

Bathing water results 2010 – Italy

1. Reporting and assessment

This report gives a general overview of bathing water quality in Italy during the 2010 bathing season. In 2010 Italy reported under the Directive 2006/7/EC.

Before the necessary data set for assessment of bathing water quality under the Directive 2006/7/EC is compiled (data for three or four consecutive years) the rules for transition period assessment are applied. This means that the classification of bathing waters is defined on the basis of concentrations of intestinal enterococci and *Escherichia coli* that are reported under the Directive 2006/7/EC. The limit values for the classification are taken from the Directive 76/160/EEC. For the conversion of reported parameters under the Directive 2006/7/EC, Article 13.3 of the Directive 2006/7/EC foresees that the parameter *Escherichia coli*, reported under the Directive 2006/7/EC, is assumed to be equivalent to the parameter faecal coliforms of the Directive 76/160/EEC. The parameter intestinal enterococci reported under the Directive 2006/7/EC is assumed to be equivalent to the parameter faecal streptococci.

The results are classified in the following categories:

- **Class CI:** Compliant with the mandatory value of the Directive 76/160/EEC for *Escherichia coli* and not compliant with the guide values of the Directive 76/160/EEC for *Escherichia coli* or intestinal enterococci;
- **Class CG:** Compliant with the mandatory value of the Directive 76/160/EEC for *Escherichia coli* and the more stringent guide values for the *Escherichia coli* and intestinal enterococci;
- **Class NC:** Not compliant with the mandatory value of the Directive 76/160/EEC for *Escherichia coli*;
- **Class B:** Banned or closed (temporary or throughout the season);
- **Class NF:** Insufficiently sampled;
- **Class NS:** Not sampled.

The new bathing water directive (2006/7/EC) requires Member States to start sampling shortly before the start of the bathing season. It also requires that the interval between sampling should not exceed one month. In some cases these required changes in regard to the old bathing water directive (76/160/EEC) have not yet been implemented, resulting in a late start date of sampling at some sites and/or insufficiently frequent sampling. For that reason two rules in regard to sampling frequency are considered in the assessment of the monitoring results in 2010. By the first rule, 41 days were taken as a maximum difference between two samples (less strict rule), whereas by the second rule the maximum days between two samples considered were 32 days (strict rule). The new directive also requires that the first sample must be taken shortly before the start of a bathing season. However, in the assessment of bathing water quality in 2010, the first sample could be taken not later than 10 days after the start of the bathing season. If this was a case, the second sample should have been taken no later than 41 days after the start of the bathing season when the less strict rules or 32 days when the strict rules are used in the assessment. The bathing water is classified as insufficiently sampled or not sampled when the pre-season sample is missing or when the difference between two consecutive samples is larger than 41 days by the less strict rule or 32 days by the strict rule. In graphs results applying the less strict rules are presented.

2. Length of bathing season and number of bathing waters

Most coastal bathing waters opened on 1 May 2010 and closed on 30 September 2010. Other 96 bathing waters opened on 15 May and closed on 19 September, while 16 bathing waters opened on 14 April. The bathing season lasted from 1 May to 30 September 2010 for inland bathing waters, except for three bathing waters opened on 1 April and two bathing waters opened on 26 June and closed on 21 August.

A total of 5 492 bathing waters were reported in Italy during the 2010 bathing season, of which 4 896 were coastal (4 831) or transitional bathing waters (65) and 596 inland bathing waters (8 on rivers; 588 on lakes). The category of one bathing site has been changed from lake to transitional water.

With 5 492 bathing waters Italy accounts for about 26.1 % of the reported bathing waters of the European Union.

The evolution of the reported number of bathing waters since monitoring of the water quality began under the Directive 76/160/EEC and the Directive 2006/7/EC is presented in Table 1. The number of coastal bathing waters increased since the start of the reporting from 3 791 in 1990 to 4 929 in 2006 and 2007. It decreased afterwards to 4 896 in 2010. Similarly, the number of inland bathing waters increased from 614 in 1990 to 777 in 2007 and decreased afterwards to 596 in 2010. There were 25 less coastal and 174 less inland bathing waters in 2010 than in the previous year.

3. Bathing water quality

The results of the bathing water quality in Italy for the period 1990-2009 as reported in the past reporting years and for the bathing season of 2010 are presented in Figure 1. The previous reports are available on the European Commission's bathing water quality website (http://ec.europa.eu/environment/water/water-bathing/index_en.html; Water and Health/Bathing Water/2005-2010 reports) and the European Environment Agency's bathing water website (<http://www.eea.europa.eu/themes/water/status-and-monitoring/state-of-bathing-water>; reports for the 2008 and 2009 bathing seasons).

The graphs show, for coastal and inland bathing waters separately:

- The percentage of bathing waters that comply with the guide values (class CG, blue line);
- The percentage of bathing waters that comply with the mandatory values (class CI, green line);
- The percentage of bathing waters that do not comply with the mandatory values (class NC, red line);
- The percentage of bathing waters that are banned or closed (temporarily or throughout the season) (class B, grey line).

Table 1 shows the same information in absolute numbers and in percentages separately for coastal and inland bathing waters. The numbers and percentages of insufficiently sampled or not sampled bathing waters are also presented. Table 2 shows the bathing water quality results for the 2009 and 2010 seasons in Italy for all bathing waters.

Map 1 shows the locations of the reported bathing waters in Italy. The results applying the less strict rules are presented. In addition, insufficiently sampled bathing waters by the strict rules are presented as an orange outline. The location of the bathing waters is based on the geographic coordinates reported by the Italian authorities.

Coastal bathing waters

In Italy, 85.3 % of the coastal bathing waters met the mandatory water quality and 77.2 % of the coastal bathing waters met the more stringent guide values in 2010. This is a decrease of 6.9 % and 13.6 % respectively compared to the previous year. The number of non-compliant bathing waters with the mandatory values increased from 51 (1 %) to 57 bathing waters (1.2 %). Only 33 coastal bathing waters (0.7 %) were closed (banned) during the season compared to 310 (6.3 %) in 2009.

