

Webinar Bathing water data reporting



26 November 2019 – Bathing water Webinar
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European Environment Agency



Technical instructions

- Thank you for participating in the Webinar.
- The Webinar will be recorded and made available after the Webinar.
- Presentations are available for download. They will also be uploaded to Eionet Forum after the Webinar.
- Use the chat for making comments or asking questions.
- Avoid detailed questions on your data, you should use the WISE BWD Helpdesk when you start reporting.

Agenda

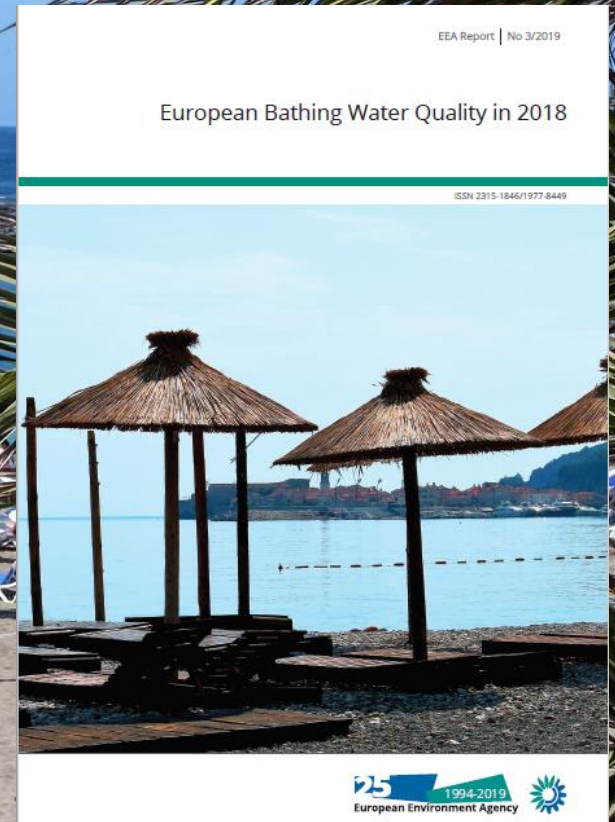
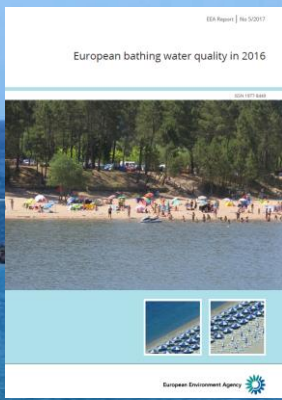
- 1) Introductions and technical instructions (5 mins)
- 2) Uses of the bathing water data (10 mins)
- 3) Data call for 2019 bathing season: existing and revised data model (20 mins)
- 4) Issues related to bathing water data reporting (10 mins)
- 5) Assessment principles (10 mins)
- 6) Discussion (10 mins)

Objectives of meeting:

- To present EEAs uses of bathing water data;
- Improve the reporting, including better quality controls and reports;
- Solve problems with folders/files uploaded to CDR but blocked or correction requested;
- Help countries in their reporting.

2. EEA bathing water products

Producing an annual European bathing water report for 11 years



11 years of producing annual bathing water reports

European Bathing Water Quality in 2018

EEA Report | No 3/2019

European Bathing Water Quality in 2018

Annual reporting of Bathing Water quality (EN, DE and FR)

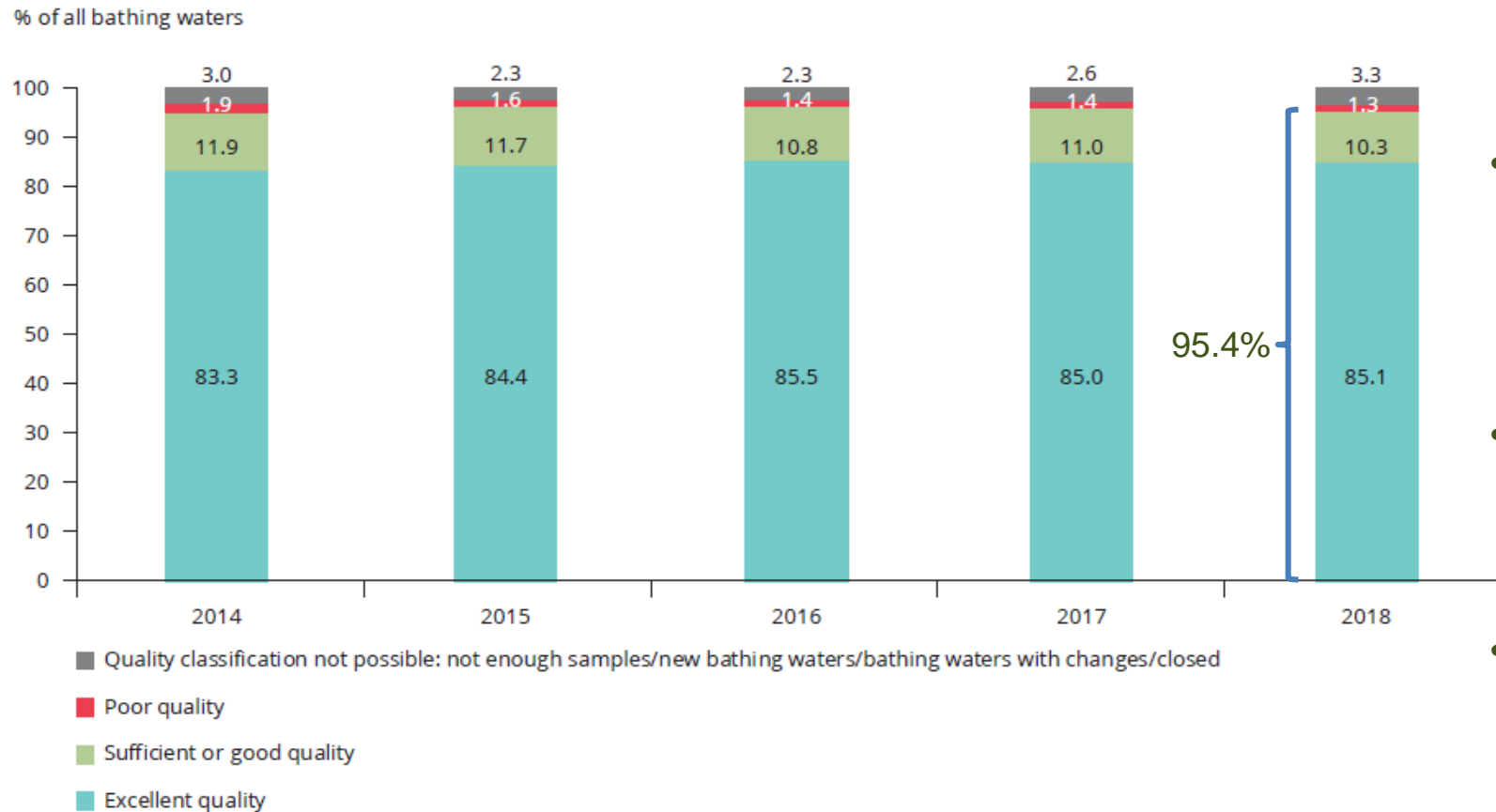
- 30 National reports
- Map viewers
- Press release (20 languages)
- **Published 6. June 2019**



Link: <https://www.eea.europa.eu/themes/water/europes-seas-and-coasts/assessments/state-of-bathing-water>

European summary report 2019 – results

Figure 1.2 Overall bathing quality in the European Union between 2014 and 2018

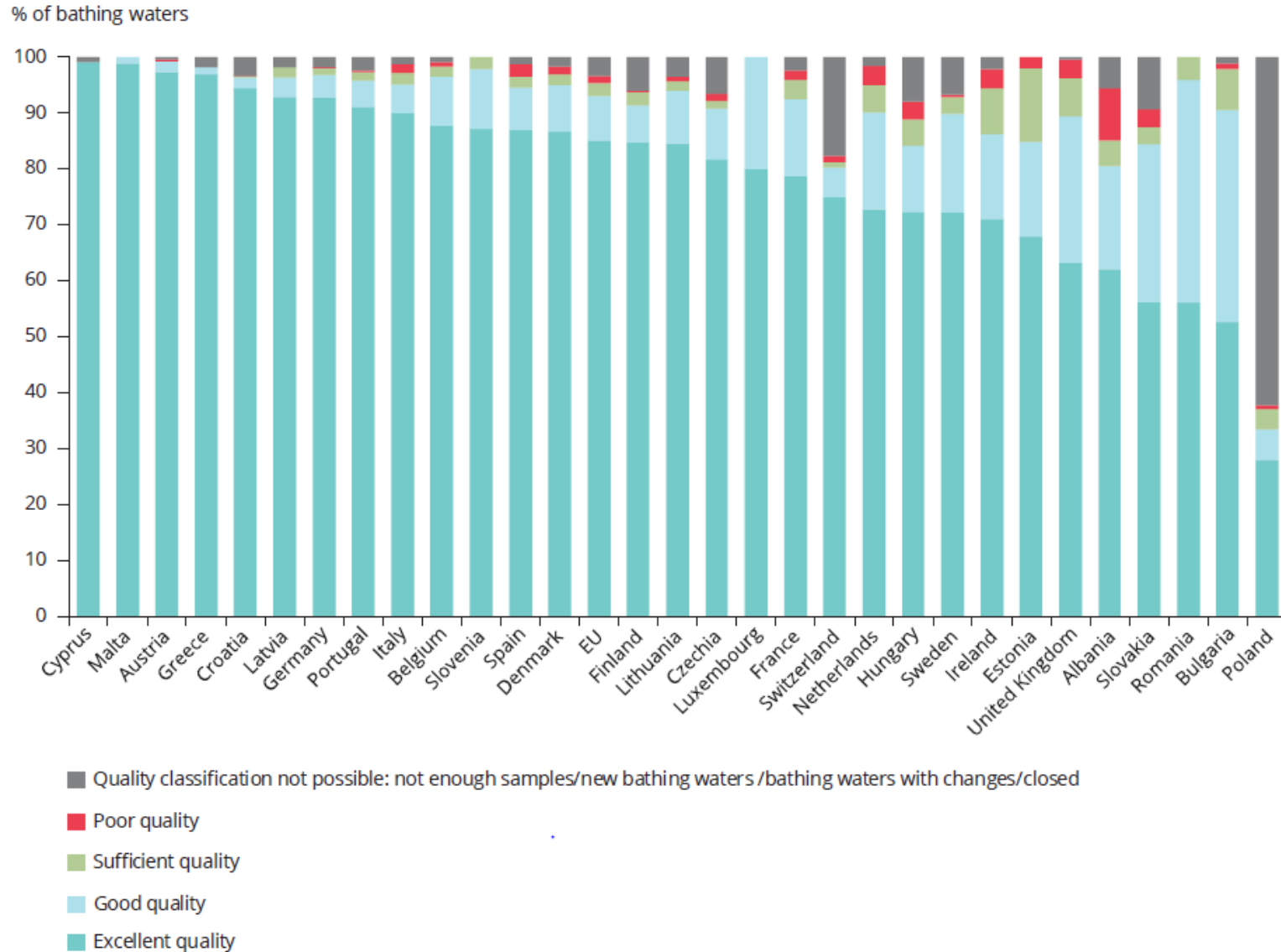


- The objective of the Bathing Water Directive is for the water quality at all bathing water sites to be classified as at least 'sufficient'.
- This minimum water quality standard was met by 95.4 % of all EU bathing water sites for the 2018 bathing season, which constitutes a minor drop compared with 2017 (96.0 %).
- The share of bathing water sites in the EU with **excellent water quality** increased from 83.3 % in 2014 to 85.1 % in 2018.
- The share of **poor quality bathing waters** in the EU dropped slightly from 294 (1.4 %) in 2017 to 290 (1.3%) in 2018.

