

Eionet priority data flows

May 2013–April 2014

ISSN 1830-7701



Cover design: EEA
Layout: EEA
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Luxembourg: Publications Office of the European Union, 2014
ISBN 978-92-9213-466-2
ISSN 1830-7701
doi:10.2800/18732

This is a report presented to the EEA Management Board and for use within our network, Eionet. External readers are referred to the Eionet website to get further background information and guidance to the terminology used in the report.



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Foreword by the Executive Director

I am pleased to present to you the 17th progress report on Eionet priority data flows. The purpose of the report is to show progress against agreed, stable and well-defined criteria, in order to allow countries to identify and confirm the institutional resources they need for regular reporting procedures. It also aims to encourage better performance through friendly competition amongst countries concentrating on achievements rather than failures.

Progress has again been assessed against criteria for some 13 regular priority areas. Information is also provided for three additional data flows: reporting to EEA on near-real time ozone, water quantity and emissions to water. The 16 data flows presented in this report are a subset of EEA's data collection activities. They represent about 1 000 out of a total of 2 600 data deliveries received between May 2013 and April 2014.

All 33 EEA member countries and the six cooperating West Balkan countries (which together constitute the 'Eionet') participate in the priority data flows exercise. This is a substantially broader geographical coverage than in other ranking exercises and it represents a key added value of EEA/Eionet collaboration. The provision of high-quality data by the Eionet is fundamental for the EEA to achieve its mission to provide timely, targeted, relevant and reliable information to policymakers and the public.

During the reporting period, no country was able to achieve the full score of 100 %, which would indicate timely and complete data deliveries across all 13 priority areas. Estonia and Ireland shared this year's top score of 98 %, followed by Austria,

Bulgaria, Germany, Slovenia and Sweden (all at 96 %). Overall, the report finds the same average score across all countries as in the previous period (81 %). Eight countries were able to improve their scores significantly (i.e. more than 5 %), however not less than nine countries had significantly lower scores. Again, just under two-thirds of Eionet countries achieved or exceeded the average whereas 14 countries remained below.

Neither the EEA nor any country in the network can be complacent with stagnating average scores over several years (80 % in 2010, compared to 81 % this year). The EEA's Multiannual Work Programme 2014–2018 defines the following as one of the performance indicators: at least 90 % average scoring in Eionet data flows by 2018. Achieving this target remains our ambitious challenge and the EEA will continue to work with National Focal Points to improve the quality of the data reported in the agreed priority areas and beyond. Countries that are having difficulties with specific data flows are encouraged to discuss their problems with the EEA.

The use of Reportnet tools to facilitate data flows has again increased during the past year as the European Commission's DG Environment continues to channel more data collection through Reportnet services. Improvements have also been fostered by the increased number of data collections which receive quality feedback reports from experts via public online channels and by the timely responses provided by national data reporters.

Let me end by thanking the Eionet for its continued enthusiasm and support to ensure that Europe's environmental information is of the highest quality for public and government use alike.

Hans Bruyninckx
Executive Director

Figure 1 Overall performance of countries (May 2013–April 2014)

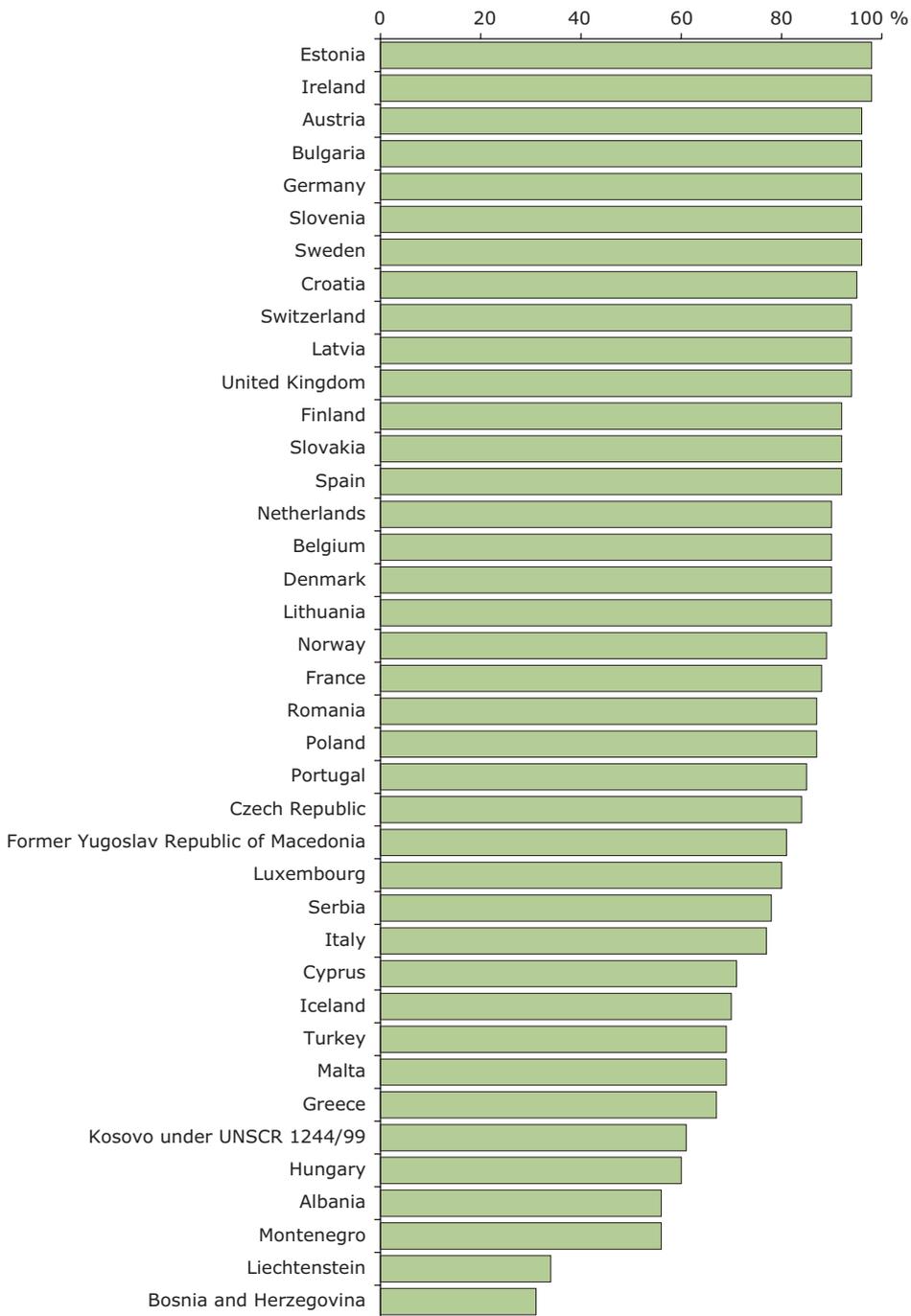


Table 1 Performance history

Country	Score 2000 (%)	Score 2005 (%)	Score 2006 (%)	Score 2007 (%)	Score 2008 (%)	Score 2009 (%)	Score 2010 (%)	Score 2011 (%)	Score 2012 (%)	Score 2013 (%)	Trend compared to last year
Albania	0	30	45	21	19	31	53	47	36	56	20 ↑
Austria	81	98	100	100	100	100	95	98	83	96	13 ↗
Belgium	31	66	69	75	96	92	90	94	92	90	- 2 →
Bosnia and Herzegovina	18	22	53	46	58	56	50	53	42	31	- 11 ↓
Bulgaria	42	89	80	92	96	92	92	94	92	96	4 →
Croatia	N/A	17	48	71	69	78	92	89	92	95	3 →
Cyprus	N/A	25	63	81	90	90	73	88	83	71	- 12 ↓
Czech Republic	38	65	68	84	80	85	85	82	84	84	0 →
Denmark	81	69	63	78	73	94	92	96	92	90	- 2 →
Estonia	54	81	90	86	96	96	98	98	94	98	4 →
Finland	61	75	73	78	92	85	83	83	90	92	2 →
Former Yugoslav Republic of Macedonia	29	69	78	75	75	72	69	69	66	81	15 ↗
France	47	83	85	89	94	96	96	94	96	88	- 8 ↓
Germany	69	75	92	78	88	100	98	94	94	96	2 →
Greece	50	54	50	50	52	58	58	65	69	67	- 2 →
Hungary	46	80	86	78	66	45	41	65	65	60	- 5 ↓
Iceland	28	56	30	64	73	64	75	80	70	70	0 →
Ireland	67	73	73	81	94	92	90	92	94	98	4 →
Italy	39	59	50	64	67	54	60	62	63	77	14 ↗
Kosovo under UNSCR 1244/99	N/A	57	66	61	- 5 ↓						
Latvia	50	98	100	97	98	98	96	85	94	94	0 →
Liechtenstein	19	64	54	60	57	86	82	97	66	34	- 32 ↓
Lithuania	36	83	94	94	85	94	94	96	94	90	- 4 →
Luxembourg	22	39	44	34	58	53	63	84	89	80	- 9 ↓
Malta	N/A	63	68	69	86	52	34	46	77	69	- 8 ↓
Montenegro	N/A	36	56	0	17	6	44	53	50	56	6 ↗
Netherlands	58	77	79	81	60	77	88	96	88	90	2 →
Norway	64	65	78	93	80	85	90	89	89	89	0 →
Poland	36	58	77	69	79	81	79	88	92	87	- 5 ↓
Portugal	39	27	42	64	83	85	90	85	77	85	8 ↗
Romania	21	11	75	86	96	92	92	92	90	87	- 3 →
Serbia	N/A	36	56	60	78	75	75	72	78	78	0 →
Slovakia	25	85	95	97	91	98	82	92	92	92	0 →
Slovenia	50	75	96	94	96	94	96	94	94	96	2 →
Spain	58	52	56	64	63	83	85	90	92	92	0 →
Sweden	47	94	96	97	100	100	98	100	100	96	- 4 →
Switzerland	N/A	75	39	85	100	97	94	100	83	94	11 ↗
Turkey	N/A	19	17	25	47	64	64	72	64	69	5 ↗
United Kingdom	78	82	83	94	65	81	98	96	96	94	- 2 →
Average (all countries)	45	62	69	73	77	78	80	83	81	81	- 2 →



Overall approach for scoring

The evaluation of the overall country performance is based on simple scoring rules: for each data flow, the maximum score is 3 points and the minimum score is – 1 point (see the detailed evaluation criteria on pages 8–26 in this report). Scores from all priority data flow areas are summed up for each country and then expressed as a percentage of the country's maximum score. Maximum scores are country specific, as not all countries are involved in all data flows.

A result of 0 % means that no data have been delivered at all. A result of 100 % means that complete data sets for all areas have been delivered on time.

N/A means not applicable. Some data flows are only relevant for the 28 Member States of the European Union. Furthermore, some countries such as Austria are not party to the relevant marine conventions.

Trend compared to the previous year

In Table 1, the trend of country performance in comparison to the previous cycle is indicated. The arrows show the overall trend in the following categories:

↑	Strong positive trend. Score has improved by more than 15 %.
↗	Positive trend. Score has improved between 5 % and 15 %.
→	No clear trend. Score has changed by less than 5 %.
↘	Negative trend. Score has deteriorated between 5 % and 15 %.
↓	Strong negative trend. Score has deteriorated by more than 15 %.

Timetable for Eionet priority data flows

Below is an overview of the deadlines for delivering data under the Eionet priority data flows for the reporting cycle 2013–2014.

Data flow	Deadline
AQ-2: Air quality questionnaire	30 September 2013
AQ-1: EoI data	1 October 2013
AQ-2b: Monthly/summer ozone	31 October 2013 (*)
EWN-1: River quality	31 October 2013
EWN-2: Lake quality	31 October 2013
EWN-3: Groundwater quality	31 October 2013
EWN-4: Water quantity	31 October 2013
ME-1: Marine data	31 October 2013
WISE1: Water emission quality	31 October 2013
AE-1b: NEC data	31 December 2013
AE-2b: EU GHG data	15 January 2014
AE-1: LRTAP data	15 February 2014
CDDA-1: Designated areas	15 March 2014
E-PRTR1: European Pollutant Transfer Register	31 March 2014
AE-2: UNFCCC data	15 April 2014
NRTO3: Near real-time ozone data	Not applicable (**)

Note: (*) Information on ozone exceedances has to be provided by the end of the following calendar month for each month from April to September. The deadline for additional information about the summer period was 31 October 2013.

(**) There is no traditional deadline for the near real-time ozone data flow, as it is based on continuous data exchange during the summer season.

Evolution of priority data flow reporting

Data flow progress reporting began in 1999 with an initial geographical coverage of the original 18 member countries of EEA. The coverage was extended in 2000 by including the 13 countries (Albania, Bosnia and Herzegovina, Bulgaria, the Czech Republic, Estonia, the former Yugoslav Republic of Macedonia, Hungary, Latvia, Lithuania, Poland, Romania, Slovakia and Slovenia) from the then Phare programme. Further extensions have increased the number of participating countries to 39: Malta (joining in 2004), Croatia, Serbia and Montenegro (joining in 2005), Cyprus, Switzerland and Turkey (joining in 2006) and Kosovo under UNSCR 1244/99 (joining in 2011).

