

Specific contract No 07.0307/2012/638595/D2  
implementing Framework Service Contract ENV.D.2/FRA/2012/0013

# **URBAN WASTE WATER TREATMENT DIRECTIVE**

## **TOWARD A NEW INFORMATION SYSTEM**

### **SIIF**

**(Structured Implementation and Information Framework)**

### **Current situation of information management**

## **Annex A**

Final version

10 January 2014

# Annex A: Assessment of online information available on national webpages of EU-27 MS

MS	Level of information	Thematic content															Web-site structure/ user friendliness	Underlying information system	Other remarks		
	Are the following information levels available: - informed public - experts on UWW technologies - EC (compliance assessment)	Available parameters/ information	Aggregated information or for each agglomeration (national, regional, local)	Reference year	Does it seem to be frequently up-dated?	Historical data available	Information on non-compliance available	If non-compliance, are remedial actions presented	Is part / all of the information requested in the reporting formats under the UWWTD available in the web site?		Links to other water related information available ?	Information on UWWTD directive and its application within the MS available ?	UWWTD-related information available							a) reports, summary ....information b) Tables c) Graphics d) Maps e) Help page f) Helpdesk g) Download possibilities: ..tables, GIS-files, with ..metadata h) information available in ..national or also another ..language	a) Paper-based b) Web-based c) Geo-referenced information available d) Is the website directly connected to the information or displaying a static content (ex : latest reporting) e) Link from the website to the underlying IS
													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
AT	- interested public yes with key thematic language elements to help them understand, key schemes and explanations, figures and indicators, links to national legislation neither interactive nor static map - wastewater experts yes with link to legal text and expert reports - COM (compliance assessment) Yes with access to the national report	The web-site of the <b>Ministry of Life</b> ( <a href="http://www.lebensministerium.at/wasser/wasserqualitaet/abwasserreinigung/allgemeines.html">http://www.lebensministerium.at/wasser/wasserqualitaet/abwasserreinigung/allgemeines.html</a> ) provides general information as regards waste water treatment, the implementation of the UWWTD in Austria, some summary figures on IE, % of population connected, km network, sludge dry substance, removal rates of Ntot and Ptot. In addition, links to the Art. 16-report (reference date 2010) are given. This report gives the IDs, names, organic design capacity, treatment type and connected agglomeration for all UWWTPs, which serve agglomerations with a size of 2000 p.e. or more. The basis for Art. 15 - and Art. 16- reports is a national database, which is not publically available. On the web-site there is also a link to the 6th UWWTD Implementation report. In addition to the national database, the 9 Bundesländer of Austria publish very detailed information as regards their waste water treatment plants on their regional web-sites (e.g. Vorarlberg: <a href="http://www.vorarlberg.at/vorarlberg/wasser_energie/wasser/wasservirtschaft/weitereinformationen/abwasserentsorgung/arjahresberichte/abwasserreinigungsanlagen.htm">http://www.vorarlberg.at/vorarlberg/wasser_energie/wasser/wasservirtschaft/weitereinformationen/abwasserentsorgung/arjahresberichte/abwasserreinigungsanlagen.htm</a> , Oberösterreich: <a href="http://www2.land-oberoesterreich.gv.at/internetpub/Start.jsp?SessionID=SID-1A3EE8E8-1E7B947D&amp;xmld=12986_DEU_HTML.htm&amp;pbNr=1530&amp;dest=ooe">http://www2.land-oberoesterreich.gv.at/internetpub/Start.jsp?SessionID=SID-1A3EE8E8-1E7B947D&amp;xmld=12986_DEU_HTML.htm&amp;pbNr=1530&amp;dest=ooe</a> , Salzburg: <a href="http://www.salzburg.gv.at/themen/nuw/gewaesserschutz/ara.htm">http://www.salzburg.gv.at/themen/nuw/gewaesserschutz/ara.htm</a> )	Aggregated information at national level and information on UWWTP-level	2010	Each year (2010-2011-2012, most pages have update date in 2012)	Summary national figure from 1971 to 2010	Nothing clearly highlighted. The situation report 2012 shows the average performance on each of 4 parameters (BOD5, COD, N, P) are mentioned with BOD >93% and COD>87% since 1999, and 75% target for performance on nutrient is overpassed when counting all together plants >50 IE (+ a table showing this is the case since 2008 report). Overall performance is so high that individual non compliance cases are probably rare and for a short period of time.	no	overall is based on web based DB but not publicly accessible a) all country sensitive (but not clear); b)no ID/load or pathway; c)treatment type: partial info, d) partial info; e) summary figure for country and by RBD	various reports related to the topic and legislation on ELVs	the reports and information are embedded in a national portal covering other water related info	yes (Art. 16-report)	the report includes the list of agglomerations and associated treatment type	the report includes the waterbody/river on which the UWWTP discharges	mainly overall % at national level	link Agglo/UWWTP given in report annexe but %collected or treated not given	a) Y: national report + more technical reports on specific aspects Y: summary figures in text and graphs b) Only in downloadable reports c) Only in downloadable reports d) Only in downloadable reports e) No f) generic e-mail for all thematic g) NO h) One summary page in English	a) no b) yes c) yes (maps in report show geo-ref is available) d) static content e)no			
BE-Bru ssels	public: general information on sewer, WWTP, overflows... expert: metering of stormwater storage, of overflows, COM: no	WW height	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no functioning nor reporting information		

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BE-Flanders	public: general information on sewer, WWTP, overflows... many graphs 2002-2011, maps up to individual street number; expert & COM: summary regional figures	BOD, COD, Nt, Pt, overflows in percentage and tons, in and outflow of UWWT in tons of each parameter, financial figure of the company in charge (aquafins)	only regional aggregation	2011	yearly	2002-2011,	no	no	no but EstatJQ data are available		embedded in a website covering different environment topics and especially water						a) no, summary situation on webpage b) no c) no d) Only on dedicated website but poor e) No f) no g) no h) small webpage in English linked to ec.europa website	a) no b) ? c)yes (dedicated website) d)static content e)no	
BE-Wallonia	public: a state of the environment report that includes aspects related to WW and sludges, a map to identify sewer and WWTP and status		aggregated in report, individual system on map	1995	yes	2008 and 2010	no	no	some aggregated information on b) and c) and some summary figures on sludge	some additional information: finance aspects on IAS, situation as regards UWWT if under construction or existing, collection rate	embedded in a website covering different environment topics and especially water	yes <a href="http://www.spge.be/xml/doc-IDC-1094-.html">http://www.spge.be/xml/doc-IDC-1094-.html</a>	no	no	summary figures in report	no	a) no, summary situation on webpage b) no c) no d) Only on dedicated website but poor e) No f) no g) no h) only French	a) no b) ? c)yes (dedicated website) d)static content e)no	

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BG	-public: yes summary reports every 2 years (called Art 17) in Bulgarian+website; experts: yes reporting tables with individual data and related legislation downloadable; COM: idem	those of the reporting (urban + food industry) + sensitive areas + glossary of terms +legislation	full reporting to EU (Art.15) downloadable, hence each agglomeration. Aggregated in national report (Art.17).	2011	no, based on reporting frequency, except information on local municipalities investments	2007-2009-2011	indirectly through art17 report	no except progressive investment	reporting completed	no, nothing for all <2000pe	the reports and information are embedded in a national portal covering other water related info	yes legislation addressing UWWT is cited and downloadable	official reporting	official reporting	official reporting	official reporting	a) Y: national report + official reporting file with all details Y: summary figures in text b) Only in downloadable reports c) no d) Only in downloadable reports e) No f) name, e-mail and phone for water topic (use, protection and control) g) only official reporting excel tables h) detailed webpages in English	a) ??no b) no, apparently use of reporting tool c)yes (maps in report show geo-ref is apparently available) d)static content e)no	
CY	- public - waste water experts - COM (compliance assessment)	The website of the <b>Department of Environment - Pollution Control</b> ( <a href="http://www.moa.gov.cy/moa/environment/environment.nsf/All/164774A9C2FAEFE0C2257949002C022F?OpenDocument">http://www.moa.gov.cy/moa/environment/environment.nsf/All/164774A9C2FAEFE0C2257949002C022F?OpenDocument</a> ) gives - a general overview of the UWWTD and its general provisions, - related national legislation including links to pdf-documents of this legislation, - description of the institutional framework and the responsibilities, - deadlines for implementation of projects in Cyprus (i.e. deadlines for single agglomerations), - Responsibilities / Functions of the Department of Environment, - information about designation and review of sensitive areas (including a map showing these areas and a link to the ordinance designating the SA), -very brief description of measures to protect the environment and public health from urban wastewater discharges, -very brief explanation on the monitoring of discharges and the use of treated wastewater and sludge, - description of reports to the European Commission with links (Art. 15: link to xml-file provided for UWWTD Q2011 - reference year 2009, Art. 16: link to pdf-reports of reference year 2007/2008 and 2009/2010, Art. 17: brief	both, aggregated (national and/ or per size classes) and for each agglomeration	2009 (Art. 15) 2007/2008 and 2009/2010 (Art. 16)	yes	yes (for Art. 16-reports)	yes (in Art. 15- and Art. 16-reports)	no	yes (all information)	--	no	yes	no	yes	no	no	a) yes, Art. 16-report (pdf), Art. 15-report (xml-schema) b) no c) yes , but only few (e.g. schema on urban waste water treatment) d) yes - only one pdf-map showing sensitive areas e) no f) yes - contact details of responsible person g) yes: latest Art. 15-report (reference date 2009), Art. 16-reports (reference date 2007/2008 and 2009/2010) h) in Greek only	a) yes b) yes c) no d) data shows latest reporting e) no	The Environmental Impact Assessment Studies of planned developmental activities related to the design, construction and operation of Sewerage Systems and Urban Waste Water Treatment Plants as well as the Management of the Recycled Water are published on the Department of Environment website.  The Environmental Approvals issued by the Department of Environment are also published. <a href="http://www.moa.gov.cy/moa/environment/environment.nsf/de28_gr/de28_gr?OpenDocument">http://www.moa.gov.cy/moa/environment/environment.nsf/de28_gr/de28_gr?OpenDocument</a>

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		description, but no link)																	
		The web-site of the <b>Water Development Department</b> gives - the responsibilities of one division (Waste Water and Reuse Division), - provides links to three contract agreements of Upgrading Sewage Treatment Plants, - gives information as regards a project for Constructing the Treatment Plant for Domestic Septage, Industrial Wastewater, surplus sludge and leachate at Vati, - A1. Directive 91/271/EEC and National Implementation Programme Summary Description (incl. lists of agglomerations concerned), (note that the Greek version contains more comprehensive information than the versions in other languages), - A2. Reports submitted to the European Commission regarding the Directive 91/271/EEC incl. links to reports: Art. 15-report (pdf, reference year 2005), Art. 16-report (pdf, reference year 2004), Art.17-reports (pdf, reference years 2004 and 2008), - A3. Reports prepared by the European Commission regarding the Directive 91/271/EEC (pdf-reports of the 2nd - 5th report, A4. Articles / Presentations by WDD regarding the Directive concerning Urban Wastewater Treatment incl. links, B1. Sewerage systems in small rural communities with p.e. <2,000 (brief text, no links), C1. Articles / Presentations related to the Sewerage Treatment Plant and Reuse of Treated	both, aggregated (national and/ or per size classes) and for each agglomeration	2005 (Art. 15), 2004 (Art. 16), 2004 and 2008 (Art. 17) 2008 - 2011 (quality control data of treated effluent) 2004 - 2012 (Quantities and reuse of Treated Water )	yes, but not all sections are up-dated	yes (quality control data of treated effluent and Quantities and reuse of Treated Water)	yes (in Art. 15, Art. 16 and Art. 17-reports)	yes (in Art. 17-reports)	yes	Quality control data of the treated effluent - Urban wastewater treatment plants (tables with average effluent concentrations and limit values in mg/l for BOD5, COD, SS, Ntot, Ptot, Boron, Chloride, E. coli, conductivity reference year 2008 - 2011)', Quantities and reuse of treated wastewater	no	yes	no	yes (in Art. 15-report)	yes (in Art. 15-report)	yes (in Art. 15-report)	a) yes, Art.15, Art. 16 and Art. 17 -report (pdf) b) yes (quality control of treated effluent) c) yes (Quantities and reuse of Treated Water) d) yes (e.g. in Art. 17-report) e) no f) yes - there is a 'contact-us' site g) yes: latest Art. 15-report (reference date 2005), Art. 16-report (reference date 2004), Art. 17-report (reference date 2004 and 2008), no metadata h) Greek, English, Turkish (the	a) yes b) yes c) no d) data shows latest reporting e) no	a map showing the treatment plants operating in relevant agglomerations is available in the Art. 17 - report (NIP-2008) and under. <a href="http://www.moa.gov.cy/moa/wdd/Wdd.nsf/All/49D4782FD667ABF9C22571CD0029DE95?OpenDocument">http://www.moa.gov.cy/moa/wdd/Wdd.nsf/All/49D4782FD667ABF9C22571CD0029DE95?OpenDocument</a>

