

## Update on the status of RBMP reporting

WISE Working Group D, DG Env Brussels  
13/14-10-2010

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# Recalling the reporting process

# RBMP reporting

- Electronic XML based reporting
- Ten schemas covering Article 3, 5, 8 and 13
- Associated spatial information
- RBMPs, POM and other supporting documents
- All files are to be uploaded in EEA's Reportnet
- Deadline 22 March 2010

# Tools to support submission

<http://water.eionet.europa.eu/schemas/dir200060ec/resources/>

- Schema user guidance
  - Reporting user guidance
  - GIS reporting guidance
  - Helpdesk WFD Log
- 
- WFD Reporting database
  - Database to XML conversion tool
  - XML Validation tool
- 
- [helpdeskWFD@atkinsglobal.com](mailto:helpdeskWFD@atkinsglobal.com)

# Submission workflow

- Upload to ReportNet
- Schema level validation allows for identification of issues
- Release envelope
- Cover letter forwarded to Commission

# State of Play RBMPs and WISE reporting (07/10/10)

MS	RBMP adopted	WISE reporting			MS	RBMP adopted	WISE reporting			MS	RBMP adopted	WISE reporting		
		RBMP reported	XML	GIS			RBMP reported	XML	GIS			RBMP reported	XML	GIS
AT					ES					MT				
BE					FI					NL				
BG					FR					PL				
CY					HU					PT				
CZ					IE					RO				
DE					IT					SE				
DK					LT					SI				
EE					LU					SK				
EL					LV					UK				

**NOTES:** Status: 07/10/2010

The column "RBMP adopted" reflects the contents of DG Environment's web page:

[http://ec.europa.eu/environment/water/participation/map\\_mc/map.htm](http://ec.europa.eu/environment/water/participation/map_mc/map.htm)

**GREEN** - River Basin Management Plans adopted!

**YELLOW** - consultations finalised, but awaiting adoption.

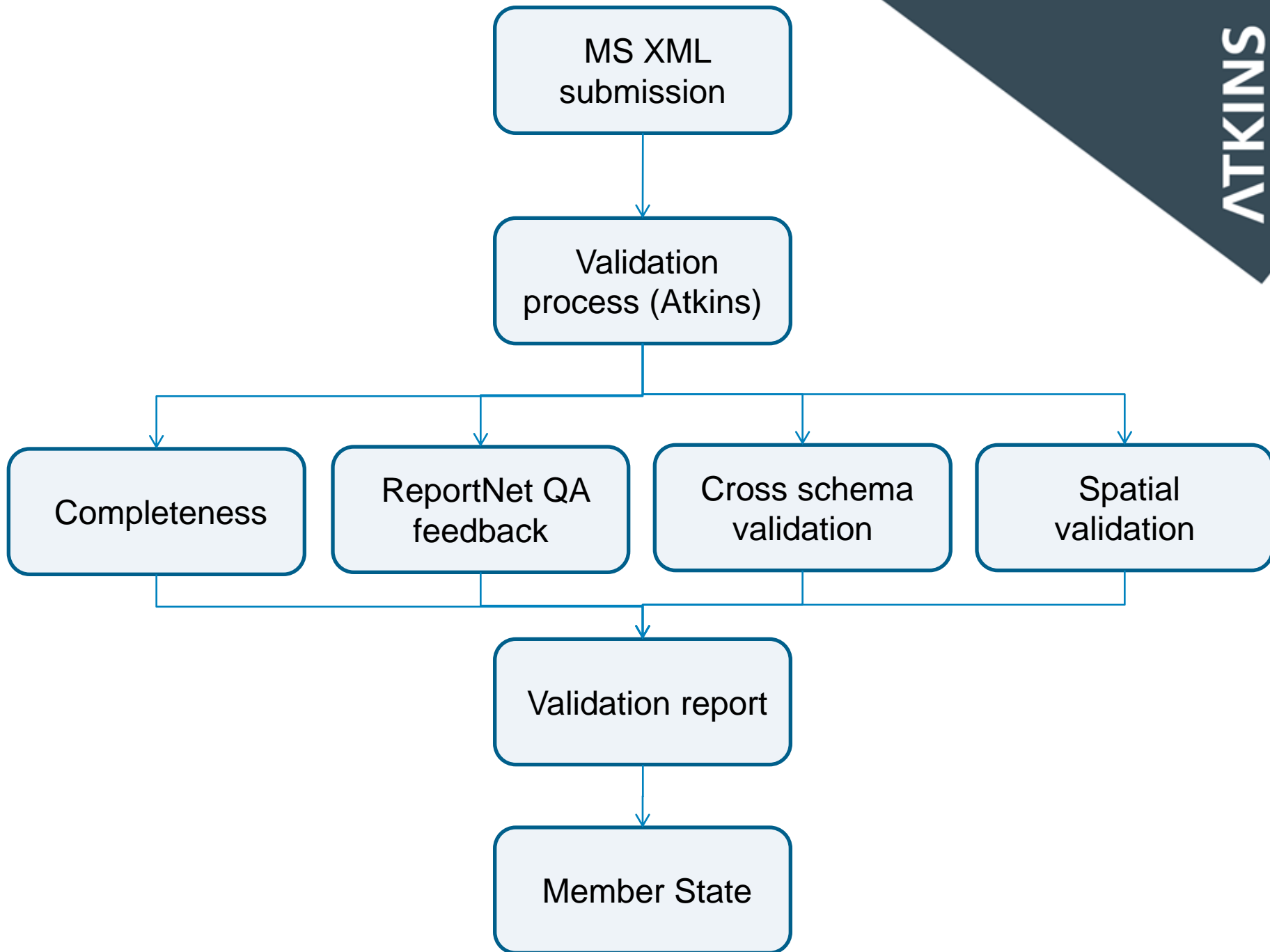
**RED** - consultation have not started or ongoing.

