-9 - Chromium 3+
12	FRHG004	EEA_33-09-0 - Detergents
13	FRHG004	EEA_33-10-3 - Dichlorobenzene
14	FRHG004	EEA_33-11-4 - Dichlorophenol
15	FRHG004	EEA_33-13-6 - DOX
16	FRHG004	EEA_33-14-7 - Extractable organically bound chlorine
17	FRHG005	EEA_33-15-8 - Halogenated organic compounds
18	FRHG005	EEA_33-17-0 - Hydrocarbons
19	FRHG006	EEA_33-18-1 - Meta xylene + para xylene
20	FRHG006	CAS_1912-24-9 - Atrazine
21	FRHG006	CAS_6190-65-4 - Desethylatrazine
22	FRHG006	CAS_3397-62-4 - Deisopropyldeethylatrazine
23	FRHG006	CAS_14797-55-8 - Nitrate
24	FRHG007	CAS_319-84-6 - Alpha-HCH
25	FRHG007	CAS_14797-55-8 - Nitrate
26	FRHG007	EEA_33-42-1 - Total trichloroethylene + tetrachloroethylene
27	FRHG101	CAS_127-18-4 - Tetrachloroethylene
		CAS_3397-62-4 - Deisopropyldeethylatrazine

2-3

logical	alpha	Table name	Path
97	22	GWB	GWB
98	10	GroundWaterBody	GWB/GroundWaterBody
99	11	GroundWaterBody_gwChemicalReasonsForFailure	GWB/GroundWaterBody/gwChemicalReasonsForFailure
100	12	GroundWaterBody_gwQuantitativeExemptionPressure	GWB/GroundWaterBody/gwQuantitativeExemptionPressure
101	13	GroundWaterBody_gwQuantitativeExemptionType	GWB/GroundWaterBody/gwQuantitativeExemptionType
102	14	GroundWaterBody_gwQuantitativeReasonsForFailure	GWB/GroundWaterBody/gwQuantitativeReasonsForFailure
103	15	GroundWaterBody_gwReasonsForRiskQuantitative	GWB/GroundWaterBody/gwReasonsForRiskQuantitative
104	16	GroundWaterBody_gwSignificantImpactType	GWB/GroundWaterBody/gwSignificantImpactType
105	17	GroundWaterBody_gwSignificantPressureType	GWB/GroundWaterBody/gwSignificantPressureType
106	39	GWPollutant	GWB/GroundWaterBody/GWPollutant
107	23	GWChemicalExemptionType	GWB/GroundWaterBody/GWPollutant/GWChemicalExemptionType
108	24	GWChemicalExemptionType_gwChemicalExemptionPressure	GWB/GroundWaterBody/GWChemicalExemptionType/gwChemicalExemptionPressure
109	19	GWAssociatedProtectedArea	GWB/GWAssociatedProtectedArea
110	20	GWAssociatedProtectedArea_protectAreaOtherType	GWB/GWAssociatedProtectedArea/protectAreaOtherType
111	21	GWAssociatedProtectedArea_protectedAreaExemption	GWB/GWAssociatedProtectedArea/protectedAreaExemption

4

updated on October 30th 2015

## Water Framework Directive reporting resources



### Export from Access WFD 2016 to WFD 2016 XMLs for reporting in Reportnet

1st Select the Access Data Base.

2nd Click the "Upload File" button.

Source Microsoft Access Database File(s):  no file selected

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File List (Be patient, some files may take a while to upload) :

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In addition, please provide us a valid e-mail address. The system will deliver in your mailbox a link to the generated GML (zipped):

## II.a. Report your data at CDR Reportnet: Create an envelope

1. Go to CDR Reportnet under France
2. Click on European Union (EU), obligations
3. Click the obligation from the page “Water Framework Directive: River Basin Management Plans - 2016 Reporting”
4. Click on River Basin Districts and go to your RBD
5. Log in with your EIONET credentials
6. Click on “New Envelope” in your specific RBD
7. In the Add Envelope page provide:
  - a. Title: YYYYMMDD
  - b. Description: A text describing it
  - c. Click in Add button