Source: WISE bathing water quality database (data from annual reports by EU Member States).

European summary report 2019 –results

Figure 1.3 Bathing water quality in 2018 for the 28 EU Member States, Albania and Switzerland



- All reported bathing water sites in Cyprus, Greece, Latvia, Luxembourg, Malta, Romania and Slovenia achieved at least sufficient quality in 2018.
- In four countries, 95 % or more of bathing waters were assessed as being of excellent quality:
 - Cyprus (99.1% of all sites),
 - Malta (98.9 % of all sites),
 - Austria (97.3 % of all sites) and
 - Greece (97.0 % of all sites).

Poland had many new identified bathing waters that did not have sufficient number of samples to have bathing water quality classified.

WISE Bathing Water interactive map viewer



Member State details

Details on all Member States bathing waters for the 2018 season can be found in the national bathing water reports:

Each report contains details on bathing water monitoring in the specific country and an assessment of the 2018 results and the trend in bathing water quality.

Austria	Estonia	Italy	Portugal
Belgium	Finland	Latvia	Romania
Bulgaria	France	Lithuania	Slovakia
Croatia	Germany	Luxembourg	Slovenia
Cyprus	Greece	Malta	Spain
Czechia	Hungary	(The) Netherlands	Sweden
Denmark	Ireland	Poland	United Kingdom
Non EU countries:	Albania	Switzerland	

The EU summary report is based on bathing water data available up to mid May 2018.

- Data download: Bathing Water Directive - Status of bathing water 2018
- Archive: National reports for 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015 , 2016 and 2017 bathing seasons
- National or regional websites for bathing water quality
- Bathing water photo gallery

National reports

1. BWD reporting in the season 2018
 2. Assessment methodology
 3. Bathing water quality
 4. Information regarding management and other issues
 5. Bathing water quality assessment presentation in online viewers
- Annexes (Table and map)

Member State details I

Country report

Spanish bathing water quality in 2018



Spain 

June 2019

Photo: © Peter Kristensen/EEA

Bathing waters of Spain in the season 2018

Total reported	2228
Coastal	1965
Inland	263
Total reported samples	23539

Bathing water quality in the season 2018

Excellent	1939 (87%)
Good	168 (7.5%)
Sufficient	42 (1.9%)
Poor	50 (2.2%)
Not classified	29 (1.3%)

Table 1: Bathing waters in 2018 according to implementation of the monitoring calendar

	Count	Share of total [%]
Monitoring calendar implemented A bathing water satisfies monitoring calendar conditions listed above.	2199	98.70%
Monitoring calendar not implemented A bathing water does not satisfy monitoring calendar conditions listed above. They may be quality-classified if enough samples are available in the last assessment period.	29	1.30%

Table 2: Management specifics in the last assessment period of 2015–2018

	Count	Share of total [%]
Continuously monitored A bathing water has been monitored in each bathing season in the last assessment period.	2119	95.10%
Newly identified A bathing water was identified for the first time within the last assessment period. Such status is assigned until the complete four-year dataset is available, i.e. for three years after the first reporting.	92	4.10%
Quality changes A bathing water was subject to changes described in BWD Art. 4.4 within the last assessment period. Such status is assigned until the complete four-year dataset of samples taken after changes took effect is available.	8	0.40%
Monitoring gap A bathing water was not monitored for at least one season in the last assessment period. No quality	9	0.40%



Member State details

National or regional pages

Page — Last modified 31 May 2018 — 1 min read



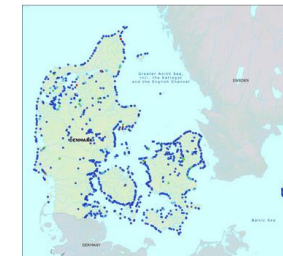
National or regional websites for bathing water quality

Country	Region	Webpage
Albania		Agjencia Kombetare e Mjedisit
Austria		Badegewässer Österreich
Belgium	Wallonia	Etat bactériologique des zones de baignade
Belgium	Flanders	Kwaliteit Zwemwater
Bulgaria		Води за къпане
Croatia		Bathing water quality in Croatia
Cyprus		Η Κατάσταση των νερών κολύμβησης στην Κύπρο



- Badevandskvaliteten ved de danske strande
- Sådan vurderer kommunen badevandets kvalitet
- Bekendtgørelse og lovstof
- Når der er alger i badevandet
- Spildevand i badevandet

Badevandskvaliteten ved de danske strande i 2017



Download rapporter og kort
 ○ Badevandets kvalitet i Danmark 2017
 ○ Badevandets kvalitet i alle EU-lande 2017
 Kort over Europas badevandskvalitet

Se den aktuelle badevandskvalitet
 Kommunerne fører tilmeldt badevandet i Danmark, aktuelle badevandskvalitet på kommunens hjemmeside

Themen

- AKES Schwerpunkte
- Klimawandlungsagentur
- Schulungsagentur
- Landwirtschaft
- Tierernährung
- Umwelt
- Wasser
- Tierwasser
- Horizontale Stoffe im Wasser
- Risikoprüfung
- Badegewässer
- Wasser und Landwirtschaft
- Bohr-Aqua Water
- Information zu H2O2
- Bieren
- Böden
- Polen
- AKES Bioökonomieprojekte

Badegewässermonitoring

Download Services Veränderte Inhalte
 Zuletzt geändert: 20.08.2018

Badegewässerdatenbank

Suche nach Gemeinde oder Badegewässer

Bitte wählen Sie ein Bundesland:
 Hier finden Sie die [EU-Codes](#) mit allen Badegewässern für die Darstellung in Google Earth.

Badegewässer App

In Österreich gibt es 283 Badestellen, die als „EU-Badegewässer“ definiert sind. Das bedeutet, dass die Qualität ihres Wassers nach europäisch einheitlichen Kriterien regelmäßig untersucht wird. Das betrifft beispielsweise bestimmte Indikatoren, die auf eine mögliche Verschmutzung mit Fäkalien hinweisen, aber auch Sauerstoff und Temperatur. Die Badegewässer-App der AKES liefert mit offiziellem Beginn der Badesaison am 15. Juni Infos und aktuelle Messwerte zu Wasserqualität, Sauerstoff & Temperatur von allen österreichischen Badestellen (App download - siehe Services unten).

Die Badegewässer-Datenbank wird in Zusammenarbeit und Auftrag des Bundesministeriums für Arbeit, Soziales, Gesundheit und Konsumentenschutz und des Bundesministeriums für Arbeit, Soziales, Gesundheit und Konsumentenschutz erstellt.

Die Europäische Kommission veröffentlicht jedes Jahr einen Bericht über die Qualität der Badegewässer, der jeweils vor Beginn der nächsten Badesaison herausgegeben wird. Im Bericht 2017 wurden über 98 % der 283 österreichischen Badestellen mit „ausgezeichnet“ bewertet, 4 % mit „gut“. Nur zwei Badestellen (0,8 %) wiesen lediglich „ausreichende“ Qualität auf.

[Bericht: Qualität der europäischen Badegewässer 2017](#)
[Interaktive Badegewässerkarte Europa](#)

Wasserqualität

Für die Ermittlung der Qualität eines Badegewässers werden unter anderem folgende Parameter herangezogen:

Indikatorkeime

die auf eine eventuelle Verschmutzung mit Fäkalien hinweisen.

Escherichia coli

Der Richtwert von 100 KBE/100 ml sollte nicht überschritten werden. Wird ein Grenzwert von 1000 KBE/100 ml überschritten, muss anschließend eine Nachkontrolle durchgeführt werden. Wird auch dabei der Grenzwert überschritten, muss die Badewasserverwaltungsbehörde informiert werden.

Bathing waters – poor in the 2018 bathing season

<https://cdr.eionet.europa.eu/help/BWD> - [2018 bathing water with poor quality.zip](#)

Prefilled information

Information to be reported

Country Code	Monitoring Site Identifier	Bathing Water Name	Bathing Water Category: inland or coastal	Season	Quality	Link to the bathing water profile	Number of bathing seasons the bathing site has been classified as 'poor' including 2018	Was the bathing prohibition or advice against bathing in place during the 2019 bathing season: yes or no	Comments (optional)
DK	DKBW132	Lille Valby Strandpark	CW		2018 4 - Poor				
DK	DKBW131	Salvadparken, Henriksholm I	CW		2018 4 - Poor				
DK	DKBW1563	Christiansgave	CW		2018 4 - Poor				
DK	DKBW1564	Smidstrup	CW		2018 4 - Poor				
DK	DKBW697	Jerup strand, ud for Fredborg	CW		2018 4 - Poor				
DK	DKBW1351	Bork Havn Surferstrand	CW		2018 4 - Poor				
DK	DKBW842	Trend Strand	CW		2018 4 - Poor				
DK	DKBW1479	Vandet Sø, østende	LW		2018 4 - Poor				
DK	DKBW755	Skødshoved Syd	CW		2018 4 - Poor				
DK	DKBW1130	Bjerge Os Brovejen	CW		2018 4 - Poor				
DK	DKBW1168	Strandvejen Strand	CW		2018 4 - Poor				
DK	DKBW1242	Sdr. Tobølvej	CW		2018 4 - Poor				
DK	DKBW183	Skuldbøl strand	CW		2018 4 - Poor				
DK	DKBW255	Lovns Bredning, Ulbjerg Strar	CW		2018 4 - Poor				

Link to the bathing water profile

Number of bathing seasons the bathing site has been classified as 'poor' including 2018

Was the bathing prohibition or advice against bathing in place during the 2019 bathing season: yes or no

Comments

File to be uploaded in same CDR folder as 2019 data



3. Data call for 2019 bathing season: old and revised reporting



2019 data call – Old BWD and BWD 2019 (revised)

- EEA's future developments on improvements in reporting, Quality Controls (QC) and feedback information (dashboards) are concentrated on **BWD 2019 and Reportnet 3.0**.
- This year EEA is launching **BWD 2019** reporting which will replace **Old BWD** reporting in future years.
- **BWD 2019** has a similar structure to **Old BWD**, improved performance, better options for feedback and (in the future) automatic calculation of status.