In 1998, Eionet discussions on data flows focused on those which were seen as the key reporting activities for the thematic areas of air emissions, air quality, fresh water, marine, designated areas and Corine land cover. The set of information identified at that time has indeed proved to be a stable long term requirement for EEA's assessments. The significant evolution of environmental legislation during the period has tended to strengthen rather than change these requirements.

Outlook for the next data flow report

The next data flow report will analyse data deliveries made by countries for the reporting period May 2014 to April 2015. The final report will be presented in summer 2015. Draft results of the ongoing data flow evaluation will be made available, as always, on Eionet Portal at <http://www.eionet.europa.eu/dataflows>.

For the 2014–2015 data flow cycle, a series of priority data flows need to be aligned due to significant changes in EU environmental legislation. This is in particular true for all air quality related data flows (AQ-1: EoI data; AQ-2: Air quality questionnaire; AQ-2b: Monthly and summer ozone data and NRTO3: Near real-time ozone data) and for both data flows related to the reporting of greenhouse gases (AE-2: UNFCCC data and AE-2b: EU GHG data). The overall principle for the priority

data flow evaluation will however remain constant. A timely delivery which passes the very basic format and data consistency checks merits two smileys as these are the basics for an efficient compilation of a European dataset. The third smiley is awarded as an indication of completeness of the delivery. The criterion varies according to the data flow but usually relates to the length of time series or the number of pollutants supplied. Over time, the scoring criteria have been made more stringent across all data flows, so that countries have had to work harder to maintain their score from year to year.

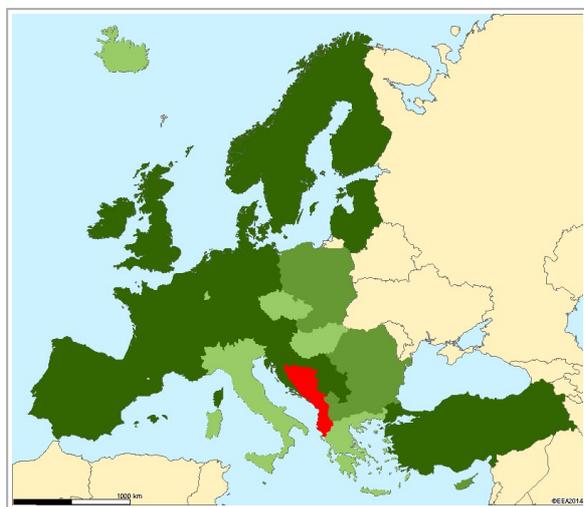
Reportnet data collection for the priority data flows and beyond

The 16 priority data flows presented in this report are a subset of EEA's data collection activities. The priority data flows resulted into 1024 out of the total number of 2586 deliveries received during the period 1 May 2013 to 30 April 2014. The remaining data deliveries received during the mentioned period responded to 80 different reporting obligations, including the following prominent EU legislation:

- Air quality directives (2004/107/EC and 2008/50/EC)
- Bathing Water Directive (2006/7/EC)
- Birds Directive (1979/409/EEC)
- CO₂ emissions from light commercial vehicles (Regulation 510/2011/EU)
- CO₂ emissions from passenger cars (Regulation 2009/443/EC)
- Emissions Trading Directive (2003/87/EC)
- Environmental Noise Directive (2002/49/EC)
- Floods Directive (2007/60/EC)
- Habitats Directive (92/43/EEC)
- INSPIRE Directive (2007/2/EC)
- Large Combustion Plants Directive (2001/80/EC)
- Marine Strategy Framework Directive (2008/56/EC)
- Water Framework Directive (2000/60/EC)

Deliveries under these obligations are not evaluated in the priority data flow report either because reporting frequency is not annual or because they are not currently used in a regularly updated EEA product such as an indicator.

Data flow AE1: LRTAP data



- 22 countries with a score of 3 points: Austria, Belgium, Croatia, Denmark, Estonia, Finland, France, Germany, Ireland, Latvia, Liechtenstein, Lithuania, Netherlands, Norway, Portugal, Serbia, Slovenia, Spain, Sweden, Switzerland, Turkey, United Kingdom

- 8 countries with a score of 2 points: Bulgaria, Cyprus, Former Yugoslav Republic of Macedonia, Kosovo under UNSCR 1244/99, Malta, Poland, Romania, Slovakia

- 6 countries with a score of 1 point: Czech Republic, Greece, Hungary, Iceland, Italy, Luxembourg

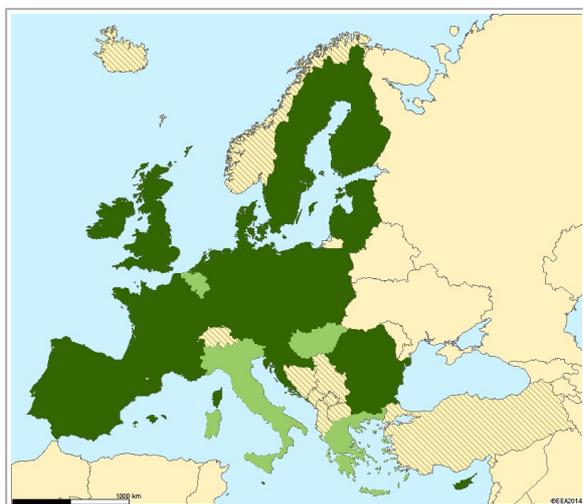
- 3 countries did not deliver data: Albania, Bosnia and Herzegovina, Montenegro

Detailed criteria for scoring

Scoring criteria are based on completeness of time series of requested pollutants (SO₂, NO_x, CO, NMVOC, NH₃, PM₁₀) included in national submission under the [UNECE Convention on Long-Range Transboundary Air Pollution \(LRTAP\)](#). It is critical for the Eionet priority data flow that a copy of the national submission is made available promptly in the agreed national data repository using requested electronic format according to the [template](#) (see [letter to Eionet](#)).

	Complete time series available for all requested pollutants SO ₂ , NO _x , CO, NMVOC, NH ₃ (at least 1990-2012) and PM ₁₀ (at least 2000-2012) by 15 February 2014.
	Data available on time (by 15 February 2014).
	Data delivered after 15 February 2014.
	No delivery available.
European datasets	Air emissions data published through EEA Data Service Air pollutant emissions (LRTAP) data viewer in EEA Data Service
Related indicators	EEA core set of indicators : <ul style="list-style-type: none"> • CSI 001 Emissions of acidifying substances • CSI 002 Emissions of ozone precursors • CSI 003 Emissions of primary particles and secondary particulate precursors Other air pollution indicators on EEA website.

Data flow AE1b: NEC data



- 24 countries with a score of 3 points: Austria, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Ireland, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, United Kingdom

- No country in this category

- 4 countries with a score of 1 point: Belgium, Greece, Hungary, Italy

- No country in this category

- This data flow is not applicable (N/A) to 11 countries: Albania, Bosnia and Herzegovina, Former Yugoslav Republic of Macedonia, Iceland, Kosovo under UNSCR 1244/99, Liechtenstein, Montenegro, Norway, Serbia, Switzerland, Turkey

Detailed criteria for scoring

Scoring criteria based on timeliness of reporting on the emissions of SO₂, NO_x, NMVOC and NH₃ during 2011 and 2012 as required by the [National Emission Ceilings Directive 2001/81/EC](#). The directive requires reporting according to the [template](#). Countries have been requested to post their deliveries in the Central Data Repository ([see letter to Eionet](#)).

	NEC data available in CDR by 31 December 2013 and in the format specified and without modifications to the reporting template.
	NEC data delivered in time (by 31 December 2013).
	NEC data delivered after 31 December 2013.
	No NEC data delivered.
European datasets	National Emission Ceilings Directive Inventory in EEA Data Service Air pollutant emissions (NEC Directive) data viewer in EEA Data Service
Related indicators	EEA core set of indicators : <ul style="list-style-type: none"> • CSI 001 Emissions of acidifying substances • CSI 002 Emissions of ozone precursors • CSI 003 Emissions of primary particles and secondary particulate precursors Other air pollution indicators on EEA website.

Data flow AE2: UNFCCC data



- 32 countries with a score of 3 points: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom

- No country in this category

- 3 countries with a score of 1 point: Former Yugoslav Republic of Macedonia, Kosovo under UNSCR 1244/99, Turkey

- 4 countries did not deliver data: Albania, Bosnia and Herzegovina, Montenegro, Serbia

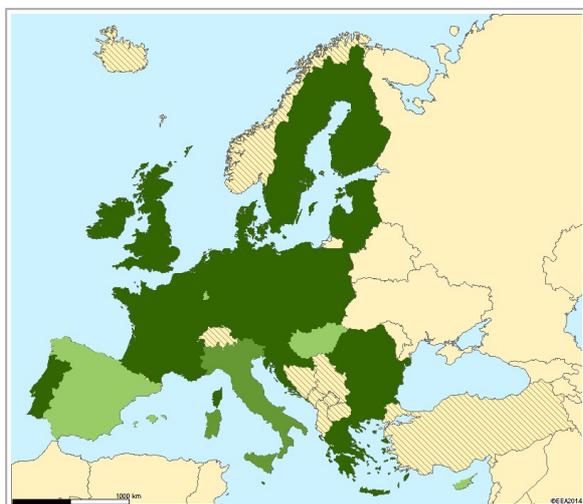
Detailed criteria for scoring

Scoring criteria based on completeness of time series of requested pollutants. It is critical for the Eionet priority data flow that a copy of the national submission to [UNFCCC](#) is made available electronically and in good time in agreed national data repository ([see letter to Eionet](#)).

For the next data flow report (covering the reporting period May 2014 – April 2015), this data flow will be aligned with the new provisions on greenhouse gas reporting established under the 2013 Monitoring Mechanism Regulation (MMR, Regulation (EU) No 525/2013).

	Complete time series made available from 1990-2012 for all pollutants requested by data flow project: CO ₂ , CH ₄ , N ₂ O, HFC, PFC and SF ₆ made available in specified XML format by 15 April 2014.
	Data in XML format available on time (by 15 April 2014).
	Data delivered with delay (after 15 April 2014) or not in XML format.
	No delivery available.
European datasets	Greenhouse gas emissions data published through EEA Data Service Greenhouse gas emissions data viewer in EEA Data Service
Related indicators	EEA core set of indicators : <ul style="list-style-type: none"> • CSI 002 Emissions of ozone precursors • CSI 010 Greenhouse gas emissions and removals Greenhouse gas country profiles

Data flow AE2b: EU GHG data



 23 countries with a score of 3 points: Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Ireland, Latvia, Lithuania, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Sweden, United Kingdom

 1 country with a score of 2 points: Italy

 4 countries with a score of 1 point: Cyprus, Hungary, Luxembourg, Spain

 No country in this category

 This data flow is not applicable (N/A) to 11 countries: Albania, Bosnia and Herzegovina, Former Yugoslav Republic of Macedonia, Iceland, Kosovo under UNSCR 1244/99, Liechtenstein, Montenegro, Norway, Serbia, Switzerland, Turkey

Detailed criteria for scoring

Scoring criteria based on timeliness of reporting on the emissions of greenhouse gases and preliminary inventory report as required by the [Greenhouse gas monitoring mechanism 280/2004/EC](#). The directive requires reporting according to [the implementing provisions \(2005/166/EC\)](#). Countries have been requested to post their deliveries in the Central Data Repository (see [letter to Eionet](#)).

For the next data flow report (covering the reporting period May 2014 – April 2015), this data flow will be aligned with the new provisions on greenhouse gas reporting established under the 2013 Monitoring Mechanism Regulation (MMR, Regulation (EU) No 525/2013).



Greenhouse Gas Monitoring Mechanism (EU GHG MM) data and preliminary inventory report delivered in time (by 15 January 2014) including all requested gases and in the specified XML format.



GHG data delivered in time and in the specified XML format (by 15 January 2014).



GHG data delivered with delay (15-31 January 2014) or not in the specified XML format.



No GHG data delivered or significantly delayed (after 31 January 2014).

European datasets [Greenhouse gas emissions data published through EEA Data Service](#)
[Greenhouse gas emissions data viewer in EEA Data Service](#)

Related indicators [EEA core set of indicators](#):

- CSI 002 Emissions of ozone precursors
- CSI 010 Greenhouse gas emissions and removals

[Greenhouse gas country profiles](#).