Global workspaces

Search by obligation

Search XML files

Recent uploads

EE: mt1  
AT: test01102015  
NL: 16  
NL: 1.4  
NL: foo  
NL: test 2 pds  
NL: title test 1 pds  
NL: title foo pds 2

EEA requests  
European Union (EU), obligations  
Test LCP  
United Nations (UN)  
comif  
Ispedigsd  
test  
test envelope  
test envelope

14 Oct 2013  
09 Nov 2015  
19 Mar 2015  
16 Jan 2013  
01 Jul 2015  
19 Feb 2015  
04 Jul 2014  
02 Dec 2013  
02 Dec 2013

By country By obligation

The Central Data Repository is part of the ReportNet architecture. The Central Data Repository is like a bookshelf, with data reports on the environment as submitted to international clients.

Each country either has a folder (📁) for its deliveries or a referral (🔗) to a different preferred repository. The data reports within each country folder are arranged under the relevant reporting obligations or agreements.

Albania Armenia Austria  
Azerbaijan Belarus Belgium  
Bosnia and Herzegovina Bulgaria Croatia  
Cyprus Czech Republic Denmark  
Estonia European Red List of birds Finland  
France Georgia Germany  
Gibraltar Greece Hungary  
Iceland Ireland Italy  
Kosovo (UNSCR 1244/99) Latvia Liechtenstein  
Lithuania  
Luxembourg Macedonia (FYR) Malta  
Montenegro Morocco Moldova  
Poland Portugal Netherlands  
Slovakia Slovenia Romania  
Slovenia Serbia  
Switzerland Tajikistan Spain  
United Kingdom Turkey

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

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

Overview Task list Edit properties

European Union (EU), obligations

Envelopes and subcollections

Water Framework Directive: River Basin Management Plans - 2016 Reporting 09 Nov 2015

Overview Task list Edit properties

Water Framework Directive: River Basin Management Plans - 2016 Reporting

Obligation(s) Water Framework Directive - River Basin Management Plans - 2016 Reporting

Envelopes and subcollections

National RBDSUCA  
National spatial data  
RBMP and PoM background documents  
River Basin Districts

Login

Overview Task list Edit properties

River Basin Districts

Obligation(s) Water Framework Directive - River Basin Management Plans - 2016 RBD XML\_data

Envelopes and subcollections

AT1000 - DANUBE 12 Nov 2015  
AT2000 - RHINE 09 Nov 2015  
AT5000 - ELBE 09 Nov 2015

### Add Envelope

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

Title

Description

Relating to which year 2015 Whole Year to

Coverage France

Coverage note

## II.b. Report your data at CDR Reportnet: Add the GWB XML

1. Click on your generated envelope
2. Click on Activate Task (You have to activate this task first before you can upload your files)
3. Click on Add file
4. In the Add document window form provide:
  - a. Title: GWB\_your country code\_YYYY-MM-DD.xml
  - b. Click on Choose the file and select the XML at your location
  - c. Finally, click on Add

**Envelopes and subcollections**

1

20151012 10 Nov 2015

Overview Edit properties History

**20151012**

Description RBD SUCA test

Obligations Water Framework Directive - River Basin Management Plans - 2016 RBD SUCA XML data

Period 2015 - Whole Year

Coverage France

Task(s) waiting to be assigned: **Activate task: Draft** (You have to activate this task first before you can

Zip Envelope

Activate task

Overview Draft delivery Edit properties History

**3**

**Draft** Upload multiple files packed into a zip archive. The zip cannot contain a folder structure.

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 can **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) Once you are satisfied with the contribution, you choose **Release envelope** and your delivery will be released to the public. The automatic quality assessment will be run on the data, after which the EEA and ETC will perform a final review and post feedback on this delivery.

Files in this envelope

No files uploaded

Feedback for this envelope

No feedback posted in this envelope

Add file

Upload zipfile

Run automatic QA

Release the envelope

Deactivate task

about events in this envelope [Subscribe to receive notifications](#) for this country and the current

when you have uploaded all files

**4**

Add file

Upload zipfile

**Add Document**

Warning:

If the filename already exists in the envelope, the existing file will be overwritten.