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
		Effluent incl. links, C2. Quantities and reuse of Treated Water (pdf-charts, reference year 2004 - 2012), G. Project for Constructing the Treatment Plant for Domestic Septage, Industrial Wastewater, surplus sludge and leachate at Vati area.This project is implemented under the Cooperation Programme between Switzerland and the Republic of Cyprus (textual project description incl. links), G3.1. Quality control data of the treated effluent - Urban wastewater treatment plants (tables with effluent concentrations, reference year 2008 - 2011), G3.2. Quality control data of the treated effluent - Wastewater Treatment Plants for communities with population equivalent under 2000 (table with tic boxes, reference year 2009 - 2011), G3.3. Quality control data of the treated effluent - Wastewater Treatment Plants for communities with population equivalent above 2000 (table with tic boxes, reference year 2009 - 2011), G3.4. Quality control data of the treated effluent - Wastewater Treatment Plants for military camps (no data provided), G3.5. Quality control data of the treated effluent - Wastewater Treatment Plants for public hospitals (table with tic boxes, reference year 2009 - 2011)															Greek version contains more comprehensive information than the versions in other languages)		
		The web site of the <b>Water Development Department</b> ( <a href="http://www.moa.gov.cy/moa/wdd/Wdd.nsf/cofinance_en/cofinance_en?OpenDocument">http://www.moa.gov.cy/moa/wdd/Wdd.nsf/cofinance_en/cofinance_en?OpenDocument</a> ) gives information as regards projects co-financed by the EU (Cohesion Funds, Structural Funds) with links to the single projects. Under the links, the projects are briefly described (partly in English and Greek, sometimes only in Greek). One section also gives links as concerns the output of the projects	for selected agglomeration s/ UWWTPs	different (depend ing on the project)	yes	yes, in the section 'E. Co-financed Projects ' there is an archive for 2010 and 2012	not explicitly	not explicitly	--	--	yes (e.g . To bigger context of the WFD )	no	no	no	no	no	a) yes b) yes (within the single project descriptions) c) yes (within the single project descriptions) d) no e) no f) yes - there is a 'contact-us' site g) yes (project descriptions can be downloaded as pdfs) h) Greek, several parts also in English	a) yes b) no c) no d) not relevant e) no	



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DK	- public - waste water experts	The web-site of the <b>Danish Nature Agency</b> ( <a href="http://www.naturstyrelsen.dk/Vandet/Vand-i-hverdagen/Spildevand/">http://www.naturstyrelsen.dk/Vandet/Vand-i-hverdagen/Spildevand/</a> ) provides general information as regards waste water treatment in Denmark, links to the last three years reports (latest from 2011) dealing with emissions from waste water treatment plants, companies with their own emissions and other point sources (e.g. storm water overflows). These reports give detailed information as regards the treatment type of WWTP, the actual occupation (p.e.) and the annual discharged loads of BOD, COD, Ntot, Ptot and waste water volumes per WWTP. The website also gives a pdf-report concerning hazardous substances in wastewater (stemming from a national monitoring programme from 1998 to 2009), information a concerns the waste water collecting systems, a database on hazardous substances in collected waste water and a FAQ-site on waste water.	national and on UWWTP-level	2011 for information from point sources , partly older information	no	yes (report on point source emissions from 2009, 2010 and 2011)	no	no	nearly none of the information is provided (only names of UWWTPs, the communes, they are located/ or that are discharging and the treatment type)	discharged loads of BOD5, COD, Ntot, Ptot, treated waste water volume, actual occupation (p.e.) and treatment type	yes, but only very general information as concerns environmental quality standards for surface waters (incl. a database with of quality standards for surface water) and a link to to map with shellfish waters in DK	no	no	no	no	no	a) yes b) yes c) yes d) no e) no f) no g) only pdf-download of the report h) in Danish only (English homepage gives less information)	a) no b) yes (web-based with links to relevant documents) c) no d) no (the web-site shows a static content) e) no	



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													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EE	- public - waste water experts - COM (compliance assessment)	The web-site of the <b>Ministry of Environment</b> ( <a href="http://www.envir.ee/reovesi">http://www.envir.ee/reovesi</a> ) gives general information as regards the UWWTD and its implementation (pdf-documents on waste water concepts, terms and definitions of the UWWTD, a link to the environmental register. The <b>Environmental register</b> presents basic information as regards WWTP ( <a href="http://register.keskkonnainfo.ee/envreg/main#HTTPGWJJK3yaihfUyQnWPImOmMVn1VR3r">http://register.keskkonnainfo.ee/envreg/main#HTTPGWJJK3yaihfUyQnWPImOmMVn1VR3r</a> ) (search functions by ID, name or area). Only few data are available (ID, name, location, coordinates, related documents). In addition, the Environmental register presents waste water collection areas (i.e. agglomerations) (available at: <a href="http://register.keskkonnainfo.ee/envreg/main#HTTPXIPIS1Z1lxuqEFMp4nnb1CuidqAGF9">http://register.keskkonnainfo.ee/envreg/main#HTTPXIPIS1Z1lxuqEFMp4nnb1CuidqAGF9</a> . Search functions by ID, name, area or size (below and above 2000 p.e.). Available information: size of the agglomeration, generated load, ID, name, coordinates and related documents. IDs for WWTP and waste water collection areas are not identical to the IDs reported under UWWTD Art. 15. Reports as regards Art. 15 (2007, 2009), Art. 16 (2006, 2008, 2010, 2012) and Art. 17 (2004, 2005, 2006, 2009) are available at: <a href="http://www.keskkonnainfo.ee/main/index.php/et/vaeljaanded-ja-uelevaated/vaeljaanded-ja-uelevaated">http://www.keskkonnainfo.ee/main/index.php/et/vaeljaanded-ja-uelevaated/vaeljaanded-ja-uelevaated</a>	both, on agglomeration and UWWTP - level and aggregated	different, latest available data from reference year 2010 (art. 16-report), in the Environmental register the latest date of data modification varies	yes	yes	yes (in Art. 16 - reports)	no (only in Art. 17-reports there is general information on the timetable of future measures and its funding per agglomeration)	yes	area of the agglomeration	no	yes	yes (Art. 15-reports)	yes (Art. 15-reports)	yes (Art. 15-reports)	yes (Art. 15-reports)	a) yes b) yes c) yes d) yes e) no f) general contact details (point of contact on front page of website for Environmental Directory) g) yes (graphs and pdf-reports) h) in Estonian and English (less information available in English)	a) no b) yes c) yes d) yes - seems to be directly connected e) yes	Information system called VEKA. It is not a public information system, it is for specialists, user ID and password are required.
FI	- public	no information as regards urban waste water and its treatment available. Reports as regards single WWTP or waste water treatment in rural areas is available at: <a href="http://www.ymparisto.fi/searchresult.asp?query=%E4teveden&amp;button1=%A0Search%A0&amp;lan=EN">http://www.ymparisto.fi/searchresult.asp?query=%E4teveden&amp;button1=%A0Search%A0&amp;lan=EN</a>	neither aggregated, nor on agglomeration or UWWTP-level	not evaluable	no	no	no	no	no information as requested under Art. 15, Art. 16 and/ or Art. 17 available	none	no	no	no	no	no	no	--	--	

	Level of information	Thematic content															Web-site structure/ user friendliness	Underlying information system	
MS	Are the following information levels available: - informed public - experts on UWW technologies - EC (compliance assessment)	Available parameters/ information	Aggregated information or for each agglomeration (national, regional, local)	Reference year	Does it seem to be frequently up-dated?	Historical data available	Information on non-compliance available	If non-compliance, are remedial actions presented	Is part / all of the information requested in the reporting formats under the UWWTD available in the web site?		Links to other water related information available ?	Information on UWWTD directive and its application within the MS available ?	UWWTD-related information available				a) reports, summary ....information b) Tables c) Graphics d) Maps e) Help page f) Helpdesk g) Download possibilities: ..tables, GIS-files, with ..metadata h) information available in ..national or also another ..language	a) Paper-based b) Web-based c) Geo-referenced information available d) Is the website directly connected to the information or displaying a static content (ex : latest reporting) e) Link from the website to the underlying IS	Other remarks
													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
FR	- public - waste water experts - COM (compliance assessment)	The web-site of the <b>Ministère de l'Écologie, du Développement Durable et de l'Énergie</b> ( <a href="http://assainissement.developpement-durable.gouv.fr/">http://assainissement.developpement-durable.gouv.fr/</a> ) provides an interactive map showing all 19.500 waste water treatment plants (different size of the dots depending on the size of the WWTP, different colours of the dots depending on conformity as concerns treatment installation in place and performance). Possibility to show either all WWTP or only the non-conforme WWTP. Possibility to additionally show the concentrations of BOD, COD, Ntot and Ptot in the monitoring stations in surface water bodies. The information provided in the interactive map as well as further information (e.g. a report on summary assessment of compliance, list of Sensitive Areas, guidance documents) are given at the following web-site: <a href="http://assainissement.developpement-durable.gouv.fr/services.php">http://assainissement.developpement-durable.gouv.fr/services.php</a> . The data download section provides Excel-lists with all data shown in the interactive map, with the agglomeration being the 'starting point' instead of the UWWTP. The complete database is accessible. Comprehensive further information (national sanitation regulations, the action plan and indicators) is available at: <a href="http://assainissement.developpement-durable.gouv.fr/recueil.php">http://assainissement.developpement-durable.gouv.fr/recueil.php</a>	aggregated information and detailed on the level of UWWTPs and/or agglomerations	Equipment of UWWTPs: 2012, monitoring results: 2011	yes	yes (back to 2008)	yes In addition, each year new lists of non-compliant treatment plants are identified with an aim to be compliant as soon as possible	yes (at least whether work to bring non-compliant agglomerations into compliance has already started (see <a href="http://assainissement.developpement-durable.gouv.fr/documents/2013_01_TB74_STEU.jpg">http://assainissement.developpement-durable.gouv.fr/documents/2013_01_TB74_STEU.jpg</a> ). Action plans have been put in place to deal with non-compliant WWTPs. The UWWTPs of highest priority are listed separately	most parts are covered; missing information: % of the generated load of an agglomeration collected in collecting system, addressed through IAS and nor collected at all	There is more information available than required for the UWWTD-reports (e.g. communes contributing to the agglomeration, treatment requirements according to the UWWTD, generation and disposal of sewage sludge per UWWTP)	yes (quality of surface waters)	yes	yes	yes	no	no	a) yes, summary report available (reference year 2008) b) yes c) yes d) yes e) yes (very good explanation of the different elements of the web-site) f) yes g) yes h) in French	a) no b) yes c) yes d) yes e) yes	A tool "mesurestep" is available. It allows the operators of the WWTPs to use their analysis and to send them to the local state authorities and river basin agencies. There is another tool "autostep" that allows the local state authorities to read those analyses and to decide whether the WWTPs are compliant.

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													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP			
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DE (example Nordrhein-Westfalen)	- public (general website providing a very brief textual overview of urban waste water treatment and the UWWTD)	The web-site of the <b>Ministerium für Klimaschutz, Umwelt, Landwirtschaft, Natur- und Verbraucherschutz des Landes Nordrhein-Westfalen</b> ( <a href="http://www.elwasims.nrw.de/ims/ELWAS-IMS/start.htm">http://www.elwasims.nrw.de/ims/ELWAS-IMS/start.htm</a> ) provides a brief text as concerns the UWWTD and link to UWWTD Art. 16 - report report (pdf-document with summary graphs) – reference date 2010	regional (aggregated information)	2010	yes (every 2 years)	no	no	no		--	yes (status of surface waters according to WFD)	yes	no	no	no	no	a) yes, Art. 16-report (pdf) b) yes c) yes d) no e) no f) no g) no h) in German only	a) yes b) no c) no d) no e) yes	
	- waste water experts (via portal of the information system ELWAS - IMS)	<b>ELWAS-IMS:</b> Information available for: UWWTPs / Discharge Points/ sampling points Selection on a map/ via web-search (either via name/ ID /district/ river code/ WFD river basin district /water body/ responsible authority) Available information UWWTPs: 1) Basic data (Name, ID, starting date of operation, responsible authority, combined or separate sewage system, coordinates, ID of WFD River basin district incl. reference date of ID, ID of receiving water incl. reference date of ID, ID of waterbody incl. reference date of ID, address, operator, organic design capacity), 2) Loads (connected inhabitants, connected p.e., annual wastewater load from 1993 – 2011), 3) Infrastructure (Details of planning phase, availability of pumps, screens, settlement tanks, rainwater storage tanks), 4) Treatment type, 5) Sewage sludge data (generation and disposal pathways, pollutants in sewage sludge) from 1993 – 2011, 6) indirect dischargers, 7) wastewater concepts incl.technical updates, 8) Results of UWWTP-surveillance Available information Discharge Points: ID, name, coordinates, connected communes, responsible authorities, , ID of WFD River basin district incl. reference date of ID, ID of receiving water incl. reference date of ID, ID of waterbody incl. reference date of ID Available information Sampling points: ID, coordinates, responsible authorities, Dates and conditions of sampling, pollutant concentrations in the effluent sample (reference dates 1/2013 – 1/2010), allowed concentrations according to permit)	Regional (ELWAS: Information available for each UWWTP, Discharge Point, Sampling Point)	loads at UWWTPs: 2011 - 2013 pollutant concentrations in the effluent sample: 2013 - 2010	yes (different depending on parameter)	loads at UWWTPs: 2011 - 2013 pollutant concentrations in the effluent sample: 2013 - 2010	no	no	information on agglomerations, Information on receiving area according to UWWTD	there are many parameters covered, e.g. the responsible authority, equipment of collecting systems and UWWTPs, etc..	Yes (on the map it is possible to view the next monitoring site as concerns water quality)	no	no	no	no	a) yes (reports: data from ELWAS can be made available in terms as pdf) b) yes c) yno d) yes e) yes f) yes, e-mail address for further questions g) no h) in German only	a) no b) yes (Geo-referenced information system shows UWWTPs with identical size and colour of dot), Discharge Points, sampling sites, but also sampling sites for the quality of surface waters. No further information is given when clicking to the elements on the map) c) yes d) no e) yes	All Länder are publishing general information on technical and legal status of the waste water discharges, including their biannual situation reports acc. to Art. 16 of the UWWTD-Directive on their websites.	