Data flow AQ1: EoI data



- 30 countries with a score of 3 points: Albania, Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovenia, Spain, Sweden, Switzerland, Turkey, United Kingdom

- 2 countries with a score of 2 points: Montenegro, Slovakia

- 5 countries with a score of 1 point: Cyprus, France, Iceland, Kosovo under UNSCR 1244/99, Malta

- 2 countries did not deliver data: Bosnia and Herzegovina, Liechtenstein

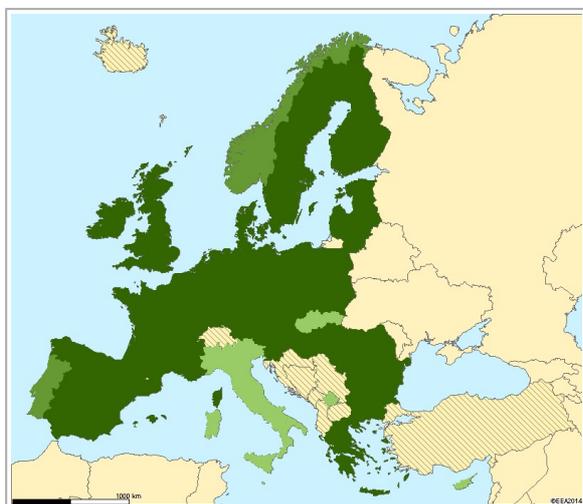
Detailed criteria for scoring

Scoring criteria based on timeliness of reporting under the [Exchange of Information Decision 97/101/EC \(amended by Commission Decision 2001/752/EC\)](#) and availability of data for particulate matter (see [the letter to Eionet](#)).

This is the last evaluation for this air quality data flow. The next data flow report will present a new set of air quality data flows, according to the recently established e-Reporting for air quality, under Directives 2004/107/EC and 2008/50/EC.

	2012 data delivered in time and includes particulate matter (Black Smoke, TSP, PM ₁₀ , PM _{2.5} , PM _{1.0}).
	2012 data delivered in time (not later than 1 October 2013).
	Delivery available but not meeting criteria for content and/or timeliness.
	No delivery available.
European datasets	AirBase data published through EEA Data Service Map viewer for AirBase data.
Related indicators	EEA core set of indicators : <ul style="list-style-type: none"> • CSI 004 Exceedance of air quality limit values in urban areas • CSI 005 Exposure of ecosystems to acidification, eutrophication and ozone

Data flow AQ2: Air quality questionnaire



	22 countries with a score of 3 points: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Latvia, Lithuania, Luxembourg, Netherlands, Poland, Romania, Slovenia, Spain, Sweden, United Kingdom
	2 countries with a score of 2 points: Norway, Portugal
	5 countries with a score of 1 point: Cyprus, Italy, Kosovo under UNSCR 1244/99, Malta, Slovakia
	No country in this category
	10 countries did not actively participate in this data flow: Albania, Bosnia and Herzegovina, Croatia, Former Yugoslav Republic of Macedonia, Iceland, Liechtenstein, Montenegro, Serbia, Switzerland, Turkey

Detailed criteria for scoring

Scoring is based on reporting of information on exceedances or non-exceedances in zones and agglomerations for all pollutants required to be reported through the [annual questionnaire \(2004/461/EC\)](#) by the daughter directives of the Air Quality Framework Directive (1999/30/EC: sulphur dioxide, nitrogen dioxide and oxides of nitrogen, particulate matter and lead; 2000/69/EC: benzene and carbon monoxide; 2002/3/EC: ozone). Digital boundary information for the zones and agglomerations is also required where zone boundaries have changed or where zone boundaries were not previously available so that a European overview can be produced. Participation in the 2013 data flow is voluntary for countries which are not EU Member States.

This is the last evaluation for this air quality data flow. The next data flow report will present a new set of air quality data flows, according to the recently established e-Reporting for air quality, under Directives 2004/107/EC and 2008/50/EC.

	Annual air quality in zones and agglomerations for 2012 for all required pollutants delivered in CDR using the questionnaire by 30 September 2013 and boundary information supplied for all reported zones and agglomerations and requested metadata provided for at least 95 % of reported stations.
	Annual air quality in zones and agglomerations for 2012 for all required pollutants delivered in CDR using the questionnaire by 30 September 2013 and boundary information supplied for all reported zones and agglomerations.
	Information delivered but not meeting the criteria relating to timeliness, number of pollutants, boundary information or station metadata.
	No information delivered.
European datasets	Zones in relation to EU air quality thresholds published through EEA Data Service Map viewer for air quality zones
Regular products	Annually published DG Environment list of zones in the EU Member States in relation to air quality thresholds

Data flow AQ2b: Monthly and summer ozone data



- 26 countries with a score of 3 points: Austria, Belgium, Bulgaria, Croatia, Czech Republic, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Ireland, Latvia, Lithuania, Luxembourg, Malta, Montenegro, Poland, Romania, Serbia, Slovakia, Slovenia, Spain, Switzerland, United Kingdom

- 8 countries with a score of 2 points: Albania, Cyprus, Italy, Kosovo under UNSCR 1244/99, Netherlands, Norway, Portugal, Sweden

- 3 countries with a score of 1 point: Denmark, Iceland, Turkey

- 2 countries did not deliver data: Bosnia and Herzegovina, Liechtenstein

Detailed criteria for scoring

Scoring is based on reporting of provisional information about exceedances during the summer period of the current year according to Directive 2002/3/EC relating to ozone in ambient air: articles 10.2.a.i and 10.2.a.ii.

The criteria relate to the timeliness of reporting in CDR and the provision of station metadata needed for mapping and analysis. The EoI station code is sufficient if the metadata has been reported previously under EoI ([Exchange of Information Decision 97/101/EC amended by Commission Decision 2001/752/EC](#)) and an agreed EoI code has been allocated.

This is the last evaluation for this air quality data flow. The next data flow report will present a new set of air quality data flows, according to the recently established e-Reporting for air quality, under Directives 2004/107/EC and 2008/50/EC.



Information on exceedances provided in CDR before the end of the following calendar month for each month from April to September. Additional information about the summer delivered in CDR by 31 October 2013 and metadata on station location and type provided for at least 95 % of reported stations.



Information on exceedances provided for all the months from April to September. The report with additional information about the summer delivered after 31 October 2013 or metadata on station location and type not available for at least 95 % of reported stations.



Information delivered but it does not meet the criteria relating to timeliness and/or completeness.

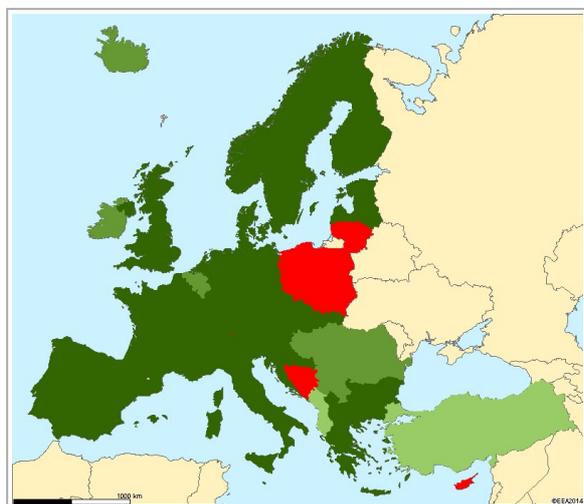


No 2013 data delivered.

European datasets [Provisional ozone exceedances](#)

Regular products Annually published [EEA reports on summer ozone exceedances](#)

Data flow CDDA1: Designated areas



25 countries with a score of 3 points: Austria, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Italy, Kosovo under UNSCR 1244/99, Latvia, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom

6 countries with a score of 2 points: Belgium, Hungary, Iceland, Ireland, Romania, Serbia

3 countries with a score of 1 point: Albania, Montenegro, Turkey

5 countries did not meet the minimum criteria: Bosnia and Herzegovina, Cyprus, Liechtenstein, Lithuania, Poland

Detailed criteria for scoring

Evaluation and scoring criteria for the CDDA are unchanged from previous years. The criteria are based on the timeliness and quality of the data made available in the agreed national data repository. Correctly reported spatial data with the appropriate attributes allows EEA to use CDDA in combination with other European data sets when making assessments. The information on IUCN categories is also a key attribute in the [World Data Base on Protected Areas](#).



Designated areas made available by 15 March 2014 and at least 95 % of the nationally designated areas reported have the required attributes: centre co-ordinates, size of area and valid IUCN category and valid designation category. In addition: correctly reported digital boundaries have been made available for at least 75 % of the reported nationally designated areas that have an area greater than 1 hectare (priority should be given to the largest areas).



Designated areas made available by 15 March 2014 and at least 66 % of the nationally designated areas made available have the required attributes: centre co-ordinates, size of area and valid IUCN category and valid designation category. In addition to the above: correctly reported digital boundaries have been made available for at least 50 % of the reported nationally designated areas that have an area greater than 1 hectare (priority should be given to the largest areas).



Designated areas made available and at least 30 % of the nationally designated areas made available have the required attributes: centre co-ordinates, size of area, valid IUCN category and valid designation category.



No data made available or less than 30 % of the nationally designated areas reported have the required attributes.

European datasets Nationally designated areas data published through [EEA data service](#).

Related indicators [EEA core set of indicators](#): CSI 008 Designated areas

Note: IUCN stands for International Union for the Conservation of Nature and Natural Resources. The 2008 guidance document on IUCN categories is available at: <http://data.iucn.org/dbtw-wpd/edocs/PAPS-016.pdf>.

Data flow EWN1: River quality



15 countries with a score of 3 points: Belgium, Bulgaria, Croatia, Estonia, Germany, Ireland, Latvia, Lithuania, Poland, Romania, Slovakia, Slovenia, Spain, Sweden, United Kingdom

18 countries with a score of 2 points: Albania, Austria, Bosnia and Herzegovina, Cyprus, Denmark, Finland, Former Yugoslav Republic of Macedonia, France, Iceland, Italy, Kosovo under UNSCR 1244/99, Luxembourg, Netherlands, Norway, Portugal, Serbia, Switzerland, Turkey

2 countries with a score of 1 point: Malta, Montenegro

4 countries did not meet the minimum criteria: Czech Republic, Greece, Hungary, Liechtenstein

Detailed criteria for scoring

Scoring criteria are based on data deliveries for the current year and focus on the provision of quality data for preferred SoE nutrients and physical characteristics of monitoring stations. Further criteria, important for achieving the maximum score, are the timeliness of the delivery, the provision of hazardous substances data, long time series of quality data for substances from 5 preferred SoE nutrient groups – 1. *BOD5/BOD7/Dissolved Organic Carbon*, 2. *Total Ammonium/Ammonium*, 3. *Total Phosphorus*, 4. *Orthophosphate*, 5. *Nitrate/Total Oxidised Nitrogen* – and data on proxy pressures and the response of a country to data validation questions.

Examples of acceptable explanations why a country cannot report biological data in the requested format (3 points, criterion 5b): (1) the country does not have a monitoring program for these Biological Quality Elements (BQEs), (2) the BQEs are not monitored every year, (3) biological metrics are not yet developed, (4) a WFD-compliant biological classification system is not developed.

Data flow EWN1: River quality (continued)



1. Reply to critical QA issues on previously reported data as specified in the 'Validation questions'; and
2. Delivery of river monitoring stations with coordinates (if not delivered in the past years); and
3. Delivery of data for at least one substance from each of the 5 preferred SoE nutrient groups; and
 - 4a. Delivery of hazardous substances data and especially from Preferred SoE Hazardous Substances list; or
 - 4b. Delivery of proxy pressures data for all reported monitoring stations (if not delivered in past years), and available time series for preferred SoE nutrients data are at least 5 years long if continuous, or 10 years long if broken; and
 - 5a. Delivery of biology data for at least one of the two river BQEs (phytobenthos and macroinvertebrates) in correct format: national Ecological Quality Ratio (EQR) values and associated information on national classification system which allows for calculation of normalised EQR values; or
 - 5b. An explanation for why biological data in correct format cannot be delivered.

In the case of missing most recent (2012) data, late data delivery, delivery in non-proper data format or structure and / or missing country feedback, the scoring is reduced from 3 to 2 points.



1. Delivery of river monitoring stations with coordinates (if not delivered in past years); and
2. Delivery of data for at least one substance from not less than 3 of the 5 preferred SoE nutrient groups.

In the case of late data delivery, delivery in non-proper data format or structure and/or missing country feedback, the scoring is reduced from 2 to 1 point.



Delivery can be used, but does not meet the above mentioned requirements for a higher score.



No data delivery under WISE-SoE data collection 2013, no communication, or data could not be processed because it was not delivered in the requested format or did not follow the basic quality criteria or was delivered after the data processing period.

European datasets [Waterbase data](#) published through EEA data service

Related indicators [EEA core set of indicators](#):

- CSI 019 Oxygen consuming substances in rivers
- CSI 020 Nutrients in freshwater

Other [water indicators](#) on EEA website.