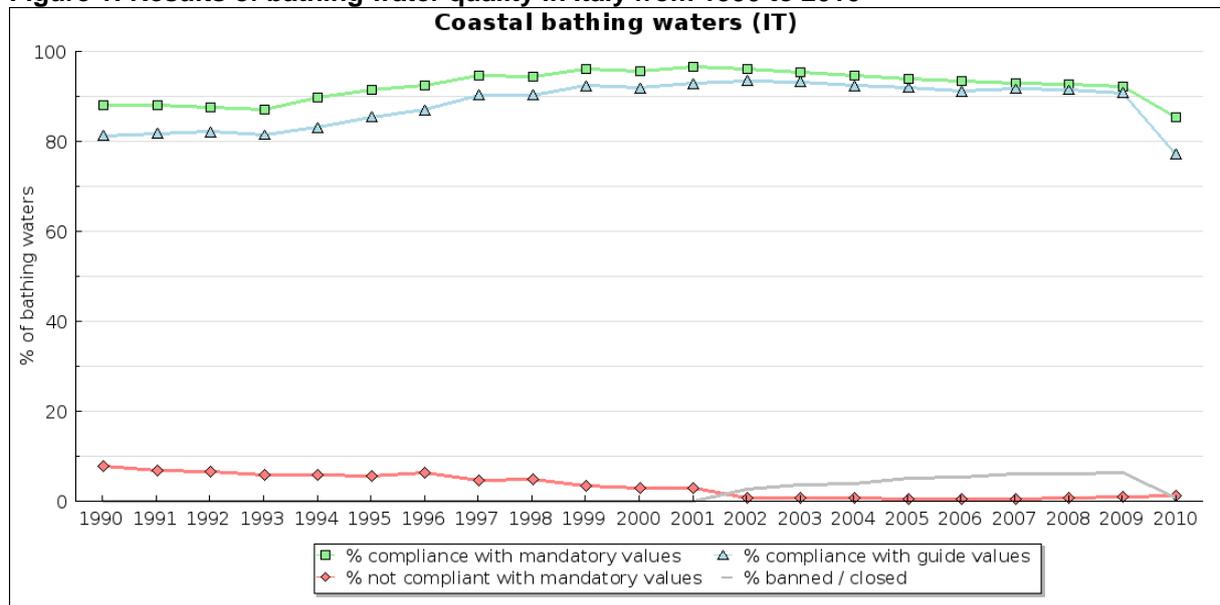
For the coastal bathing waters in Italy, both the compliance rate with the mandatory values and guide values increased from 1990 to 1999, and then stayed relatively stable above 90 %. Since 2005, the rates stayed approximately the same, but below the highest rates from 1999 to 2003. However, the compliance fell below 90 % in 2010, when 12.9 % of bathing waters were insufficiently sampled or not sampled. Since 2002, the number of bathing waters that were closed (banned) during the season increased from 125 (2.6 %) to 310 (6.3 %) in 2009, but it decreased to 33 (0.7 %) in 2010.

Inland bathing waters

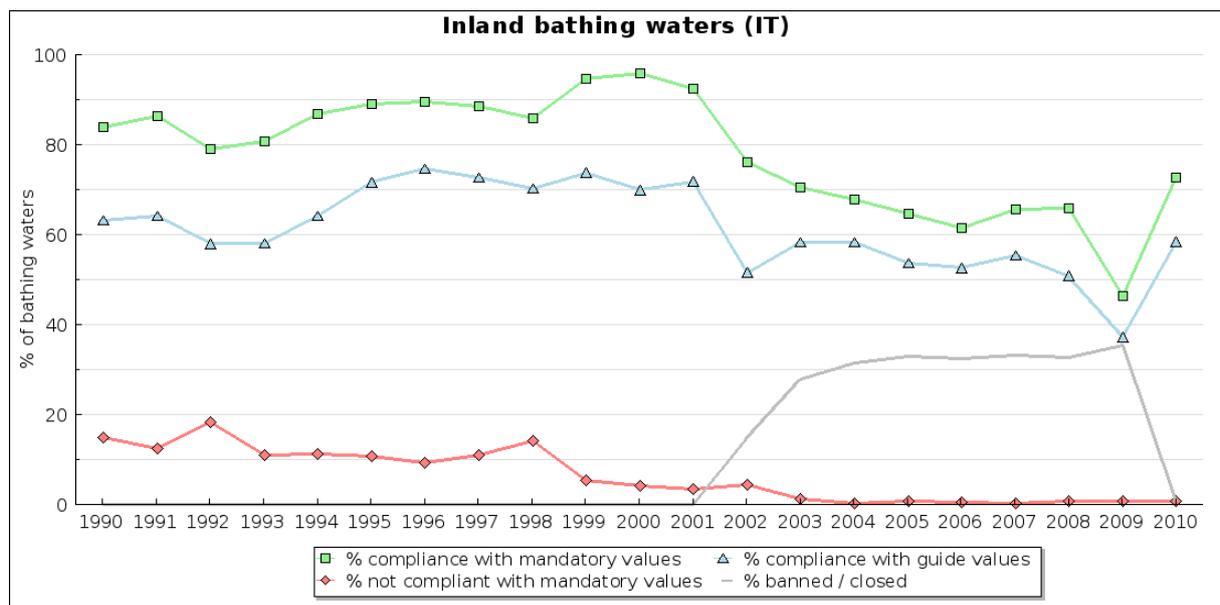
Some 72.7 % of the inland bathing waters met the mandatory water quality and 58.4 % of the inland bathing waters met the more stringent guide values in 2010. This is an increase of 26.3 % and 21.1 % respectively compared to the previous year. Four bathing waters (0.7 %) were not compliant with the mandatory value for *Escherichia coli* compared to five (0.6 %) in 2009. Only five inland bathing waters (0.8 %) were closed (banned) during the season compared to 273 (35.5 %) in 2009.

Overall, the compliance rate of the inland bathing waters with the mandatory values and guide values decreased since 1990. The rate of compliance with the mandatory values was the highest (more than 92 %) from 1999 to 2001. More than 70 % of the bathing waters met the guide values from 1995 to 2001. Since 2002, the compliance rate decreased due to the large percentage of closed (banned) bathing waters during the season. The number of closed inland bathing waters increased from 113 (14.8 %) in 2002 to 273 (35.5 %) in 2009, but it decreased to five (0.8 %) in 2010. In 2010, the number of insufficiently sampled or not sampled bathing waters increased to 154 (25.8 %) compared to 135 (17.5 %) in 2009.

Figure 1: Results of bathing water quality in Italy from 1990 to 2010



Note: For the year 2010 results applying the less strict rules are presented.