Terminology we use:

ROD 531

reporting
obligation

ROD 787

„Old BWD“ reporting

process

„BWD 2019“ reporting



Old BWD data model

Revised BWD data model



Old BWD templates

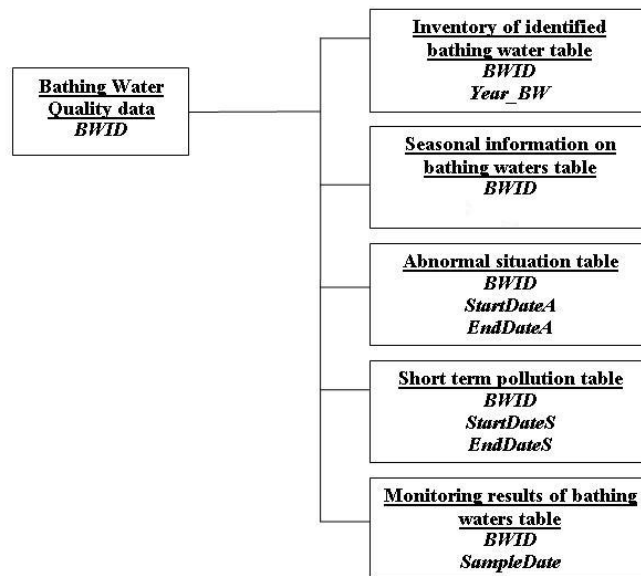
Revised BWD templates

3.a: Old (existing) and revised BWD data model

Old (existing) data model

- **Five** relational tables;
- Management periods (bathing season, STP, abnormal situation) reported in **three** distinct tables (seasonal info, abnormal situations, short term pollution).

WISE: Bathing Water Quality Data Model. Directive 2006/7/EC

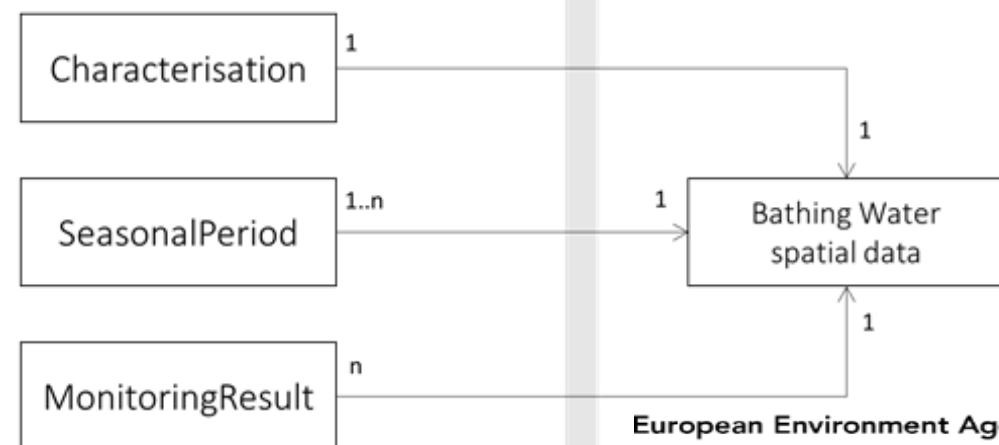


BWD 2019 data model

- **Three** relational tables (xls) + **one** spatial table (gml);
- Management periods (bathing season, STP, abnormal situation, **cyanobacteria, inaccessible, bathingProhibition, delisted**) reported in **one** table (SeasonalPeriod)
- Spatial table: Reporting done **only once** – after that, only changes are reported (e.g. new BWs, change in coordinates).

Monitoring and Classification of Bathing Waters - 2019

Identification of Bathing Areas - 2019



European Environment Agency



BWD monitoring and classification – differences between old and new reporting

ROD	New table	New attribute	Old (existing) table	Old (existing) attribute
ROD 787 - Monitoring and Classification	Characterisation	season	Identified	Year_BW
		bathingWaterIdentifier	Identified	BWID
		groupIdentifier	Identified	GroupID
		qualityClass	SeasonalInfo	Class
		geographicalConstraint	Identified	SpecGeoCon
		link		
		remarks		
	SeasonalPeriod	season		
		bathingWaterIdentifier	SeasonalInfo	BWID
		periodType		
		startDate	SeasonalInfo	StartDate
		endDate	SeasonalInfo	EndDate
		managementMeasures	SeasonalInfo	ManMeas
		remarks		
	MonitoringResult	season		
		bathingWaterIdentifier	MonitoringResults	BWID
		sampleDate	MonitoringResults	SampleDate
		intestinalEnterococciValue	MonitoringResults	ConcIE
		escherichiaColiValue	MonitoringResults	ConcEC
		sampleStatus		
		intestinalEnterococciStatus		
		escherichiaColiStatus		
		Remarks	MonitoringResults	



BWD Bathing water spatial data – differences between old and new reporting

ROD	New table	New attribute	Old (Existing) table	Old (Existing) attribute
ROD 788 - Identification of Bathing Waters	SPATIAL_Protected Area	geometry	Identified	Longitude_BW Latitude_BW
		inspireIdLocalId		
		inspireIdNamespace		
		inspireIdVersionId		
		thematicIdIdentifier	Identified	BWID
		thematicIdIdentifierScheme		
		beginLifespanVersion		
		endLifespanVersion		
		predecessorsIdentifier		
		predecessorsIdentifierScheme		
		successorsIdentifier		
		successorsIdentifierScheme		
		wiseEvolutionType		
		nameTextInternational		
		nameText	Identified	BWName
		nameLanguage		
		designationPeriodBegin		
		designationPeriodEnd		
		zoneType		
specialisedZoneType	Identified	BWCat		
legalBasisName				

- Bathing waters are protected areas under the [WFD](#). The register of WFD protected areas identifiers is kept in the [WISE WFDProtectedArea](#) vocabulary.
- Follows the requirements of the [INSPIRE](#).
- Enables more systematic reporting of changes in bathing water IDs (successors, predecessors).
- Reporting of bathing water spatial data (ROD 788) will be enabled in Jan/Feb 2020. Until then, new bathing waters (e.g. or changes in BW location, identifier...) can be reported within ROD 531.



2019 data call – existing BWD and BWD 2019

- Member States will receive a pre-filled dataset for 2018 bathing season (originally reported in old BWD templates) transferred into the new model **in the next days.**

	A	B	C	D	E	F	G
1	season	bathingWaterIdentifier	periodType	startDate	endDate	managementMeasures	Remarks
2	2018	ES111C0021902	bathingSeason	2018-06-01	2018-09-30		
3	2018	ES111C0131903	bathingSeason	2018-06-01	2018-09-30		
4	2018	ES111C0451904	bathingSeason	2018-06-01	2018-09-30		
5	2018	ES111C0462123	bathingSeason	2018-06-01	2018-09-30		
6	2018	ES111C0551905	bathingSeason	2018-06-01	2018-09-30		
7	2018	ES111C0632336	delisted	2018-10-01	9999-12-31		
8	2018	ES120M025499	abnormalSituation	2018-06-20	2018-06-25		
9	2018	ES120M055523	bathingSeason	2018-06-18	2018-09-10		
10	2018	ES120M056524	bathingSeason	2018-06-18	2018-09-10		
11	2018	ES120M056525	bathingSeason	2018-06-18	2018-09-10		
12	2018	ES120M056525	shortTermPollution	2018-07-27	2018-07-30		
13	2018	ES120M056526	bathingSeason	2018-06-18	2018-09-10		
14	2018	ES120M069527	bathingSeason	2018-06-18	2018-09-10		
15							



3b: Preparation of the „BWD 2019“ data set

1	A	B	C	D	E	F	G
2	season	bathingWaterIdentifier	groupIdentifier	qualityClass	geographicalConstraint	link	Remarks
3	2019	MS1010		1	0	http://www.bathingwater.ms/profiles/ms1010.pdf	
4	2019	MS1011		1	0	http://www.bathingwater.ms/profiles/ms1011.pdf	
5	2019	MS1012		2	0	http://www.bathingwater.ms/profiles/ms1012.pdf	
6	2019	MS1013		1	1	http://www.bathingwater.ms/profiles/ms1013.pdf	High-altitude BW
7	2019	MS1014		4	0	http://www.bathingwater.ms/profiles/ms1014.pdf	
8	2019	MS1015	MSG4	1	0	http://www.bathingwater.ms/profiles/ms1015.pdf	
9	2019	MS1016	MSG4	1	0	http://www.bathingwater.ms/profiles/ms1016.pdf	
10	2019	MS1017		1	0	http://www.bathingwater.ms/profiles/ms1017.pdf	
11	2019	MS1018		3	0	http://www.bathingwater.ms/profiles/ms1018.pdf	
12	2019	MS1019		0	0	http://www.bathingwater.ms/profiles/ms1019.pdf	
13							
14							
15							
16							
17							
18							

1	A	B	C	D	E	F	G
2	season	bathingWaterIdentifier	periodType	startDate	endDate	managementMeasures	Remarks
3	2019	MS1010	bathingSeason	2019-06-15	2019-08-31		
4	2019	MS1011	bathingSeason	2019-06-15	2019-08-31		
5	2019	MS1012	bathingSeason	2019-06-15	2019-08-31		
6	2019	MS1013	bathingSeason	2019-06-15	2019-08-31		
7	2019	MS1014	bathingSeason	2019-06-15	2019-08-31		
8	2019	MS1015	bathingSeason	2019-06-15	2019-08-31		
9	2019	MS1016	bathingSeason	2019-06-15	2019-08-31		
10	2019	MS1016	shortTermPollution	2019-07-19	2019-07-20	Manufacturing sewage system resulted in water pollution.	
11	2019	MS1016	qualityChange	2019-03-11	2019-05-13	Implementing UWWTD with construction of new UWWT plants	
12	2019	MS1019	deleted	2019-06-15	2019-08-31		
13							
14							
15							
16							
17							
18							