Data flow EWN2: Lake quality



7 countries with a score of 3 points: Belgium, Bulgaria, Croatia, Ireland, Latvia, Slovakia, Sweden

26 countries with a score of 2 points: Albania, Austria, Bosnia and Herzegovina, Cyprus, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Iceland, Italy, Kosovo under UNSCR 1244/99, Lithuania, Montenegro, Norway, Poland, Portugal, Romania, Serbia, Slovenia, Spain, Switzerland, Turkey, United Kingdom

2 countries with a score of 1 point: Malta, Netherlands

1 country did not meet the minimum criteria: Hungary

This data flow is not applicable (N/A) to 3 countries: Czech Republic, Liechtenstein, Luxembourg

Detailed criteria for scoring

Scoring criteria are based on data deliveries for the current year and focus on the provision of quality data for preferred SoE nutrients and physical characteristics of monitoring stations. Further criteria, important for achieving the maximum score, are the timeliness of the delivery, the provision of hazardous substances data, long time series of quality data for substances from 5 preferred SoE nutrient groups – 1. *BOD5/BOD7/Dissolved Organic Carbon*, 2. *Total Ammonium/Ammonium*, 3. *Total Phosphorus*, 4. *Orthophosphate*, 5. *Nitrate/Total Oxidised Nitrogen* – and data on proxy pressures and the response of a country to data validation questions.

Examples of acceptable explanations why a country cannot report biological data in the requested format (3 points, criterion 5b): (1) the country does not have a monitoring program for these Biological Quality Elements (BQEs), (2) the BQEs are not monitored every year, (3) biological metrics are not yet developed, (4) a WFD-compliant biological classification system is not developed.

Data flow EWN2: Lake quality (continued)



1. Reply to critical QA issues on previously reported data as specified in the 'Validation questions'; and
2. Delivery of lake monitoring stations with coordinates (if not delivered in the past years); and
3. Delivery of data for at least one substance from each of the 5 preferred SoE nutrient groups; and
 - 4a. Delivery of hazardous substances data and especially from Preferred SoE Hazardous Substances list; or
 - 4b. Delivery of proxy pressures data for all reported monitoring stations (if not delivered in past years), and available time series for preferred SoE nutrients data are at least 5 years long if continuous, or 10 years long if broken; and
 - 5a. Delivery of biology data for at least one of the two lake BQEs (phytoplankton and macrophytes) in correct format: national Ecological Quality Ratio (EQR) values and associated information on national classification system which allows for calculation of normalised EQR values and/or values for original-scale metrics defined in codelist (Chlorophyll-a, etc.); or
 - 5b. An explanation for why biological data in correct format cannot be delivered.

In the case of missing most recent (2012) data, late data delivery, delivery in non-proper data format or structure and / or missing country feedback, the scoring is reduced from 3 to 2 points.



1. Delivery of lake monitoring stations with coordinates (if not delivered in past years); and
2. Delivery of data for at least one substance from not less than 3 of the 5 preferred SoE nutrient groups.

In the case of late data delivery, delivery in non-proper data format or structure and/or missing country feedback, the scoring is reduced from 2 to 1 point.



Delivery can be used, but does not meet the above mentioned requirements for a higher score.

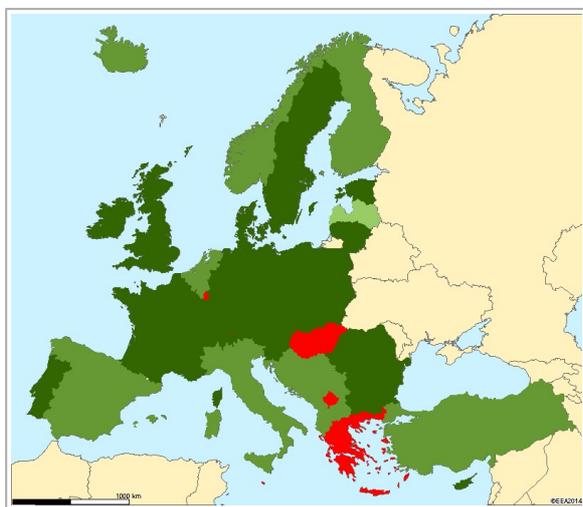


No data delivery under WISE-SoE data collection 2013, no communication, or data could not be processed because it was not delivered in the requested format or did not follow the basic quality criteria or was delivered after the data processing period.

European datasets [Waterbase data](#) published through EEA data service

Related indicators [EEA core set of indicators](#): CSI 20 Nutrients in freshwater
Other [water indicators](#) on EEA website.

Data flow EWN3: Groundwater quality



- 18 countries with a score of 3 points: Austria, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, France, Germany, Ireland, Lithuania, Poland, Portugal, Romania, Slovakia, Slovenia, Sweden, Switzerland, United Kingdom
- 14 countries with a score of 2 points: Albania, Belgium, Bosnia and Herzegovina, Croatia, Finland, Former Yugoslav Republic of Macedonia, Iceland, Italy, Montenegro, Netherlands, Norway, Serbia, Spain, Turkey
- 1 country with a score of 1 point: Latvia
- 6 countries did not meet the minimum criteria: Greece, Hungary, Kosovo under UNSCR 1244/99, Liechtenstein, Luxembourg, Malta

Detailed criteria for scoring

Scoring criteria are based on data deliveries for the current year and the provision of quality data for a variety of determinands. A further criterion is the identification of groundwater bodies according to the criteria in the [Document No.3: WFD reporting on River Basin Management Plans: Guidance on reporting spatial data v3.0](#) and [Guidance No 22 – Updated WISE GIS guidance \(Nov. 2008\)](#).

Important for achieving the maximum score are the provision of disaggregated data of the 5 requested chemical substances or group of substances: 1. *Ammonium*, 2. *Nitrates*, 3. *Nitrites*, 4. *Dissolved Oxygen*, 5. *priority pesticides from Preferred SoE Hazardous Substances: Atrazine (most important), Lindane, Simazine* – and provision of GIS polygon data of groundwater bodies, provision of monitoring stations with coordinates and their link to groundwater bodies (if not delivered in past years). Link to groundwater bodies delineated according to the WFD Art. 5 and reported according to the WFD Art. 13 is mandatory for EU countries.

Data flow EWN3: Groundwater quality (continued)



1. Reply to critical QA issues on previously reported data as specified in the 'Validation questions'; and
2. At least 3 of the 5 requested chemical substances data reported in disaggregated structure; and
3. Monitoring stations with coordinates and their link to groundwater bodies (if not delivered in past years); and
4. GIS polygon data of groundwater bodies including the most important attribute fields mentioned in the methodology for GW body characteristics and the pressure table in the Data Dictionary (if not delivered up to now within WISE SoE reporting or WFD reporting).

In the case of missing most recent (2012) data, late data delivery, delivery in non-proper data format or structure and / or missing country feedback, the scoring is reduced from 3 to 2 points.



1. At least 2 of the 5 requested chemical substances data; and
 - 2a. If disaggregated data are reported, monitoring stations with coordinates and groundwater bodies including the most important attribute fields mentioned in the methodology for GW bodies table (if not delivered in the past years); or
 - 2b. If aggregated data are reported, groundwater bodies including the most important attribute fields mentioned in the methodology for the GW bodies table (aggregated data), (if not delivered in past years).

In the case of late data delivery, delivery in non-proper data format or structure and/or missing country feedback, the scoring is reduced from 2 to 1 point.



- 1a. Quality data for at least 1 out of the 5 requested chemical substances; or
- 1b. GIS polygon data of groundwater bodies (if not delivered in past years); or
- 1c. Groundwater monitoring stations (sampling sites) with coordinates (if not delivered in past years).

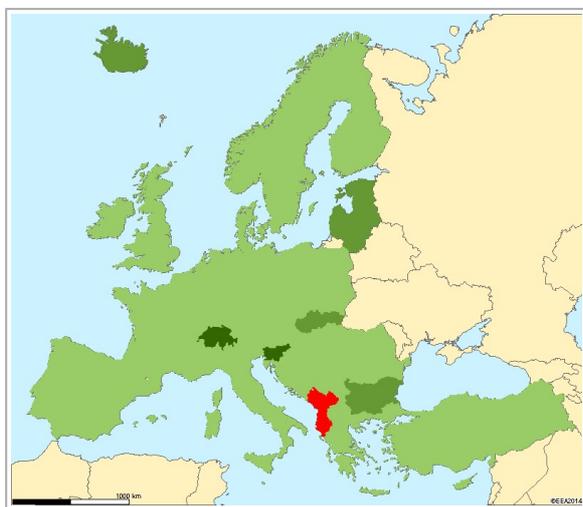


No data delivery under WISE-SoE data collection 2013, no communication; or data could not be processed because it was not delivered in the requested format or did not follow the basic quality criteria or was delivered after the data processing period.

European datasets [Waterbase data](#) published through EEA data service

Related indicators [EEA core set of indicators](#): CSI 020 Nutrients in freshwater
Other [water indicators](#) on EEA website.

Data flow EWN4: Water quantity



2 countries with a score of 3 points: Slovenia, Switzerland

6 countries with a score of 2 points: Bulgaria, Estonia, Iceland, Latvia, Lithuania, Slovakia

28 countries with a score of 1 point: Austria, Belgium, Bosnia and Herzegovina, Croatia, Cyprus, Czech Republic, Denmark, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Ireland, Italy, Liechtenstein, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Spain, Sweden, Turkey, United Kingdom

3 countries did not deliver data: Albania, Kosovo under UNSCR 1244/99, Montenegro

Detailed criteria for scoring

Scoring criteria are based on data deliveries for the current year. In order to receive a higher positive score (3 or 2 points) countries need to fulfil at least 2 requested minimum requirement criteria: criterion 1 plus one of the criteria 2 (2a, 2b or 2c) regarding the assessment of the reporting of regional parameters and point data.

Regional parameters are the parameters for the regional requested data (water balance, water abstraction, water use).

Point data are the individual measurements requested for stream flow, reservoir inflow/outflow, and groundwater level. All 4 sub-criteria need to be fulfilled to receive higher score for point data. The sub-criterion on available stations refers to a representative selection made by the country per RBD (river basin district) or SU (sub-unit) with reference to the reporting sheets for SoE data and information (Part 3, section 2) in the [guidance document](#). It is understood that some of the point data may not be available for reporting due to force-majeure (i.e. security purposes for reservoirs) and in such cases (when stated in the comments field) this will be considered accordingly.

Data flow EWN4: Water quantity (continued)



1. Timely data delivery to the national repository in the requested format, reported both regional and point parameters, country feedback to reported data issues; and
- 2a. 45 regional parameters reported at RBD or SU scale for 75% of the RBDs or SUs of the country, 50% in monthly scale; or
- 2b. Point data for 75% of the RBDs or SUs reported as follows:
- 50% of the available streamflow stations located in the RBD (or SU), 50% of the time series in daily scale, the remaining in monthly scale
 - 30% of the available groundwater wells located in the RBD (or SU), 50% of the time series in monthly scale, the remaining in seasonal or annual scale
 - 70% of the available reservoirs located in the RBD (or SU), 50% of the time series in monthly scale, the remaining in annual scale
 - total number of all available streamflow stations, groundwater wells and reservoirs located in the RBD (or SU), and reporting of their characteristic data (name, ID, coordinates etc. as included in the WQ reporting tool) for at least 75% of them
-



1. Timely data delivery to the national repository in the requested format, reported both regional and point parameters, country feedback to reported data issues; and
- 2a. 15 regional parameters reported at RBD or SU scale for 40% of the RBDs or SUs of the country, 50% in monthly scale; or
- 2b. 45 regional parameters reported at country level in monthly (preferable) or annual scale; or
- 2c. Point data for 40% of the RBDs or SUs reported as follows:
- 25% of the available streamflow stations located in the RBD (or SU), 50% of the time series in daily scale, the remaining in monthly scale
 - 15% of the available groundwater wells located in the RBD (or SU), 50% of the time series in monthly scale, the remaining in seasonal or annual scale
 - 35% of the available reservoirs located in the RBD (or SU), 50% of the time series in monthly scale, the remaining in annual scale
 - total number of all available streamflow stations, groundwater wells and reservoirs located in the RBD (or SU), and reporting of their characteristic data (name, ID, coordinates etc. as included in the WQ reporting tool) for at least 40% of them
-



- 1a. Delayed data delivery under WISE-SoE data collection 2013; or
- 1b. Timely delivery, but the delivered data do not meet the above mentioned requirements for higher score; or
- 1c. Relevant Water Quantity data reported via the Eurostat/OECD Joint Questionnaire on Inland Waters (Tables 1, 1aIF, 1aOF, 2.1, 2.2, 3.1, 3.2, Summary Table and 7)
-



No data delivery under WISE-SoE data collection 2013, no communication and no relevant Water Quantity data reported via the Eurostat/OECD Joint Questionnaire on Inland Waters.

European datasets [Waterbase data](#) published through EEA data service.