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Table 1: Results of bathing water quality in Italy from 1990 to 2010

IT												
		Total number of bathing waters	Compliance with guide and mandatory values**		Compliance with mandatory values		Not compliant		Banned/closed temporarily or throughout the season		Insufficiently sampled or not sampled	
			number	%	number	%	number	%	number	%	number	%
Coastal bathing waters	1990	3791	3083	81.3	3340	88.1	300	7.9	0	0.0	151	4.0
	1991	3823	3128	81.8	3367	88.1	257	6.7	0	0.0	199	5.2
	1992	4034	3311	82.1	3533	87.6	265	6.6	0	0.0	236	5.9
	1993	4286	3493	81.5	3729	87.0	246	5.7	0	0.0	311	7.3
	1994	4541	3775	83.1	4073	89.7	263	5.8	0	0.0	205	4.5
	1995	4592	3924	85.5	4200	91.5	257	5.6	0	0.0	135	2.9
	1996	4688	4077	87.0	4333	92.4	297	6.3	0	0.0	58	1.2
	1997	4836	4369	90.3	4576	94.6	225	4.7	0	0.0	35	0.7
	1998	4868	4396	90.3	4593	94.4	240	4.9	0	0.0	35	0.7
	1999	4811	4445	92.4	4623	96.1	169	3.5	0	0.0	19	0.4
	2000	4819	4427	91.9	4607	95.6	138	2.9	0	0.0	74	1.5
	2001	4824	4481	92.9	4662	96.6	145	3.0	0	0.0	17	0.4
	2002	4850	4534	93.5	4663	96.1	39	0.8	125	2.6	23	0.5
	2003	4853	4527	93.3	4630	95.4	30	0.6	173	3.6	20	0.4
	2004	4884	4510	92.3	4627	94.7	35	0.7	196	4.0	26	0.5
	2005	4918	4521	91.9	4616	93.9	24	0.5	256	5.2	22	0.4
	2006	4929	4491	91.1	4605	93.4	22	0.4	262	5.3	40	0.8
	2007	4929	4521	91.7	4580	92.9	18	0.4	300	6.1	31	0.6
	2008	4917	4496	91.4	4563	92.8	42	0.9	302	6.1	10	0.2
	2009	4921	4467	90.8	4536	92.2	51	1.0	310	6.3	24	0.5
2010*	4896	3779	77.2	4174	85.3	57	1.2	33	0.7	632	12.9	
2010	4896	1433	29.3	1608	32.8	40	0.8	33	0.7	3215	65.7	
Inland bathing waters	1990	614	388	63.2	515	83.9	92	15.0	0	0.0	7	1.1
	1991	614	394	64.2	530	86.3	76	12.4	0	0.0	8	1.3
	1992	621	360	58.0	491	79.1	114	18.4	0	0.0	16	2.6
	1993	667	387	58.0	538	80.7	73	10.9	0	0.0	56	8.4
	1994	681	437	64.2	592	86.9	77	11.3	0	0.0	12	1.8
	1995	695	498	71.7	618	88.9	74	10.6	0	0.0	3	0.4
	1996	697	520	74.6	624	89.5	65	9.3	0	0.0	8	1.1
	1997	740	538	72.7	655	88.5	81	10.9	0	0.0	4	0.5
	1998	737	518	70.3	632	85.8	104	14.1	0	0.0	1	0.1
	1999	724	534	73.8	686	94.8	38	5.2	0	0.0	0	0.0
	2000	711	497	69.9	681	95.8	30	4.2	0	0.0	0	0.0
	2001	726	521	71.8	671	92.4	24	3.3	0	0.0	31	4.3
	2002	762	393	51.6	580	76.1	34	4.5	113	14.8	35	4.6
	2003	775	452	58.3	547	70.6	10	1.3	215	27.7	3	0.4
	2004	779	454	58.3	529	67.9	2	0.3	245	31.5	3	0.4
	2005	766	411	53.7	496	64.8	5	0.7	252	32.9	13	1.7
	2006	776	408	52.6	477	61.5	3	0.4	251	32.3	45	5.8
	2007	777	430	55.3	510	65.6	2	0.3	258	33.2	7	0.9
	2008	767	390	50.8	505	65.8	5	0.7	251	32.7	6	0.8
	2009	770	287	37.3	357	46.4	5	0.6	273	35.5	135	17.5
2010*	596	348	58.4	433	72.7	4	0.7	5	0.8	154	25.8	
2010	596	240	40.3	311	52.2	2	0.3	5	0.8	278	46.6	

*Less strict rules applied (41 days taken as a maximum difference between two samples for reporting under Directive 2006/7/EC). **Bathing waters which were compliant with the guide values were also compliant with the mandatory values for five parameters under the Directive 76/160/EEC (1990-2009) or the mandatory value for *Escherichia coli* (2010).

Table 2: Results of bathing water quality for all bathing waters in Italy in 2009 and 2010

IT												
		Total number of bathing waters	Compliance with guide and mandatory values**		Compliance with mandatory values		Not compliant		Banned/closed temporarily or throughout the season		Insufficiently sampled or not sampled	
			number	%	number	%	number	%	number	%	number	%
All bathing waters	2009	5691	4754	83.5	4893	86.0	56	1.0	583	10.2	159	2.8
	2010*	5492	4127	75.1	4607	83.9	61	1.1	38	0.7	786	14.3
	2010	5492	1673	30.5	1919	34.9	42	0.8	38	0.7	3493	63.6

*Less strict rules applied (41 days taken as a maximum difference between two samples for reporting under Directive 2006/7/EC). **Bathing waters which were compliant with the guide values were also compliant with the mandatory values for five parameters under the Directive 76/160/EEC (2009) or the mandatory value for *Escherichia coli* (2010).

Map 1: Bathing waters reported during the 2010 bathing season in Italy



Bathing water quality			
Bathing waters on rivers	Bathing waters on lakes	Coastal/transitional bathing waters	Sampling interval not in full compliance with the Directive 2006/7/EC.
◆ Compliant with guide values	■ Compliant with guide values	● Compliant with guide values	◇ Sampling interval not in full compliance with the Directive 2006/7/EC.
◆ Compliant with mandatory values	■ Compliant with mandatory values	● Compliant with mandatory values	○ No data
◆ Closed*	■ Closed*	● Closed*	■ Outside data coverage (data available, not presented on the map)
◆ Insufficiently sampled or not sampled	■ Insufficiently sampled or not sampled	● Insufficiently sampled or not sampled	
◆ Not compliant with mandatory values	■ Not compliant with mandatory values	● Not compliant with mandatory values	

Note: * banned or closed (temporarily or throughout the season)
 More data on bathing water quality on: <http://www.eea.europa.eu/themes/water/mapviewers/bathing>
Source: National boundaries: GISCO and EEA, Large rivers and lakes: EEA, WFD Article 3, Bathing water data and coordinates: Italian authorities

4. Important information as provided by the Italian authorities

In April 2011, the Italian authorities have sent reasons for de-listing of 126 bathing waters. They are given in Table 3.