The WISE reporting columns reflect if largely complete (**green**), partial (**yellow**) or no reporting (**red**) has been done on the three parts expected:

- Copies of the RBMP and PoM
- XML files
- GIS files

If the plan has not been yet been finalised and adopted it is assumed that the information submitted in WISE reflects draft plans.

# Quality assurance process





# State of Validation (12/10/10)

MS	Ready	Validation			MS	Ready	Validation			MS	Ready	Validation		
		XML	Feedback	Resubmit			XML	Feedback	Resubmit			XML	Feedback	Resubmit
AT					ES					MT				
BE					FI					NL				
BG					FR					PL				
CY					HU					PT				
CZ					IE					RO				
DE					IT					SE				
DK					LT					SI				
EE					LU					SK				
EL					LV					UK				

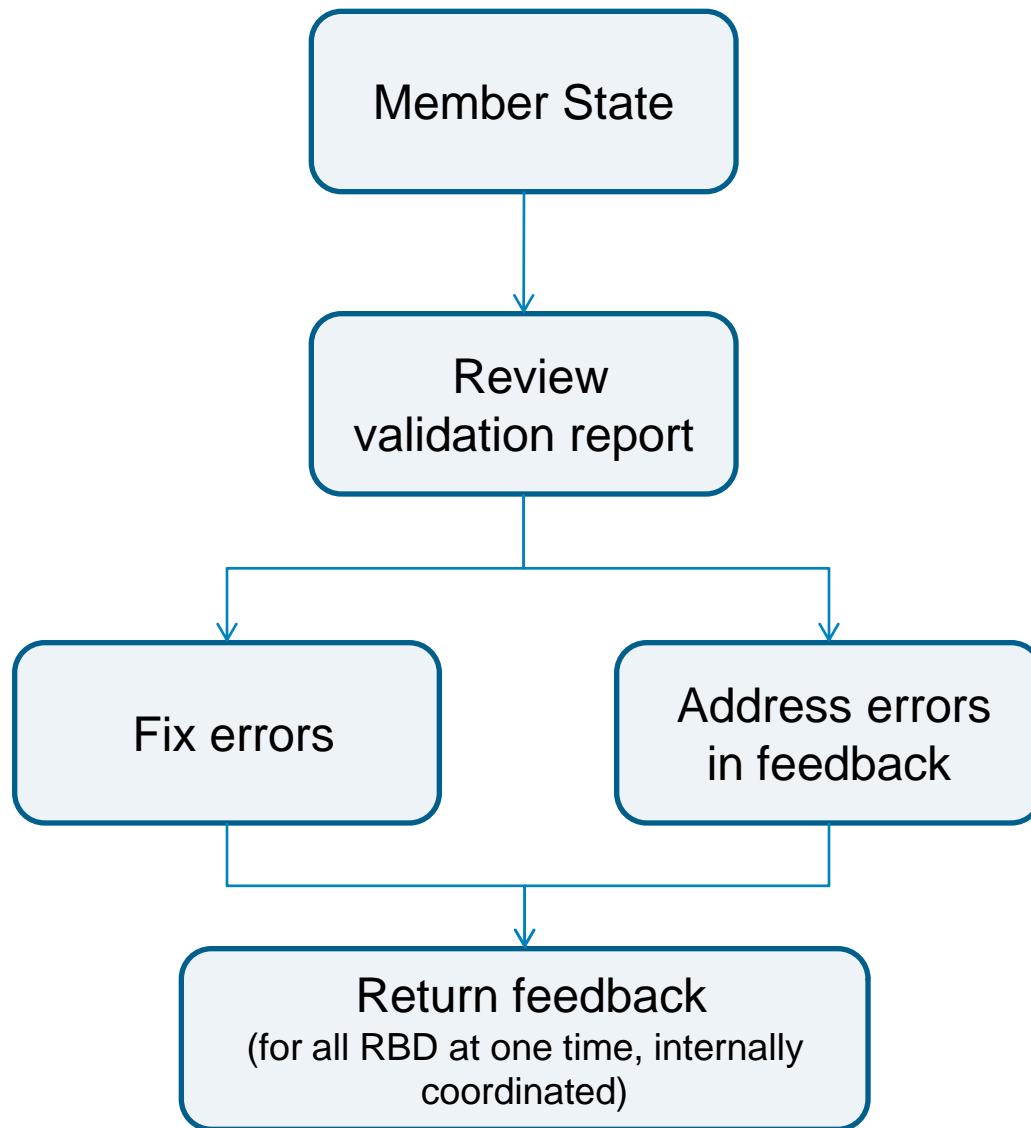
**NOTES:** Status: 12/10/2010

The column “Ready” reflects if data are ready for XML validation

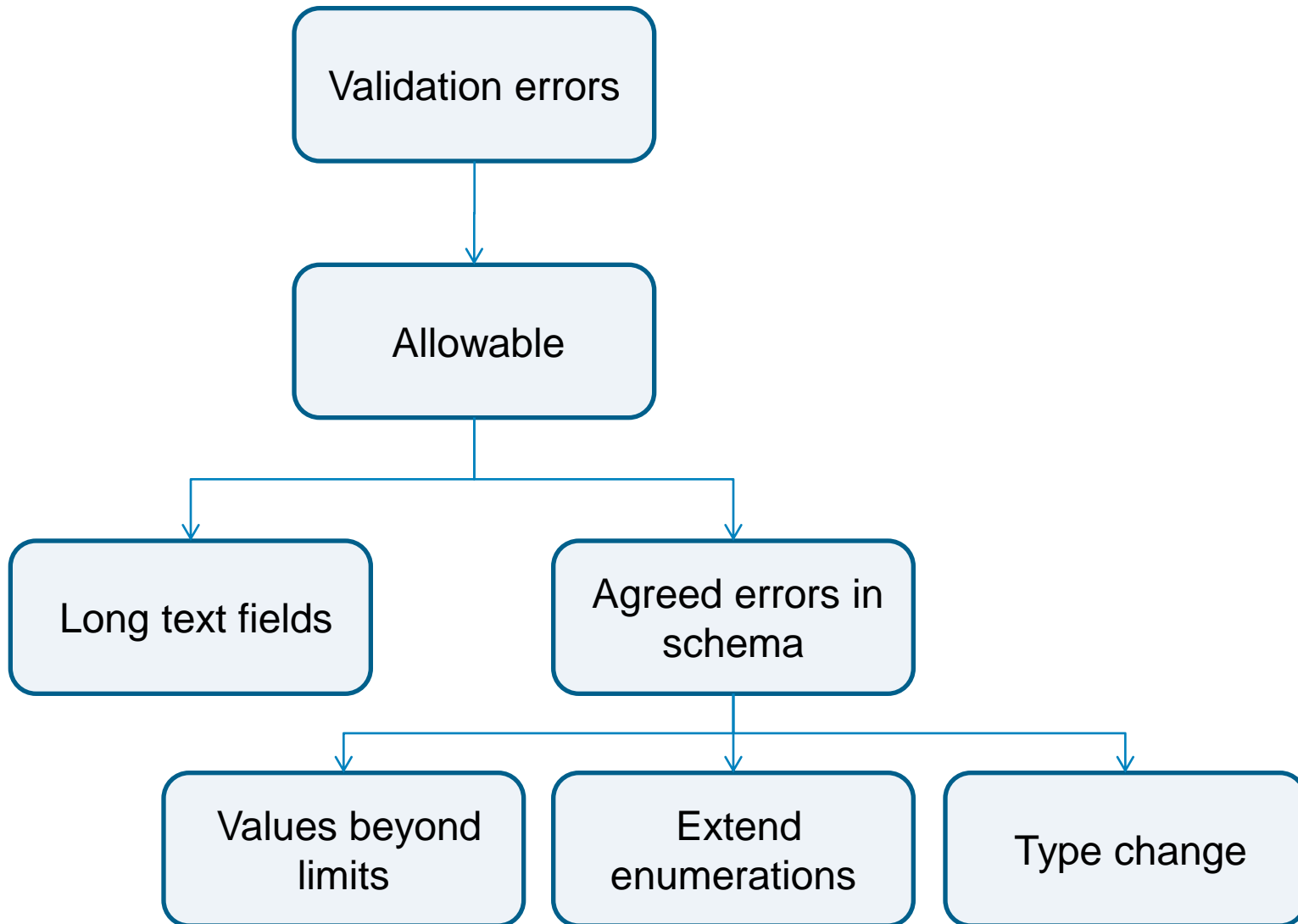
The columns reflect if complete (**green**), partial (**yellow**) or no reporting/action (**red**) has been done on the xml schemas

