

Hungarian bathing water quality in 2018



Hungary 

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Photo: © Peter Kristensen/EEA



Bathing Water Quality in the Season 2018

Hungary

Under the provisions of the [Bathing Water Directive](#), more than 21 000 bathing waters are monitored in Europe each season. The monitoring data and other information regarding bathing water management are reported to the European Environment Agency by 30 reporting countries in Europe, to be assessed for the annual European report and more detailed national reports.

1. BWD reporting in the season 2018

In the season 2018, Hungary identified and reported **253 bathing waters**, which is 1.1% of all bathing waters in Europe. One bathing water in Hungary has been newly identified for the season 2018. Five bathing waters reported in the preceding seasons have not been reported any more in 2018.

Bathing waters of Hungary in the season 2018		Bathing water quality in the season 2018	
Total reported	253	Excellent	183 (72.3%)
Coastal	0	Good	30 (11.9%)
Inland	253	Sufficient	12 (4.7%)
		Poor	8 (3.2%)
Total reported samples	1014	Not classified	20 (7.9%)

The bathing waters are quality classified according to the two microbiological parameters (Escherichia coli and Intestinal enterococci) defined in the Bathing Water Directive. 88.9% of reported bathing waters are in line with the minimum quality standards of the Directive, thus classified “sufficient” or better. Eight bathing waters are of “poor” quality.

More detailed information on bathing waters of Hungary is available at the national bathing water portal <http://oki.antsz.hu/>.

2. BWD monitoring

Each bathing water that is identified by the reporting country needs to have a monitoring calendar established before the bathing season. The monitoring calendar requirements can be summarised as follows: (1) a pre-season sample is to be taken shortly before the start of each bathing season; (2) no fewer than four (alternatively, three for specific cases) samples are to be taken and analysed per bathing season; and (3) an interval between sampling dates never exceeds one month.

From the reported data, the assessment also designates effective implementation of the monitoring calendar. In Hungary, monitoring calendar for 2018 was not implemented at two bathing waters.

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.	251	99.20%
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.	2	0.80%

In addition to the monitoring calendar, management specifics of the last assessment period of four years are also assessed. The status primarily indicates whether the complete dataset of four seasons is available, but also points out the reasons as to why the bathing waters do not have the complete last assessment period dataset. The latter may indicate developing conditions at the site – most importantly, whether the bathing water has been newly identified within the period, or any changes have occurred that are likely to affect the classification of the bathing water.

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.	235	92.90%
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.	16	6.30%
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.	0	0%
Monitoring gap A bathing water was not monitored for at least one season in the last assessment period. No quality	2	0.80%

classification is made if no samples are reported for the most recent season.		
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3. Bathing water quality

3.1 Inland bathing waters

Inland bathing waters are situated at rivers and lakes, featuring fresh water and with respective parameter thresholds defined in Annex I of the Directive. Quality trend in Hungary for the period 1990–2018 if historical data are available is shown in Figure 1. Count of bathing waters by quality class for the last assessment period 2015–2018 is given in Annex I.