Table 3: Reasons for de-listing of 126 bathing waters in Italy.

Bathing water identification code	Bathing water name	Reasons for change as received from the Italian authorities
IT001001050001	ZONA CANOTTIERI CHALET	Management measure to prevent, reduce or eliminate the contamination was implemented. Year of suspension 2003.
IT001001050002	ZONA LIDO	Management measure to prevent, reduce or eliminate the contamination was implemented. Year of suspension 2003.
IT001001050003	ZONA BARCACCIA	Management measure to prevent, reduce or eliminate the contamination was implemented. Year of suspension 2003.
IT001103008001	LIDO TOCE	In April 2011 the Italian authority has informed ETC/ICM that an error has occurred in a region communication to the Italian Ministry of Health. The location has been treated as delisted, when it is normally operating. <i>(Remark by ETC/ICM: In this report, the location is not included in the assessment. It will be included in the next year assessment).</i>
IT001103064008	SPIAGGIA GIGI BAR	The monitoring station has been delisted in 2008 due to a construction of a quay.
IT006030103001	FIUME NATISONE - MULINO GUBANA	This station is delisted from 2005 for pollution: the area is no longer suitable for bathing activities.
IT006030103002	FIUME NATISONE - MULINO VECCHIO	This station is delisted from 2005 for pollution: the area is no longer suitable for bathing activities.
IT008039007006	CERVIA-BAGNO CASADEI	the sampling point location is made under Directive 2006/7/EC as described in article 3 paragraph 3 :The monitoring point shall be the location within the bathing water where: (a) most bathers are expected; or (b) the greatest risk of pollution is expected, according to the bathing water profile. The previous Italian decree on bathing water set out the maximum distance between two sampling point of 2 kilometres. The monitoring has been revised in order to improve at best monitoring network and, in the meantime, in order to avoid superfluous samplings. Since some monitoring point have been moved (according to new Directive) this has been deleted.
IT008039007007	CERVIA-PINARELLA BAGNO ORSI	the sampling point location is made under Directive 2006/7/EC as described in article 3 paragraph 3 :The monitoring point shall be the location within the bathing water where: (a) most bathers are expected; or (b) the greatest risk of pollution is expected, according to the bathing water profile. The previous Italian decree on bathing water set out the maximum distance between two sampling point of 2 kilometres. The monitoring has been revised in order to improve at best monitoring network and, in the meantime, in order to avoid superfluous samplings. Since some monitoring point have been moved (according to new Directive) this has been deleted.
IT008039014021	PORTO CORSINI-BAGNO MARA	the sampling point location is made under Directive 2006/7/EC as described in article 3 paragraph 3 :The monitoring point shall be the location within the bathing water where: (a) most bathers are expected; or (b) the greatest risk of pollution is expected, according to the bathing water profile. The previous Italian decree on bathing water set out the maximum distance between two sampling point of 2 kilometres. The monitoring has been revised in order to improve at best monitoring network and, in the meantime, in order to avoid superfluous samplings. Since some monitoring point have been moved (according to new Directive) this has been deleted.
IT008039014022	MARINA DI RAVENNA-BAGNO PARK HOTEL	the sampling point location is made under Directive 2006/7/EC as described in article 3 paragraph 3 :The monitoring point shall be the location within the bathing water where: (a) most bathers are expected; or (b) the greatest risk of pollution is expected, according to the bathing water profile. The previous Italian decree on bathing water set out the maximum distance between two sampling point of 2 kilometres. The monitoring has been revised in order to improve at best monitoring network and, in the meantime, in order to avoid superfluous samplings. Since some monitoring point have been moved (according to new

Bathing water identification code	Bathing water name	Reasons for change as received from the Italian authorities
		Directive) this has been deleted.
IT008039014023	PUNTA MARINA - CANALE MOLINO	the sampling point location is made under Directive 2006/7/EC as described in article 3 paragraph 3 :The monitoring point shall be the location within the bathing water where: (a) most bathers are expected; or (b) the greatest risk of pollution is expected, according to the bathing water profile. The previous Italian decree on bathing water set out the maximum distance between two sampling point of 2 kilometres. The monitoring has been revised in order to improve at best monitoring network and, in the meantime, in order to avoid superfluous samplings. Since some monitoring point have been moved (according to new Directive) this has been deleted.
IT008039014024	PUNTA MARINA TERME BAGNO MARE BLU'	the sampling point location is made under Directive 2006/7/EC as described in article 3 paragraph 3 :The monitoring point shall be the location within the bathing water where: (a) most bathers are expected; or (b) the greatest risk of pollution is expected, according to the bathing water profile. The previous Italian decree on bathing water set out the maximum distance between two sampling point of 2 kilometres. The monitoring has been revised in order to improve at best monitoring network and, in the meantime, in order to avoid superfluous samplings. Since some monitoring point have been moved (according to new Directive) this has been deleted.
IT008039014025	BASSONA SFIORATORE FOCE TORRENTE BEVANO	the sampling point location is made under Directive 2006/7/EC as described in article 3 paragraph 3 :The monitoring point shall be the location within the bathing water where: (a) most bathers are expected; or (b) the greatest risk of pollution is expected, according to the bathing water profile. The previous Italian decree on bathing water set out the maximum distance between two sampling point of 2 kilometres. The monitoring has been revised in order to improve at best monitoring network and, in the meantime, in order to avoid superfluous samplings. Since some monitoring point have been moved (according to new Directive) this has been deleted.
IT008099002006	FOCE TORRENTE CONCA 50 MT S.	the sampling point location is made under Directive 2006/7/EC as described in article 3 paragraph 3 :The monitoring point shall be the location within the bathing water where: (a) most bathers are expected; or (b) the greatest risk of pollution is expected, according to the bathing water profile. The previous Italian decree on bathing water set out the maximum distance between two sampling point of 2 kilometres. The monitoring has been revised in order to improve at best monitoring network and, in the meantime, in order to avoid superfluous samplings. Since some monitoring point have been moved (according to new Directive) this has been deleted.
IT008099014027	RIMINI - PORTO CANALE 100 MT N	The monitoring station has been deleted in 2008 for the construction of a dock.
IT010055032007	AZIENDA SOGGIORNO	not monitored from 2009
IT010055032008	CENTRO REMIERO EST	not monitored from 2009
IT012056035013	FIUME FIORA	This sampling point, under Directive 76/160/EEC, was included into a permanently closed area. The station had merely the purpose to control the area. The point was delisted in 2010 when the area was defined as not suitable for bathing activities after the not satisfying results of the management measure taken to improve the quality of the water.
IT012056050019	FOCE FIUME MARTA	This sampling point, under Directive 76/160/EEC, was included into a permanently closed area. The station had merely the purpose to control the area. The point was delisted in 2010 when the area was defined as not suitable for bathing activities after the not satisfying results of the management measure taken to improve the quality of the water.
IT012059008013	100 MT SX RIO SANTACROCE	This is the double of a record generated for error. Bathing Season 2010 was the very first year of the new informative system management and this record was copied for an input error
IT012059008014	100 MT SX RIO SANTA CROCE	This sampling point, under Directive 76/160/EEC, was included into a permanently closed area. The station had merely the purpose to control the area. The point was delisted in 2010 when the area was defined as