Grey = not applicable

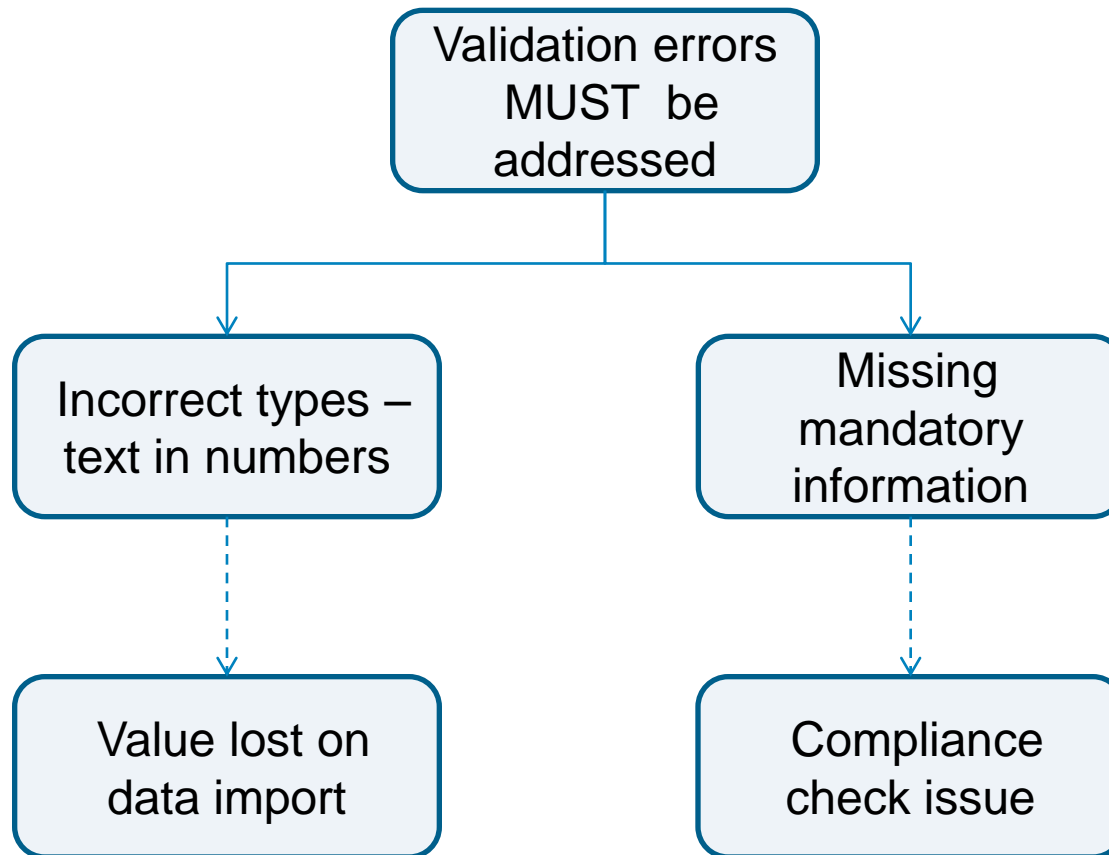
# Validation workflow



# Validation errors



# Validation errors (2)



# Validation errors (3)

Values outside of enumeration list

Agree with COM, ignore error

Exceeding text field length

Ignore error

Number larger than field restriction

Ignore error

Schema limitations e.g. % greater than 100

Agree with COM, ignore error

Information not available for number fields

Use exception types  
-7777 (Not applicable)  
-8888 (Yet to be measured)  
-9999 (Unknown)

Information not available for mandatory fields

Use -9999 for numbers and 'Not available' for text

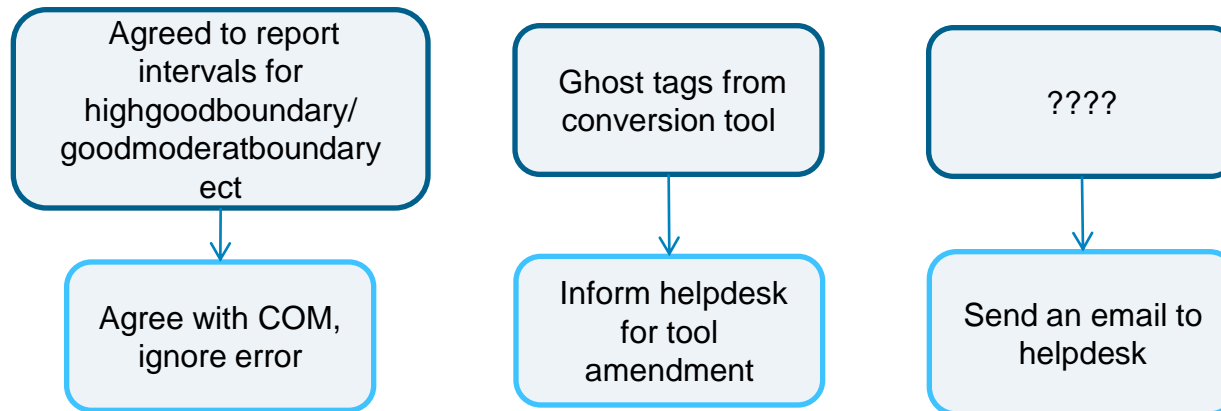
Schema incorrect e.g. mandatory where conditional

Use -7777 for numbers and NA for text

Incorrect type, e.g. comment in number field

FIX – comments in number fields will get value 0

# Validation errors (4)



# Missing mandatory information in summery report

## 9.3 Supplementary and additional measures in surface waters

In some cases supplementary and additional measures to the basic measures may be required to achieve WFD environmental objectives. In these cases MS are required to report details.