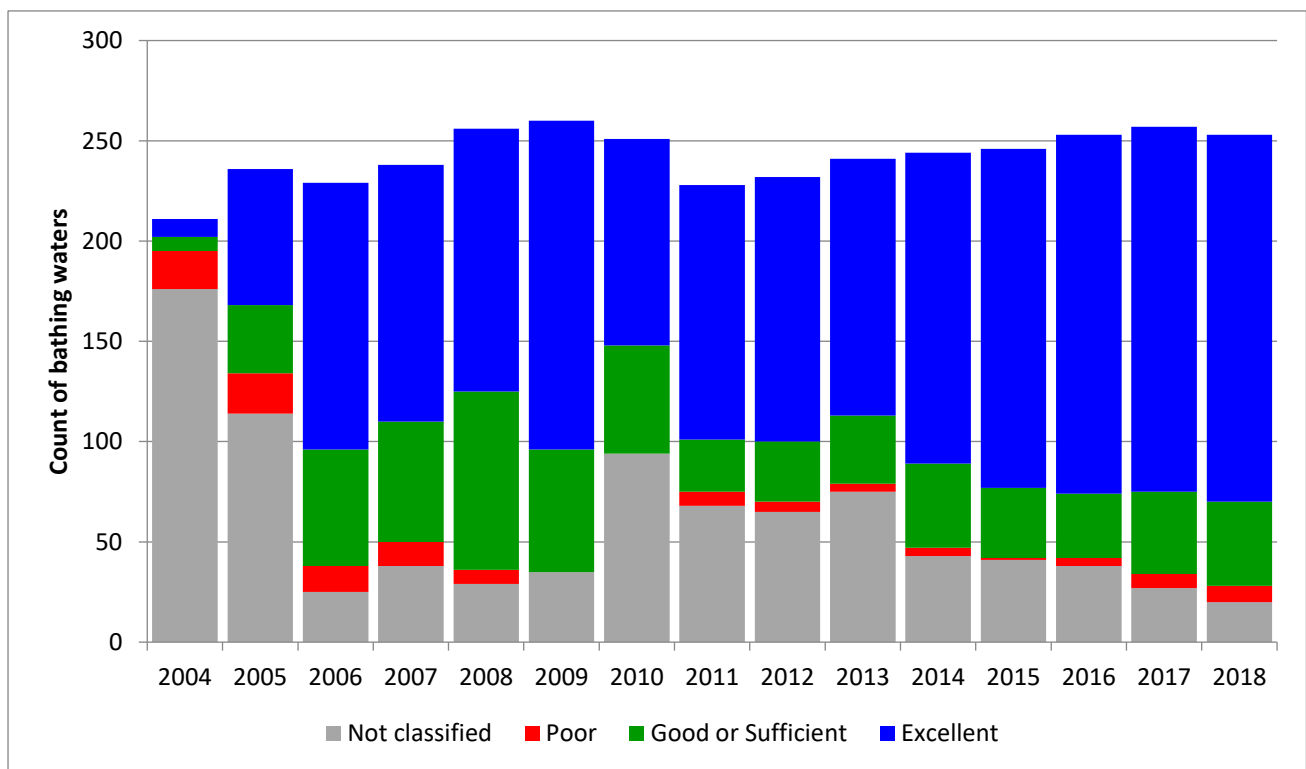


Figure 1: Trend of inland bathing water quality in Hungary. Notes: Each column represents an absolute count of bathing waters in the season. Quality classes “good” and “sufficient” are merged for comparability with classification of the preceding Bathing Water Directive 76/160/EEC.

4. Bathing water management in Hungary

In addition to monitoring data, reporting countries also provide information on bathing water management in the country. The information is used to exchange good practices, discuss issues on the European level, and understand the specifics of implementation of the Directive.

One new bathing water (Algyoi strand) was newly identified for the 2018 bathing season. Abnormal situations have been reported due to flooding of three bathing waters: Maros Kalandpart, Zebegenyi strand and Ujszegedi Partfurdo. Bathing water Martelyi strand has been affected by cyanobacterial proliferation two times during the bathing season. Bathing water profiles for each bathing water are available on the following link: <http://oki.antsz.hu/dokumentumtar/17>.