Bathing water identification code	Bathing water name	Reasons for change as received from the Italian authorities
		not suitable for bathing activities after the not satisfying results of the management measure taken to improve the quality of the water.
IT012059008015	FOCE FOSSO TUORO	For this monitoring station, delisted by 2010 the local authorities will undertake management measure to improve the quality of the water.
IT012059008016	FOCE RIO SANTACROCE	This sampling point, under Directive 76/160/EEC, was included into a permanently closed area. The station had merely the purpose to control the area. The point was delisted in 2010 when the area was defined as not suitable for bathing activities after the not satisfying results of the management measure taken to improve the quality of the water.
IT012059009011	LUNGOMARE CABOTO	This is a merely control sampling point used from the local authorities to control the quality of the water. Under directive 76/160/EEC was included into a permanently closed area.
IT012059011016	FOCE ACQUE ALTE	For this monitoring station, delisted by 2010 the local authorities will undertake management measure to improve the quality of the water.
IT012059014010	FOCE RIO CAPO D'ACQUA	This is a merely control sampling point used from the local authorities to control the quality of the water near a little port. Under Directive 76/160/EEC was included into a permanently closed area for reason different from pollution.
IT012059014011	FOCE GARIGLIANO	For this monitoring station, delisted by 2010 the local authorities will undertake management measure to improve the quality of the water.
IT012059032015	SPIAGGETTA ANTISTANTE AGOSTINO A MARE	This sampling point, under Directive 76/160/EEC, was included into a permanently closed area. The station had merely the purpose to control the area. The point was delisted in 2010 when the area was defined as not suitable for bathing activities after the not satisfying results of the management measure taken to improve the quality of the water.
IT012059032016	FOCE PORTATORE - PORTO BADINO -	This sampling point, under Directive 76/160/EEC, was included into a permanently closed area from 2002. The station had merely the purpose to control the area. The point was delisted in 2010 when the area was defined as not suitable for bathing activities after the not satisfying results of the management measure taken to improve the quality of the water.
IT012059032017	FOCE CANALE NAVIGAZIONE	This sampling point, under Directive 76/160/EEC, was included into a permanently closed area. The station had merely the purpose to control the area. The point was delisted in 2010 when the area was defined as not suitable for bathing activities after the not satisfying results of the management measure taken to improve the quality of the water.
IT012059032018	DEPURATORE TERRACINA - TOR.GREGORIANA -	This is a merely control sampling point used from the local authorities to control the quality of the water near a water purifier. Under Directive 76/160/EEC was included into a permanently closed area for reason different from pollution.
IT016071029027	FOCE FIUME CANDELARO 300 MT SN	This is a merely control sampling point used from the local authorities to control the quality of the water in a canal outlet
IT016071029028	LIDO ACQUA DI CRISTO	delisted because the sampling point is situated in a portal area
IT016071029029	SCARICO FARO 30 MT SN	delisted because the sampling point is situated in a portal area
IT016071029030	SCARICO FARO 30 MT DX	delisted because the sampling point is situated in a portal area
IT016071029031	FANALE VERDE PORTO DI MANFREDONIA	delisted because the sampling point is situated in a portal area
IT016071029032	FANALE ROSSO PORTO DI MANFREDONIA	delisted because the sampling point is situated in a portal area
IT016071031019	1 CANALE CAMPING DEI FIORI 30 MT SN	delisted because there are other sampling points already controlling the same area
IT016071038012	SC. FOGNA ABITATO - PESCHICI 300 MT DX	delisted because there are other sampling points already controlling the same area
IT016071038013	PORTO HOTEL ELISA	delisted because the sampling point is situated in a portal area
IT016071043011	FOCE CANALE ASCIATIZZA 100 MT	This is a merely control sampling point used from the local authorities to control the quality of the water in a canal outlet