Table 9.3.a: Need for supplementary and/or additional measures for surface waters by subunit

	Pressure preventing achievement of good status	% RW failing	% LW failing	% TW failing	% CW failing	Basic measures enough Y N	Comments
DE_3100_3500_3600	1 Point Source	33.310	0.000	0.000	0.000	N	
	2 Diffuse Source	86.940	100.000	0.000	0.000	N	
	3 Water Abstraction	0.000	0.000	0.000	0.000	Y	
	4 Water flow regulations and morphological alterations of surface water	94.930	100.000	0.000	0.000	N	
	8 Other Pressures	28.890	0.000	0.000	0.000	N	
DE_3800_3900_3990	1 Point Source	0.000	0.000	0.000	0.000	N	
	2 Diffuse Source	100.000	90.650	100.000	36.180	N	
	3 Water Abstraction	0.000	0.000	0.000	0.000	Y	
	4 Water flow regulations and morphological alterations of surface water	100.000	67.860	100.000	36.180	N	
	8 Other Pressures	0.000	0.000	0.000	0.000	Y	

1.Point Source

2.Diffuse Source

3.Water Abstraction

4.Water Flow Regulation/Morphological alterations

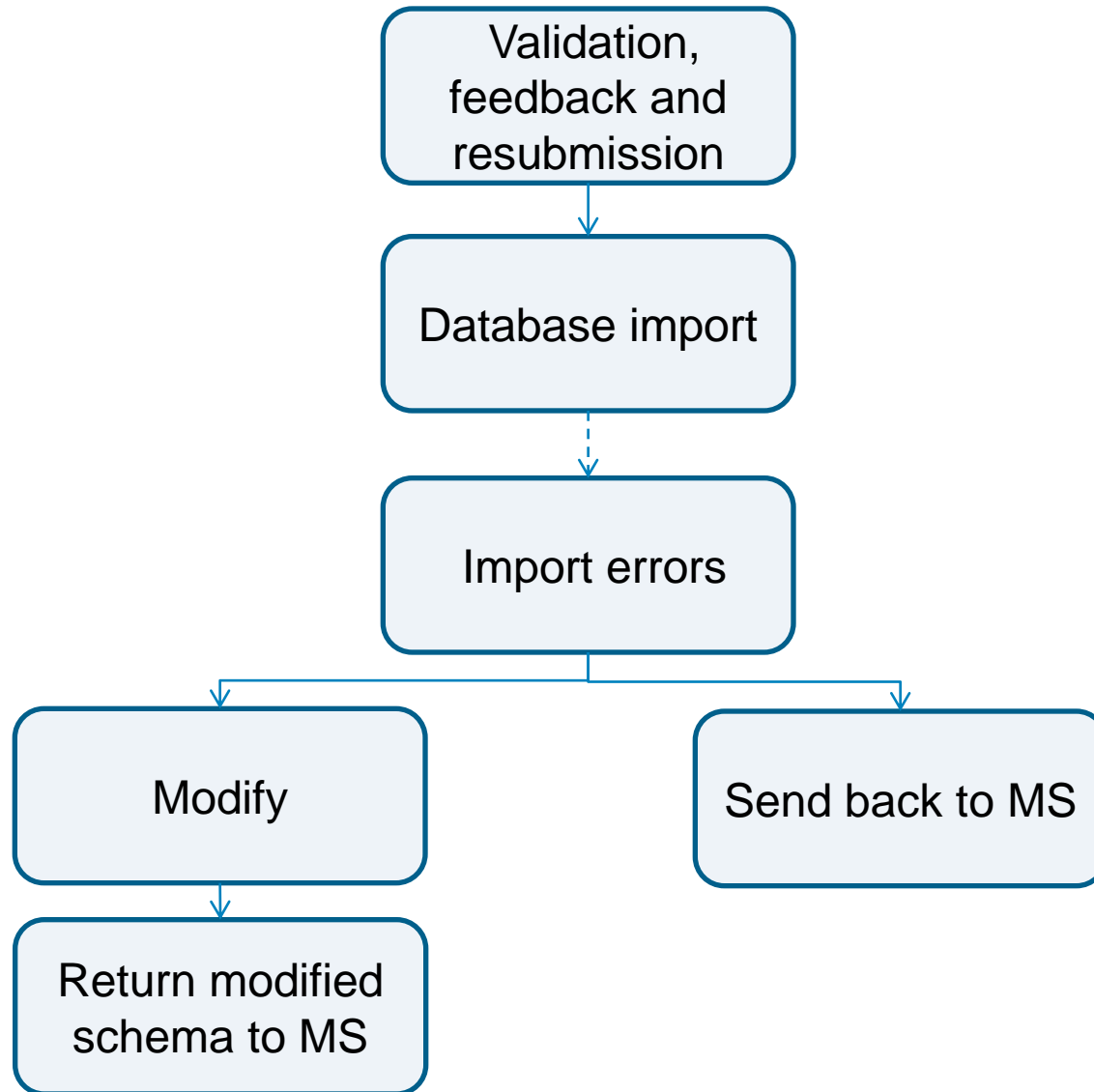
5.River Management

6.Transitional and Coastal water Management

7.Other Morphological Alterations

8.Other Pressures.

# Database import work flow





# Outstanding errors (12/10/10)

MS	Ready	validation			MS	Ready	validation			MS	Ready	validation		
		Import errors	Missing mand.	Documente			Import errors	Missing mand.	Documente			Import errors	Missing mand.	Documente