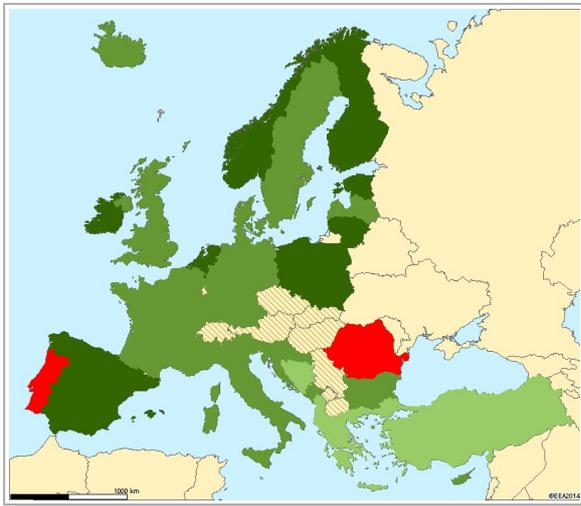
Related indicators [EEA core set of indicators](#):

- CSI 018 Use of freshwater resources
- WEI Water Exploitation Index

Other [water indicators](#) on EEA website.

Note: This data flow is not part of the formal set of Eionet priority data flows. The scores are provided for information only. They are not included in the overall assessment of country performance.

Data flow ME1: Marine data



-
- 8 countries with a score of 3 points: Estonia, Finland, Ireland, Lithuania, Netherlands, Norway, Poland, Spain

 - 14 countries with a score of 2 points: Belgium, Bulgaria, Croatia, Cyprus, Denmark, France, Germany, Iceland, Italy, Latvia, Montenegro, Slovenia, Sweden, United Kingdom

 - 5 countries with a score of 1 point: Albania, Bosnia and Herzegovina, Greece, Malta, Turkey

 - 2 countries did not meet the minimum criteria: Portugal, Romania

 - This data flow is not applicable (N/A) to 10 countries: Austria, Czech Republic, Former Yugoslav Republic of Macedonia, Hungary, Kosovo under UNSCR 1244/99, Liechtenstein, Luxembourg, Serbia, Slovakia, Switzerland
-

Detailed criteria for scoring

Scoring criteria are based on data deliveries for the current year and focus on the provision of quality data for preferred SoE TCM nutrient determinand groups and preferred SoE TCM hazardous substances in biota. Further criteria, important for achieving the maximum score, is the response of a country to the data validation questions. Any data already submitted to the Marine Conventions need not be re-supplied. Countries are therefore asked to submit only missing or additional data.

Data flow ME1: Marine data (continued)



1. Reply to critical QA issues on previously reported data as specified in the 'Validation questions'; and
2. Delivery of data for at least one substance from each of the 5 preferred SoE TCM nutrient determinand groups: 1. *Chlorophyll-a*, 2. *Total Ammonium/Ammonium*, 3. *Total Phosphorus*, 4. *Orthophosphate*, 5. *Nitrate/Nitrite/Total Nitrogen*;
3. Delivery of data on hazardous substances in biota for substances from the list of Preferred SoE TCM Hazardous Substances;
4. Delivery of stations data with coordinates (if not delivered in the past years).

In the case of missing most recent (2012) data, late data delivery, delivery in non-proper data format or structure and / or missing country feedback, the scoring is reduced from 3 to 2 points.



Delivery of data on *either* at least one substance from each of the 5 preferred SoE TCM nutrient determinand groups listed above, *or* on hazardous substances in biota for substances from the list of preferred SoE TCM Hazardous Substances.

In the case of late data delivery, delivery in non-proper data format or structure and/or missing country feedback, the scoring is reduced from 2 to 1 point.



Delivery can be used, but does not meet the above mentioned requirements for a higher score.



No data delivery under WISE SoE collection 2013, no communication, or data could not be processed because it was not delivered in the requested format or did not follow the basic quality criteria or was delivered after the data processing period.

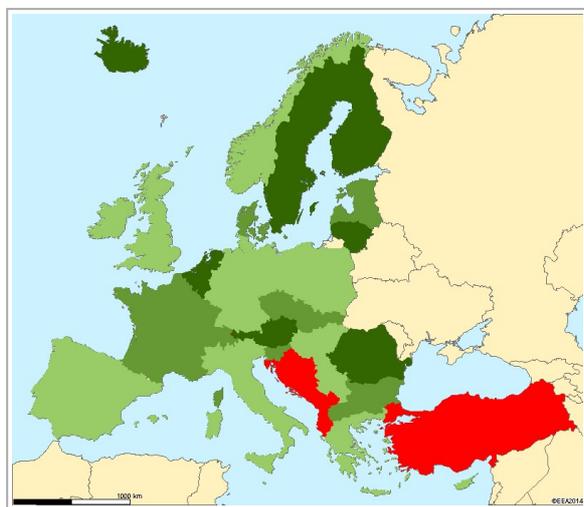
European datasets [Waterbase data](#) published through EEA data service

Related indicators [EEA core set of indicators](#):

- CSI 021 Nutrients in transitional, coastal and marine waters
- CSI 023 Chlorophyll in transitional, coastal and marine waters

Other [coast and seas indicators](#) on EEA website.

Data flow WISE1: Emissions to water



-
- 8 countries with a score of 3 points: Austria, Belgium, Finland, Iceland, Lithuania, Netherlands, Romania, Sweden
-
- 10 countries with a score of 2 points: Bulgaria, Czech Republic, Denmark, Estonia, Former Yugoslav Republic of Macedonia, France, Latvia, Slovakia, Slovenia, Switzerland
-
- 14 countries with a score of 1 point: Cyprus, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, Malta, Norway, Poland, Portugal, Serbia, Spain, United Kingdom
-
- 7 countries did not meet the minimum criteria: Albania, Bosnia and Herzegovina, Croatia, Kosovo under UNSCR 1244/99, Liechtenstein, Montenegro, Turkey
-

Detailed criteria for scoring

Scoring criteria are based on data deliveries for the current year and the provision of data for a variety of sources and determinands. Important for achieving the maximum score is the provision of a more detailed source of emission data (if not delivered in past years).

Emission values already provided within E-PRTR does not have to be reported or indicated within SoE Emissions reporting once more.

Adding of data into the SoE Emissions database by data manager from other datasets either as replacement of negative codes provided by countries within SoE Emissions reporting (data from UWWTD, WFD, SoE Quantity or SoE TCM datasets) or by automatic addition of data of from E-PRTR is not taken into account for evaluation by 2 and 3 smileys.

Reported information "no change with regard to previous delivery" is acceptable. Two following years are allowed as maximum for point sources and five following years for diffuse sources; identical evaluation will be assigned for the whole period. However, if major changes have occurred, annual reporting especially for point sources and more often reporting for diffuse sources is requested.

Data flow WISE1: Emissions to water (continued)



1. At least two determinands for Nutrients and Organic Matter Emission Discharges from Point Sources; and
2. At least two determinands for hazardous substances Emission Discharges from Point Sources; and
3. At least one determinand for any substance from Diffuse Sources (if not delivered in previous years)

In the case of late data delivery, delivery in non-proper data format or structure and / or missing country feedback, the scoring is reduced from 3 to 2 points.



- 1a. At least two determinands for Nutrients and Organic Matter Emission Discharges from Point Sources; or
- 1b. At least two determinands for hazardous substances Emission Discharges from Point Sources; or
- 1c. At least one determinand for any substance from Diffuse Sources (if not delivered in previous years)

In the case of late data delivery, delivery in non-proper data format or structure and / or missing country feedback, the scoring is reduced from 2 to 1 point.



- 1a. SoE Emissions data delivery not sufficient for 2 points scoring; or
 - 1b. Emission values already provided by a country within E-PRTR.
-

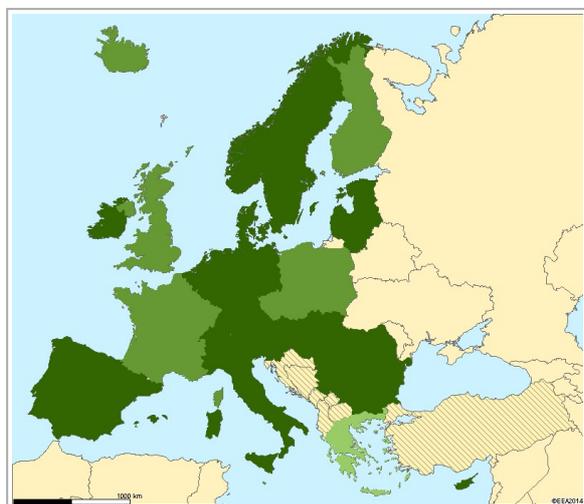


No data delivery under WISE-SoE data collection 2013, no communication or no sufficient emission data available for transfer from other reporting at EU level.

European datasets [Waterbase data](#) published through EEA data service

Note: This data flow is not part of the formal set of Eionet priority data flows. The scores are provided for information only. They are not included in the overall assessment of country performance.

Data flow E-PRTR1: European Pollutant Release and Transfer Register



23 countries with a score of 3 points: Austria, Belgium, Bulgaria, Cyprus, Denmark, Estonia, Germany, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Netherlands, Norway, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland

8 countries with a score of 2 points: Czech Republic, Finland, France, Iceland, Liechtenstein, Malta, Poland, United Kingdom

1 country with a score of 1 point: Greece

No country in this category

7 countries did not actively participate in this data flow: Albania, Bosnia and Herzegovina, Croatia, Former Yugoslav Republic of Macedonia, Kosovo under UNSCR 1244/99, Montenegro, Turkey

Detailed criteria for scoring

The criteria are based on the timeliness, use of requested reporting format and availability of assessment of completeness [in the template provided](#).



E-PRTR data available in CDR by 31 March 2014 in the specified XML format accompanied by an assessment of completeness for the data delivered: Activities, substances, releases and/or transfers, list of facilities not yet included.



E-PRTR data delivered in time (by 31 March 2014) in the specified XML format.



E-PRTR data delivered but not satisfying criteria for timeliness or reporting format.

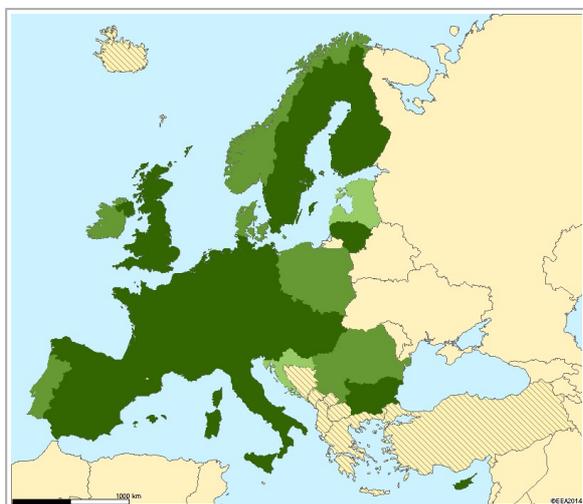


No E-PRTR data delivered.

European datasets European Pollutant Release and Transfer Register (E-PRTR) published through [EEA data service](#).
European Pollutant Release and Transfer Register (E-PRTR) [viewer](#).

Note: *Data delivery* has been defined as the first dataset released on CDR which has successfully passed the mandatory compliance checks.

Data flow NRT03: Near real-time ozone data



- 20 countries with a score of 3 points: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Finland, France, Germany, Hungary, Italy, Liechtenstein, Lithuania, Luxembourg, Netherlands, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom

- 7 countries with a score of 2 points: Denmark, Ireland, Norway, Poland, Portugal, Romania, Serbia

- 3 countries with a score of 1 point: Croatia, Estonia, Latvia

- No country in this category

- 9 countries did not actively participate in this data flow: Albania, Bosnia and Herzegovina, Former Yugoslav Republic of Macedonia, Greece, Iceland, Kosovo under UNSCR 1244/99, Malta, Montenegro, Turkey

Detailed criteria for scoring

Scoring is based on provision of near real-time ozone data to EEA during the summer ozone season from April 1 to September 30 of the current year. The scoring criteria relate to participation in the near real-time data exchange, density of data provision and reliability.

This is the last evaluation for this air quality data flow. The next data flow report will present a new set of air quality data flows, according to the recently established e-Reporting for air quality, under Directives 2004/107/EC and 2008/50/EC.



The number of active ozone measurement stations signed up in a country provide an overall statistical data coverage of 1/10000 km². In addition, the overall reliability of the stations should be greater than 80 % in the ozone season.



The number of active ozone measurement stations signed up in a country provide an overall statistical data coverage of 1/10000 km². In addition, the overall reliability of the stations should be greater than 60 % in the ozone season.



At least one provider signed up from a country, data exchange set up and EEA records receipt of some data for active ozone measurement stations with EoI codes.



Criteria not applied for this data flow.

Regular products Near real-time ozone data are published on the [EEA web site](#)

Note: This data flow is not part of the formal set of Eionet priority data flows. The scores are provided for information only. They are not included in the overall assessment of country performance.