1	A	B	C	D	E	F	G	H	I
2	season	bathingWaterIdentifier	sampleDate	intestinaEnterococciValue	escherichiaColiValue	sampleStatus	intestinaEnterococciStatus	escherichiaColiStatus	Remarks
3	2019	MS1010	2019-06-04	875	15	preSeasonSample	confirmedValue		
4	2019	MS1015	2019-06-18	15	0			missingValue	
5	2019	MS1015	2019-07-09	15	15				
6	2019	MS1015	2019-07-30	15	15				
7	2019	MS1015	2019-08-20	15	15				
8	2019	MS1016	2019-06-04	30	30	preSeasonSample			
9	2019	MS1016	2019-06-18	346	197		confirmedValue		
10	2019	MS1016	2019-07-02	618	888	shortTermPollutionSample			
11	2019	MS1016	2019-07-04	15	15	confirmationSample			
12	2019	MS1016	2019-07-09	15	15	replacementSample			
13	2019	MS1016	2019-07-23	109	48				
14									
15									
16									
17									
18									

Characterisation

+

seasonalPeriod

+

monitoringResult



Download the **reporting template** from the Data Dictionary:
http://dd.eionet.europa.eu/datasets/latest/BWD_2006

The screenshot displays the EIONET Data Dictionary interface. The header shows 'EIONET Data Dictionary' and a breadcrumb trail: 'You are here: Eionet > Data Dictionary > Dataset'. A left sidebar contains navigation links: 'Help and documentation', 'Datasets' (highlighted in yellow), 'Tables', 'Data elements', 'Schemas', 'Vocabularies', 'Services', and 'Namespaces'. The main content area is titled 'View dataset definition' and includes a 'Tables' link. Below this, an 'Exports' section is expanded, showing several options: 'Create technical specification for this dataset', 'Create an XML Schema for this dataset - version 2', 'Create an MS Excel template for this dataset - version 2' (highlighted with a red box), 'Get the comma-separated codelists of this dataset', and 'Get the codelists of this dataset in XML format'.

Preparation of the dataset

	A	B	C	D	E	F	G
1	season	bathingWaterIdentifier	groupIdentifier	qualityClass	geographicalConstraint	link	Remarks
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							

- Monitoring results on intestinal Enterococci and Escherichia coli
- Description of the bathing water season and other applicable periods
- Characterisation of the bathing water

Preparation of the dataset: Characterisation

	A	B	C	D	E	F	G
1	season	bathingWaterIdentifier	groupIdentifier	qualityClass	geographicalConstraint	link	Remarks
2	2019	MS1010		1		0 http://www.bathingwater.ms/profiles/ms1010.pdf	
3	2019	MS1011		1		0 http://www.bathingwater.ms/profiles/ms1011.pdf	
4	2019	MS1012		2		0 http://www.bathingwater.ms/profiles/ms1012.pdf	
5	2019	MS1013		1		1 http://www.bathingwater.ms/profiles/ms1013.pdf	High-altitude BW
6	2019	MS1014		4		0 http://www.bathingwater.ms/profiles/ms1014.pdf	
7	2019	MS1015	MSG4	1		0 http://www.bathingwater.ms/profiles/ms1015.pdf	
8	2019	MS1016	MSG4	1		0 http://www.bathingwater.ms/profiles/ms1016.pdf	
9	2019	MS1017		1		0 http://www.bathingwater.ms/profiles/ms1017.pdf	
10	2019	MS1018		3		0 http://www.bathingwater.ms/profiles/ms1018.pdf	
11	2019	MS1019		0		0 http://www.bathingwater.ms/profiles/ms1019.pdf	
12							
13							
14							
15							
16							
17							
18							

Definition: year of the bathing season

Type: integer (gYear)

Preparation of the dataset: Characterisation

	A	B	C	D	E	F	G
1	season	bathingWaterIdentifier	groupIdentifier	qualityClass	geographicalConstraint	link	Remarks
2	2019	MS1010		1	0	http://www.bathingwater.ms/profiles/ms1010.pdf	
3	2019	MS1011		1	0	http://www.bathingwater.ms/profiles/ms1011.pdf	
4	2019	MS1012		2	0	http://www.bathingwater.ms/profiles/ms1012.pdf	
5	2019	MS1013		1	1	http://www.bathingwater.ms/profiles/ms1013.pdf	High-altitude BW
6	2019	MS1014		4	0	http://www.bathingwater.ms/profiles/ms1014.pdf	
7	2019	MS1015	MSG4	1	0	http://www.bathingwater.ms/profiles/ms1015.pdf	
8	2019	MS1016	MSG4	1	0	http://www.bathingwater.ms/profiles/ms1016.pdf	
9	2019	MS1017		1	0	http://www.bathingwater.ms/profiles/ms1017.pdf	
10	2019	MS1018		3	0	http://www.bathingwater.ms/profiles/ms1018.pdf	
11	2019	MS1019		0	0	http://www.bathingwater.ms/profiles/ms1019.pdf	
12							
13							
14							
15							
16							
17							
18							

Definition: unique identifier of the bathing water. Must be a valid bathing water identifier in the "WFDProtectedArea" registry.

Type: string, 3-43 characters



Preparation of the dataset: Characterisation

	A	B	C	D	E	F	G
1	season	bathingWaterIdentifier	groupIdentifier	qualityClass	geographicalConstraint	link	Remarks
2	2019	MS1010		1	0	http://www.bathingwater.ms/profiles/ms1010.pdf	
3	2019	MS1011		1	0	http://www.bathingwater.ms/profiles/ms1011.pdf	
4	2019	MS1012		2	0	http://www.bathingwater.ms/profiles/ms1012.pdf	
5	2019	MS1013		1	1	http://www.bathingwater.ms/profiles/ms1013.pdf	High-altitude BW
6	2019	MS1014		4	0	http://www.bathingwater.ms/profiles/ms1014.pdf	
7	2019	MS1015	MSG4	1	0	http://www.bathingwater.ms/profiles/ms1015.pdf	
8	2019	MS1016	MSG4	1	0	http://www.bathingwater.ms/profiles/ms1016.pdf	
9	2019	MS1017		1	0	http://www.bathingwater.ms/profiles/ms1017.pdf	
10	2019	MS1018		3	0	http://www.bathingwater.ms/profiles/ms1018.pdf	
11	2019	MS1019		0	0	http://www.bathingwater.ms/profiles/ms1019.pdf	
12							
13							
14							
15							
16							
17							
18							

Definition: unique identifier of the group of bathing waters. The identifier must follow the syntax rules set for the WISE identifiers.

Type: string, 3-43 characters



Preparation of the dataset: Characterisation

	A	B	C	D	E	F	G
1	season	bathingWaterIdentifier	groupIdentifier	qualityClass	geographicalConstraint	link	Remarks
2	2019	MS1010		1		0 http://www.bathingwater.ms/profiles/ms1010.pdf	
3	2019	MS1011		1		0 http://www.bathingwater.ms/profiles/ms1011.pdf	
4	2019	MS1012		2		0 http://www.bathingwater.ms/profiles/ms1012.pdf	
5	2019	MS1013		1		1 http://www.bathingwater.ms/profiles/ms1013.pdf	High-altitude BW
6	2019	MS1014		4		0 http://www.bathingwater.ms/profiles/ms1014.pdf	
7	2019	MS1015	MSG4	1		0 http://www.bathingwater.ms/profiles/ms1015.pdf	
8	2019	MS1016	MSG4	1		0 http://www.bathingwater.ms/profiles/ms1016.pdf	
9	2019	MS1017		1		0 http://www.bathingwater.ms/profiles/ms1017.pdf	
10	2019	MS1018		3		0 http://www.bathingwater.ms/profiles/ms1018.pdf	
11	2019	MS1019		0		0 http://www.bathingwater.ms/profiles/ms1019.pdf	
12							
13							
14							
15							
16							
17							
18							

Characterisation SeasonalPeriod MonitoringResult DO_NOT_DELETE_THIS_SHEET

Definition: national bathing water quality classification.

Type: integer

- Codes:**
- 0 – not classified
 - 1 – excellent
 - 2 – good
 - 3 – sufficient
 - 4 – poor



Preparation of the dataset: Characterisation

	A	B	C	D	E	F	G
1	season	bathingWaterIdentifier	groupIdentifier	qualityClass	geographicalConstraint	link	Remarks
2	2019	MS1010		1	0	http://www.bathingwater.ms/profiles/ms1010.pdf	
3	2019	MS1011		1	0	http://www.bathingwater.ms/profiles/ms1011.pdf	
4	2019	MS1012		2	0	http://www.bathingwater.ms/profiles/ms1012.pdf	
5	2019	MS1013		1	1	http://www.bathingwater.ms/profiles/ms1013.pdf	High-altitude BW
6	2019	MS1014		4	0	http://www.bathingwater.ms/profiles/ms1014.pdf	
7	2019	MS1015	MSG4	1	0	http://www.bathingwater.ms/profiles/ms1015.pdf	
8	2019	MS1016	MSG4	1	0	http://www.bathingwater.ms/profiles/ms1016.pdf	
9	2019	MS1017		1	0	http://www.bathingwater.ms/profiles/ms1017.pdf	
10	2019	MS1018		3	0	http://www.bathingwater.ms/profiles/ms1018.pdf	
11	2019	MS1019		0	0	http://www.bathingwater.ms/profiles/ms1019.pdf	
12							
13							
14							
15							
16							
17							
18							

Definition: whether the bathing water is situated in a region subject to special geographical constraints in accordance with Annex IV of BWD.

Type: boolean (yes/no)

Codes:

- 0 – false
- 1 – true

Preparation of the dataset: Characterisation

	A	B	C	D	E	F	G
1	season	bathingWaterIdentifier	groupIdentifier	qualityClass	geographicalConstraint	link	Remarks
2	2019	MS1010		1		0 http://www.bathingwater.ms/profiles/ms1010.pdf	
3	2019	MS1011		1		0 http://www.bathingwater.ms/profiles/ms1011.pdf	
4	2019	MS1012		2		0 http://www.bathingwater.ms/profiles/ms1012.pdf	
5	2019	MS1013		1		1 http://www.bathingwater.ms/profiles/ms1013.pdf	High-altitude BW
6	2019	MS1014		4		0 http://www.bathingwater.ms/profiles/ms1014.pdf	
7	2019	MS1015	MSG4	1		0 http://www.bathingwater.ms/profiles/ms1015.pdf	
8	2019	MS1016	MSG4	1		0 http://www.bathingwater.ms/profiles/ms1016.pdf	
9	2019	MS1017		1		0 http://www.bathingwater.ms/profiles/ms1017.pdf	
10	2019	MS1018		3		0 http://www.bathingwater.ms/profiles/ms1018.pdf	
11	2019	MS1019		0		0 http://www.bathingwater.ms/profiles/ms1019.pdf	
12							
13							
14							
15							
16							
17							
18							

Definition: hyperlink to document or web pages with the bathing water profile established in accordance with Article 6 and Annex III of BWD.