AT					ES					MT				
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CZ					IE					RO				
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DK					LT					SI				
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EL					LV					UK				

**NOTES:** Status: 12/10/2010

The column “Ready” reflects if data are ready for database import

**Green** = yes/no outstanding issues)

**Yellow** = partial

**Red** = no/outstanding errors

**Grey** = not applicable

# Spatial v XML checking

- Herman Peiffer from EEA running script
- All codes in shape file dbf are in the XML
- Code list values are within enumeration list

login has been  
ed to the upper-  
corner.

## 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="#">AT1000_GWB.xml</a>	AT1000_GWB	08 Jul 2010	449 KB
2	<a href="#">AT1000_GWMET.xml</a>	AT1000_GWMET	08 Jul 2010	81.9 KB
3	<a href="#">AT1000_GWST.xml</a>	AT1000_GWST	08 Jul 2010	3.83 MB
4	<a href="#">AT1000_MON.xml</a>	AT1000_MON	08 Jul 2010	129 KB
5	<a href="#">AT1000_PA.xml</a>	AT1000_PA	08 Jul 2010	260 KB
6	<a href="#">AT1000_RBMP.xml</a>	AT1000_RBMP	15 Jul 2010	140 KB
7	<a href="#">AT1000_SWB.xml</a>	AT1000_SWB	08 Jul 2010	21.0 MB
8	<a href="#">AT1000_SWMET.xml</a>	AT1000_SWMET	08 Jul 2010	289 KB
9	<a href="#">AT1000_SWST.xml</a>	AT1000_SWST	08 Jul 2010	1.54 MB
10	<a href="#">GIS-AT1000.zip</a>	GIS-AT1000	12 Jul 2010	14.3 MB