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	Are the following information levels available: - informed public - experts on UWW technologies - EC (compliance assessment)	Available parameters/ information	Aggregated information or for each agglomeration (national, regional, local)	Reference year	Does it seem to be frequently up-dated?	Historical data available	Information on non-compliance available	If non-compliance, are remedial actions presented	Is part / all of the information requested in the reporting formats under the UWWTD available in the web site?		Links to other water related information available ?	Information on UWWTD directive and its application within the MS available ?	UWWTD-related information available				a) reports, summary ....information b) Tables c) Graphics d) Maps e) Help page f) Helpdesk g) Download possibilities: ..tables, GIS-files, with ..metadata h) information available in ..national or also another ..language	a) Paper-based b) Web-based c) Geo-referenced information available d) Is the website directly connected to the information or displaying a static content (ex : latest reporting) e) Link from the website to the underlying IS	
													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
DE (example Rheinland-Pfalz)	- public - waste water experts	- Web-page gives textual information on urban waste water treatment, some summary graphs as concerns collecting systems and waste water treatment, reports as concerns special topics (e.g. energy efficiency), the link to Geoportal and the link to the Art. 16-report. - For each UWWTP, the following parameters are given (when clicking on points at a georeferenced map): ID, name, organic design capacity, treatment type, treatment process (e.g. aeration tanks), sewage sludge treatment) - Water permits are given in on-line waterbooks (to be searched via a georeferenced portal)	Regional: aggregated information and information for each UWWTP	reference year of Art. 16-report and summary tables: 2010, partly older information is displayed in the summary diagrams	not clear, at least every two years	no (only for some summary tables)	no	no	information on agglomerations, Information on receiving area according to UWWTD, information on treatment performance (monitoring results)	information on treatment processes, sewage sludge treatment per UWWTP	no	yes (Art. 16-report)	no	no	no	no	a) yes, Art. 16-report (pdf), reports on latest waste water realted projects b) yes (summary tables) c) yes (summary tables) d) yes e) no f) no g) no h) in German only		There is no possibility to search for UWWTPs on the website, only for water acts a web-based search is available. Information is scattered between different topics ('wastewater', 'services' and 'legislation')

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													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
GR	- public - waste water experts - COM (compliance assessment)	The website of the <b>Ministry of Environment, Energy and Climate Change</b> is: <a href="http://www.ypeka.gr">http://www.ypeka.gr</a> . In the Section "Water Resources", Subsection "Wastewater Management" there are all the relevant data, concerning the Directive 91/2171/EC. In the above mentioned Subsection "Wastewater Management" there is also a link to the "National Database of the Wastewater Treatment Plants". The web-site provides all information related to the UWWTD: general explanation as regards the provisions of the UWWTD including national legislation, information about implementation in Greece, links to legal documents (e.g. Directive), information on future measures for small agglomerations (link did currently not work), Art. 16 Implementation Reports (reference year 2009), presentation as concerns Wastewater collection and treatment in Greece (November 2011), link to the National Database of Wastewater Treatment Plants of the settlements of the country under the provisions of Directive 91/271/EEC, links to national wastewater guidance documents, links and guidance information for waste water reuse, links to COM-reports on UWWTD, links to reports from different regions (pdf-documents), information as concerns sewage sludge management The <b>National Database of Waste Water Treatment Plants</b> provides the following data for each UWWTP: Name of the UWWTP, ID of the UWWTP, Water district, picture with location of discharge point, responsible authority, organisation, programme funding structure, construction completion date, start-up date, date when environmental conditions expired with link to related document, served communities, associated industries, type of sewer system (combined/ seperated), design capacity, treatment type, monitoring results provided for 2010, 2011 and 2012), incoming load, analytical results of samples, contact data of responsible persons Reference year: 2012	for each UWWTP	2012 (The target is to provide the most up-to-date and recent data to the public)	yes (the information and publication of the operating data is continuous and there is ongoing data input and measurement by operators of wastewater treatment plants)	yes (monitoring data; 2010 - 2012)	yes (on the level of UWWTPs, in terms of monitoring results)	no	Area, the Agglomeration / UWWTP discharges to Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP	served communities , associated industries, type of sewer system (combined/ seperated)	no	yes	no	no	no	no	a) yes, Art. 16-report (pdf), reports on regional projects (pdf), pdf-reports for each UWWTP b) yes c) no d) yes e) yes f) yes (In the National Database a contact point of the "Ministry of Environment - Special Secretariat for Water" is provided in the relevant website. For each UWWTP there are also contact details concerning the operating authority, as well as the person responsible for uploading of the operational data and the person responsible for the chemical analyses) g) no (and no metadata available) h) in Greek only	a) no b) yes c) yes d) yes , directly connected to the information e) yes	All the information required for the reporting purposes under the UWWTD is requested to be submitted by the relevant local operating authorities to the information system The geo-referenced system is based on Googlemaps and looks similar to the French system Different colours for UWWTPs, for which data had already been provided (green), data had not yet been provided (red) and inactive UWWTPs (yellow) Search functions: by name/ by water district



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													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Hungary	- public - COM (compliance assessment)	The web-site of the <b>Central Directorate for Water and Environment</b> ( <a href="http://www.vizugy.hu/index.php?module=content&amp;programelemid=64">http://www.vizugy.hu/index.php?module=content&amp;programelemid=64</a> ) provides a very brief text as concerns the UWWTD and its implementation in Hungary. From this side there is a link to <b>Urban Waste Water Information system</b> ( <a href="http://www.teszir.hu/">http://www.teszir.hu/</a> ). The web-site is providing general information, a link to the Art. 16-report, the data dictionary of the database, a glossary, lists of all agglomerations, UWWTPs and discharge points providing very basic information in terms of tables (e.g. for agglomerations: ID, name, size, type of wastewater, coordinates, for discharge points i.a. waste water volumes discharged), interactive maps at reference date 2007 showing agglomerations, UWWTPs and discharge points (when clicking to the points the parameters of the UWWTD Questionnaire 2009 become visible, but without any explanation of parameter names), pdf-maps as concerns implementation programs (reference date 2004), contact details of data providers, pdf-documents explaining the national background as concerns waste water treatment and a link for data entry for data providers. The Hungarian Statistical Office provides ( <a href="http://www.ksh.hu">http://www.ksh.hu</a> ) information as regards the volumes of treated wastewater from 1990 - 2011 (summary table)	yes, for each agglomeration, UWWTP and discharge point, national summary information as concerns treated wastewater	2007 for data from the Central Directorate for Water and Environment 2011 for waste water from Statistics Hungary	no	partly (as concerns implementation reports and as concerns water statistics data (1990 - 2011))	no	no	yes	volumes of treated waste water	no	yes, but only a brief text is provided	yes	no	yes	yes	a) yes b) yes (lists of agglomerations, UWWTPs, discharge points) c) no d) yes (interactive and pdf) e) no f) no g) no h) in Hungarian only	a) no b) yes c) yes d) website shows a static content (report provided under UWWTD Q2009) e) no	
Ireland	( - public) - waste water experts - COM (compliance assessment)	The web-page of the <b>Irish Environment Protection Agency</b> ( <a href="http://www.epa.ie/irelandsenvironment/water/furtherinformation/">http://www.epa.ie/irelandsenvironment/water/furtherinformation/</a> ) provides brief general information on UWWTD and the requirements originating hereof. Information as regards the current situation and Investment programmes is available as pdf-reports and it is also possible to search for water authorisations. The web-page gives a good overview of the UWWTD-compliance per agglomeration in terms of lists and maps and also presents overview tables. In addition, future measures and the timetable to achieve compliance are clearly represented for the single agglomerations Information is available on national and regional level	both, aggregated (national and regional) and for each agglomeration	Reference date 2011 and 2010, partly older data is available (on regional level for 2009 and as regards UWWTD-compliance 2008)	yes	no	yes	yes	Most of the information is provided, however, not always in terms of the parameters requested in the UWWTD reporting formats. Missing: Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and	information on UWWTPs with less than 2,000 p.e., information on UWWTPs with too little samples	not explicitly	yes	yes	yes	no	no	a) yes, all information provided in terms of pdf-reports or pdf-maps(pdf), b) yes c) yes d) yes e) no f) yes (Point of contact for information and complaints at the Environment Protection Agency: <a href="http://www.epa.ie/about/contact/">http://www.epa.ie/about/contact/</a> ) g) no h) in English	a) yes b) no c) no (only pdf-maps) d) no, it displays a static content e) no	- the Irish EPA-site provides very good information, which is very close to the data, which is expected to be included in the UWWTD SIIF. +) There is a strong focus on the forward-looking approach in the pdf-reports +) Web-page is well structured allowing quick navigation for interested public and wastewater experts. However, reports might be too technical for the public

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													if parts, which ones are not?	If ancillary information, which one?	Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to				Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
									treated at all												
Italy	- public	<b>National level:</b> The purpose of the <b>National Environmental Information System</b> (SINANet, <a href="http://www.sinanet.isprambiente.it/it/sinanet">http://www.sinanet.isprambiente.it/it/sinanet</a> ), which was implemented in 2001, is the collection of information from environmental controls and surveys. No specific information as regards wastewater treatment or the UWWTD could be found on the web-site. However, the geo referenced information is compatible with system INSPIRE. <b>The National Information System for Water Protection Italy</b> (SINTAI, <a href="http://www.sintai.sinanet.apat.it/view/index.faces">http://www.sintai.sinanet.apat.it/view/index.faces</a> ) provides a set of activities designed to collect, store, process and disseminate information relating to the protection of waters against pollution. Again, no specific information as regards wastewater treatment or the UWWTD could be found on the web-site. The web-site of <b>ISPRA</b> ( <a href="http://www.isprambiente.gov.it/it/temi/acqua">http://www.isprambiente.gov.it/it/temi/acqua</a> ) provides general information as regards waste water treatment (e.g. explanation of biological treatment), but no explicit information as regards the current status of waste water treatment could be found.	not assessable	not assessable	not assessable	not assessable	no	no	not assessable	not assessable	not assessable	yes, but only in terms of a brief text provided at the web-site of ISPRA	no	no	no	no	a) no b) no c) no d) no e) no f) no specific citizen's contact point g) no h) overview sites available in Italian and English, text on waste water treatment in Italian only	a) no b) yes c) no d) the web-page says that it directly connects to the information, but it could not be verified e) the web-page says so, but it could not be verified			
	- public -waste water experts	Regional level: On regional level detailed information as regards single UWWTPs is available, e.g. <b>Trentino</b> ( <a href="http://www.adept.provincia.tn.it/">http://www.adept.provincia.tn.it/</a> ): general explanation of wastewater treatment, pdf-report on the situation of wastewater treatment in 1999, summary tables as regards UWWTPs in the different river basins, contact details for each river basin, list of publications (e.g. UWWTD Art. 16-reports), but no download-function, interactive maps with UWWTPs (available information: ID (not identical to the one reported under UWWTD), coordinates, address, name of receiving water body, name of river basin, name of hydrological basin, altitude, organic design capacity, served municipalities, average daily volumes treated, date, when the UWWTP went into operation, size of treatment installations, name of collecting systems) <b>Calabria</b> ( <a href="http://www.regione.calabria.it/ambiente/index.php?option=com_content&amp;task=view&amp;id=778&amp;Itemid=22">http://www.regione.calabria.it/ambiente/index.php?option=com_content&amp;task=view&amp;id=778&amp;Itemid=22</a> ) i.a. gives information as regards future	aggregated (regional level) and also per UWWTP	not clearly indicated in the two examples	no	no (list Art. 16-reports is available at the web-page from Trento from 1999 - 2004, but no download function)	no	for Calabria a future investments per agglomeration are given in pdf-reports	no, nearly all information is missing	from the two examples: information on future investments	no	yes, partly	no	no	no	no	a) yes b) yes c) no d) yes, but very simple ones e) yes f) yes, e.g. Trento: contact details for each river basin g) no h) only in Italian	a) no b) yes c) yes d) not clear, but rather displaying a static content e) no	<b>Further regional web-sites:</b> <u>Provincia di Bolzano-Alto Adige:</u> <a href="http://www.provincia.bz.it/agenzia-ambiente/acqua/pubblcazioni-acquereflue.asp?somepubl_image_id=209007">http://www.provincia.bz.it/agenzia-ambiente/acqua/pubblcazioni-acquereflue.asp?somepubl_image_id=209007</a> <u>Regione Lombardia:</u> <a href="http://ita.arpalombardia.it/ITA/console/files/download/81/report2011acque reflueurbane.pdf">http://ita.arpalombardia.it/ITA/console/files/download/81/report2011acque reflueurbane.pdf</a> <u>Regione Piemonte:</u> <a href="http://www.regione.piemonte.it/acqua/documentazione.htm">http://www.regione.piemonte.it/acqua/documentazione.htm</a> <u>Regione Valle d'Aosta:</u>		