Title

File

Choose File no file selected

Id

(optional)

Restricted from public view

Add

## II.c. Report your data at CDR Reportnet: Quality assurance checks

You can check the XML uploaded for:

- d. The schema itself
  - e. Within schema data
  - f. Cross schema among the other files of the envelope
  - g. Statistics for the files uploaded in the envelope
1. Check the GWB XML schema validation, click on the XML Run QA#1, you will obtain the QA result
  2. Check the RBDSUCA within schema, click on the XML Run QA#2, you will obtain the QA result
  3. Click on the button Run automatic QA to run the rest of the validations at envelope level (cross schema and statistics).
  4. See the errors obtained at the Data Quality tab

Overview **Draft delivery** Edit properties History Data quality
1-2

**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 can [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) Once you are satisfied with the contribution, you choose [Release envelope](#) and your delivery will be released to the public. The automatic quality assessment will be run on the data, after which the EEA and ETC will perform a final review and post feedback on this delivery.

Files in this envelope

<input type="checkbox"/>		<a href="#">RBDSUCA_FR_20151109.xml</a>	<a href="#">RBDSUCA_FR_20151109.xml</a>	11 Nov 2015	26.7 KB	<a href="#">Run QA #1</a>	<a href="#">Run QA #2</a>
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### Run automatic QA

3

**Obligations** [Water Framework Directive - River Basin Management Plans - 2016 RBDSUCA XML data](#)

**Period** 2015 - Whole Year

**Coverage** France

**Status** Task(s) in progress: **Automatic quality assessment (Automatic quality assessment)**

**XML Schema validation**
4

**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/WFD2016/RBDSUCA\\_2016.xsd](http://dd.eionet.europa.eu/schemas/WFD2016/RBDSUCA_2016.xsd)

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

Type	Position	Error message
ERROR	Line: 321, Col: 41	cvc-enumeration-valid: Value 'Y' is not facet-valid with respect to enumeration '[Yes, No]'. It must be a value from the enumeration.
ERROR	Line: 321, Col: 41	cvc-type.3.1.3: The value 'Y' of element 'Intern
ERROR	Line: 323, Col: 20	cvc-complex-type.2.4.a: Invalid content was found starting with element 'subUnitsDefined'. One of '{'http://dd.eionet.europa.eu/schemas/WFD2016':internationalRBDName, 'http://dd.eionet.europa.eu/schemas/WFD2016':primeCompetentAuthority}' is expected.
ERROR	Line: 336, Col: 41	cvc-enumeration-valid: Value 'N' is not facet-valid with respect to enumeration '[Yes, No]'. It must be a value from the enumeration.
ERROR	Line: 336, Col: 41	cvc-type.3.1.3: The value 'N' of element 'internationalRBD' is not valid.
ERROR	Line: 337, Col: 20	cvc-complex-type.2.4.a: Invalid content was found starting with element 'subUnitsDefined'. One of '{'http://dd.eionet.europa.eu/schemas/WFD2016':internationalRBDName, 'http://dd.eionet.europa.eu/schemas/WFD2016':primeCompetentAuthority}' is expected.
ERROR	Line: 380, Col: 41	cvc-enumeration-valid: Value 'N' is not facet-valid with respect to enumeration '[Yes, No]'. It must be a value from the enumeration.

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. more detailed results, just follow the "Show more.." links to the individual feedback items.

## II.d. Report your data at CDR Reportnet: Replace wrong file

If you get blocking errors it is not possible to release the envelope (unless Annex 0 cases), you can proceed to replace the wrong file

1. Analyse the blocking errors obtained: tab “Data Quality”
2. Activate envelope
3. Delete the existing GWB XML file
4. Add new corrected file (step I.b)
5. Run QA checks back again (step 1.c)

Overview Draft delivery Edit properties History **Data quality** 1

### 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.

RBDSUCA\_FR\_20151109.xml

- **ERROR:** 1 error found [Show more...](#)
- **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. [Show more...](#)

2 **Activate task**

Overview Draft delivery **Edit properties** History Data quality 3

### 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 can [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) Once you are satisfied with the contribution, you choose [Release envelope](#) and your delivery will be released to the public. The automatic quality assessment will be run on the data, after which the EEA and ETC will perform a final review and post feedback on this delivery.