Type: string, 0-2083 characters

Preparation of the dataset: Characterisation

	A	B	C	D	E	F	G
1	season	bathingWaterIdentifier	groupIdentifier	qualityClass	geographicalConstraint	link	Remarks
2	2019	MS1010			1	0 http://www.bathingwater.ms/profiles/ms1010.pdf	
3	2019	MS1011			1	0 http://www.bathingwater.ms/profiles/ms1011.pdf	
4	2019	MS1012			2	0 http://www.bathingwater.ms/profiles/ms1012.pdf	
5	2019	MS1013			1	1 http://www.bathingwater.ms/profiles/ms1013.pdf	High-altitude BW
6	2019	MS1014			4	0 http://www.bathingwater.ms/profiles/ms1014.pdf	
7	2019	MS1015	MSG4		1	0 http://www.bathingwater.ms/profiles/ms1015.pdf	
8	2019	MS1016	MSG4		1	0 http://www.bathingwater.ms/profiles/ms1016.pdf	
9	2019	MS1017			1	0 http://www.bathingwater.ms/profiles/ms1017.pdf	
10	2019	MS1018			3	0 http://www.bathingwater.ms/profiles/ms1018.pdf	
11	2019	MS1019			0	0 http://www.bathingwater.ms/profiles/ms1019.pdf	
12							
13							
14							
15							
16							
17							
18							

Definition: Remarks, comments or explanatory notes.
Type: string, 0-1000 characters



Preparation of the dataset: seasonalPeriod

	A	B	C	D	E	F	G
1	season	bathingWaterIdentifier	periodType	startDate	endDate	managementMeasures	Remarks
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							

Preparation of the dataset: seasonalPeriod

	A	B	C	D	E	F	G
1	season	bathingWaterIdentifier	periodType	startDate	endDate	managementMeasures	Remarks
2	2019	MS1010	bathingSeason	2019-06-15	2019-08-31		
3	2019	MS1011	bathingSeason	2019-06-15	2019-08-31		
4	2019	MS1012	bathingSeason	2019-06-15	2019-08-31		
5	2019	MS1013	bathingSeason	2019-06-15	2019-08-31		
6	2019	MS1014	bathingSeason	2019-06-15	2019-08-31		
7	2019	MS1015	bathingSeason	2019-06-15	2019-08-31		
8	2019	MS1016	bathingSeason	2019-06-15	2019-08-31		
9	2019	MS1016	shortTermPollution	2019-07-18	2019-07-20	Malfunctioning sewage system resulted in water pollution.	
10	2019	MS1016	qualityChanges	2019-03-11	2019-05-13	Implementing UWWTD with construction of new UWWT plants	
11	2019	MS1019	delisted	2019-06-15	2019-08-31		
12							
13							
14							
15							
16							
17							
18							

Definition: specifies the type of seasonal period.

Type: string

Codes:

- bathingSeason
- bathingProhibition
- shortTermPollution
- abnormalSituation
- inaccessible
- qualityChanges
- cyanobacteriaBloom
- delisted
- other



Preparation of the dataset: seasonalPeriod

	A	B	C	D	E	F	G
1	season	bathingWaterIdentifier	periodType	startDate	endDate	managementMeasures	Remarks
2	2019	MS1010	bathingSeason	2019-06-15	2019-08-31		
3	2019	MS1011	bathingSeason	2019-06-15	2019-08-31		
4	2019	MS1012	bathingSeason	2019-06-15	2019-08-31		
5	2019	MS1013	bathingSeason	2019-06-15	2019-08-31		
6	2019	MS1014	bathingSeason	2019-06-15	2019-08-31		
7	2019	MS1015	bathingSeason	2019-06-15	2019-08-31		
8	2019	MS1016	bathingSeason	2019-06-15	2019-08-31		
9	2019	MS1016	shortTermPollution	2019-07-18	2019-07-20	Malfunctioning sewage system resulted in water pollution.	
10	2019	MS1016	qualityChanges	2019-03-11	2019-05-13	Implementing UWWTD with construction of new UWWT plants	
11	2019	MS1019	delisted	2019-06-15	2019-08-31		
12							
13							
14							
15							
16							
17							
18							

Definition: start date (YYYY-MM-DD) of the seasonal period. For some period types if the startDate is unknown or is yet undetermined, the conventional value '9999-12-31' should be reported.

Type: date

* The actual national data (including quality class) were changed manually for presentation purposes.

Preparation of the dataset: seasonalPeriod

	A	B	C	D	E	F	G
1	season	bathingWaterIdentifier	periodType	startDate	endDate	managementMeasures	Remarks
2	2019	MS1010	bathingSeason	2019-06-15	2019-08-31		
3	2019	MS1011	bathingSeason	2019-06-15	2019-08-31		
4	2019	MS1012	bathingSeason	2019-06-15	2019-08-31		
5	2019	MS1013	bathingSeason	2019-06-15	2019-08-31		
6	2019	MS1014	bathingSeason	2019-06-15	2019-08-31		
7	2019	MS1015	bathingSeason	2019-06-15	2019-08-31		
8	2019	MS1016	bathingSeason	2019-06-15	2019-08-31		
9	2019	MS1016	shortTermPollution	2019-07-18	2019-07-20	Malfunctioning sewage system resulted in water pollution.	
10	2019	MS1016	qualityChanges	2019-03-11	2019-05-13	Implementing UWWTD with construction of new UWWT plants	
11	2019	MS1019	delisted	2019-06-15	2019-08-31		
12							
13							
14							
15							
16							
17							
18							

Definition: Description of significant management measures taken in the scope of reported seasonal period. Additional information must be reported in the managementMeasures element for all period types except 'bathingPeriod'.

Type: string, 0-5000 characters

* The actual national data (including quality class) were changed manually for presentation purposes.

Preparation of the dataset: monitoringResult

	A	B	C	D	E	F	G	H	I
1	season	bathingWaterIdentifier	sampleDate	intestinalEnterococciValue	escherichiaColiValue	sampleStatus	intestinalEnterococciStatus	escherichiaColiStatus	Remarks
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									

Characterisation SeasonalPeriod MonitoringResult DO_NOT_DELETE_THIS_SHEET

Preparation of the dataset: monitoringResult

	A	B	C	D	E	F	G	H	I
1	season	bathingWaterIdentifier	sampleDate	intestinalEnterococciValue	escherichiaColiValue	sampleStatus	intestinalEnterococciStatus	escherichiaColiStatus	Remarks
2	2019	MS1015	2019-06-04	675	15	preSeasonSample	confirmedValue		
3	2019	MS1015	2019-06-18	15	0			missingValue	
4	2019	MS1015	2019-07-09	15	15				
5	2019	MS1015	2019-07-30	15	15				
6	2019	MS1015	2019-08-20	15	15				
7	2019	MS1016	2019-06-04	30	30	preSeasonSample			
8	2019	MS1016	2019-06-18	346	197		confirmedValue		
9	2019	MS1016	2019-07-02	618	988	shortTermPollutionSample			
10	2019	MS1016	2019-07-04	15	15	confirmationSample			
11	2019	MS1016	2019-07-09	15	15	replacementSample			
12	2019	MS1016	2019-07-23	109	46				
13									
14									
15									
16									
17									
18									

Definition: sampling date (YYYY-MM-DD).
Type: date

Preparation of the dataset: monitoringResult

	A	B	C	D	E	F	G	H	I
1	season	bathingWaterIdentifier	sampleDate	intestinalEnterococciValue	escherichiaColiValue	sampleStatus	intestinalEnterococciStatus	escherichiaColiStatus	Remarks
2	2019	MS1015	2019-06-04	675	15	preSeasonSample	confirmedValue		
3	2019	MS1015	2019-06-18	15	0			missingValue	
4	2019	MS1015	2019-07-09	15	15				
5	2019	MS1015	2019-07-30	15	15				
6	2019	MS1015	2019-08-20	15	15				
7	2019	MS1016	2019-06-04	30	30	preSeasonSample			
8	2019	MS1016	2019-06-18	346	197		confirmedValue		
9	2019	MS1016	2019-07-02	618	988	shortTermPollutionSample			
10	2019	MS1016	2019-07-04	15	15	confirmationSample			
11	2019	MS1016	2019-07-09	15	15	replacementSample			
12	2019	MS1016	2019-07-23	109	46				
13									
14									
15									
16									
17									
18									

Definition: Measured concentration of bacteria per sample in "colony forming unit" per 100 ml (cfu/100ml).

Type: integer



Preparation of the dataset: monitoringResult

	A	B	C	D	E	F	G	H	I
1	season	bathingWaterIdentifier	sampleDate	intestinalEnterococciValue	escherichiaColiValue	sampleStatus	intestinalEnterococciStatus	escherichiaColiStatus	Remarks
2	2019	MS1015	2019-06-04	675	15	preSeasonSample	confirmedValue		
3	2019	MS1015	2019-06-18	15	0			missingValue	
4	2019	MS1015	2019-07-09	15	15				
5	2019	MS1015	2019-07-30	15	15				
6	2019	MS1015	2019-08-20	15	15				
7	2019	MS1016	2019-06-04	30	30	preSeasonSample			
8	2019	MS1016	2019-06-18	346	197		confirmedValue		
9	2019	MS1016	2019-07-02	618	988	shortTermPollutionSample			
10	2019	MS1016	2019-07-04	15	15	confirmationSample			
11	2019	MS1016	2019-07-09	15	15	replacementSample			
12	2019	MS1016	2019-07-23	109	46				
13									
14									
15									
16									
17									
18									

Definition: information regarding missing samples, specific circumstances of samples etc.

Type: string

- Codes:**
- missingSample (highest importance)
 - confirmationSample
 - shortTermPollutionSample
 - replacementSample
 - preSeasonSample (lowest importance)



Preparation of the dataset: monitoringResult

	A	B	C	D	E	F	G	H	I
1	season	bathingWaterIdentifier	sampleDate	intestinalEnterococciValue	escherichiaColiValue	sampleStatus	intestinalEnterococciStatus	escherichiaColiStatus	Remarks
2	2019	MS1015	2019-06-04	675	15	preSeasonSample	confirmedValue		
3	2019	MS1015	2019-06-18	15	0			missingValue	
4	2019	MS1015	2019-07-09	15	15				
5	2019	MS1015	2019-07-30	15	15				
6	2019	MS1015	2019-08-20	15	15				
7	2019	MS1016	2019-06-04	30	30	preSeasonSample			
8	2019	MS1016	2019-06-18	346	197		confirmedValue		
9	2019	MS1016	2019-07-02	618	988	shortTermPollutionSample			
10	2019	MS1016	2019-07-04	15	15	confirmationSample			
11	2019	MS1016	2019-07-09	15	15	replacementSample			
12	2019	MS1016	2019-07-23	109	46				
13									
14									
15									
16									
17									
18									

Definition: information regarding specific bacteria value.