MS	Level of information	Thematic content															Web-site structure/ user friendliness	Underlying information system	Other remarks
	Are the following information levels available: - informed public - experts on UWW technologies - EC (compliance assessment)	Available parameters/ information	Aggregated information or for each agglomeration (national, regional, local)	Reference year	Does it seem to be frequently up-dated?	Historical data available	Information on non-compliance available	If non-compliance, are remedial actions presented	Is part / all of the information requested in the reporting formats under the UWWTD available in the web site?		Links to other water related information available ?	Information on UWWTD directive and its application within the MS available ?	UWWTD-related information available				a) reports, summary ....information b) Tables c) Graphics d) Maps e) Help page f) Helpdesk g) Download possibilities: ..tables, GIS-files, with ..metadata h) information available in ..national or also another ..language	a) Paper-based b) Web-based c) Geo-referenced information available d) Is the website directly connected to the information or displaying a static content (ex : latest reporting) e) Link from the website to the underlying IS	
													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
		measures to bring non-compliant agglomerations into compliance and the financial investments required (reference year 2010 - 2012)																	<a href="http://www.arpa.vda.it/index.php?option=com_flexicontent&amp;\new=ltemsid=938&amp;id=1214&amp;Itemid=216&amp;lang=it">http://www.arpa.vda.it/index.php?option=com_flexicontent&amp;\new=ltemsid=938&amp;id=1214&amp;Itemid=216&amp;lang=it</a> <a href="http://www.arpa.vda.it/index.php?option=com_flexicontent&amp;\ie\vitensid=938&amp;id=1202&amp;Itemid=208&amp;lang-it">http://www.arpa.vda.it/index.php?option=com_flexicontent&amp;\ie\vitensid=938&amp;id=1202&amp;Itemid=208&amp;lang-it</a> <u>Regione Veneto:</u> <a href="http://www.arpa.veneto.it/temi-ambientali/acqua/file-e-allegati/documenti/acquae-Interne/acaue-reflueurbane/Rapporto%20sulle%20attivitao%20e%20depurazione%20delle%20acQue%20reflue%20urbane%20del%20Veneto%20-%20Anno%202011.pdf/view">http://www.arpa.veneto.it/temi-ambientali/acqua/file-e-allegati/documenti/acquae-Interne/acaue-reflueurbane/Rapporto%20sulle%20attivitao%20e%20depurazione%20delle%20acQue%20reflue%20urbane%20del%20Veneto%20-%20Anno%202011.pdf/view</a> <u>Regione Liguria:</u> <a href="http://www.cartografiar.l.regione.liguria.it/SiraRsaPubb_2005/TemaRsa.aspx?page=1&amp;Anno=2012&amp;Codtrele-RSA&amp;Sezione=7&amp;Tema=RISORSEIDRICHE: SCARICHI">http://www.cartografiar.l.regione.liguria.it/SiraRsaPubb_2005/TemaRsa.aspx?page=1&amp;Anno=2012&amp;Codtrele-RSA&amp;Sezione=7&amp;Tema=RISORSEIDRICHE: SCARICHI</a> <u>Regione Emilia Romagna:</u> <a href="http://VAV\w.arpa.emr.it/cms3/documenti/cerca/doc/acqua/relazione%20dep%20iii.pdf">http://VAV\w.arpa.emr.it/cms3/documenti/cerca/doc/acqua/relazione%20dep%20iii.pdf</a> <u>Regione Toscana:</u> <a href="http://www.arpat.toscana.it/jtydocumentazione/cataloqo-pubblicazioni-arpaty%20rei%20azione-sullo-stato-d%20l%20ambientein-toscana-2011">http://www.arpat.toscana.it/jtydocumentazione/cataloqo-pubblicazioni-arpaty%20rei%20azione-sullo-stato-d%20l%20ambientein-toscana-2011</a> <u>Regione Lazio:</u> <a href="http://www.regione.lazio.it/rl">http://www.regione.lazio.it/rl</a>



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	Are the following information levels available: - informed public - experts on UWW technologies - EC (compliance assessment)	Available parameters/ information	Aggregated information or for each agglomeration (national, regional, local)	Reference year	Does it seem to be frequently up-dated?	Historical data available	Information on non-compliance available	If non-compliance, are remedial actions presented	Is part / all of the information requested in the reporting formats under the UWWTD available in the web site?		Links to other water related information available ?	Information on UWWTD directive and its application within the MS available ?	UWWTD-related information available				a) reports, summary ....information b) Tables c) Graphics d) Maps e) Help page f) Helpdesk g) Download possibilities: ..tables, GIS-files, with ..metadata h) information available in ..national or also another ..language	a) Paper-based b) Web-based c) Geo-referenced information available d) Is the website directly connected to the information or displaying a static content (ex : latest reporting) e) Link from the website to the underlying IS	
													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
																			<a href="#">ambiente/?vw=contenutiDettaglio&amp;ld=138</a> <u>Regione Abruzzo:</u> <a href="http://www.regione.abruzzo.it/pianoTutelaacQue/docs/elabQratiPiano/R14/Allegati/Allegato11.pdf">http://www.regione.abruzzo.it/pianoTutelaacQue/docs/elabQratiPiano/R14/Allegati/Allegato11.pdf</a> <u>Regione Puglia:</u> <a href="http://Avwww.arpapuglia.it/Aygb/guest/rsa2011">http://Avwww.arpapuglia.it/Aygb/guest/rsa2011</a> <u>Regione Sicilia:</u> <a href="http://www.arpasicilia.it/context.jsp?ID_LINK=737&amp;area=5">http://www.arpasicilia.it/context.jsp?ID_LINK=737&amp;area=5</a> <u>Regione Sardegna:</u> <a href="http://82.85.20.58/sardeRna/webapp/index.php">http://82.85.20.58/sardeRna/webapp/index.php</a> <a href="http://www.sardegnaprogrammazione.it/index.php?xsN1227&amp;s=35&amp;v=9&amp;c=8156&amp;na=1&amp;n=10&amp;nodesc=2">http://www.sardegnaprogrammazione.it/index.php?xsN1227&amp;s=35&amp;v=9&amp;c=8156&amp;na=1&amp;n=10&amp;nodesc=2</a> <a href="http://www.Sardegnaprogrammazione.it/index.php?xsl-1227&amp;s=35&amp;v=9&amp;c=7535&amp;es-6603&amp;na=1&amp;n=10">http://www.Sardegnaprogrammazione.it/index.php?xsl-1227&amp;s=35&amp;v=9&amp;c=7535&amp;es-6603&amp;na=1&amp;n=10</a> <a href="http://www.regione.sardegna.it/index.php?xsl=510&amp;s=14903Q&amp;v=2&amp;c=8376&amp;tgltb=8374&amp;st=13&amp;tb=8374&amp;st=3">http://www.regione.sardegna.it/index.php?xsl=510&amp;s=14903Q&amp;v=2&amp;c=8376&amp;tgltb=8374&amp;st=13&amp;tb=8374&amp;st=3</a>

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	Are the following information levels available: - informed public - experts on UWW technologies - EC (compliance assessment)	Available parameters/ information	Aggregated information or for each agglomeration (national, regional, local)	Reference year	Does it seem to be frequently up-dated?	Historical data available	Information on non-compliance available	If non-compliance, are remedial actions presented	Is part / all of the information requested in the reporting formats under the UWWTD available in the web site?		Links to other water related information available ?	Information on UWWTD directive and its application within the MS available ?	UWWTD-related information available				a) reports, summary ....information b) Tables c) Graphics d) Maps e) Help page f) Helpdesk g) Download possibilities: ..tables, GIS-files, with ..metadata h) information available in ..national or also another ..language	a) Paper-based b) Web-based c) Geo-referenced information available d) Is the website directly connected to the information or displaying a static content (except: latest reporting) e) Link from the website to the underlying IS	
													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Latvia		The web-site of the <b>Latvian Environment, Geology and Meteorology Centre</b> ( <a href="http://www.meteo.lv/lapas/vide/udens/notekudeni?nid=1198&amp;nid=428">http://www.meteo.lv/lapas/vide/udens/notekudeni?nid=1198&amp;nid=428</a> ) describes the principles of the UWWTD in general and provides links to a data collection as regards water users and wastewater dischargers, as well as pollution emissions. The data collection can be searched by different options (e.g. region, organisations , etc.) and for different reference years (2000 - 2012, but not for all organisations data is available from all years). The results of the search is a web-, xls- or pdf-report, which gives all water uses and water discharged from one organisation. For waste water treatment plants the following information is displayed: ID (as reported under UWWTD), incoming and discharged annual loads of BOD, COD, SS, Ptot, Po4-P, Ntot, NH4-N, heavy metals, total volumes of treated waste water, treatment type, population equivalent and number of population connected to certain treatment plants, generation of sewage sludge. There is also the link to Art. 16- reports (pdf) from 2008, 2010 and 2012. Via the following web-site ( <a href="http://parissrv.lv/gmc.lv/public_reports">http://parissrv.lv/gmc.lv/public_reports</a> ) it is possible to compare the above mentioned data for the reference years 2000 – 2012.	both, aggregated and for each UWWTP	for each UWWTP: 2000 - 2012, summary information for reference year 2006 - 2012	yes	yes	yes (Information on non-compliances available in Art. 16 reports)	yes (Information on remedial actions described in Art. 16 reports)	not all parts are available. Unavailable information: calculated load in terms of population equivalent of agglomeration, connection rate to collecting system, receiving area according to the UWWTD	Wide range of pollutants in the effluent of UWWTPs	yes (links to information on implementation of WFD in Latvia, river basin management plans, surface water quality)	yes	yes (size of agglomerations which is criteria for treatment type required by UWWTD are listed on the map in the Art. 16 reports)	yes (entire territory of Latvia is defined as more sensitive area through Regulation of Cabinet on Ministers No. 34 (22.01.2002.))	no	no	a) yes b) yes c) yes (in Art. 16-reports) d) yes (in Art. 16-reports) e) yes f) yes, Contact details on the website <a href="http://www.meteo.lv/">http://www.meteo.lv/</a> : lvgmc@lvgmc.lv. According to national legislation one of the autonomous functions of Local governments is to collect and treat wastewater, therefore they are the first to handle complaints. Complaints can also be sent to the State Environmental Service or Regional Environmental Boards  g) no h) only in Latvian language	a) no b) yes c) no d) yes, web-site provides latest data and shows, when the data was generated e) yes	

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MS		Are the following information levels available: - informed public - experts on UWW technologies - EC (compliance assessment)	Available parameters/ information	Aggregated information or for each agglomeration (national, regional, local)	Reference year	Does it seem to be frequently up-dated?	Historical data available	Information on non-compliance available	If non-compliance, are remedial actions presented	Is part / all of the information requested in the reporting formats under the UWWTD available in the web site?		Links to other water related information available ?	Information on UWWTD directive and its application within the MS available ?	UWWTD-related information available				a) reports, summary ....information b) Tables c) Graphics d) Maps e) Help page f) Helpdesk g) Download possibilities: ..tables, GIS-files, with ..metadata h) information available in ..national or also another ..language	a) Paper-based b) Web-based c) Geo-referenced information available d) Is the website directly connected to the information or displaying a static content (example: latest reporting) e) Link from the website to the underlying IS	Other remarks
														Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Lithuania	- public - waste water experts	<p>There are currently two web-sites, presenting information on waste water treatment: web-site from the Lithuanian Environment Protection Agency and from Statistics Lithuania (which presents data made available from the Lithuanian Environment Protection Agency)</p> <p>The web-site from the <b>Lithuanian Environment Protection Agency</b> (<a href="http://vanduogamta.lt/cms/index?rubricId=1dfc8c55-6c24-4b1c-b31e-93ff7160e358">http://vanduogamta.lt/cms/index?rubricId=1dfc8c55-6c24-4b1c-b31e-93ff7160e358</a>) gives (for reference years 2002 – 2011):</p> <ul style="list-style-type: none"><li>- all domestic, industrial and municipal dischargers, coordinates and IDs of dischargers (to be clarified, whether these are identical to the IDs of discharge points reported under UWWTD Art. 15), names and types of waste water treatment plants.</li><li>- aggregated information (on the level of county/ municipality) for waste water volumes, subdivided into different categories like 'not entailing cleaning', 'cleaned according to the standards', 'insufficient cleaning', 'contaminated (no treatment)', 'released into storage tanks', etc.</li><li>- aggregated information (on the level of county/ municipality) for pollutant dischargers /e.g. BOD7, COD, suspended solids, etc...</li><li>- Waste water volumes per UWWTP (for UWWTPs above 2,000 p.e.) subdivided into different categories like 'inadequately treated sewage volume' 'quantity of water cleaned according to standards', etc. also giving the name of the receiving waters</li></ul> <p>The web-site from Statistics Lithuania gives (for reference year 1995 – 2011) on the level of municipalities, counties or the national level:</p> <ul style="list-style-type: none"><li>- The total sewage discharge</li><li>- Sewage treated according to standards</li><li>- Inadequately treated sewage</li><li>- Sewage meeting quality standards</li><li>- Sewage without treatment</li></ul>	Generally only the aggregated data is available with the exception of waste water amounts discharged from agglomerations with the size of >2000.	Site from the EPA: 2002 - 2011 Site from Statistics Lithuania: 1995 - 2011	yes, at least once a year	yes, Site from the EPA: 2002 - 2011 Site from Statistics Lithuania: 1995 - 2011	Currently such compliance data is not publicly available as in viewing/ downloading data via web	no	structure of presented information is not compatible with parameters under UWWTD-reporting, although some parameters are similar. No information as regards Agglomerations and UWWTPs (except the name). For discharge point several UWWTD-parameters are covered, although it is not clear, whether ID of discharger is identical to ID of UWWTD discharge point	Deatiled information on waste water volumes and discharged loads from waste water treatment plants for numerous pollutants	no	no	no	no	no	no	a) yes, summary information is provided in terms of tables and charts (multiple choice for type of chart) b) yes, based on web-service c) yes (multiple choice for type of chart) d) yes (possibility of displaying data on maps - options for mapping including type of categorisation) e) yes, on the web-site from Statistics Lithuania f) contact details are provided on the website g) yes, multiple options to save the data h) in Lithuanian only	a) no b) yes c) yes d) website shows latest available information (2011) e) no	The current system of the Lithuanian Environmental Protection Agency will be phased out when the ongoing project "AIVIKS" is finished. The aim of the project is to update/remake the current database and install new features, such as interactive maps and a web based searchable database, made available for public use.	