Files in this envelope

<input checked="" type="checkbox"/>		RBDSUCA_FR_20151109.xml	RBDSUCA_FR_20151109.xml	11 Nov 2015	26.7 KB	Run QA #1	Run QA #2
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Rename Cut Copy Delete

Add file  
Upload zipfile

### Add Document

**Warning:**  
If the filename already exists in the envelope, the existing file will be overwritten.

Title

File  no file selected

Id  (optional)

Restricted from public view

5 **Run automatic QA**

## II.e. Report your data at CDR Reportnet: Release data

Once you get no blocking errors you can proceed to release the envelope

1. Release the envelope
2. The automatic QA will run again
3. You will receive an automatic confirmation of receipt once the envelope is released.
4. To be notified by mail you need to be subscribed to CDR notifications

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

1-2

**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 can [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) Once you are satisfied with the contribution, you choose [Release envelope](#) and your delivery will be released to the public. The automatic quality assessment will be run on the data, after which the EEA and ETC will perform a final review and post feedback on this delivery.

Feedback for this envelope
3

Confirmation of receipt
(Posted automatically)

European Environment Agency  
Kongens Nytorv 6  
DK 1050 Copenhagen K

In support of WISE - The Water Information System For Europe

To Whom It May Concern

This confirmation letter shows the status of national data submissions to Reportnet based on the European Reporting Obligation

**Water Framework Directive - River Basin Management Plans - 2016 Reporting** (<http://rod.eionet.europa.eu/obligations/715>)

The letter is automatically generated when the authorised national data reporter has released the respective reporting information inside the Central Data Repository (CDR).

The following delivery has been submitted for [Member State] and was released on [date of release].

**Envelope:** [Name of the envelope]  
**Location:** [web link to envelope]

List of files:

1. [file name]
2. [file name]
3. [file name]
4. ...

The above-mentioned files were submitted by: [name of data reporter] (user name: [user name of data reporter])

Note

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

### Subscribe to notifications

This page allows you to make email subscriptions to the *Unified Notification Service*. Select the cases when you want to receive notifications from the form below. This subscription will be appended to any previous ones you might have made in the past.

<b>Obligation is</b>	<div style="border: 1px solid #ccc; padding: 2px; font-size: 0.8em;"> <p>Any obligation</p> <p>1st daughter directive relating to limit values for NOx, ...</p> <p>Air quality assessment annual reporting for 1st daughter directive</p> <p>2006/11/EC Dangerous Substances Directive (codified version)</p> <p>Implementation Report Dangerous substances</p> <p>2006/113/EC Shellfish Directive (codified version)</p> <p>Shellfish Directive report</p> <p>2006/118/EC Groundwater Daughter Directive to WFD</p> <p>Groundwater in WFD progress on implementation of programmes of measures</p> <p>Groundwater in WFD River Basin Management Plan including programme of measures</p> <p>2006/44/EC Fish Directive (codified version)</p> <p>Fish Directive Report</p> <p>2nd daughter directive relating to benzene and carbon mon ...</p> <p>Air quality implementing national laws, regulations and administrative provis ...</p> <p>Air quality assessment annual reporting for 2nd daughter directive (Art.3, 4, ...</p> </div>
<b>and country is</b>	<input type="text" value="Austria"/>
<b>and the operation is</b>	<input checked="" type="checkbox"/> Envelope release <input checked="" type="checkbox"/> Envelope revoke <input checked="" type="checkbox"/> Feedback posted <input checked="" type="checkbox"/> Comment to feedback posted
<input type="button" value="Subscribe"/> <input type="button" value="Reset fields"/>	

For complete information about your subscriptions, visit [your preferences page at the Unified Notification Service](#)