Type: string

- Codes:**
- confirmedValue
 - limitOfDetectionValue
 - missingValue



3.c: Delivery of data / How to use Reportnet

How to use Reportnet – Upload the filled data do CDR

- Go to the respective national BWD folder, in EEA's Central Data Repository (CDR): [http://cdr.eionet.europa.eu/\[cc\]/eu/bwd/bwd_787](http://cdr.eionet.europa.eu/[cc]/eu/bwd/bwd_787)

For each Member State, EIONET helpdesk has created a subfolder named “Monitoring and Classification of Bathing Waters - 2019”

You can test your delivery on [CDR Sandbox](#)
User name: datareporter
Password: datareporter

EIONET
Central Data Repository

You are here: Eionet» CDR» Latvia» European Union (EU) obligations» Bathing Water Directive 2006/7/EC» Monitoring and Classification of Bathing Waters - 2019

Services

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

Account Services

Overview

Monitoring and Classification of Bathing Waters - 2019

Obligation(s) [Bathing Water Directive - Monitoring and Classification of Bathing Waters - 2019](#)

Envelopes and subcollections

EIONET
Central Data Repository

CDR Sandbox website

You are here: Eionet» CDR» Lithuania» European Union (EU) obligations» Bathing Water Directive 2006/7/EC» Monitoring and Classification of Bathing Waters - 2019

Services

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

Account Services

Overview

Monitoring and Classification of Bathing Waters - 2019

Obligation(s) [Bathing Water Directive - Monitoring and Classification of Bathing Waters - 2019](#)

Envelopes and subcollections

[EEA TEST DATA - 2019 - DO NOT DELETE](#)



How to use Reportnet – Run the automatic QA

- For the uploaded data, a set of automatic QA/QC tests should be performed by clicking “Run automatic QA”

You are here: Eionet» CDR» France» European Union (EU) obligations» Bathing Water Directive 2006/7/EC» Monitoring and Classification of Bathing Waters - 2019» FR_BWD_2019_test

Services

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

Account Services

I have

- » lost my password

Note

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

Draft delivery Overview Draft delivery Edit properties History

Upload delivery

Run automatic QA

Deactivate task

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 the 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"/>	Characterisation.xml	Converted from - FR_BWD_2018_test_changed_data_20191121.xls	25 Nov 2019	18.5 KB	Run QA #1 Run QA #2
<input type="checkbox"/>	FR_BWD_2018_test_changed_data_20191121.xls	Excel file - converted into an XML delivery	25 Nov 2019	94.5 KB	
<input type="checkbox"/>	MonitoringResult.xml	Converted from - FR_BWD_2018_test_changed_data_20191121.xls	25 Nov 2019	141 KB	Run QA #1 Run QA #2
<input type="checkbox"/>	SeasonalPeriod.xml	Converted from - FR_BWD_2018_test_changed_data_20191121.xls	25 Nov 2019	17.5 KB	Run QA #1 Run QA #2

Rename Cut Copy Delete

Feedback for this envelope

[Conversion log for file FR_BWD_2018_test_changed_data_20191121.xls](#) (Posted automatically on 25 Nov 2019)



How to use Reportnet – Run the automatic QA

- There are **three** different issue types that can be returned by the QA/QC

Issue Type	Description
Blocker	A critical issue. The envelope can not be released. A blocker is an inconsistency in the structure or content of the data. It is not possible to release an envelope with critical errors: the status of the envelope will remain in Draft to allow you to replace the files with corrected ones.
Error	A non-critical issue. The envelope can be released, but part of its content may be excluded from the European database (or be marked as having low reliability). Data Reporters are strongly advised to correct the non-critical errors.
Warning	An issue that may be problematic. Data Reporters are advised to check the correctness of the records or values that raised the warning. The envelope can be released. If the automated QC returned warnings, a clarification may be requested by the Data Client, when the data is processed and the final feedback is added to the envelope (e.g. geographicalConstraints has changed from the previous season).

How to use Reportnet – QC on the data of each individual file

1. QC on the data of each individual file individual file (3 checks)

Test Example

Overview
Edit properties
History
Data quality

Results of automatic data quality checks

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

Characterisation.xml

- **BLOCKER:** The quality control found 38 blockers in the Characterisation file - the critical issues must be corrected. [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...](#)

MonitoringResult.xml

- **BLOCKER:** The quality control found 35 blockers in the MonitoringResult file - the critical issues must be corrected. [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...](#)

SeasonalPeriod.xml

- **BLOCKER:** The quality control found 73 blockers in the SeasonalPeriod file - the critical issues must be corrected. [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...](#)

Envelope test

- **INFO:** The quality control found no issues when comparing the Characterisation file with the other files in the envelope. [Show more...](#)
- **BLOCKER:** The quality control found 224 blockers when comparing the MonitoringResult file with the other files in the envelope - the critical issues must be corrected. [Show more...](#)
- **INFO:** The quality control found the 3 required files. [Show more...](#)
- **BLOCKER:** The quality control found 37 blockers when comparing the SeasonalPeriod file with the other files in the envelope - the critical issues must be corrected. [Show more...](#)



How to use Reportnet – QC on the data of each individual file

[Back to envelope](#)

Type	Blockers	Errors	Warnings	All
Count	38	0	8	46

Summary

Type	Code	Issue description	Count
Blocker	SM01	Season must not be missing or empty.	1
Blocker	SM02	BathingWaterIdentifier must not be missing or empty.	1
Blocker	SM04	QualityClass must not be missing or empty.	1
Blocker	SM05	GeographicalConstraint must not be missing or empty.	1
Blocker	ST01	Season is not a valid integer.	1
Blocker	ST02	BathingWaterIdentifier is not a valid string with a maximum of 42 characters.	1
Blocker	ST03	GroupIdentifier is not a valid string with a maximum of 42 characters.	2
Blocker	ST04	QualityClass is not a valid integer.	1
Blocker	ST05	GeographicalConstraint is not a valid boolean.	1
Blocker	ST06	Link is not a valid string with a maximum of 2083 characters.	1

Showing 1 to 10 of 22 entries

Previous 1 2 3 Next

Details (the table shows a maximum of 300 issues)

Row	Element name	Element value	Type
17	geographicalConstraint		Blocker
18	geographicalConstraint	2	Blocker
19	link	http://baignades.sante.gouv.fr/baignades/navigMap...	Blocker
20	link	www.baignades.sante.gouv.fr/baignades/navigMap.do?...	Blocker
22	season	2018	Blocker
23	bathingWaterIdentifier	FR272301054D043076	Blocker
24	bathingWaterIdentifier	FR272301054D043076	Blocker
25	groupIdentifier	FR2	Blocker
25	groupIdentifier	FR2	Warning
26	bathingWaterIdentifier	FR272401037D063160NEWBW	Blocker

Showing 31 to 40 of 46 entries

Reported data is not in line with BWD data dictionary:

- Mandatory elements are not reported (e.g. *sampleDate*=“”).
- Elements are reported in the wrong format (e.g. *geographicalConstraint*=‘NoGeoConstrain’
- Reported value exceeds maximum number of characters.
- Reported value is not a valid identifier (e.g. *qualityClass*=7)
-

Details (the table shows a maximum of 300 issues)

Row	Element name	Element value	Type	Code	
244	sampleDate	2018-10-10	Warning	RD17A	The sampleDate i
245	sampleDate	2018-11-08	Warning	RD17A	The sampleDate i
246	sampleDate	2018-11-23	Warning	RD17A	The sampleDate i
247	sampleDate	2018-12-20	Warning	RD17A	The sampleDate i
451	sampleDate	2018-09-22	Warning	RD17A	The sampleDate i
452	sampleDate	2018-10-18	Warning	RD17A	The sampleDate i
453	sampleDate	2018-11-16	Warning	RD17A	The sampleDate i
454	sampleDate	2018-12-07	Warning	RD17A	The sampleDate i
458	intestinalEnterococciStatus		Blocker	RD21A	The intestinalEnte
season 2019					
bathingWaterIdentifier FRM976025					
sampleDate 2019-04-09					
459	escherichiaColiStatus		Blocker	RD22A	The escherichiaCc

Showing 41 to 50 of 66 entries



2. Cross-check QC on the data per couple of files (3 checks)

Overview Edit properties History **Data quality**

Results of automatic data quality checks

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

Characterisation.xml

- **BLOCKER:** The quality control found 38 blockers in the Characterisation file - the critical issues must be corrected. [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...](#)

MonitoringResult.xml

- **BLOCKER:** The quality control found 35 blockers in the MonitoringResult file - the critical issues must be corrected. [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...](#)

SeasonalPeriod.xml

- **BLOCKER:** The quality control found 73 blockers in the SeasonalPeriod file - the critical issues must be corrected. [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...](#)

Envelope test

- **INFO:** The quality control found no issues when comparing the Characterisation file with the other files in the envelope. [Show more...](#)
- **BLOCKER:** The quality control found 224 blockers when comparing the MonitoringResult file with the other files in the envelope - the critical issues must be corrected. [Show more...](#)
- **INFO:** The quality control found the 3 required files. [Show more...](#)
- **BLOCKER:** The quality control found 37 blockers when comparing the SeasonalPeriod file with the other files in the envelope - the critical issues must be corrected. [Show more...](#)



How to use Reportnet – Cross-check QC on the data per couple of files

Type	Blockers	Errors	Warnings	All
Count	37	18	11	66

> Summary

Type	Code	Issue description	Count
Blocker	DO03	The MonitoringResult file does not contain samples for a bathingWaterIdentifier and season reported in the SeasonalPeriod file.	18
Blocker	DC03A	The MonitoringResult file contains samples for a bathingWaterIdentifier and season not reported in the SeasonalPeriod file.	7
Warning	DO03B	The MonitoringResult file does not contain a confirmation sample for the short-term pollution event reported in the SeasonalPeriod file.	9
Error	DO03C	The MonitoringResult file does not contain a replacement sample for the short-term pollution event reported in the SeasonalPeriod file.	9
Warning	DC03B	The MonitoringResult file contains multiple short-term pollution samples within one short-term pollution event reported in the SeasonalPeriod file.	1
Error	DO03D	The MonitoringResult file does not contain a shortTermPollutionSample for the short-term pollution event reported in the SeasonalPeriod file.	9
Blocker	RD17B	The sampleDate is not in the same year as the bathing season, and is more than one month before the start of the bathing season.	2
Blocker	RD20B	The sample was taken during a short-term pollution event and the sampleStatus is not 'shortTermPollutionSample' or 'missingSample'.	1
Warning	RD20C	The sample date is the first after a short-term pollution period and the sampleStatus is not 'replacementSample' or 'missingSample'.	1
Blocker	RD20D	The sample date is before the start of the bathing season and the sampleStatus is not 'preSeasonSample' or 'missingSample'.	6