MS	Level of information	Thematic content															Web-site structure/ user friendliness	Underlying information system	Other remarks
	Are the following information levels available: - informed public - experts on UWW technologies - EC (compliance assessment)	Available parameters/ information	Aggregated information or for each agglomeration (national, regional, local)	Reference year	Does it seem to be frequently up-dated?	Historical data available	Information on non-compliance available	If non-compliance, are remedial actions presented	Is part / all of the information requested in the reporting formats under the UWWTD available in the web site?		Links to other water related information available ?	Information on UWWTD directive and its application within the MS available ?	UWWTD-related information available				a) reports, summary ....information b) Tables c) Graphics d) Maps e) Help page f) Helpdesk g) Download possibilities: ..tables, GIS-files, with ..metadata h) information available in ..national or also another ..language	a) Paper-based b) Web-based c) Geo-referenced information available d) Is the website directly connected to the information or displaying a static content (ex : latest reporting) e) Link from the website to the underlying IS	
													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LU	- public - waste water experts - COM (compliance assessment)	The web-site of the 'Administration de la gestion de l'eau' ( <a href="http://www.eau.public.lu/eaux_usees_pluviales/index.html">http://www.eau.public.lu/eaux_usees_pluviales/index.html</a> ) provides general information for the public as concerns waste water treatment, the population connected to waste water collecting and treatment systems, summary as regards the number of wastewater treatment plants, information as regards different waste water treatment types and a list and map of wastewater collection/treatment syndicates. At the same web-site, the section 'publications' provides the Annual Activity Reports, which - among others - provide information as regards the design capacity of each UWWTP, incoming and discharged loads of BOD, COD, Ntot and Ptot and information as regards noncompliance /non-compliance of the UWWTP (reference years 2002 - 2011) The web-sites from the five different water syndicates comprise different information for UWWTPs (not only ≥ 2,000 p.e., but also below 2,000 p.e.) Parameters, which are available at all web-sites from 'Siden' and 'Sidero' are: name of wastewater treatment plants, type of treatment, organic design capacity, summary information as regards sludge generation and discharge.	both, aggregated information (national and per syndicate) and information per agglomeration	different depending on web-site. Latest data available for 2011	yes	yes, but different depending on web-site. Activity reports: 2002 - 2011 Report from syndicate Sideri: 2008 . 2010	yes	yes, some water syndicates provide information on future measures, but no direct link to non-compliance	not all parts are available. Unavailable information: agglomerations and the % of the generated load collected in collecting system, addressed through IAS and not collected at all, receiving area according to the UWWTD, receiving waters	information as regards UWWTPs < 2,000 p.e.	no	yes, but only very brief explanation	no	no	no	no	a) yes b) yes c) yes d) yes e) yes f) contact details are provided on the website of 'Administration de la gestion de l'eau' and on the web-sites of the different syndicates g) no h) in general available in French, some information also available in German	a) no b) yes c) no d) website shows latest available information (2011) e) no	Web-sites from different syndicates: <a href="http://www.siden.lu">www.siden.lu</a> <a href="http://www.sidero.lu">www.sidero.lu</a> <a href="http://www.siach.lu">www.siach.lu</a> <a href="http://www.sidest.lu">www.sidest.lu</a> <a href="http://www.step.lu">www.step.lu</a> A geo-referenced system is in place for Luxembourg where the general public has access to information on water issues. The web-link is <a href="http://eau.geoportail.lu/">http://eau.geoportail.lu/</a> but it does not include any information on wastewater collection and treatment
MT	- public - waste water experts - COM (compliance assessment)	The Malta Environment & Planning Authority's website ( <a href="http://www.mepa.org.mt/marine-discharges-uwtd">http://www.mepa.org.mt/marine-discharges-uwtd</a> ) provides general information regarding the obligations arising from the Urban Wastewater Treatment Directive. In addition it is also possible to access the Article 16 (pdf) and Article 17 (Excel) reports through the same website. The Art. 16-reports also describes future measures for single UWWTPs, but no investments, the Art. 17-reports only give summary information. Reports are available for 2007, 2010 and 2012	both, aggregated and for each UWWTP	2010	yes (every two years)	yes (2005 - 2010)	yes	yes (in Art. 16-reports)	Unavailable information: % of the generated load of an agglomeration collected in collecting system, addressed through IAS and not collected at all	no	no	yes	yes	yes	no	no	a) yes b) yes c) yes d) yes e) no f) Through the Authority's website the general public can phone directly the officer responsible for implementation of the UWWTD or submit an online form requesting information. Complaints may also be received through a dedicated complaint handling system	a) no b) yes c) no d) website shows data from latest reporting e) no	

	Level of information	Thematic content															Web-site structure/ user friendliness	Underlying information system	
MS	Are the following information levels available: - informed public - experts on UWW technologies - EC (compliance assessment)	Available parameters/ information	Aggregated information or for each agglomeration (national, regional, local)	Reference year	Does it seem to be frequently up-dated?	Historical data available	Information on non-compliance available	If non-compliance, are remedial actions presented	Is part / all of the information requested in the reporting formats under the UWWTD available in the web site?		Links to other water related information available ?	Information on UWWTD directive and its application within the MS available ?	UWWTD-related information available				a) reports, summary ....information b) Tables c) Graphics d) Maps e) Help page f) Helpdesk g) Download possibilities: ..tables, GIS-files, with ..metadata h) information available in ..national or also another ..language	a) Paper-based b) Web-based c) Geo-referenced information available d) Is the website directly connected to the information or displaying a static content (ex : latest reporting) e) Link from the website to the underlying IS	Other remarks
													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
																	g) no h) in English		
Net herlands	- public - waste water experts	The <b>Helpdesk Water</b> ( <a href="http://www.helpdeskwater.nl/">http://www.helpdeskwater.nl/</a> ) provides information as concerns all water related issues, i.a. waste water. It provides general information as regards urban and industrial waste water, provides links to several data models and to Art. 16 - reports under the UWWTD (reference year 2004, 20076, 2008, 2010) . The Cenral Statistics Office of the Netherlands (www.cbs.nl) provides information as regards number, organic design capacity, treatment type, influent and effluent loads of BOD, COD, Ntot, Ptot, SS, water volumes and heavy metals, influent and effluent concentrations of BOD, COD, Ntot, Ptot, SS and sewage sludge data (dry solids by destination, nutrients and heavy metals) aggregated on river basin or rprovinces-level for refrence year 1981 - 2010. The <b>national centre of expertise in sewer management and urban drainage</b> in the Netherlands (www.rioned.org) provides the Urban Drainage Statistics 2009-2010 (pdf) with summary information as regards sewer systems and waste water treatment plants on province-level	aggregated (national,provinces, river basins)	2010	yes	yes (different, depending on the data source, e.g. 1981 - 2010, 2004 - 2010)	no	no	only aggregated information is available, no information about agglomerations and the fraction of the generated load collected in collecting systems, addressed through IAS and not collected at all	aggragated information on heavy metal loads in the influent and effluent of waste water treatment plants, aggregated information as regards investments, storm water overflows, length of sewage system	no	yes (in the Art. 16-reports) and an the web-site of Helpdesk Water	no	no	no	no	a) yes b) yes c) yes d) no e) no f) yes, extra site at Helpdesk Water g) yes (www.cbs.nl) h) in Dutch ( and partly in English)	a) yes (pdf, Helpdesk Water, Rioned) b) yes (CBS) c) no d) website shows data from latest reporting e) no	

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	Are the following information levels available: - informed public - experts on UWW technologies - EC (compliance assessment)	Available parameters/ information	Aggregated information or for each agglomeration (national, regional, local)	Reference year	Does it seem to be frequently up-dated?	Historical data available	Information on non-compliance available	If non-compliance, are remedial actions presented	Is part / all of the information requested in the reporting formats under the UWWTD available in the web site?		Links to other water related information available ?	Information on UWWTD directive and its application within the MS available ?	UWWTD-related information available				a) reports, summary ....information b) Tables c) Graphics d) Maps e) Help page f) Helpdesk g) Download possibilities: ..tables, GIS-files, with ..metadata h) information available in ..national or also another ..language	a) Paper-based b) Web-based c) Geo-referenced information available d) Is the website directly connected to the information or displaying a static content (except: latest reporting) e) Link from the website to the underlying IS	
													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Poland	- public (- waste water experts) - COM (compliance assessment)	The web-site of the <b>National Water Management Authority</b> ( <a href="http://www.kzgw.gov.pl/pl/Krajowy-program-oczyszczania-sciekow-komunalnych.html">http://www.kzgw.gov.pl/pl/Krajowy-program-oczyszczania-sciekow-komunalnych.html</a> ) provides an brief overview on the the implementation of the UWWTD in Poland, a map showing all UWWTPs (different size classes for different sizes of UWWTPs), indicates how many agglomerations have to achieve compliance with the Directive and by when and on the National Urban Wastewater Treatment Programme (KPOŚK). This program lists the needed projects for the construction, expansion or modernization of UWWTPs and the construction and modernization of collective sewage systems to be achieved in these areas by the end of 2015. The web-site lists the KPOŚK from 2003 (pdf incl. summary tables) and the updates from 2005 (Excel-lists with information for each agglomeration, link to ID of agglomerations reported under Art. 15 provided), 2009 and 2010 (text and Excel-lists with information for each agglomeration), templates for the fourth update KPOŚK, pdf-reports as concerns agglomerations with < 2.000 p.e., templates for reports on the implementation of KPOŚK 2012, 2011 and 2010, pdf-report on the implementation of KPOŚK 2008 - 2009 and 2003 - 2008, graphs and fact sheets as concerns waste water treatment in Poland from 2003 - 2011 and guidance documents on waste water management in the context of the KPOŚK.	both, aggregated (national, and per size classes) and on agglomeration level	2010	yes	yes (2003 - 2010)	yes	yes	no , missing parts are information as regards receiving areas under UWWTD, % of the agglomeration collected in collecting system, addressed through IAS and not collected at all	information as regards agglomerations < 2.000 p.e.	no	yes	no	no	no	no	a) yes b) yes c) yes d) yes (pdf) e) no explicit help page, buit instructions as regards templates and maps are given f) yes, contacts to different departments of the National Water Management Authority are given ( <a href="http://kzgw.gov.pl/pl/Kontakt.html">http://kzgw.gov.pl/pl/Kontakt.html</a> ) g) yes (but no metadata) h) in Polish and English, but information in Polish is more comprehensive	a) no b) yes c) no d) website shows static content e) no	