Bathing water identification code	Bathing water name	Reasons for change as received from the Italian authorities
	SN	
IT016071043012	FOCE CANALE ASCIATIZZA 100 MT DX	This is a merely control sampling point used from the local authorities to control the quality of the water in a canal outlet
IT016071060047	SCARICO FOGNA VIESTE 200 MT SN	This is a merely control sampling point used from the local authorities to control the quality of the portal area
IT016071060048	SCARICO FOGNA VIESTE 200 MT DX	This is a merely control sampling point used from the local authorities to control the quality of the portal area
IT016071060049	VILLAGGIO GATTARELLA CAN. CARUSO	delisted because there are other sampling points already controlling the same area
IT016071060050	PORTO DI VIESTE 100 MT SN	delisted because the sampling point is situated in a portal area
IT016071060051	PORTO DI VIESTE 100 MT DX	delisted because the sampling point is situated in a portal area
IT016071060052	CANALE VALESANO 30 MT SN	delisted because there are other sampling points already controlling the same area
IT016071060053	CANALE VALESANO 30 MT DX	delisted because there are other sampling points already controlling the same area
IT016071060054	HOTEL GARGANO CAN.PORTONUOVO 30 MT SN	delisted because there are other sampling points already controlling the same area
IT016071060055	VILLAG. GATTARELLA CAN. CARUSO 30 MT DX	delisted because there are other sampling points already controlling the same area
IT016071060056	2 CANALE - 30 M. SX DELLA FOCE	delisted because there are other sampling points already controlling the same area
IT016071060057	2 CANALE - 30 M. DX DELLA FOCE	delisted because there are other sampling points already controlling the same area
IT016071060058	5 CANALE - 30 M. SX DELLA FOCE	delisted because there are other sampling points already controlling the same area
IT016071060059	5 CANALE - 30 M. DX DELLA FOCE	delisted because there are other sampling points already controlling the same area
IT016071060060	500 M. DX SCARICO COMPLESSO PUGNOCHIUSO	delisted because there are other sampling points already controlling the same area
IT016071060061	500 M. DX SCARIC COMPLESSO PUGNOCHIUSO	delisted because there are other sampling points already controlling the same area
IT016071060062	1 CANALE - 30 M. A DX DELLA FOCE	delisted because there are other sampling points already controlling the same area
IT016071060063	3 CANALE - 30 M. DX DELLA FOCE	delisted because there are other sampling points already controlling the same area
IT016071060064	4 CANALE - 30 M. SX DELLA FOCE	delisted because there are other sampling points already controlling the same area
IT016071060065	4 CANALE - 30 M. DX DELLA FOCE	delisted because there are other sampling points already controlling the same area
IT016071060066	5 BIS CANALE - 30 M. SX DELLA FOCE	delisted because there are other sampling points already controlling the same area
IT016071060067	5BIS CANALE - 30 M. DX DELLA FOCE	delisted because there are other sampling points already controlling the same area
IT016071060068	6 CANALE - 30 M. SX DELLA FOCE	delisted because there are other sampling points already controlling the same area
IT016071060069	6 CANALE - 30 M. DX DELLA FOCE	delisted because there are other sampling points already controlling the same area
IT016071060070	CANALE CARUSO - 30 M. SX DELLA FOCE	delisted because there are other sampling points already controlling the same area
IT016071060071	CANALE CARUSO - 30 M. DX DELLA FOCE	delisted because there are other sampling points already controlling the same area

Bathing water identification code	Bathing water name	Reasons for change as received from the Italian authorities
IT016071060072	CANALE FORTUNOSO - 30 M. SX DELLA FOCE	delisted because there are other sampling points already controlling the same area
IT016071060073	CANALE FORTUNOSO - 30 M. DX DELLA FOCE	delisted because there are other sampling points already controlling the same area
IT016072006027	BASILICA S NICOLA	delisted because the sampling point is situated in a port area
IT016072006028	PONTILE IV REGIONE AEREA	delisted because the sampling point is situated in a port area
IT016072006029	DI FRONTE AMMIN. PROV.LE	delisted because the sampling point is situated in a port area
IT016072006030	DI FRONTE CC.	delisted because the sampling point is situated in a port area
IT016072006031	CANALONE SUD - CANALONE VALENZANO	This is a merely control sampling point used from the local authorities to control the quality of the water in a canal outlet
IT016072006032	CALA CAMPING SAN GIORGIO	delisted because the sampling point is situated in a port area
IT016072022011	SCOGLIERA (DI PORTO DI GIOVINAZZO)	delisted because there are other sampling points already controlling the same area
IT016072022012	SC. FOGNA BIANCA - LOC. CAPPELLA	delisted because the sampling point is situated in a port area
IT016072028012	FOGNA CIT.NA MOLA 500 MT NORD	This is a merely control sampling point used from the local authorities to control the quality of the port area
IT016072029009	SC. EMERGENZA COMPARTIMENTO MARITTIMO	delisted because there are other sampling points already controlling the same area
IT016072029010	COLLETTORE SBOCCO FOGNANTE	delisted because there are other sampling points already controlling the same area
IT016072029011	IMPIANTO SOLLEVAMENTO RETE FOGNARIA	This is a merely control sampling point used from the local authorities to control the quality of the port area
IT016072029012	CONTRADA SECCA DEI PALI	delisted because the sampling point is situated in a port area
IT016072029013	LUNG.RE MARCANTONIO COL.ANG. MUNICIPIO	delisted because the sampling point is situated in a port area
IT016072029014	ACQUE PLUVIALI VIA MAZZINI	delisted because the sampling point is situated in a port area
IT016072029015	ACQUE PLUVIALI VIA ORSINI	delisted because the sampling point is situated in a port area
IT016073027016	FOCE FIUME TARA	This is a merely control sampling point used from the local authorities to control the quality of the water in a canal outlet
IT016074001026	IAZZO S. GIOVANNI PRIMA DI TORRE GUACETO	This is a merely control sampling point used from the local authorities to control the quality of the water of the Marine Protected Area
IT016074001027	T. GUACETO - CANALE REALE 250 MT. NORD	This is a merely control sampling point used from the local authorities to control the quality of the water of the Marine Protected Area
IT016074001028	GIANCOLA - CANALE GIANCOLA	This is a merely control sampling point used from the local authorities to control the quality of the water in a canal outlet
IT016074001029	P.CONTESSA - CANALE FOGGIA DI RAU	This is a merely control sampling point used from the local authorities to control the quality of the water in a canal outlet
IT016074002016	TORRE GUACETO SPIAGGIA LIBERA A DESTRA	This is a merely control sampling point used from the local authorities to control the quality of the water of the Marine Protected Area
IT016074002017	T. GUACETO - EMISSARIO PALUDE	This is a merely control sampling point used from the local authorities to control the quality of the water of the Marine Protected Area
IT016074016002	CERANO CANALE	This is a merely control sampling point used from the local authorities to