Showing 1 to 10 of 11 entries

Previous 1 2 Next

> Details (the table shows a maximum of 300 issues)

Type	Code	Issue description
Blocker	DO03	The MonitoringResult file does not contain samples for a bathingWaterIdentifier and season r
Blocker	DO03	The MonitoringResult file does not contain samples for a bathingWaterIdentifier and season r
Blocker	RD20D	The sample date is before the start of the bathing season and the sampleStatus is not 'preSea
Blocker	DO03	The MonitoringResult file does not contain samples for a bathingWaterIdentifier and season r
Blocker	RD20D	The sample date is before the start of the bathing season and the sampleStatus is not 'preSea
Blocker	DO03	The MonitoringResult file does not contain samples for a bathingWaterIdentifier and season r
Blocker	DO03	The MonitoringResult file does not contain samples for a bathingWaterIdentifier and season r
Blocker	DO03	The MonitoringResult file does not contain samples for a bathingWaterIdentifier and season r
Warning	DO03B	The MonitoringResult file does not contain a confirmation sample for the short-term pollution
Error	DO03C	The MonitoringResult file does not contain a replacement sample for the short-term pollution

Reported data is not in line with BWD data dictionary:

- Specific bathing water is not reported in all corresponding sheets.
- The sample was taken within the bathing season and the *sampleStatus* is 'preSeasonSample'.
- The sample date is before the start of the bathing season and the *sampleStatus* is not 'preSeasonSample',
-

Short-term pollution checks:

- The sample was not taken within a short-term pollution event and the *sampleStatus* is 'shortTermPollutionSample',
- The sample was not taken within 7 days of the end of a short-term pollution event and the *sampleStatus* is 'replacementSample'.
-



How to use Reportnet – Check that the exact 3 required XML files were reported

3. Check that the exact 3 required XML files are present in the envelope

Overview Edit properties History **Data quality**

Results of automatic data quality checks

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

Characterisation.xml

- **BLOCKER:** The quality control found 38 blockers in the Characterisation file - the critical issues must be corrected. [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...](#)

MonitoringResult.xml

- **BLOCKER:** The quality control found 35 blockers in the MonitoringResult file - the critical issues must be corrected. [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...](#)

SeasonalPeriod.xml

- **BLOCKER:** The quality control found 73 blockers in the SeasonalPeriod file - the critical issues must be corrected. [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...](#)

Envelope test

- **INFO:** The quality control found no issues when comparing the Characterisation file with the other files in the envelope. [Show more...](#)
- **BLOCKER:** The quality control found 224 blockers when comparing the MonitoringResult file with the other files in the envelope - the critical issues must be corrected. [Show more...](#)
- **INFO:** The quality control found the 3 required files. [Show more...](#)
- **BLOCKER:** The quality control found 37 blockers when comparing the SeasonalPeriod file with the other files in the envelope - the critical issues must be corrected. [Show more...](#)



How to use Reportnet – Release the envelope

- When the dataset is free of Blockers, the delivery can be completed by **releasing the envelope**.
- Once the envelope is released, it is marked as an official delivery and the specific file **cannot be changed** by the reporter anymore
- For more information see the document **How to use Reportnet for reporting under the Bathing Water Directive** or contact BWD helpdesk (bwd.helpdesk@eionet.europa.eu)

The screenshot displays the Reportnet user interface. On the left, there is a sidebar with 'Services' (Search, Notifications, Help, Manage) and 'Account Services' (lost my password). The main content area has a navigation bar with tabs: 'Overview', 'Draft delivery' (selected), 'Edit properties', 'History', and 'Data quality'. Below the tabs, the 'Draft delivery' section contains three numbered instructions: 1) 'Your first step is to upload one or more files into this envelope. You can always interrupt your work and continue your contribution at a later time without losing data.' 2) 'Before releasing the envelope to the public, you 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.' On the right side of the interface, there are four buttons: 'Upload delivery', 'Run automatic QA', 'Release the envelope' (highlighted with a red border), and 'Deactivate task'.

How to use Reportnet – Release the envelope

- Please notice, that the system (CDR) **does not allow to release the envelope** if it has Blockers.
- For more information see the document **How to use Reportnet for reporting under the Bathing Water Directive** or contact BWD helpdesk (bwd.helpdesk@eionet.europa.eu).

The screenshot displays the Reportnet user interface. On the left, there is a sidebar with 'Services' (Search, Notifications, Help, Manage) and 'Account Services' (lost my password). The main content area has a navigation bar with tabs: Overview, Draft delivery (selected), Edit properties, History, and Data quality. Below the tabs, the 'Draft delivery' section contains three numbered instructions: 1) 'Your first step is to **upload** one or more files into this envelope. You can always interrupt your work and continue your contribution at a later time without losing data.' 2) 'Before releasing the envelope to the public, you 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.' On the right side of the interface, there are four buttons: 'Upload delivery', 'Run automatic QA', 'Release the envelope' (highlighted with a red box), and 'Deactivate task'.

4. Issues related to bathing water data reporting



Issue: prohibited, inaccessible, and delisted bathing waters

- Bathing waters with disturbances in operation and management should be reported through different periods, namely: **bathingProhibition**, **inaccessible**, **delisted**.
- The term "**closed**" is not used any more!
- More than one period can be reported for describing the same situation/event.

periodType	Possible reasons	Connected to water quality	Still officially identified	Duration of the period
bathingProhibition	Short-term pollution, poor quality annual status, or expected pollution due to foreseen reasons	Yes	Yes	Temporary or permanent
inaccessible	Physical inaccessibility due to earthquake, eroded path, construction on the site; or legal reasons that impede bathing and monitoring	No	Yes	Temporary or permanent
delisted	Decreased number of bathers, implementation of protected area that does not allow bathing, long-term poor quality (more than four years)	Yes or no	No	Permanent - no identification planned for the future

Issue: prohibited, inaccessible, and delisted bathing waters

- More than one period can be reported for describing the same situation/event.

Sheet „seasonalPeriod“:

	A	B	C	D	E	F	G
1	season	bathingWaterIdentifier	periodType	startDate	endDate	managementMeasures	Remarks
2	2019	MS1016	bathingSeason	2019-06-15	2019-08-31		
3	2019	MS1016	bathingProhibition	2019-07-18	2019-07-20	Malfunctioning sewage system resulted in water pollution. System repaired in 36 hours.	
4	2019	MS1016	shortTermPollution	2019-07-18	2019-07-20	Malfunctioning sewage system resulted in water pollution. System repaired in 36 hours.	
5	2019	MS1017	bathingSeason	2019-06-15	2019-08-31		
6	2019	MS1017	bathingProhibition	2019-06-15	2019-08-31	Bathing prohibited for the whole season due to poor water quality.	
7	2019	MS1023	bathingSeason	2019-06-15	2019-08-31		
8	2019	MS1023	inaccessible	2019-08-11	2019-09-13	The site was fenced-off due to road reconstruction.	
9	2019	MS1055	delisted	2019-08-31	9999-12-31	Bathers not using the site any more due to popularity of another location.	
10							

Issue: prohibited, inaccessible, and delisted bathing waters

Short-term pollution:

- One reported period
- Three reported samples

Sheet „seasonalPeriod“:

	A	B	C	D	E	F	G
1	season	bathingWaterIdentifier	periodType	startDate	endDate	managementMeasures	Remarks
2	2019	MS1016	shortTermPollution	2019-07-02	2019-07-04	Malfunctioning sewage system resulted in water pollution.	

Sheet „monitoringResult“:

	A	B	C	D	E	F	G	H	I
1	season	bathingWaterIdentifier	sampleDate	intestinalEnterococciValue	escherichiaColiValue	sampleStatus	intestinalEnterococciStatus	escherichiaColiStatus	Remarks
2	2019	MS1016	2019-07-02	618	988	shortTermPollutionSample			
3	2019	MS1016	2019-07-04	15	15	confirmationSample			
4	2019	MS1016	2019-07-09	15	15	replacementSample			

Issue: bathing waters in groups

Do not replicate samples before reporting. Report only samples for the actual site of monitoring.

Sheet „Characterisation“:

	A	B	C	D	E	F	G
1	season	bathingWaterIdentifier	groupIdentifier	qualityClass	geographicalConstraint	link	Remarks
2	2019	MS1018	MSG4	1		0 http://www.bathingwater.ms/profiles/ms1018.pdf	
3	2019	MS1019	MSG4	1		0 http://www.bathingwater.ms/profiles/ms1019.pdf	

Sheet „SeasonalPeriod“:

	A	B	C	D	E	F	G
1	season	bathingWaterIdentifier	periodType	startDate	endDate	managementMeasures	Remarks
2	2019	MS1018	bathingSeason	2019-06-15	2019-08-31		
3	2019	MS1019	bathingSeason	2019-06-15	2019-08-31		

Sheet „MonitoringResult“:

	A	B	C	D	E	F	G	H	I
1	season	bathingWaterIdentifier	sampleDate	intestinalEnterococciValue	escherichiaColiValue	sampleStatus	intestinalEnterococciStatus	escherichiaColiStatus	Remarks
2	2019	MS1018	2019-06-04	20	15				
3	2019	MS1018	2019-06-18	15	15				
4	2019	MS1018	2019-07-09	15	15				
5	2019	MS1018	2019-07-30	15	15				
6	2019	MS1018	2019-08-20	15	15				

5. Assessment principles



EEA/NSV/13/002 – ETC/ICM

European Environment Agency
European Topic Centre on Inland,
Coastal and Marine Waters



Guidelines for assessment under the Bathing Water Directive

Prepared by:

ETC/ICM (Lidija Globevnik, Luka Snoj, Gašper Šubelj), October 2019

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3.3.1. Minimum number of samples to execute assessment	10
3.3.2. Status determination – calculation of percentiles	10

Link:

<https://cdr.eionet.europa.eu/help/BWD/Guidelines%20for%20assessment%20under%20the%20BWD.pdf>