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	Are the following information levels available: - informed public - experts on UWW technologies - EC (compliance assessment)	Available parameters/ information	Aggregated information or for each agglomeration (national, regional, local)	Reference year	Does it seem to be frequently up-dated?	Historical data available	Information on non-compliance available	If non-compliance, are remedial actions presented	Is part / all of the information requested in the reporting formats under the UWWTD available in the web site?		Links to other water related information available ?	Information on UWWTD directive and its application within the MS available ?	UWWTD-related information available				a) reports, summary ....information b) Tables c) Graphics d) Maps e) Help page f) Helpdesk g) Download possibilities: ..tables, GIS-files, with ..metadata h) information available in ..national or also another ..language	a) Paper-based b) Web-based c) Geo-referenced information available d) Is the website directly connected to the information or displaying a static content (ex : latest reporting) e) Link from the website to the underlying IS	
													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Portugal	- public	<p>The web-site of the <b>Portuguese Environment Agency</b> (<a href="http://www.apambiente.pt/index.php?ref=16&amp;subref=7&amp;sub2ref=818">http://www.apambiente.pt/index.php?ref=16&amp;subref=7&amp;sub2ref=818</a>) and the web-site of the <b>Institute for Water</b> (<a href="http://www.inag.pt/index.php?option=com_content&amp;view=article&amp;id=162">http://www.inag.pt/index.php?option=com_content&amp;view=article&amp;id=162</a>) provide a brief overview of the implementation of the UWWTD into Portuguese law (incl. links), an explanation of main provisions of the Directive, a list and pdf-map of sensitive areas and less sensitive areas, a link to the Art. 16-report (pdf, reference year 2000) and links to further UWWTD-related documents (e.g. link to the web-site of the Institute of Water, which explains how limit values in estuaries are determined)</p> <p>An interactive map showing sensitive areas and less sensitive areas, as well as UWWTP is available at <a href="http://intersig-web.inag.pt/intersig/mapas.aspx">http://intersig-web.inag.pt/intersig/mapas.aspx</a>. As concerns UWWTPs, only their location on a map is provided without any further information. The web-site of the National System of Environment Information (SNIAMB, <a href="http://sniamb.apambiente.pt/portalmetadados/index.php?option=com_wrapper&amp;view=wrapper&amp;Itemid=2&amp;lang=pt">http://sniamb.apambiente.pt/portalmetadados/index.php?option=com_wrapper&amp;view=wrapper&amp;Itemid=2&amp;lang=pt</a>) provides the link to a map of UWWTP, but this map cannot be accessed publically. Metadata for this map are available.</p>	aggreagted information (national, per size class) in Art. 16-report, very little information on UWWTP-level	Art. 16-report: 2000; lists of sensitive areas and UWWTPs: 2008	no	no	no	no	Art. 15: only information on sensitive and less sensitive areas, other information missing Art. 16: available (but out-dated)	none	no, but national information on systems available for other water related issues (water quality at monitoring stations): <a href="http://snirh.pt/">http://snirh.pt/</a>	yes	no	no	no	no	a) yes (outdated Art. 16-report only) b) yes (outdated Art. 16-report only) c) yes (outdated Art. 16-report only) d) yes (outdated Art. 16-report only, interactive maps not satisfying) e) no explicit help page f) no, but general contact details at the Institute for Water g) yes, metadata as concerns UWWTPs can be downloaded at <a href="http://intersig-web.inag.pt/intersig/mapas.aspx">http://intersig-web.inag.pt/intersig/mapas.aspx</a> h) in Portuguese, some parts also in English	a) no b) yes c) yes d) website shows static content e) no	Part of the information requested is collated in databases: • wastewater systems database with data about urban wastewater treatment works; • environmental licensing database for compliance checks. In 2013 all technical information at the web-sites will be updated as well as the Art. 16-report (showing data from reference date 2009)

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													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Romania	- public (- waste water experts)	<p>The web-site of the <b>Ministry of Environment and Forests</b> provides information as regards the water resources management (including urban waste water) in Romania (<a href="http://www.mmediu.ro/beta/domenii/managementul-apelor-2/managementul-resurselor-de-apa/">http://www.mmediu.ro/beta/domenii/managementul-apelor-2/managementul-resurselor-de-apa/</a> ).</p> <p>The web-site contains reports on water resource management from 2009, 2008, 2004 - 2007, Information on the implementation of the UWWTD (brief text, no Art. 16-report), the situation for sludge treatment (reference year 2008) and presentations concerning the UWWTD given in a 2011 seminar.</p> <p>The web-site of <b>Romanian Waters</b> provides the Art. 16-report from reference year 2010, the UWWTD Implementation Report (text-file, reference date 2004, (<a href="http://www.rowater.ro/SCAR/PLAN%20DE%20IMPLEMENTARE%20privind%20epurarea%20apelor%20uzate%20orase%20si%20comune">http://www.rowater.ro/SCAR/PLAN%20DE%20IMPLEMENTARE%20privind%20epurarea%20apelor%20uzate%20orase%20si%20comune</a>)) and reports as regards the situation of waste water treatment in 2010 and 2011 (no Art. 16-reports, but collection of brief texts, <a href="http://www.rowater.ro/Lists/Accessul%20populatiei%20la%20infrastructura%20de%20apa/AllItems.aspx">http://www.rowater.ro/Lists/Accessul%20populatiei%20la%20infrastructura%20de%20apa/AllItems.aspx</a>)</p> <p>The Romanian INSPIRE Geoportal (<a href="http://geoportal.ancpi.ro/geoportal/catalog/main/home.page">http://geoportal.ancpi.ro/geoportal/catalog/main/home.page</a>) does not yet include specific information as regards UWWTPs</p>	aggregated information (national)	2010 (Art 16-report), 2011 (report about situation of waste water treatment)	no	no	no	no	no	Art. 15: no information provided, Art. 16-report: provided	no	yes	no	no	no	no	a) yes b) no (only some in the reports) c) no (only some in the reports) d) no e) no f) no, only general contact details of the institutions. On the web-site of Romanian Waters ( <a href="http://www.rowater.ro/Lista%20documentelor%20de%20interese%20public/Foarte%20interesante%20documente">http://www.rowater.ro/Lista%20documentelor%20de%20interese%20public/Foarte%20interesante%20documente</a> ) and the Ministry of Environment and Forest ( <a href="http://www.mmediu.ro/beta/informare-publica/">http://www.mmediu.ro/beta/informare-publica/</a> ): possibility to request the information according to law on public access to information  g) no h) in Romanian	a) no b) yes c) no d) website shows static content e) no	It is possible that the system could be adapted to allow EU systems to connect to it to access data as and when required; there are planned steps for implementation of the Regulation regarding access to spatial data sets and services of the Member States by Community institutions and bodies under harmonised conditions for new arrangements ( <a href="http://geoportal.ancpi.ro/geoportal/catalog/main/roadmap.page?for ceLocale=en">http://geoportal.ancpi.ro/geoportal/catalog/main/roadmap.page?for ceLocale=en</a> )



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													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
		Statistics available on <b>National Institute of Statistics</b> website ( <a href="https://statistici.INSSE.ro/shop/index.jsp?page=tema2&amp;lang=en&amp;context=67">https://statistici.INSSE.ro/shop/index.jsp?page=tema2&amp;lang=en&amp;context=67</a> ): log in required to access information, reference year 2006 - 2011, waste water volumes and pollutant quantities (BOD, COD, Ntot, Ptot, SS, heavy metals) are available  PMI110A - Wastewater generation by activity sectors 1.13 PMI110B - Wastewater collection and discharge by type of collecting system 1.14 PMI111A - Number of Wastewater treatment plant stages by type of plant 1.15 PMI111B - Wastewater treatment plant capacity in terms of BOD5 1.16 PMI111C - Daily flow of wastewater treatment plants by type of plant 1.17 PMI111D - Sludge resulted from wastewater treatment plants	aggregated information (national)	2011	yes (annually)	yes (2003 - 2011)	no	no	data requested under UWWTD are not available at all	heavy metal loads in waste water	no	no	no	no	no	no	a) not assessable (login required) b) not assessable (login required) c) not assessable (login required) d) not assessable (login required) e) detailed explanation of parameters available f) contact details are available for each parameter g) not assessable (login required) h) Romanian and English	a) no b) yes c) no d) website shows static content e) yes	
<b>Slovak Republic</b>	- public - waste water experts - COM (compliance assessment)	The web-site of the <b>Slovak Environment Agency</b> ( <a href="http://www.enviroportal.sk/environmentalne-temy/zlozky-zp/voda/spravy-o-stave-zp">http://www.enviroportal.sk/environmentalne-temy/zlozky-zp/voda/spravy-o-stave-zp</a> and <a href="http://www.sazp.sk/public/index/go.php?id=1167&amp;lang=sk">http://www.sazp.sk/public/index/go.php?id=1167&amp;lang=sk</a> ) provides links to Art. 15-reports (reference date 2011, 2009, 2007), Art. 16-reports (pdf, reference year 2010, 2008, 2006) and Art. 17-reports (pdf, up-dates from reference year 2010, 2008, 2006 and original plan from 2003). It also provides the link to the COM's UWWTD Implementation Reports and links to other water related reports, e.g. the State of the Environment Report or the Indicator Report. This report gives aggregated values on national level as concerns waste water collection and treatment. The web-site of the <b>Ministry of Environment of the Slovak Republic</b> ( <a href="http://www.minzp.sk/oblasti/voda/sprav-ovodnom-hospodarstve/">http://www.minzp.sk/oblasti/voda/sprav-ovodnom-hospodarstve/</a> ) provides annual reports as regards water management in Slovakia (reference years 2007 - 2011). Amongst others, these reports provide summary graphs and tables as concerns waste water treatment (treated waste water volumes, discharged loads, etc) and also some aggregated figures as concerns the outlook to the future. The web-site of the Statistical Office of the Slovak Republic ( <a href="http://portal.statistics.sk/showdoc.do?docid=64">http://portal.statistics.sk/showdoc.do?docid=64</a> ) contains a few predefined tables as regards	aggregated (national) and on agglomeration level	2011	yes (annually)	yes (2003 - 2011)	yes	yes, but only summary information as presented in Art. 17-reports	yes - all information as requested under the UWWTD Art. 15, Art. 16 and Art. 17 is provided	none	no direct links	yes	yes (in Art. 15-reports)	yes (in Art. 15-reports)	yes (in Art. 15-reports)	yes (in Art. 15-reports)	a) yes b) yes c) yes d) no e) the links to each report at the Slovak Environment Agency are supported with an explanation of the contents, the date of delivery to the COM and contact details of the responsible person. f) General contact: <a href="http://www.enviroportal.sk/environmentalne-temy/kontakt">http://www.enviroportal.sk/environmentalne-temy/kontakt</a> Discussion forums for different topics: for example	a) yes b) yes c) no d) website shows static content e) no	Decentralisation: Currently, the Enviroportal can not be connected to EC systems.  Decentralisation of the Enviroportal could be possible in a future via publication of references to appropriate INSPIRE data specifications and topics through the national Geoportal <a href="http://geoportal.sazp.sk/web/guest/home/">http://geoportal.sazp.sk/web/guest/home/</a> and Metadata catalogue under the Ministry of the Environment of the Slovak Republic

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													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
		waste water volumes discharged into watercourses.															http://www.enviroportal.sk/environmentalne-temy/zlozky-zp/voda g) yes. Metadata can be downloaded from an extra web-site: Metadata catalogue under the Ministry of the Environment of the Slovak Republic ENVIROINFO (http://geo.enviroportal.sk/sluzby/metaudaje or a more detailed link http://geo.enviroportal.sk/catalog-client/Start.do). h) Slovakian and English (reports from the Ministry), Slovakian (reports from the Slovak Environment Agency)		

	Level of information	Thematic content															Web-site structure/ user friendliness	Underlying information system	
MS	Are the following information levels available: - informed public - experts on UWW technologies - EC (compliance assessment)	Available parameters/ information	Aggregated information or for each agglomeration (national, regional, local)	Reference year	Does it seem to be frequently up-dated?	Historical data available	Information on non-compliance available	If non-compliance, are remedial actions presented	Is part / all of the information requested in the reporting formats under the UWWTD available in the web site?		Links to other water related information available ?	Information on UWWTD directive and its application within the MS available ?	UWWTD-related information available				a) reports, summary ....information b) Tables c) Graphics d) Maps e) Help page f) Helpdesk g) Download possibilities: ..tables, GIS-files, with ..metadata h) information available in ..national or also another ..language	a) Paper-based b) Web-based c) Geo-referenced information available d) Is the website directly connected to the information or displaying a static content (ex : latest reporting) e) Link from the website to the underlying IS	Other remarks
													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Slovenia	- waste water experts - COM (compliance assessment)	<p>The web-site of the <b>Environment Agency Slovenia</b> provides data on emissions from urban waste water treatment plants (<a href="http://vode.arso.gov.si/dist_javna/kcn/iskalnik_cn.jsp">http://vode.arso.gov.si/dist_javna/kcn/iskalnik_cn.jsp</a>). Selections can be done per year (latest available: 2012), by agglomeration, by UWWTP, by type of treatment, per settlement, per MSCODE (codes under WFD), per hydro graphic area and by type of activity. The data can be displayed or extracted as xml or Excel.</p> <p>Slovenia has also established a GIS-system, enabling visualisation of environmental data, including data, related to water issues ("Atlas okolja" – English: "Environmental Atlas"), as well as downloading official GIS-layers by different users ("Geoportal ARSO"). Both applications are available at the web-pages of the Environment Agency of the Republic of Slovenia.</p>	both, agglomeration or UWWTP level or aggregated	2012	yes	1998-2012	no	no	no, nearly all parts are missing. Available information only refers to loads discharged per agglomeration and UWWTP and the type of treatment at UWWTPs	loads of a high number of pollutantzs	no	no	no	no	no	no	a) yes b) yes c) no d) no e) the explanatory note to the site is still under preparation. The single parameters are explained briefly. f) General contact details are given g) yes (but no metadata) h) Slovenian and English. General information at the web-site from the Environment Agency: English version provides less information	a) no b) yes c) yes (to be verified) d) website shows static content e) yes	The system is INSPIRE compatible.  Its use to decentralise reporting by connecting the national system with the EU system could only be assessed if the requirements for this connection were to be defined
		<p>The web-site of the <b>Ministry of Agriculture and Environment</b> provides a link to the national programme for the implementation of the Directive 91/271/EEC (<a href="http://www.mko.gov.si/si/zakonodaja_in_dokumenti/veljavni_predpisi/okolje/zakon_o_varstvu_okolja/programi_in_nacrti_varstva_okolja/">http://www.mko.gov.si/si/zakonodaja_in_dokumenti/veljavni_predpisi/okolje/zakon_o_varstvu_okolja/programi_in_nacrti_varstva_okolja/</a>). The reference year is 13.12.2008</p>	both, agglomeration-level or aggregated	2008	no	no	Information is provided on the level of groups of agglomerations (agglomerations with the same requirements) and for the reference year 31. 12. 2008 and not on the level of agglomeration.	yes, but not on agglomeration-level	information required under Art. 17, information is missing as regards Art 15	none	no	yes	yes (summary information)	yes (summary information)	no	no	a) yes b) yes c) yes d) yes e) no f) General contact details of the Ministry of Agriculture and Environment are given g) yes (but no metadata) h) Slovenian	a) yes b) no c) yes (GIS-document for download) d) website shows static content e) no	All of the information requested in the reporting format under the UWWTD is available on the information system, but only data on emissions are available on the publicly accessible information system.