Bathing water identification code	Bathing water name	Reasons for change as received from the Italian authorities
	DELLA FOGGIA	control the quality of the water in a canal outlet
IT016075031013	DARSEN SCOGLIERA AZZURRA	This is a merely control sampling point used from the local authorities to control the quality of the port area
IT016075052010	700 MT NORD TORRE INSERRAGLIO	This is a merely control sampling point used from the local authorities to control the quality of the water of the Marine Protected Area
IT016075052011	PALUDE DEL CAPITANO	This is a merely control sampling point used from the local authorities to control the quality of the water in a canal outlet
IT016075052012	IN CORRISPONDENZA SCAR: NARDO'	This is a merely control sampling point used from the local authorities to control the quality of the water of a drainage
IT016075057024	VICINO CANALE IDRO	delisted because the sampling point is situated in a port area
IT016075088004	INGRESSO DEL CANALE DEL RIO	This is a merely control sampling point used from the local authorities to control the quality of the water in a canal outlet
IT016075088005	PORTO TRICASE- INGRESSO DEL PORTO	delisted because the sampling point is situated in a port area
IT016075090007	TORRE SAN GIOVANNI	This is a merely control sampling point used from the local authorities to control the quality of the water in a canal outlet
IT016110002013	FOCE OFANTO	This is a merely control sampling point used from the local authorities to control the quality of the water in a canal outlet
IT016110002014	SC.FOGNA MISTA ESTR.TA' MOLO PONENTE	delisted because the sampling point is situated in a port area
IT016110002015	FALCE VIAGGIO CORSO ACQUA N. 2	This is a merely control sampling point used from the local authorities to control the quality of the water in a canal outlet
IT016110002016	FOSSO FONDOLA CORSO ACQUA N. 3	This is a merely control sampling point used from the local authorities to control the quality of the water in a canal outlet
IT016110003010	SCARICO FOGNA - MOLO ESTERNO	delisted because the sampling point is situated in a port area
IT016110005016	PORTO CANALE FANALE VERDE	delisted because the sampling point is situated in a port area
IT016110005017	PORTO CANALE FANALE ROSSO	delisted because the sampling point is situated in a port area
IT016110005018	FOGNA SOTTOMARINA M. DI SAVOIA 50 MT SN	delisted because there are other sampling points already controlling the same area
IT016110005019	FOGNA SOTTOMARINA M. DI SAVOIA 50 MT DX	delisted because there are other sampling points already controlling the same area
IT016110005020	300 MT. SX DEL FIUME OFANTO	delisted because there are other sampling points already controlling the same area
IT016110009011	ACQUE PLUVIALI P. 31	delisted because there are other sampling points already controlling the same area
IT016110009012	500 MT SUD FOGNA CIT.NA TRANI MOLO	This is a merely control sampling point used from the local authorities to control the quality of the port area
IT016110009013	DITTA TORELLI P. 32	This is a merely control sampling point used from the local authorities to control the quality of the water of a drainage
IT016110009014	DITTA CURCI - DE SIMONE P. 33	This is a merely control sampling point used from the local authorities to control the quality of the water of a drainage
IT019082020003	100 MT OVEST P.D.P. 27	Sampling point removed for the new delimitations of the bathing water area
IT019082073008	600 M W PESCATORE	Sampling point removed for the new delimitations of the bathing water area
IT019083048005	TORRENTE S.FILIPPO	This sampling point, under Directive 76/160/EEC , was included into a permanently closed area that is considered not longer suitable for bathing activities.
IT019083108004	TORRENTE ZAPPULLA 250 M W	This sampling point, under Directive 76/160/EEC , was included into a permanently closed area that is considered not longer suitable for bathing activities.

Bathing water identification code	Bathing water name	Reasons for change as received from the Italian authorities
IT019083108005	100 MT. OVEST CONDOTTA DEP. CAPRI LEONE	This sampling point, under Directive 76/160/EEC , was included into a permanently closed area that is considered not longer suitable for bathing activities.
IT019084021009	GIUMMARELLA SUD	Sampling point delisted for the impossibility for the bather to access the shore. In the area there is no way to reach the sea.
IT019089013014	FOCE FIUME TELLARO	sampling point delisted for the impossibility for the bather to access the shore. In the area there is no way to reach the sea.
IT020090058005	CAPPELLA BALAI II	closed for removal of beach/seaside by wave action and wave currents, as to say due to coastal erosion: no more suitable for bathing activities.
IT020090069004	MARITZA	closed for removal of beach/seaside by wave action and wave currents, as to say due to coastal erosion: no more suitable for bathing activities.
IT020092084004	HOTEL ROCCE ROSSE	closed for removal of beach/seaside by wave action and wave currents, as to say due to coastal erosion: no more suitable for bathing activities.

The Italian authorities reported 43 events of short term pollution at 38 bathing waters. Replaced sample was taken in 19 cases. In addition, 19 abnormal situations were reported at 17 bathing waters.

Information for the public

Local and National authorities every year before the start of the bathing season, held a press conference with the aim to inform the public of the situation of bathing water of Italy and of the single Regions. Furthermore, the Ministry of Health has a web site <http://www.ministerosalute.it/balneazione/balneazione.jsp> through which the citizen have access to all the information concerning bathing water and the process of implementation of the Legislative Decree of the Directive 2006/7/EC. In a peculiar way users can look over the areas where bathing is prohibited, download the annual report on bathing water monitoring and view the cartography.

In order to make information to the public more effective, Italy is going to publish a national web portal on water at www.portaleacque.it. This web site with a simple access can be easily consulted from the public. It provides updated information and is able to incorporate user's feedback. The citizens will be allowed to advance observations, proposals and claims in compliance with Article 11 of the Directive 2006/7/EC. The web portal was made in order to comply with the requirements of Article 12 paragraph 2 the Directive 2006/7/EC on public information and provide a real time and detailed information for each single bathing water area that can be view on Google Maps.

Local authorities, that have the duty to prepare, review, and update the Inventory of bathing water according to Article 3 paragraph 1 of the Directive 2006/7/EC, have pursuit public participation by implementing and increasing the actions for the definition, delimitation and assessment of the bathing water monitored stations and of the coastal stretches of the station. This work is made annually with the Commune and the technical territorial structure for environment and health, and results in an official document for the classification of the bathing water.

This act is eventually transmitted with the aim to advertise and spread to the entire Commune concerned and the public central authorities concerned the information.

Furthermore, the web site of the each Regions have guided access to Web-GIS systems in which is possible to find bathing water stations together with geo-referred information and quality assessments according to the Legislative Decree 155/99. To be updated soon according to the Legislative Decree 152/06 of implementation of the Directive 2000/60/EC.

Wastewater treatment

In compliance with Italian Legislation (Legislative Decree No. 152/2006) and the Water Framework Directive (2000/60/EC), water protection is carried out at the river basin level. The measures for the improvement of bathing waters are not limited to the coastal zone, but also include reduction of the pollution load from catchments area. With the emanation of the Decree 152/2006, several new sensitive areas have been designated for particular measures to prevent pollution with reference to

waste water treatment and to nutrients decrement. With particular reference to bathing waters, the Northern Adriatic coast is one of these new areas.