Table 2.1 Data flow analysis for Albania

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			No information available in CDR on 02 April 2014.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			No information available in CDR (08 May 2014).
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. Active stations monitoring PM ₁₀ plus monitoring of smaller particulates.
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2013 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata not available: EoI code not provided for existing stations.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 12%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 34% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register	N/A	N/A	Country did not participate in this data flow.

Table 2.1 Data flow analysis for Albania (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Feedback to reported issues provided. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data not delivered. Proxy pressures data provided. Only short time series on preferred SoE nutrients available. Biology data not delivered without explanation.
EWN2: Lake quality			Data delivered on time and in the requested format. Reply to critical QA issues on previously reported data received. Monitoring stations with coordinates provided. Data on 4 preferred SoE nutrient delivered. Hazardous substances data not delivered. Proxy pressures data provided. Only broken short time series on preferred SoE nutrients available. Biology data not delivered without explanation.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for 3 of the 5 requested chemical substances provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. List of GW bodies with most important attribute data provided. GIS data missing.
EWN4: Water quantity ⁽¹⁾			No data delivery under WISE-SoE data collection 2013.
ME1: Marine data			Data delivered on time. Data provided on: 4 preferred nutrients in seawater, station characteristics and flux stations.
NRTO3: Near real-time ozone data ⁽¹⁾	N/A	N/A	Country did not participate in this data flow.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2013.

⁽¹⁾ The scores are provided for information only.

Table 2.2 Data flow analysis for Austria

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data			Data delivered on time for years from 1990 to 2012. Requested format used. National inventory report provided.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided but in zip file so automatic QA cannot run.
AE2b: EU GHG data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided but in zip file so automatic QA does not run. National inventory report provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants, however reported as in air+aerosol or aerosol instead of the PM10 fraction.
AQ2: Air quality questionnaire			Questionnaire delivered within time frame in CDR (9 October 2013). Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 19 zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 100% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report provided.

Table 2.2 Data flow analysis for Austria (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Feedback to reported issues provided. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided for all stations. Long time series on preferred SoE nutrients available. Biology data not delivered without explanation.
EWN2: Lake quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. Data on 4 preferred SoE nutrient delivered. Hazardous substances data not delivered. Proxy pressures data not provided for all stations. Some long time series on preferred SoE nutrients available. Biology data not delivered without explanation.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for all 5 requested chemical substances provided, aggregated by determinand, station and year (not as raw disagg. data). Monitoring sites with coordinates and links to GW bodies provided. GIS data for GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Reported both regional and point data. Reported: 2 regional parameters at SU level for all (8) SUs all of which in monthly scale. Reported point data in all SUs (100%); for all SUs, 4% of the available streamflow stations of which 100% of time series in daily scale, 4% of the available groundwater wells of which 100% of time series in monthly scale and no reporting of time series for reservoirs.
ME1: Marine data	N/A	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage of active stations and highly reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			Data delivered on time. Emission discharges from point sources are provided for 5 nutrients or organic matter determinands and 7 hazardous substances. Emission discharges from diffuse sources are provided for 2 determinands. 2 determinands from diffuse sources reported in past years.

⁽¹⁾ The scores are provided for information only.

Table 2.3 Data flow analysis for Belgium

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data			Data delivered with delay (14 January 2014).
AE2: UNFCCC data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided.
AE2b: EU GHG data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided. National inventory report has been provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. Data provided for 4 th Daughter Directive pollutants, however for the BaP reported as in air+aerosol or aerosol instead of the PM10 fraction.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 22 zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year. Boundary information provided as GIS files (in the AQQ 2010).
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 80%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 79% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.3 Data flow analysis for Belgium (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Feedback to reported issues provided. Reply to critical QA issues on previously reported data received. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided for all stations. Long time series on preferred SoE nutrients available. Biology data not delivered but explanation provided.
EWN2: Lake quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided. Some long time series on preferred SoE nutrients available. Biology data not delivered but explanation provided.
EWN3: Groundwater quality			Data delivered on time for both regions. Delivery in the requested format. Data for all 5 requested chemical substances provided but only 2 in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data for GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Reported both regional and point data. Reported: 91 regional parameters at RBD level for 29% of RBDs and point data for 86% of the RBDs.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in sediment and seawater, 5 preferred nutrients in seawater, pressures, station characteristics and flux stations.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage of active stations and highly reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			Data delivered on time. Emission discharges from point sources are provided for 6 nutrients or organic matter determinands and 55 hazardous substances. Emission discharges from diffuse sources are provided for 7 determinands. 9 determinands from diffuse sources reported in past years.

⁽¹⁾ The scores are provided for information only.

Table 2.4 Data flow analysis for Bosnia and Herzegovina

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			No information available in CDR on 02 April 2014.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			No information available in CDR (08 May 2014).
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			No data delivered (22 January 2014).
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2013 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			No information in Central data repository by 22 November 2013.
CDDA1: Designated areas			No delivered under CDDA 2014 data collection.
E-PRTR1: European Pollutant Release and Transfer Register	N/A	N/A	Country did not participate in this data flow.

Table 2.4 Data flow analysis for Bosnia and Herzegovina (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided. Long time series on preferred SoE nutrients available. Biology data not delivered without explanation.
EWN2: Lake quality			Data delivered on time and in the requested format. No reply to critical QA issues on previously reported data. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided for all stations. Only broken short time series on preferred SoE nutrients available. Biology data not delivered without explanation.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for 3 of 5 requested chemical substances provided, all in disaggregated form. Monitoring sites reported in 2009 are still missing coordinates. List of GW bodies provided. GIS data missing. No reply to critical QA issues on previously reported data.
EWN4: Water quantity ⁽¹⁾			Data delivered on time.
ME1: Marine data			Data delivered on time. Data provided on: riverine inputs, station characteristics and flux stations.
NRTO3: Near real-time ozone data ⁽¹⁾	N/A	N/A	Country did not participate in this data flow.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2013.

⁽¹⁾ The scores are provided for information only.

Table 2.5 Data flow analysis for Bulgaria

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Partial time series SO ₂ , NO _x , CO, NMVOC, NH ₃ and PM ₁₀ with only year 2012 provided.
AE1b: NEC data			Data delivered on time for years 2011 and 2012. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided but in zip file so automatic QA cannot run.
AE2b: EU GHG data			Full time series (1988-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided. National inventory report has been provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants, however reported as in air+aerosol or aerosol instead of the PM ₁₀ fraction.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the six zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. No declaration provided as to whether boundary information has changed from previous year. Boundary information provided as GIS files (in the AQQ 2007).
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 97% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.5 Data flow analysis for Bulgaria (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Feedback to reported issues provided. Reply to critical QA issues on previously reported data received. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided. Short time series on preferred SoE nutrients available. Biology data delivered.
EWN2: Lake quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided for all stations. Some long time series on preferred SoE nutrients available. Biology data delivered.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for all 5 requested chemical substances provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data for GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Reported both regional and point data. Reported: 31 regional parameters at RBD level for 100% of RBDs of which 100% in monthly scale; Point data for all RBDs of the country in monthly and annual scale. 14% of the provided streamflow time series are in daily scale.
ME1: Marine data			Data delivered on time. Data provided on: 5 preferred nutrients in seawater, direct discharge and station characteristics.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage of active stations and highly reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			Data delivered on time. Emission discharges from point sources are provided for 3 nutrients or organic matter determinands and 9 hazardous substances. Emission discharges from diffuse sources are not provided.

⁽¹⁾ The scores are provided for information only.

Table 2.6 Data flow analysis for Croatia

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data	N/A		Data delivered on time for years 1990 to 2012. Requested format used. National inventory report provided.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time to UNFCCC and in CDR under the EU monitoring mechanism folder. CRF XML format provided but in zip file so automatic QA cannot run.
AE2b: EU GHG data	N/A		Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided but in zip file so automatic QA does not run. National inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ .
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2013 data flow is voluntary for Croatia (it refers to 2012 data).
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 100% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register	N/A	N/A	Country did not participate in this data flow.

Table 2.6 Data flow analysis for Croatia (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided. Long time series on preferred SoE nutrients available. Biology data not delivered but explanation provided.
EWN2: Lake quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided. Long time series on preferred SoE nutrients available. Biology data not delivered but explanation provided.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for all 5 requested chemical substances provided, all in disaggregated form. Coordinates of monitoring sites not reported because access to this information is restricted for security reasons. List of GW bodies with most important attributes data provided. GIS data missing.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Did not report any regional data. Did not report the total number of available stations.
ME1: Marine data			Data delivered on time. Data provided on: 5 preferred nutrients in seawater, riverine inputs, station characteristics and flux stations.
NRTO3: Near real-time ozone data ⁽¹⁾			Reliable data provision during the ozone season but only two stations are reporting so spatial coverage is still low.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2013.

⁽¹⁾ The scores are provided for information only.

Table 2.7 Data flow analysis for Cyprus

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Partial time series SO ₂ , NO _x , CO, NMVOC, NH ₃ and PM ₁₀ (2008-2012).
AE1b: NEC data			Data delivered on time for years 2011 and 2012 (re-submission the 22 January 2014). Requested format used. National inventory report not provided.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time to UNFCCC. Uploaded with some delay to CDR (05 May 2014). CRF XML format provided.
AE2b: EU GHG data			GHG data delivered with delay (19 January 2014).
AQ1: EoI data			Data delivered with delay (15 November 2013). Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Lead reported as aerosol instead as a fraction of PM ₁₀ . Data provided for 4 th Daughter Directive pollutants, however for the HM reported as in aerosol instead of the PM ₁₀ fraction.
AQ2: Air quality questionnaire			Questionnaire delivered in CDR with delay (15 November 2013). Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the zone listed in Form 2. Information provided for 4 th Daughter Directive pollutants. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Agglomeration listed in Form 2 again covers whole national territory.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered with a delay (14 November 2013). Requested metadata provided.
CDDA1: Designated areas			No delivered under CDDA 2014 data collection.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.7 Data flow analysis for Cyprus (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. No feedback to reported issues. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided only on population density. Some long but broken time series on preferred SoE nutrients available. Biology data delivered.
EWN2: Lake quality			Data delivered on time and in the requested format. No reply to critical QA issues on previously reported data. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided for all stations. Long time series on preferred SoE nutrients available. Biology data delivered.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for 4 of the 5 requested chemical substances provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data for GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Reported both regional and point data. Did not report the total number of available stations. Reported: 16 regional parameters at RBD level covering the whole country, 4 of which in the requested monthly scale; data for 15 streamflow stations, 55 groundwater wells and 17 reservoirs.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in biota (preferred substances) and seawater, 4 preferred nutrients in seawater and station characteristics.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage of active stations and highly reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2013, data from E-PRTR inserted.

⁽¹⁾ The scores are provided for information only.

Table 2.8 Data flow analysis for the Czech Republic

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delayed delivery in national server (27 February 2014). Partial time series SO ₂ , NO _x , CO, NMVOC, NH ₃ and PM ₁₀ with only year 2012 provided.
AE1b: NEC data			Data delivered on time for years 2011 and 2012. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided but in zip file so automatic QA cannot run.
AE2b: EU GHG data			Data delivered on time to CDR. Full time series (1990-2012) delivered for all gases in the criteria. CRF XML format provided but in zip file so automatic QA does not run. National inventory report has been provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants, however reported as in air+aerosol or aerosol instead of the PM ₁₀ fraction.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 10 zones and agglomerations listed in Form 2. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has changed from previous year (number of zones has been changed). Information on GIS boundaries for zones and agglomerations listed in Form 2 provided in CDR.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 100% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report for 2012 data is missing.

Table 2.8 Data flow analysis for the Czech Republic (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			No data delivery under WISE SoE data collection 2013.
EWN2: Lake quality	N/A	N/A	Country does not have any relevant lake.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for all 5 requested chemical substances provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data for GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Reported data relevant to Water Quantity in EUROSTAT/OECD JQ 2012.
ME1: Marine data	N/A	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage of active stations and highly reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			Data delivered on time. Emission discharges from point sources are provided for 3 nutrients or organic matter determinands and no hazardous substances. Emission discharges from diffuse sources are not provided. 2 determinands from diffuse sources reported in past years.

⁽¹⁾ The scores are provided for information only.