	Level of information	Thematic content															Web-site structure/ user friendliness	Underlying information system		
MS	Are the following information levels available: - informed public - experts on UWW technologies - EC (compliance assessment)	Available parameters/ information	Aggregated information or for each agglomeration (national, regional, local)	Reference year	Does it seem to be frequently up-dated?	Historical data available	Information on non-compliance available	If non-compliance, are remedial actions presented	Is part / all of the information requested in the reporting formats under the UWWTD available in the web site?		Links to other water related information available ?	Information on UWWTD directive and its application within the MS available ?	UWWTD-related information available				a) reports, summary ....information b) Tables c) Graphics d) Maps e) Help page f) Helpdesk g) Download possibilities: ..tables, GIS-files, with ..metadata h) information available in ..national or also another ..language	a) Paper-based b) Web-based c) Geo-referenced information available d) Is the website directly connected to the information or displaying a static content (ex : latest reporting) e) Link from the website to the underlying IS		
													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
ES	- public - waste water experts - COM (compliance assessment)	The public information system is the <b>SIA website</b> ( <a href="http://www.magrama.gob.es/es/agua/temas/publicacion-hidrologica/sia-/">http://www.magrama.gob.es/es/agua/temas/publicacion-hidrologica/sia-/</a> ), which provides general information for the public in terms of text, graphs and an interactive map (presenting agglomerations, UWWTPs, both reference date 2009, and sensitive areas, reference date 2010). When clicking to the agglomeration, the following data is presented: ID (analogues to the one presented under UWWTD, name, inhabitants, generated load (in p.e.), p.e. originating from industry, % of reduction for BOD, COD, SS, Ntot and Ptot, coordinates, location in sensitive area (incl.name of sensitive area), ID of related UWWTPs, name of hydrographic catchment). When clicking to the UWWTP, the following information is displayed: ID, name, type of treatment, coordinates, name of related agglomeration). SIA furthermore provides interactive maps, showing the same data for UWWTD as for the interested public, but also other water related data (measurement sites for quality control of surface water), indicators provided according to the DPSIR model (Driving force, Pressure, State, Impact and Response) and the possibility to download raw data, documents, etc.. The national plan was published in 2007 and is available on line: <a href="http://www.magrama.gob.es/es/agua/planes-y-estrategias/PlanNacionalCalidadAguas_tcm7-29339.pdf">http://www.magrama.gob.es/es/agua/planes-y-estrategias/PlanNacionalCalidadAguas_tcm7-29339.pdf</a> . In addition, a handbook as regards the interpretation of the UWWTD is available at: <a href="http://www.magrama.gob.es/es/agua/publicaciones/03_Manual_Directiva_91_271_CEE_tcm7-28959.pdf">http://www.magrama.gob.es/es/agua/publicaciones/03_Manual_Directiva_91_271_CEE_tcm7-28959.pdf</a>	both, aggregated (national) and on the level of agglomerations and UWWTPs	2009 (agglomerations, UWWTPs), 2010 (sensitive areas); national plan: 2007	yes	yes	not explicitly		not on agglomeration/ UWWTP level. The national plan lists the actions that have to be implemented to fulfil the objectives of the Directive	Art. 15: criteria of designation of sensitive areas, agglomerations: % of the generated load collected in collecting system, addressed through IAS and not collected at all, information about discharge points;L Art. 16: Report could not be found Art. 17: Report is available	differentiation of the generated load of an agglomeration originating from inhabitants and industry	yes (in the interactive maps. In addition, in the implementation report, indicators are given, which show the relation between surface water quality and degree of purification	yes	no	yes	no	UWWTPs serving the agglomeration: available, fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs: not available	a) yes b) yes c) yes d) yes e) yes, for each section of the SIA web-site there are 'Help'-buttons, which provide further explanations f) Contact details are clearly given at: <a href="http://www.magrama.gob.es/es/atencion-al-ciudadano/default.aspx">http://www.magrama.gob.es/es/atencion-al-ciudadano/default.aspx</a> g) yes, all elements can be downloaded with metadata h) Spanish (only main headlines are also given in English)	a) no b) yes c) yes (interactive map) d) website shows static content e) yes	A new website with information about compliance/implementation of the directive is planned.

MS	Level of information	Thematic content															Web-site structure/ user friendliness	Underlying information system	Other remarks		
	Are the following information levels available: - informed public - experts on UWW technologies - EC (compliance assessment)	Available parameters/ information	Aggregated information or for each agglomeration (national, regional, local)	Reference year	Does it seem to be frequently up-dated?	Historical data available	Information on non-compliance available	If non-compliance, are remedial actions presented	Is part / all of the information requested in the reporting formats under the UWWTD available in the web site?		Links to other water related information available ?	Information on UWWTD directive and its application within the MS available ?	UWWTD-related information available							a) reports, summary ...information b) Tables c) Graphics d) Maps e) Help page f) Helpdesk g) Download possibilities: ...tables, GIS-files, with ...metadata h) information available in ...national or also another ...language	a) Paper-based b) Web-based c) Geo-referenced information available d) Is the website directly connected to the information or displaying a static content (ex : latest reporting) e) Link from the website to the underlying IS
													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
SE	- public - waste water experts (- COM (overview))	The web page of the <b>Swedish Environmental Protection Agency</b> ( <a href="http://www.naturvardsverket.se/Stod-i-miljoarbetet/Vagledning-amnesvis/Avlopp/">http://www.naturvardsverket.se/Stod-i-miljoarbetet/Vagledning-amnesvis/Avlopp/</a> ) provides a general explanation of waste water and its treatment and gives the link to the latest EU Infringement case against SE and the treatment requirements originating from the Directive. The web-page provides guidance documents and results of recent studies as concerns waste water treatment and provides links to UWWTD Art. 16-reports from 2010, 2006, 2004 and 2003. Information as regards UWWTPs > 100,000 p.e. is also available in the Swedish E-PRTR ( <a href="http://utslappisiffror.naturvardsverket.se/en/">http://utslappisiffror.naturvardsverket.se/en/</a> )	aggregated (national) and at UWWTP-level (for UWWTPs > 100,000 p.e. as registered in E-PRTR)	2010	yes, but in big intervals	yes (2003, 2004, 2006)	only on national level and for selected UWWTPs in the context with the latest Court ruling	for selected UWWTPs in the context with the latest Court ruling	Art. 15: information is not available Art. 16: data available	none	yes (link is given to E-PRTR)	yes ( but only rough overview)	for selected UWWTPs in the context with the latest Court ruling	for selected UWWTPs in the context with the latest Court ruling	no	no	a) yes b) yes (in Art. 16-reports) c) yes (in Art. 16-reports) d) no e) no f) General contact details for questions as regards different topics ( <a href="http://www.naturvardsverket.se/Om-Naturvardsverket/Kontakt/">http://www.naturvardsverket.se/Om-Naturvardsverket/Kontakt/</a> ) g) yes (but only pdf-documents) h) Swedish and English (more information presented on the Swedish site)	a) yes b) yes c) no (except for information available at the E-PRTR-site) d) website shows static content e) no	Municipalities are responsible for the urban and on-site wastewater treatment and the County Administration Boards are the Permitting Authorities.		
UK	- public - waste water experts - COM (compliance assessment)	The web-site of the <b>Department for Environment, Food and Rural Affairs (Defra)</b> provides general information on waste water (treatment) and the implementation of the UWWTD in the UK (including links to all related national legal documents). It also provides a list of sensitive areas ( <a href="http://www.defra.gov.uk/environment/quality/water/water-quality/sensitive-areas/">http://www.defra.gov.uk/environment/quality/water/water-quality/sensitive-areas/</a> ) as pdf-maps and for download (csv, xlsx, xls). The list of sensitive areas contains information as regards the reason for designation (i.e. eutrophication, Bathing Water Directive, etc.), but no information whether eutrophication is due to N and/ or P. The web-site of DEFRA ( <a href="http://www.defra.gov.uk/environment/quality/water/sewage/sewage-treatment/">http://www.defra.gov.uk/environment/quality/water/sewage/sewage-treatment/</a> ) furthermore contains links to Art. 16-reports (reference year 2002 and 2012), as well as the link to the latest Art. 15-reporting (link is given to the Eionet-site)	both, aggregated (national) and on agglomeration level	2011 (sensitive areas); 2010 (Art. 15- and Art. 16-report)	yes	yes (but rather randomly - Art. 16-report from 2002)	Compliance information provided in the UK implementation report by type of area (sensitive, normal), sub-type (freshwater, coastal waters) and by size of catchment (in population equivalents from 2,000 p.e.)	no	the last Art. 15-report is made available the last Art. 16-report is made available	none	yes (in the Art. A6 - report to surface water quality and Bathing Waters)	yes	not explicitly (but information is available via Art. 15-report)	yes	yes	yes	a) yes b) yes c) yes d) yes e) no explicit help page f) General contact details of DEFRA are given. In the section for down-loading the list of sensitive areas, an extra contact is given g) yes, but no explicit metadata h) English	a) no b) yes c) no (except for pdf-maps) d) website shows static content (latest reporting). The list of sensitive areas is updated ad hoc. e) yes (for sensitive areas)			

MS	Level of information	Thematic content															Web-site structure/ user friendliness	Underlying information system	Other remarks
	Are the following information levels available: - informed public - experts on UWW technologies - EC (compliance assessment)	Available parameters/ information	Aggregated information or for each agglomeration (national, regional, local)	Reference year	Does it seem to be frequently up-dated?	Historical data available	Information on non-compliance available	If non-compliance, are remedial actions presented	Is part / all of the information requested in the reporting formats under the UWWTD available in the web site?		Links to other water related information available ?	Information on UWWTD directive and its application within the MS available ?	UWWTD-related information available				a) reports, summary ....information b) Tables c) Graphics d) Maps e) Help page f) Helpdesk g) Download possibilities: ..tables, GIS-files, with ..metadata h) information available in ..national or also another ..language	a) Paper-based b) Web-based c) Geo-referenced information available d) Is the website directly connected to the information or displaying a static content (ex : latest reporting) e) Link from the website to the underlying IS	
													Agglomeration and UWWTP: Treatment type required by the Directive	Area, the Agglomeration / UWWTP discharges to	Fraction of the generated load of the agglomeration, which is a)collected in collecting system, b) addressed through IAS and/ or c) not collected and treated at all	Agglomeration: UWWTPs serving the agglomeration and fractions of the generated load of the agglomeration, which are collected and treated in the different UWWTPs/ which are collected in collecting system, but not treated in UWWTP			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
		The website of the <b>Department of the Environment for Northern Ireland</b> ( <a href="http://www.doeni.gov.uk/index/protect_the_environment/water/urban_waste_water_.htm">http://www.doeni.gov.uk/index/protect_the_environment/water/urban_waste_water_.htm</a> ) also provides information as regards the implementation of the UWWTD and a pdf-document covering the review of sensitive areas (2006 - 2009). This document clarifies, whether an area is sensitive to N and/ or P. Also the web-site of the <b>Scottish Executive</b> ( <a href="http://www.scotland.gov.uk/Resource/Doc/1057/0123840.pdf">http://www.scotland.gov.uk/Resource/Doc/1057/0123840.pdf</a> ) provides a pdf-map of sensitive areas. However, it is not clear, which sensitive areas are designated for N and/ or P.	both, aggregated (national) and on the level of sensitive areas	2009	no	yes (old sensitive areas)	no	no	only information as regards sensitive areas is provided, all other information as regards Art. 15 is missing. Link to Art. 16-report of UK is provided	none	no	yes	no	no	no	no	a) yes b) yes (Table with sensitive areas) c) no d) yes (pdf-maps of sensitive areas) e) no f) General contact details are available g) yes (but only lists and pdf-maps of sensitive areas, no metadata h) English	a) no b) yes c) no (only pdf-maps of sensitive areas) d) website shows static content e) no	

Table 1

Member State	data is available centrally or from different institutions/ regions	includes information which is relevant for implementation and compliance				Information is kept up-to-date regularly	Information as regards responsibilities and contact details of responsible authority	Description of data gathering and monitoring systems	Perspective of getting/ staying in compliance - forward looking approach	Ensuring transparency and public access	Clear and self-explanatory presentation of information	Total
		administrative nature			physical nature							
		EU-legislation (91/271/EEC)	national transposition	concrete implementation measures	to which extent environmental objectives are achieved							
<b>Austria</b>	centralised database not publically available, decentralised websites	+ very basic explanation	+ comprehensive documents, but scattered on the web-site	+ explained in Art. 16-report	+ explained in Art. 16-report	+ biennially (latest data from 2010)	+ not very detailed	++ available at the web-site of the ministry, but not easy to find for non-experts	+ general information in Art. 16-report	+	+	11/20