### Feedback for this envelope

- WFD manual cross schema check 20100719 (Posted on 19 Jul 2010 for the 16 Jul 2010 release)
- AutomaticQA result for file AT1000\_GWB.xml: WFD GWB schema validation (Posted automatically on 16 Jul 2010)
- AutomaticQA result for file AT1000\_GWB.xml: XML Schema validation (Posted automatically on 16 Jul 2010)
- AutomaticQA result for file AT1000\_GWMET.xml: WFD GWMMethods schema validation (Posted automatically on 16 Jul 2010)
- AutomaticQA result for file AT1000\_GWMET.xml: XML Schema validation (Posted automatically on 16 Jul 2010)

# EEA example script

-----  
Checking results for:  
`http://cdr.eionet.europa.eu/gr/eu/wfdart13/gr01/envs6ic4q/EL_GR01_SWB_20100322.xml/manage_document`  
`http://cdr.eionet.europa.eu/gr/eu/wfdart13/gr01/envs6ic4q/GR_GR01_SWB_LW_20100322.dbf/manage_document`

Code values in XML data and shapefile

110 unique EUSurfaceWaterBodyCode values in XML data

1 unique EU\_CD\_LW value in shapefile

1 EU\_CD\_LW value from shapefile NOT found as EUSurfaceWaterBodyCode in XML data

1 'GR000100030010H'

Check:  
All codes in dbf are in the xml file

-----  
Checking results for:  
`http://cdr.eionet.europa.eu/gr/eu/wfdart13/gr01/envs6ic4q/EL_GR01_PA_20100322.xml/manage_document`  
`http://cdr.eionet.europa.eu/gr/eu/wfdart13/gr01/envs6ic4q/GR_GR01_PA_A7_GW_20100322.dbf/manage_document`

Attribute NOT found: PA\_TYPE {'BA', 'BI', 'FI', 'SH', 'HA', 'NI', 'UW', 'A7', 'EU', 'NA', 'LO'}

Shapefile attributes:

'EU\_CD\_PA'

Check:  
Codes used are in enumeration list

# VALIDATION ASSESSMENT REPORT

# Report

- National and RBD
- Filtering of what is relevant
- Links to QA messages
- Results of scripts are added as feedback in envelopes
- [example report to be shown]

# Member State feedback

- Envisaged that respond directly to errors
- Make resubmissions to new envelopes under the RBD
- Single record which can be passed on to Commission
- [example of MS feedback to be shown]

# Managing resubmissions

- Same RBD
- Create new envelope (use date)
- Upload only those files to be corrected, but full schemas
- New date in filename

# SPATIAL SUBMISSION CHECKS



# Spatial quality checking

- Run after XML issues have been communicated and resolved as far as possible
- Completeness
- Logical consistency (in schema QA/QC)
- Topological consistency specific to WFD

# State of spatial validation (12/10/10)

MS	Ready	Validation			MS	Ready	Validation			MS	Ready	Validation		
		XML	Feedback	Resubmit			XML	Feedback	Resubmit			XML	Feedback	Resubmit
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EL					LV					UK				

**NOTES:** Status: 12/10/2010

The column “Ready” reflects if data are ready for spatial validation

The column “XML” reflects if the XML validation is finished or at a point where it will not influence the spatial data validation

The columns reflect if complete (**green**), partial (**yellow**) or no reporting/action (**red**) has been done on the spatial data

Grey = not applicable

# Feedback

- Second report
- Follow the same process as previously
- [Example report to be shown]

# Common errors

- Projection not ETRS-89
- Files not following shapefile template
- RBDSUCA reported on RBD level?

Attribute name	Obligation	Type	Description
EU_CD_GW	Mandatory	string (42)	International code of the Ground Water Body as defined in the GWB reporting schema.  Code MUST have a 1-to-1 relationship with EUGroundWaterBodyCode and further attribute data described in the related XML file.
Horizon	Mandatory	string (2)	See section 7.2.6.3 for code list and description.  Alternatively provide separate shape files for each horizon (see file naming convention in section 9.2).
Horz_type	Optional	String(10)	The description of type of GWB-horizon (e.g. main, thermal, mineral... - see section 8.1.6)