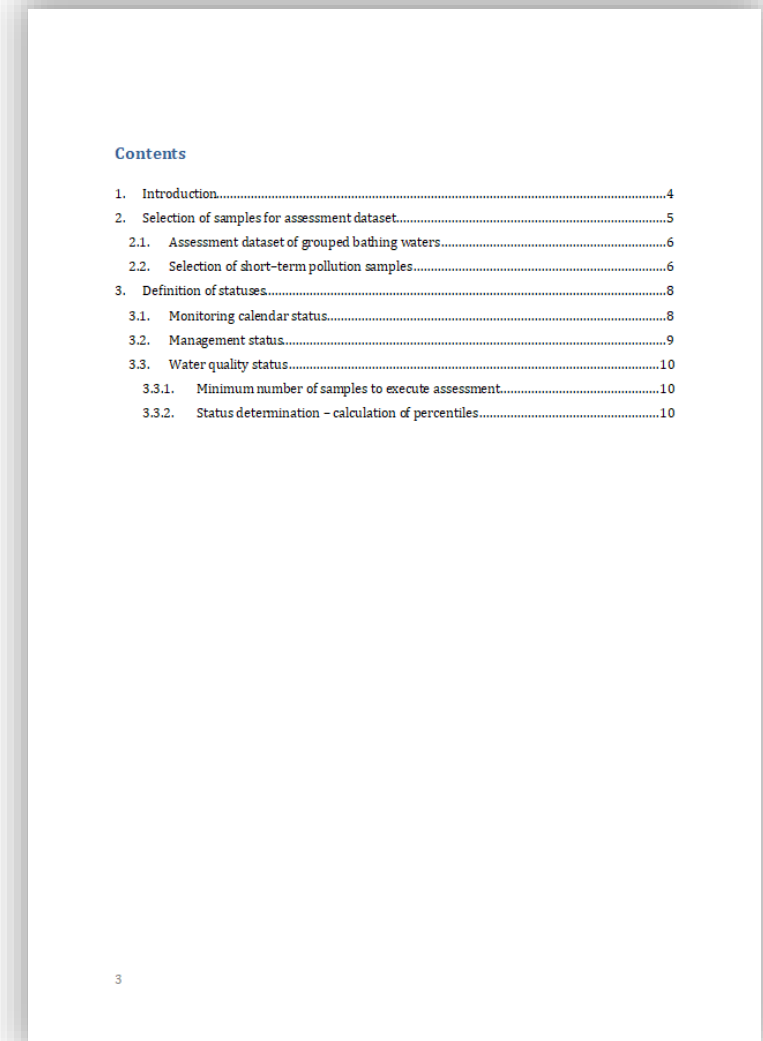
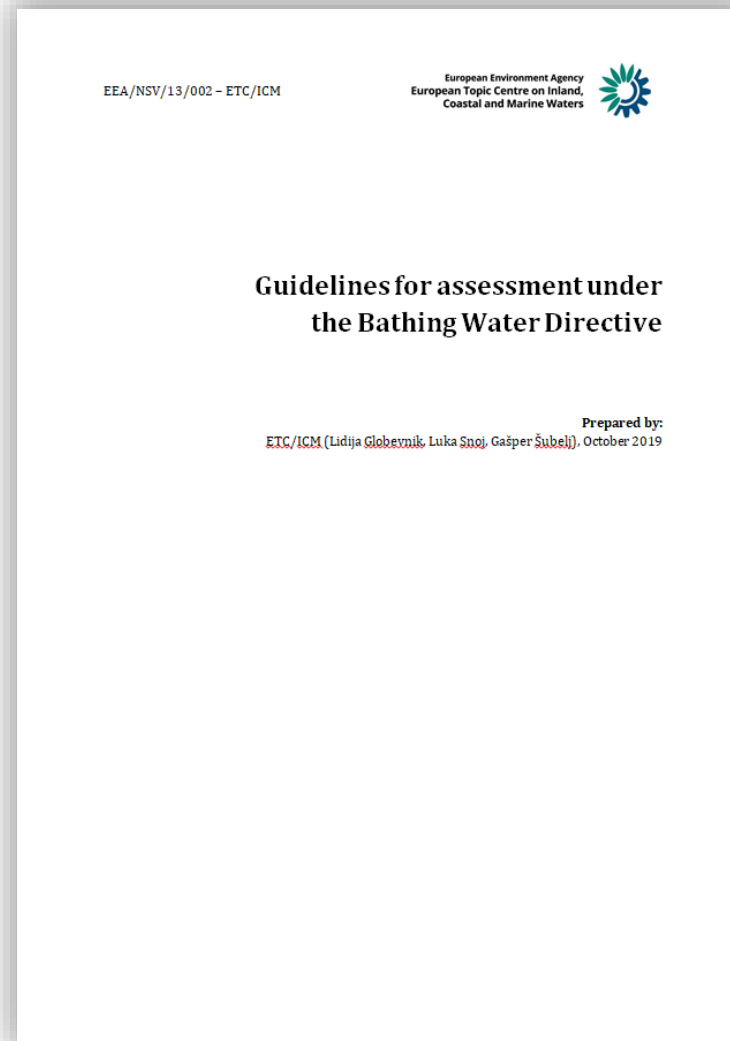
European Environment Agency



Assessment procedures

Read [this document](https://cdr.eionet.europa.eu/help/BWD/), available at the CDR Help section:

<https://cdr.eionet.europa.eu/help/BWD/>



- **monitoring calendar status:**
 - 0 – Not implemented
 - 1 – Implemented
- **management status:**
 - 1 – Continuously monitored
 - 2 – Newly identified
 - 3 – Quality changes
 - 4 – Monitoring gap
- **bathing water quality status:**
 - 0 – Not classified
 - 1 – Excellent
 - 2 – Good
 - 3 – Sufficient
 - 4 – Poor

Examples:

„At the bathing water site ‚Adriatic Sands East‘, the monitoring calendar was implemented in the season 2019. The bathing water has been ‚newly identified‘ and cannot be quality-classified yet.“

„At the bathing water site ‚Adriatic Sands West‘, the monitoring calendar was not implemented in the season 2019. The bathing water has been continuously monitored and is classified ‚excellent‘.“

Sample selection

1. Select assessment period
2. Select all samples in the assessment period
3. Disregard short-term pollution (STP) samples (if conditions met)
4. Disregard multiple pre-season samples and post-season samples

Conclusions

- We encourage you to report in the [BWD 2019 template](#) (ROD 787).
- Please report the 2019 data in only **one** template – test and play in [CDR Sandbox](#).
- BWD helpdesk: bwd.helpdesk@eionet.europa.eu

Next steps

- Data reporters to prepare the 2019 data.
- Ask bwd.helpdesk@eionet.europa.eu if any problems.
- Upload 2019 data before the 31 December deadline.
- January/February EEA (ETC) to provide final feedback on data including clarify issues.
- New bathing water sites may be added to the spatial dataset.
- EEA to consult on draft bathing water quality assessment and draft country reports.
- Member States and data reporters to quality check EEAs information.
- Expert workshop tentative planned 10 March 2020 on issues related to reporting, assessment of status, short-term pollution, poor status, and Reportnet 3.0.

Reportnet 3.0

Our approach to develop the modernised e-Reporting system for streamlining environmental reporting

In 2018, the EEA has initiated Reportnet 3.0 project to promote and modernise eReporting with the latest IT solutions. This modern reporting infrastructure will stepwise integrate data flows under the EU environmental legislation, take into account national capabilities and provide a platform that supports new types of data (e.g. Copernicus, citizen science) and data from an extended group of stakeholders. To achieve this initiative, the EEA is working closely with the nominated experts from the EEA Member Countries and the Commission Services (DG ENV, DG CLIMA, DG ENER and JRC).

Reportnet 3.0 will act as a central hub through which all e-Reporting activities handled by the EEA with Eionet and other partners will be performed.

The system stepwise replaces the current Reportnet system and is foreseen as a one-stop-shop for all involved stakeholders. It will effectively address the issues faced by the reporters so far and employ modern approaches in software development (i.e. with regards to security, scalability, architecture, interoperability, etc.). Reportnet 3.0 will be designed to work seamlessly across organisations and supports existing legal obligations (e.g. INSPIRE) and standards to assure the reuse and interoperability of data.

Reportnet 3.0 project is initiated in 2018 to be finalised at the end of 2020. The migration of the reported data will start during this time and continue together with further system development beyond the duration of this project.

Reportnet 3.0 documents

Business Vision

For the other public documents, please visit our [project page](#).

Newsletters

Issue 1 (January 2019)

Issue 2 (April 2019)

Issue 3 (July 2019)

Issue 4 (October 2019)

Leaflet

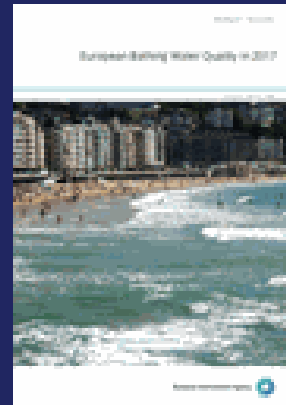
Reportnet 3.0 Leaflet

<https://www.eionet.europa.eu/reportnet/reportnet-3.0>

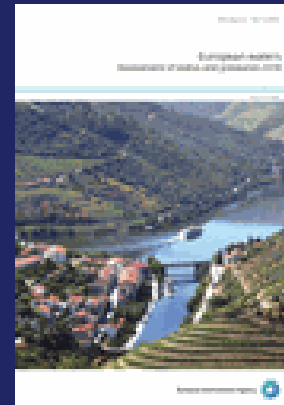


Questions

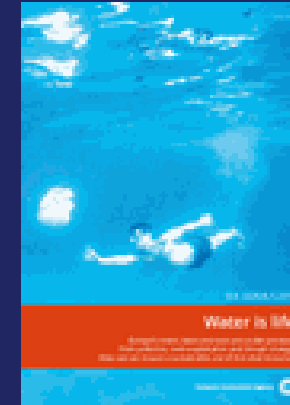
European bathing water quality in 2017



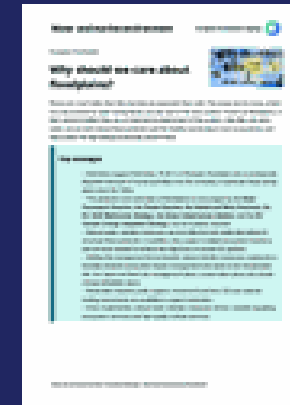
European waters -- Assessment of status and pressures 2018



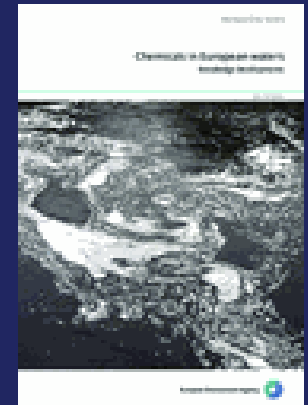
EEA SIGNALS 2018 Water is life



Why should we care about floodplains?



Chemicals in Europe's waters



<https://water.europa.eu/>
<https://www.eea.europa.eu/>
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European Environment Agency