Table 2.9 Data flow analysis for Denmark

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data			Data delivered on time for years 1990 to 2012. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Separate time series provided for different geographical coverages.
AE2b: EU GHG data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided. National inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. About 30% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants, however for the HM reported as in aerosol instead of the PM10 fraction.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the three zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year.
AQ2b: Monthly and summer ozone data			Three monthly reports for 2013 provided on time in CDR. There were delays for June (4 September) and July (4 September). No information provided for September. Full summer report delivered with delay (14 November). Requested metadata has been provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 98% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.9 Data flow analysis for Denmark (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. Data on 4 preferred SoE nutrients delivered. Hazardous substances data not delivered. Proxy pressures data provided. Long time series on preferred SoE nutrients available. Biology data not delivered without explanation.
EWN2: Lake quality			Data delivered with a slight delay (5 Nov 2013) and in the requested format. Monitoring stations with coordinates provided. Data on 4 preferred SoE nutrient delivered. Hazardous substances data not delivered. Proxy pressures data not provided for all stations. Long time series on preferred SoE nutrients available. Biology data delivered.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for all 5 requested chemical substances provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data for GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Reported both regional and point data. Reported total number only of available wells per SU/RBD. Reported: 21 regional parameters at country level and data for 429 wells. The number of reported available stations per RBD/SU has to be updated.
ME1: Marine data			Data made available through ICES. Data provided on: hazardous substances in biota (preferred substances) and sediment and station characteristics.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage and reliable data provision during the ozone season, however the overall reliability below 80%.
WISE1: Emissions to water ⁽¹⁾			Data delivered on time. Emission discharges from point sources are provided for 2 nutrients or organic matter determinands and no hazardous substances. Emission discharges from diffuse sources are provided for 2 determinands. 2 determinands from diffuse sources reported in past years.

⁽¹⁾ The scores are provided for information only.

Table 2.10 Data flow analysis for Estonia

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data			Data delivered on time for years 1990 to 2012. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Delivery on time to UNFCCC but only released on CDR on 06 May 2014, under the EU monitoring mechanism folder.
AE2b: EU GHG data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided. National inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants, however for the HM reported as in aerosol instead of the PM ₁₀ fraction.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the four zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year. Boundary information is still provided as lists of coordinates rather than as GIS files or as administrative units.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided. Delivery of summer report is in the wrong folder so the reporting obligation on the relevant envelope has been updated manually so that the delivery appears in search results.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 75% (for the rest the provision is officially restricted); size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 100% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.10 Data flow analysis for Estonia (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided. Some long time series on preferred SoE nutrients available. Biology data delivered.
EWN2: Lake quality			Data delivered on time and in the requested format. No reply to critical QA issues on previously reported data. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided for all stations. Long time series on preferred SoE nutrients available. Biology data delivered.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for 4 of the 5 requested chemical substances provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data for GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Reported both regional and point data. Did not report the total number of available stations. Reported: 40 regional parameters at RBD level in monthly time scale for all RBDs of the country; data for 53 streamflow stations and 241 wells.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in biota (preferred substances) and sediment, 5 preferred nutrients in seawater, riverine inputs, direct discharge and station characteristics.
NRTO3: Near real-time ozone data ⁽¹⁾			Highly reliable data provision during the ozone season but only two stations are reporting so spatial coverage is still low.
WISE1: Emissions to water ⁽¹⁾			Data delivered on time. Emission discharges from point sources are provided for 5 nutrients or organic matter determinands and 13 hazardous substances. Emission discharges from diffuse sources are not provided.

⁽¹⁾ The scores are provided for information only.

Table 2.11 Data flow analysis for Finland

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data			Data delivered on time for years 1980 to 2012. Requested format used. National inventory report provided.
AE2: UNFCCC data			Full time series (1990-2012) for all gases in the criteria delivered on time in CDR under the EU monitoring mechanism folder. CRF XML format provided but in zip file so automatic QA cannot run.
AE2b: EU GHG data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided. National inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 18 zones and agglomerations listed in Form 2. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from the previous year. Information on boundaries for all zones and agglomerations listed in Form 2 provided as LAU2 codes.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Slightly delayed delivery (19 Mar. 2014) Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 100% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report not provided.

Table 2.11 Data flow analysis for Finland (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Feedback to reported issues provided. Reply to critical QA issues on previously reported data received. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided. Some long time series on preferred SoE nutrients available. Biology data not delivered without explanation.
EWN2: Lake quality			Data delivered on time and in the requested format. Reply to critical QA issues on previously reported data received. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided for all stations. Long time series on preferred SoE nutrients available. Biology data not delivered without explanation.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for 4 of the 5 requested chemical substances provided but only in aggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data for GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Reported both regional and point data. Did not report the total number of available stations. Reported: 8 regional parameters at country level; data for 80 streamflow stations.
ME1: Marine data			Data made available through ICES. Data provided on: hazardous substances in biota (preferred substances), 5 preferred nutrients in seawater and station characteristics.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory (as for this specific case) spatial coverage of active stations and highly reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			Data delivered on time. Emission discharges from point sources are provided for 5 nutrients or organic matter determinands and 13 hazardous substances. Emission discharges from diffuse sources are not provided. 2 determinands from diffuse sources reported in past years (2009).

⁽¹⁾ The scores are provided for information only.

Table 2.12 Data flow analysis for the Former Yugoslav Republic of Macedonia

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Partial time series SO ₂ (1980, 1990 and 2012), NO _x (1987, 1990 and 2012), NMVOC (1988, 1990 and 2012), NH ₃ , CO, PM ₁₀ (1990 and 2012).
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Partial time series delivered on time to CDR, no XML format available.
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. Data on particulate matter available for 2012. About 25% active stations monitoring PM ₁₀ .
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2013 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Summer report delivered on time. Requested metadata provided for nearly all stations.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 90%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 100% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register	N/A	N/A	Country did not participate in this data flow.

Table 2.12 Data flow analysis for the Former Yugoslav Republic of Macedonia

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. No feedback to reported issues. Monitoring stations with coordinates provided. Data on 4 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided. Short time series on preferred SoE nutrients available. Biology data not delivered but explanation provided.
EWN2: Lake quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. Data on 3 preferred SoE nutrient delivered. Hazardous substances data not delivered. Proxy pressures data not provided. Some long time series on preferred SoE nutrients available. Biology data delivered.
EWN3: Groundwater quality			Data delivered on time and in the requested format. 3 of 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. List of GW bodies with most important attributes data provided. GIS data missing.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Reported both regional and point data. Did not report the total number of available stations. Reported 40 regional parameters at annual time scale and point data for 7 streamflow stations, 9 wells and 16 reservoirs.
ME1: Marine data	N/A	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data ⁽¹⁾	N/A	N/A	Country did not participate in this data flow.
WISE1: Emissions to water ⁽¹⁾			Data delivered on time. Emission discharges from point sources are provided for 3 nutrients or organic matter determinands and 4 hazardous substances. Emission discharges from diffuse sources are not provided.

⁽¹⁾ The scores are provided for information only.

Table 2.13 Data flow analysis for France

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data			Data delivered on time for years 1980 to 2012. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Full time series (1990-2012) for all gases in the criteria delivered on time in CDR under the EU monitoring mechanism folder. CRF XML format provided but in zip file so automatic QA cannot run.
AE2b: EU GHG data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided. National inventory report provided.
AQ1: EoI data			Data delivered with delay (23 October 2013). Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 76 zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year. Boundary information provided as GIS files.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 100% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report not provided.

Table 2.13 Data flow analysis for France (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered with a substantial delay (25 Feb 2014) and in the requested format. Reply to critical QA issues on previously reported data received. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided. Long time series on preferred SoE nutrients available. Biology data not delivered but explanation provided.
EWN2: Lake quality			Data delivered with a substantial delay (11 Mar 2014) and in the requested format. Reply to critical QA issues on previously reported data received. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided. Long time series on preferred SoE nutrients available. Biology data not delivered but explanation provided.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for all 5 requested chemical substances provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data for GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Reported both regional and point data. Did not report the total number of available stations. Reported: 18 regional parameters at RBD level covering 69% of all RBDs but only 20% of the requested time series in monthly scale; 3 parameters at country level; data for 631 streamflow stations in daily scale.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in biota (preferred substances) and sediment, 3 preferred nutrients in seawater and station characteristics.
NRT03: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage of active stations and highly reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			No new delivery in 2013. 2 determinands from diffuse sources reported in past years (2009).

⁽¹⁾ The scores are provided for information only.

Table 2.14 Data flow analysis for Germany

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data			Data delivered on time for years 1990 to 2012. Requested format used. National inventory report provided.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided.
AE2b: EU GHG data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided. National inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 110 zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year. Information on GIS boundaries for zones and agglomerations listed in Form 2 provided in CDR.
AQ2b: Monthly and summer ozone data			Five monthly reports for 2013 provided on time. Summer report delivered on time. Requested metadata provided. No information on the number of valid measurements for the summer period provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 100% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Information on facilities not transmitted with the report provided.

Table 2.14 Data flow analysis for Germany (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Feedback to reported issues provided. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided for all stations. Some long time series on preferred SoE nutrients available. Biology data delivered.
EWN2: Lake quality			Data delivered on time and in the requested format. No reply to critical QA issues on previously reported data. Monitoring stations with coordinates provided. Data on 4 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided for all stations. Long time series on preferred SoE nutrients available. Biology data delivered.
EWN3: Groundwater quality			Data delivered on time and in the requested format but with many formal errors. Data for all 5 requested chemical substances provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data for GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Late delivery (5 Feb 2014) of groundwater data not in the requested format. Reported data relevant to Water Quantity in EUROSTAT/OECD JQ 2012.
ME1: Marine data			Data made available through ICES. Data provided on: hazardous substances in sediment and seawater, 5 preferred nutrients in seawater and station characteristics.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage of active stations and highly reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2013, data from E-PRTR inserted.

⁽¹⁾ The scores are provided for information only.

Table 2.15 Data flow analysis for Greece

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delayed delivery in CDR (27 February 2014). Partial time series SO ₂ , NO _x , CO, NMVOC, NH ₃ and PM ₁₀ with only years 2011 and 2012 provided. No data provided for PM ₁₀ .
AE1b: NEC data			Data delivered with delay (16 January 2014).
AE2: UNFCCC data			Full time series (1990-2012) delivered on time to UNFCCC but with a slight delay to CDR (16 April 2014). CRF XML format provided.
AE2b: EU GHG data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided but in zip file so automatic QA does not run. National inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants, however reported as in air+aerosol or aerosol instead of the PM ₁₀ fraction and with BaP missing.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the four zones and agglomerations listed in Form 2. Information available for 4 th Daughter Directive in Form 8 but not specified in Form 2. EoI codes provided in Forms 3 and 4 for stations used in the assessment. One station with incorrect code. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year. Boundary information provided as GIS files (in the AQQ 2004).
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 100% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivered to CDR with delay (14 April 2014). Data in specified xml format. Completeness report available.

Table 2.15 Data flow analysis for Greece (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			No data delivery under WISE SoE data collection 2013.
EWN2: Lake quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. Data on 3 preferred SoE nutrient delivered. Hazardous substances data not delivered. Proxy pressures data not provided. Some long time series on preferred SoE nutrients available. Biology data delivered.
EWN3: Groundwater quality			No data delivery under WISE-SoE data collection 2013.
EWN4: Water quantity ⁽¹⁾			Reported data relevant to Water Quantity in EUROSTAT/OECD JQ 2012.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in seawater, 4 preferred nutrients in seawater, pressures and station characteristics.
NRT03: Near real-time ozone data ⁽¹⁾	N/A	N/A	Greece did not participate in this data flow in the 2012 ozone season.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2013, data from E-PRTR inserted.

⁽¹⁾ The scores are provided for information only.

Table 2.16 Data flow analysis for Hungary

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delayed delivery in CDR (18 February 2014). Partial time series SO ₂ , NO _x , CO, NMVOC, NH ₃ and PM ₁₀ with only year 2012 provided.
AE1b: NEC data			Data delivered with delay (10 January 2014).
AE2: UNFCCC data			Full time series (1990-2012) delivered on time to UNFCCC, but uploaded with delay to CDR (05 May 2014) under the EU monitoring mechanism folder. CRF XML format provided.
AE2b: EU GHG data			Data delivered with delay (24 January 2014).
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. No information about lead provided. Data provided for 4 th Daughter Directive pollutants, however for the HM reported as in aerosol instead of the PM ₁₀ fraction.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 10 zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delayed delivery (15 Apr. 2014) Percentage of sites with required attributes: centre coordinates: 98%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 79% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.16 Data flow analysis for Hungary (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			No data delivery under WISE SoE data collection 2013.
EWN2: Lake quality			No data delivery under WISE SoE data collection 2013.
EWN3: Groundwater quality			No data delivery under WISE-SoE data collection 2013.
EWN4: Water quantity ⁽¹⁾			Reported data relevant to Water Quantity in EUROSTAT/OECD JQ 2012.
ME1: Marine data	N/A	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage of active stations and highly reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2013, data from E-PRTR inserted.

⁽¹⁾ The scores are provided for information only.

Table 2.17 Data flow analysis for Iceland

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delayed delivery in CDR (28 May 2014).
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time to UNFCCC but with delay to CDR (23 April 2014). CRF XML format provided.
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			Data delivered with delay (19 November 2013). Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. No information provided about lead and 4 th Daughter Directive pollutants.
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2013 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			Two monthly reports for 2013 provided on time in CDR. Information was delayed for April (31 July), May (31 July) and July (30 September). No information provided for September. Summer report not delivered.
CDDA1: Designated areas			Delayed delivery (02 Apr. 2014) Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 100% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report not provided.