Member State	data is available centrally or from different institutions/ regions	includes information which is relevant for implementation and compliance				Information is kept up-to-date regularly	Information as regards responsibilities and contact details of responsible authority	Description of data gathering and monitoring systems	Perspective of getting/ staying in compliance - forward looking approach	Ensuring transparency and public access	Clear and self-explanatory presentation of information	Total
		administrative nature			physical nature							
		EU-legislation (91/271/EEC)	national transposition	concrete implementation measures	to which extent environmental objectives are achieved							
<b>Belgium</b>	decentralised	0 or + the Flemish report mentions 91/271, no mention in Wallon or Brussel	0 or + the Flemish region and Brussels do not have anything on this and the Wallon region gives a structured access to national leg but the link to EU leg is found in a separate website with environment dashboard	0 only Art. 16 in Flanders but with 2010 situation and trend as compared to past years only, no details on implementation measures	0 no clear view on what are the environmental objectives	0 or + biennially in Wallonia, latest data from 2010	+ the main actors in each region are identified with their role	+ each region gives some summary information on the monitoring and which is the responsible agency	0	+ data is scattered between different web-sites and not well targeted with no wastewater entry	+ very general view	4-7/20
<b>Bulgaria</b>	centralised	+ brief description and link to the Directive (but broken)	+ Art 17 report downloadable and link to regulations including for SA	++ implementation plans on level of single agglomerations	0 no clear view on what are the environmental objectives, seems only seen from administrative point of view	+ biennially (latest data from 2011)	0	+ access to registers of discharge permits	+ the Art. 17 reports detail the implementation programme in a forward looking perspective	++ all official reports are available and downloadable	++	11/20
<b>Cyprus</b>	decentralised (different institutions, different regions)	++ description of concept/terms, link to Directive	++ link to regulations	++ implementation plans on level of single agglomerations	++ Art. 15-reports and information from sewerage boards	+ some sewerage boards publish monitoring results from 2012	+ information spread between different web-sites	+ available at web-site from some sewerage boards	+ for selected projects/ UWWTPs	+ data is scattered between different web-sites	+ data is scattered between different web-sites	14/20
<b>Czech Republic</b>	centralised	+ brief description and link to the Directive	++ link to regulations	++ overall implementation plan and finance needs and on each agglomeration and station	0 no clear view on what are the environmental objectives, seems only seen from administrative point of view	+ biennially (latest data from 2011)	0 only information on list of technical commissioners	+ available at level of the state company responsible on each river ( <a href="http://eagri.cz/public/web/mze/voda/odkazy/spravci-vodnich-toku.html">http://eagri.cz/public/web/mze/voda/odkazy/spravci-vodnich-toku.html</a> )	+ the financing plan is updated every second year	+ access to official statistics only	0	9/20
<b>Denmark</b>	centralised	0	0	0	+ only report indicating the annual discharged loads	+ annually (last report: 2011)	0	+ only report gives a brief description	0	+	+	5/20
<b>Estonia</b>	centralised	+ provision of terms and definitions of UWWTD	+ national regulations for defining agglomerations	0	+ only in Art. 16 and Art. 17- reports, Environment register gives no information on compliance and very limited information on treatment	+ for many UWWTPs/ agglomerations latest information from 2011	+ not very detailed	0	++ Art. 17-report on agglomeration level	+ Environment register (publicly available, little information) and VEKA (specialist system with password)	+	9/20
<b>Finland</b>	decentralised?	0	0	0	0	0	0	0	0	0	0	0/20

Member State	data is available centrally or from different institutions/ regions	includes information which is relevant for implementation and compliance				Information is kept up-to-date regularly	Information as regards responsibilities and contact details of responsible authority	Description of data gathering and monitoring systems	Perspective of getting/ staying in compliance - forward looking approach	Ensuring transparency and public access	Clear and self-explanatory presentation of information	Total
		administrative nature			physical nature							
		EU-legislation (91/271/EEC)	national transposition	concrete implementation measures	to which extent environmental objectives are achieved							
France	centralised	+ link to Directive	+ list of national regulations	++ general implementation plans, list of SA and explanation how they are designated	++ indication of available treatment and compliance on UWWTP-level and of water quality in receiving waters	++ treatment installation: 2012, performance: 2011	+ not very detailed	++ link to the tool 'measurestep' and 'autostep'	+ for UWWTPs which are prioritised	++ (interactive maps), ww experts and COM (download function)	++	16/20
Germany	decentralised (different regions) - only two regions were analysed	+ very basic explanation	+ very basic explanation	0	+ detailed information, but not always relevant for UWWTD, no explicit information as regards compliance	++ treatment performance: partly data from 03/2013	+ in ELWAS-ISM for each UWWTP/ sampling point	+ in ELWAS-ISM for each UWWTP/ sampling point	0	+	+ web-sites are not self-explanatory	9/20
Greece	centralised	++ explanation of provisions & link to the Directive	++ explanation & link to national documents	+ Report from 2009: list of sensitive areas, deadlines for implementation	++ detailed information on UWWTP-level as regards treatment type and performance	++ performance partly from year 2012	++ In the National Database of Waste Water Treatment Plants contact details are given for each UWWTP	+ not very detailed	0	++	++	16/20
Hungary	centralised	+ link to document with 'terms and definition' of the UWWTD	++	++ Implementation plan published on the website	+ basic information given in the Urban Waste Water Information System	0 administrative data are outdated (2007)	+ general list with data providers is available	0	0	+	+	9/20
Ireland	centralised	++ explanation of provisions & link to the Directive	++ explanation of national transposition & link to legislative documents	++	++	+ data from 2011 or 2010	+ responsibility of EPA and water authorities, water authorities for each UWWTP	++ explanation on sampling and analysis in general, information for each UWWTP, how many samples failed	+ date until when compliance will be achieved is given	+ information is rather for wastewater experts and the COM, than for the public	+ information is rather for wastewater experts and the COM, than for the public	15/20
Italy	decentralised (different regions) - only two regions were analysed	0	0	0	+ basic reporting elements for UWWTPs, no compliance information	+ information on investments from Calabria contains data from 2012, data from Trentino is outdated	+ very little information	0	+ for Calabria information on future investments and the sources are available for single UWWTPs	+ each region provides the information, that seems important to them	0	5/20



Member State	data is available centrally or from different institutions/ regions	includes information which is relevant for implementation and compliance				Information is kept up-to-date regularly	Information as regards responsibilities and contact details of responsible authority	Description of data gathering and monitoring systems	Perspective of getting/ staying in compliance - forward looking approach	Ensuring transparency and public access	Clear and self-explanatory presentation of information	Total
		administrative nature			physical nature							
		EU-legislation (91/271/EEC)	national transposition	concrete implementation measures	to which extent environmental objectives are achieved							
Latvia	centralised	+ explanation of main principles	+ explanation in Art. 16-report	+	+ information provided in Art. 16-report, detailed information on UWWTP-level, but no information on compliance	+ data from 2011 (searchable database) or 2010 (Art. 16-report)	+ contact details of data providers of each UWWTP	++ waste water guidelines give information	+ link to a web-site, where future investments are given for all environmental sectors	+	+	11/20
Lithuania	centralised	+ UWWTD is listed as international legal document	+ national legislation is listed	0	0 only summary information, but not on agglomeration-level, no Art. 16-report available	+ latest data from 2011	0	0	0	+	+	5/20
Luxembourg	decentralised (different regions)	+ UWWTD is listed as international legal document	+ national legislation is listed	0	++ indication of effluent concentrations and compliance on UWWTP - level	+ latest data from 2010 or 2011	+ list of water syndicates and their territorial responsibility s given	0	+ Water syndicates may provide information as regards future measures, but not tailor-made to UWWTD	+	+	9/20
Malta	centralised	++ explanation of provisions & link to the Directive	++ explanation & link to national documents	+ Art. 16-report list of sensitive areas, deadlines for implementation	+ information whether single agglomerations are compliant in Art. 16 - report	+ latest data from 2010 (Art. 16 - report 2012)	0	0	+ data can be found in the 2010 Art. 16 - report 2012)	+	+ +	11/20
Netherlands	decentralised (different organsiations)	+ UWWTD and its requirements briefly explained in Art. 16 - report	+ brief explanation in Art. 16 - report	0	+ brief explanation in Art. 16 - report	+ biennial (latest data available for 2010)	+ very brief explanation of responsibilities, no contact details	0	+ brief explanation in Art. 16 - report	+	+	8/20
Poland	centralised	++ explanation of provisions & link to the Directive	++ explanation & link to national documents	++ Implementation plans are up-dated regularly and published	+ only summary information as regards the current situation available	++ implementation plans are updated regularly (annually)	+ very brief explanation of responsibilities, no contact details	0	++ Implementation plans are up-dated regularly and published (information on agglomeration-level)	+	+ +	15/20

Member State	data is available centrally or from different institutions/ regions	includes information which is relevant for implementation and compliance				Information is kept up-to-date regularly	Information as regards responsibilities and contact details of responsible authority	Description of data gathering and monitoring systems	Perspective of getting/ staying in compliance - forward looking approach	Ensuring transparency and public access	Clear and self-explanatory presentation of information	Total
		administrative nature			physical nature							
		EU-legislation (91/271/EEC)	national transposition	concrete implementation measures	to which extent environmental objectives are achieved							
Portugal	centralised	+ link to the Directive	+ link to national documents	0 could not be assessed as the web-site of the Institute for Water was not working for more than one week	0 could not be assessed as the web-site of the Institute for Water was not working for more than one week	0 could not be assessed as the web-site of the Institute for Water was not working for more than one week	0 could not be assessed as the web-site of the Institute for Water was not working for more than one week	0 could not be assessed as the web-site of the Institute for Water was not working for more than one week	0 could not be assessed as the web-site of the Institute for Water was not working for more than one week	0 could not be assessed as the web-site of the Institute for Water was not working for more than one week	0 could not be assessed as the web-site of the Institute for Water was not working for more than one week	2/20
Romania	decentralised (different organisations)	++ explanation of provisions & link to the Directive	++ explanation & link to national documents	++ detailed implementation plan (reference year 2004)	+ only summary information as regards the current situation available	+ latest data available for 2011 (summary information)	+ detailed information as regards responsibilities (given in implementation plan), web-sites given in Art. A6-reports	+ available in the Implementation plan	0 no update of implementation plan available	+	+	12/20
Slovak Republic	decentralised (different organisations)	+ link to EU web-site on UWWTD and its general terms (in English only)	+ explanation in Art. 16 - report and Art. 17-report	+ detailed implementation plan available, but not on UWWTP-level	+ information available in Art. 16 - report	+ latest data available for 2009 (Art. 16-report) and 2010 (Art. 17 - report)	+ explanation of responsibilities and contact details for each report provided under UWWTD	0	+ summary information available in Art. 17-report	+	+	9/20
Slovenia	decentralised (different organisations)	+ information as regards UWWTD requirements and explanation of terms in Implementation report	+ information as regards national transposition in Implementation report (all relevant national legislation publically available at ministry's web-page)	+ detailed implementation plan available, but not on UWWTP-level	+ Emission register for urban waste water treatment plants and agglomerations (Emission register provides information on emissions from UWWTPs but not from agglomerations with no treatment plant)	+ latest data available for 2011	+ responsibilities are explained in the implementation report	0	0 no update of implementation plan available	+	+	8/20
Spain	centralised	++ explanation of provisions & link to the Directive	++ explanation & link to national documents	++ very detailed implementation plan available, partly on UWWTP-level	+ Information available for sensitive areas, agglomerations and UWWTPs, no explicit information on compliance	+ information from sensitive areas (2010) and from agglomerations/ UWWTPs (2009)	+ responsibilities are explained in the implementation report	+ in the handbook of the UWWTD	0	++ data can be downloaded	++	14/20
Sweden	centralised	+ rough explanation of provisions & link to the Directive	+ very general description in the explanation of the infringement case	+ very general description	+ information given in Art. 16 - report, also information on compliance on UWWTP-level is given	+ Art. 16 - report dates to 2010	+ very rough explanation, but no links	0	0	+	+ data is scattered on the web-site and it is not easy to find all relevant documents	8/20

Member State	data is available centrally or from different institutions/ regions	includes information which is relevant for implementation and compliance				Information is kept up-to-date regularly	Information as regards responsibilities and contact details of responsible authority	Description of data gathering and monitoring systems	Perspective of getting/ staying in compliance - forward looking approach	Ensuring transparency and public access	Clear and self-explanatory presentation of information	Total
		administrative nature			physical nature							
		EU-legislation (91/271/EEC)	national transposition	concrete implementation measures	to which extent environmental objectives are achieved							
United Kingdom	centralised	++ brief explanation of provisions & link to the Directive	++ explanation & link to national documents	+ list of sensitive areas as well as the name of the documents of their designation are available	+ summary information given in Art. 16 - report	+ 2011 (sensitive areas); 2010 (Art. 15- and Art. 16-report)	++ in the Art. 16 - report	0	0	+	+	11/20