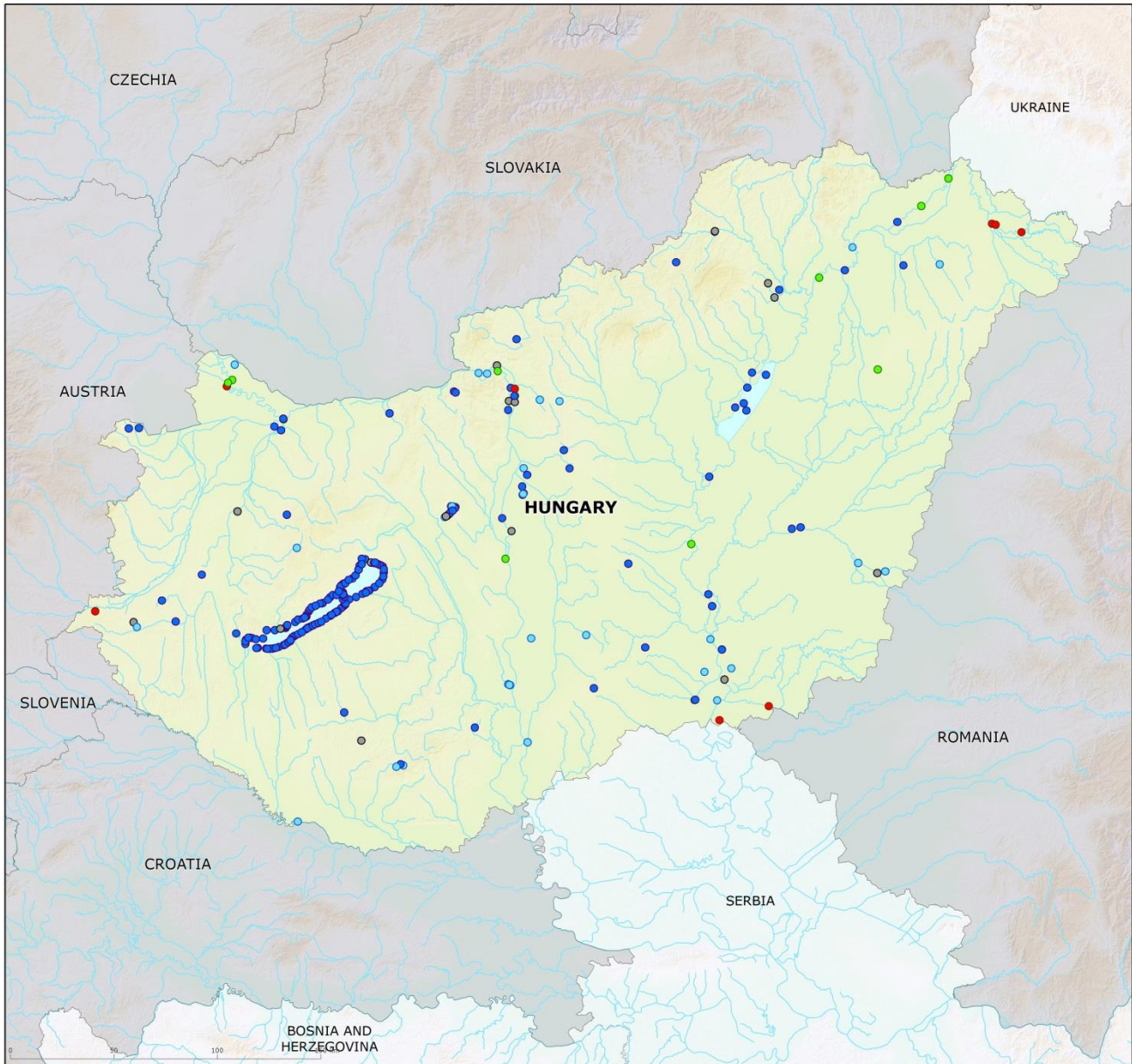
Annex I Bathing water quality in Hungary in 2015–2018

Table 3: Bathing water quality by water category and season

		Total count of bathing waters	Excellent		Good		Sufficient		Poor		Not classified	
			Count	%	Count	%	Count	%	Count	%	Count	%
Total	2015	246	169	68.7	29	11.8	6	2.4	1	0.4	41	16.7
	2016	253	179	70.8	29	11.5	3	1.2	4	1.6	38	15.0
	2017	257	182	70.8	34	13.2	7	2.7	7	2.7	27	10.5
	2018	253	183	72.3	30	11.9	12	4.7	8	3.2	20	7.9

Annex II Bathing water quality map

Map 1: Bathing waters reported during the 2018 bathing season in Hungary



Bathing water quality

- Excellent water quality
- Good water quality
- Sufficient water quality
- Poor water quality
- Quality classification not possible
- No data
- Outside data coverage (data available, not presented on the map)

Source: National boundaries: EEA; Large rivers and lakes: EEA, WFD article 3; Rivers in Western Balkan: TC Vode; Bathing waters data and coordinates: Hungarian authorities; Digital Elevation Model over Europe (EU-DEM): EEA.