To optimise the improvement measures since 2002 the Italian Ministry of the Environment established an agreement, under the framework programme on the water protection with all the Italian Regions. These measures include wastewater treatment systems and other actions. The agreement provided for over 17 billion Euros to be invested in wastewater treatment systems. At present there are about 3 200 interventions, 65 % have been completed or have to be tested.

Control of diffuse pollution sources

Concerning this issue, with reference to agriculture, all the Italian Regions that designated vulnerable zones on their territories, have implemented action programmes pursuant to Article 5 of the Directive 91/676/EEC also able to tackle particular local situations. Besides, the Italian legislation, through the Ministerial Decree 7th April 2006, lays down provisions also for non designated zones which are often as strict as those included in the regional action programmes, enabling a water protection from diffuse sources on whole national territory.

5. More information on bathing water quality in Europe

Of the more than 21 000 bathing areas monitored throughout the European Union in 2010, two-thirds were in coastal waters and the rest in rivers and lakes. The largest number of coastal bathing waters can be found in Italy, Greece, France, Spain and Denmark, while Germany and France have the highest number of inland bathing waters.

During recent years, including the 2010 bathing season, majority of Member States have adjusted their monitoring programmes to meet the requirements of the new bathing water directive (2006/7/EC). Luxembourg was the first country to report under this Directive in 2007. Cyprus, Denmark, Estonia, Finland, Germany, Hungary, Latvia, Lithuania, Slovakia, Spain and Sweden started to report under the new directive in 2008. Malta and the Netherlands started to report in 2009, while Austria, Belgium - Walloon Region, France, Greece, Italy, Portugal and Slovenia reported under this Directive for the first time in 2010. Historical data of two microbiological parameters, *Escherichia coli* and intestinal enterococci were sent by Sweden (since 2005), Luxembourg and Malta (since 2006), Belgium - Walloon Region, Greece, Hungary and Portugal (since 2007), and France (since 2009). To conclude, 20 Member States and the Walloon Region of Belgium monitored and reported under the new directive (Directive 2006/7/EC) in 2010.

Assessment of the status of all bathing waters in 2010 under the rules of the new directive (Directive 2006/7/EC) is made for Luxembourg, Malta and Hungary. Assessment of the bathing water quality on a country level for the other countries that reported under the new directive has been done using transition rules. Bathing water quality for individual bathing waters having four year set of data can be seen on the interactive maps and data viewer that are described below.

Three non-EU countries, Croatia, Montenegro and Switzerland have reported monitoring results under the new directive. Switzerland sent data on *Escherichia coli* for all bathing waters but only for some data on intestinal enterococci.

Overall in 2010, 92.1 % of Europe's coastal bathing waters and 90.2 % of inland bathing waters met the minimum water quality standards set by the bathing water directives. During recent years there has been deterioration in bathing water quality but still more than nine in ten bathing waters meet the minimum quality standards. The share of non compliant bathing waters was 1.2 % for coastal bathing waters and 2.8 % for inland bathing waters. The decrease reflects in part year to year variation but also indicates that further work is necessary to ensure that the quality of bathing waters is constantly improved and maintained.

More information on bathing water quality in the European Member States, including the EU summary report, the reports for 27 Member States, Croatia, Montenegro and Switzerland, can be found on the European Commission's bathing water quality website (http://ec.europa.eu/environment/water/water-bathing/index_en.html) and the European Environment Agency's bathing water website (<http://www.eea.europa.eu/themes/water/status-and-monitoring/state-of-bathing-water>). The Institute

for Water of the Republic of Slovenia (IWRS), a partner in the EEA European Topic Centre on Inland, Coastal and Marine Waters (ETC/ICM) has produced the reports for the bathing seasons from the 2008 bathing season on. Countries have collaborated in the assessment of bathing water quality and supplied additional information when needed.

Interactive information on bathing water quality

The bathing water section of the Water Information System for Europe (WISE), which is accessible at the EEA bathing water website, allows users to view the quality of the bathing water at more than 22 000 coastal beaches and inland bathing sites across Europe. Users can check bathing water quality on an interactive map or can download data for a selected country or region and make comparisons with previous years.

The WISE map viewer (<http://www.eea.europa.eu/themes/water/interactive/bathing>) is an online map viewer for visualisation of European spatial water data. It includes a lot of interactive layers, allowing water themes to be visualised at different scales. Broad resolutions display the aggregated data by Member State. At finer resolutions the locations of monitoring stations are displayed.

The WISE Bathing Water Quality data viewer (<http://www.eea.europa.eu/themes/water/status-and-monitoring/bathing-water-data-viewer>) combines text and graphical visualisation, providing a quick check on locations and statistics on the quality of coastal and freshwater bathing waters. It also documents how bathing waters have changed throughout Europe in recent years and provides a full summary of Europe's bathing water quality. Users can search information at three spatial levels - country, region and province - and observe specific bathing water locations on the Google Earth, Google maps or Bing maps.

The Eye On Earth - Water Watch application (<http://www.eea.europa.eu/data-and-maps/explore-interactive-maps/eye-on-earth>) allows users to zoom in on a given section of the coast, riverbank or lake, both in street map or, where available, bird's eye viewing formats. A 'traffic-light' indicator (red, amber, green) of bathing water quality, based on the official bathing water data, is put alongside the ratings of people who have visited the bathing site, including any comments users wish to make. For historical data Water Watch uses a simplified index of bathing water quality data. The Czech Republic, Estonia, Finland (one municipality), Hungary, Lithuania, Luxembourg, Malta, the Netherlands, Norway (one municipality), Slovenia, Slovakia and England and Wales were also sending near real time information on bathing water quality to the Eye On Earth application. The bathing water quality from Austria, Belgium, Bulgaria, Croatia, Denmark, France, Germany, Ireland, Italy, Poland, Portugal, Spain, Sweden and Scotland and Northern Ireland was also presented on Eye on Earth Water Watch.

National and local information on bathing water quality

In order to make information to the public more effective, all EU countries have national or local web portals with detailed information for each bathing water. Websites generally include a map search function and public access to the monitoring results both in real time and for previous seasons.

Information on EU bathing water legislation

EU Member States will have to comply with the stricter and more ambitious requirements laid out in Directive 2006/7/EC by 2015 at the latest. The new legislation requires more effective monitoring and management of bathing waters, greater public participation and improved information dissemination. By March 2011 Member States have to have established bathing water profiles. More on the new legislation can be found on the European Commission's websites and on <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:064:0037:0051:EN:PDF>.