Table 2.17 Data flow analysis for Iceland (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. Data on 4 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided. Some long time series on preferred SoE nutrients available. Biology data not delivered without explanation.
EWN2: Lake quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. Data on 3 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided for all stations. Only broken short time series on preferred SoE nutrients available. Biology data delivered.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for 3 of the 5 requested chemical substances provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. List of GW bodies with most important attributes data provided. GIS data missing.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Reported both regional and point data. Did not report the total number of available stations. Reported: 41 regional parameters at RBD level for 100% of RBDs; 53% of the requested time series were in monthly scale; point data for 9 streamflow stations and 9 reservoirs.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in biota (preferred substances) and sediment and station characteristics.
NRTO3: Near real-time ozone data ⁽¹⁾	N/A	N/A	Iceland did not participate in this data flow in the 2012 ozone season.
WISE1: Emissions to water ⁽¹⁾			Data delivered on time. Emission discharges from point sources are provided for 2 nutrients or organic matter determinands and 4 hazardous substances. Emission discharges from diffuse sources are provided for 2 determinands. 2 determinands from diffuse sources reported in past years.

⁽¹⁾ The scores are provided for information only.

Table 2.18 Data flow analysis for Ireland

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data			Data delivered on time for years 1990 to 2012. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided.
AE2b: EU GHG data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided. National inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. About 40% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants, however reported as in air+aerosol or aerosol instead of the PM ₁₀ fraction and with arsenic missing.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the four zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration that zone definitions have not changed since previous delivery and boundary data has been provided in CDR.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 98%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 50% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.18 Data flow analysis for Ireland (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided. Long time series on preferred SoE nutrients available. Biology data delivered.
EWN2: Lake quality			Data delivered on time and in the requested format. Reply to critical QA issues on previously reported data received. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided for all stations. Long time series on preferred SoE nutrients available. Biology data delivered.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for 4 of 5 requested chemical substances provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data for GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Did not report any regional data. Reported: point data at RBD level for 88% of RBDs, in the timescales daily, monthly and annual.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in biota (preferred substances), sediment and seawater, 5 preferred nutrients in seawater, pressures, station characteristics and flux stations.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage and reliable data provision during the ozone season, however the overall reliability below 80%.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2013, data from E-PRTR inserted.

⁽¹⁾ The scores are provided for information only.

Table 2.19 Data flow analysis for Italy

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delayed delivery in national server (26 February 2014). Requested length of time series provided for criteria pollutants.
AE1b: NEC data			Data delivered with delay (08 January 2014) on national server.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time to National server for all gases in the criteria. CRF XML format provided.
AE2b: EU GHG data			Full time series (1990-2012) delivered on time on national server for all gases in the criteria. CRF XML format provided. National inventory report not provided by 17 January 2014.
AQ1: EoI data			Data delivered with slight delay (2 October 2013). Data on particulate matter available for 2012. About 40% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants.
AQ2: Air quality questionnaire			Data from the regions has not been aggregated into a national delivery apart from the information for the Average Exposure Indicator (accomplished on the 17/01/2014). Nineteen regions were available on the national server on the 27. September 2013. The two remaining regions delivered on the 3. December 2013. Revised information on zoning was provided for two regions on 27. September 2013.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time. Full summer report delivered with delay (6 November 2013). Requested metadata provided. Referral links provided for national server placed in CDR.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 100% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.19 Data flow analysis for Italy (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time, but in different format than requested. Feedback to reported issues provided. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided for all stations. Long time series on preferred SoE nutrients available. Biology data delivered.
EWN2: Lake quality			Data delivered on time and in the requested format. No reply to critical QA issues on previously reported data. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided for all stations. Mostly broken time series on preferred SoE nutrients available. Biology data delivered.
EWN3: Groundwater quality			Data delivered very early (May 2012) but with many formal errors. Corrected delivery provided on 12 March 2013. All 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates provided and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Reported data relevant to Water Quantity in EUROSTAT/OECD JQ 2012.
ME1: Marine data			Data delivered with a slight delay (13 November 2013). Data (latest measurements from 2011 only) provided on: hazardous substances in biota (preferred substances), sediment and seawater, 5 preferred nutrients in seawater, pressures, station characteristics and flux stations.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage of active stations and highly reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2012, data from E-PRTR inserted.

⁽¹⁾ The scores are provided for information only.

Table 2.20 Data flow analysis for Kosovo under UNSCR 1244/99

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delayed delivery in CDR (18 February 2014). Partial time series SO ₂ , NO _x , CO, NMVOC, NH ₃ and PM ₁₀ with only year 2012 provided.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Partial time series (2012) delivered on time in CDR. CRF XML format not provided.
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			Data delivered on time but not meeting criteria for content.
AQ2: Air quality questionnaire	N/A		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels (SO ₂ , NO ₂ /NO _x , PM ₁₀ , CO, PM _{2.5} , O ₃) exceeded or did not exceed the values specified in the air quality legislation for one of the zones listed in Form 2. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. (Participation in the 2013 data flow is voluntary for countries which are not EU Member States).
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata not available: EoI code not provided for existing stations.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 93% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register	N/A	N/A	Country did not participate in this data flow.

Table 2.20 Data flow analysis for Kosovo under UNSCR 1244/99 (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. No feedback to reported issues. No reply to critical QA issues on previously reported data. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided. Short time series on preferred SoE available. Biology data not delivered without explanation.
EWN2: Lake quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. For the first time data on 2 preferred SoE nutrients delivered. Hazardous substances data delivered. Proxy pressures data not provided. Biology data not delivered but explanation provided. Score increased as a one-time token of appreciation for the first time delivery of Nutrients data.
EWN3: Groundwater quality			No data delivery under WISE-SoE data collection 2013.
EWN4: Water quantity ⁽¹⁾			No data delivery under WISE-SoE data collection 2013.
ME1: Marine data	N/A	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data ⁽¹⁾	N/A	N/A	Country did not participate in this data flow.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2013.

⁽¹⁾ The scores are provided for information only.

Table 2.21 Data flow analysis for Latvia

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data			Data delivered on time for years 1990 to 2012. Requested format used. National inventory report provided.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided.
AE2b: EU GHG data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided. National inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the two zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year. Boundary information provided as GIS files.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 100% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.21 Data flow analysis for Latvia (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Feedback to reported issues provided. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data not delivered. Proxy pressures data provided. Long time series on preferred SoE nutrients available. Biology data not delivered but explanation provided.
EWN2: Lake quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data not delivered. Proxy pressures data not provided for all stations. Long time series on preferred SoE nutrients available. Biology data delivered.
EWN3: Groundwater quality			Data delivered on time and in the requested format. None of the 5 requested chemical substances data provided. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided. Reply to critical QA issues on previously reported data received.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Reported both regional and point data. Did not report the total number of available stations. Reported: 62 regional parameters at RBD level in annual scale for all RBDs; data for 13 streamflow stations, 149 wells and 3 reservoirs.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in sediment, 5 preferred nutrients in seawater and station characteristics.
NRTO3: Near real-time ozone data ⁽¹⁾			Highly reliable data provision during the ozone season but only one station is reporting so spatial coverage is still low.
WISE1: Emissions to water ⁽¹⁾			Data delivered on time. Emission discharges from point sources are provided for 7 nutrients or organic matter determinands and 14 hazardous substances. Emission discharges from diffuse sources are not provided.

⁽¹⁾ The scores are provided for information only.

Table 2.22 Data flow analysis for Liechtenstein

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided.
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			No data delivered (22 January 2014).
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2013 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			No information in Central data repository by 22 November 2013.
CDDA1: Designated areas			No delivered under CDDA 2014 data collection.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report not available in CDR.

Table 2.22 Data flow analysis for Liechtenstein (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			No data delivery under WISE SoE data collection 2013.
EWN2: Lake quality	N/A	N/A	Country does not have any relevant lake.
EWN3: Groundwater quality			No data delivery under WISE-SoE data collection 2013.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Did not report any regional data.
ME1: Marine data	N/A	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage of active stations and highly reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2013.

⁽¹⁾ The scores are provided for information only.

Table 2.23 Data flow analysis for Lithuania

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data			Data delivered on time for years 2010 to 2012. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided.
AE2b: EU GHG data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided. National inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the three zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year. Boundary information provided as GIS files (AQQ 2010).
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			No delivered under CDDA 2014 data collection.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.23 Data flow analysis for Lithuania (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time except for the Biology data which was delivered with a substantial delay (06/01/2014). Delivery in the requested format. Feedback to reported issues provided. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided. Long time series on preferred SoE nutrients available. Biology data delivered.
EWN2: Lake quality			Data delivered with a substantial delay (24 Jan 2014). Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data not delivered. Proxy pressures data provided for almost all stations. Some long time series on preferred SoE available. Biology data delivered.
EWN3: Groundwater quality			Data delivered on time and in the requested format. 4 of 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates provided and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Reported both regional and point data. Did not report the total number of available stations. Reported: 140 regional parameters at RBD level in annual scale; data for 13 streamflow stations and 22 wells.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in biota (preferred substances), sediment and seawater, 5 preferred nutrients in seawater and station characteristics.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage of active stations and highly reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			Data delivered on time. Emission discharges from point sources are provided for 7 nutrients or organic matter determinands and 14 hazardous substances. Emission discharges from diffuse sources are not provided. 2 determinands from diffuse sources reported in past years (2010).

⁽¹⁾ The scores are provided for information only.

Table 2.24 Data flow analysis for Luxembourg

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delayed delivery in CDR (09 May 2014).
AE1b: NEC data			Data delivered on time for years 2011 and 2012. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided.
AE2b: EU GHG data			Data delivered with delay (24 January 2014).
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. About 30% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the three zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year. Geospatial data provided.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided but longitude and latitude values are inverted.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 100% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.24 Data flow analysis for Luxembourg (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data not delivered. Proxy pressures data provided. Long time series on preferred SoE nutrients available. Biology data not delivered without explanation.
EWN2: Lake quality	N/A	N/A	Country does not have any relevant lake.
EWN3: Groundwater quality			No data delivery under WISE-SoE data collection 2013.
EWN4: Water quantity ⁽¹⁾			Reported data relevant to Water Quantity in EUROSTAT/OECD JQ 2012.
ME1: Marine data	N/A	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage of active stations and highly reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2013, data from E-PRTR inserted.

⁽¹⁾ The scores are provided for information only.

Table 2.25 Data flow analysis for Malta

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for PM10 (2000-2012) but partial time series for SO2, NOx, CO, NMVOC, NH3 (2000-2012).
AE1b: NEC data			Data delivered on time for years 2000 to 2012. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time to UNFCCC, but uploaded with delay to CDR (05 May 2014). CRF XML format provided.
AE2b: EU GHG data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided. National inventory report also provided.
AQ1: EoI data			Data delivered with delay (7 January 2014). Data on particulate matter available for 2012. More than 50% active stations monitoring PM10 plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants, however reported as in aerosol instead of the PM10 fraction.
AQ2: Air quality questionnaire			Questionnaire delivered with delay (4 February 2014). Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the two zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. No information provided for nickel. EoI codes provided in Forms 3 and in Form 4. Station type provided in Form 4. Declaration provided that boundary information is unchanged from previous year. Boundary information provided as border coordinate pairs (AQQ 2008).
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 100% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report not available in CDR.

Table 2.25 Data flow analysis for Malta (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Feedback to reported issues provided. Monitoring stations with coordinates provided. Data on preferred SoE nutrients not delivered. Hazardous substances data delivered. Proxy pressures data not provided. Biology data not delivered without explanation.
EWN2: Lake quality			Data delivered on time and in the requested format. No reply to critical QA issues on previously reported data. Monitoring stations with coordinates provided. Data on preferred SoE nutrients not delivered. Hazardous substances data delivered. Proxy pressures data not provided for all stations. Biology data not delivered without explanation.
EWN3: Groundwater quality			No data delivery under WISE-SoE data collection 2013.
EWN4: Water quantity ⁽¹⁾			Reported data relevant to Water Quantity in EUROSTAT/OECD JQ 2012.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in seawater and station characteristics.
NRTO3: Near real-time ozone data ⁽¹⁾		N/A	No data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2013, data from E-PRTR inserted.

⁽¹⁾ The scores are provided for information only.

Table 2.26 Data flow analysis for Montenegro

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			No information available in CDR on 02 April 2014.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			No information available in CDR (05 May 2014).
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			Data delivered with delay (11 October 2013). Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ .
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2013 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Slightly delayed delivery (21 Mar. 2014) Percentage of sites with required attributes: centre coordinates: 48%; size of area: 87%; IUCN category: 99%; designation category: 100%. Digital boundaries provided for 9% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register	N/A	N/A	Country did not participate in this data flow.

Table 2.26 Data flow analysis for Montenegro (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. No feedback to reported issues. Monitoring stations provided without coordinates. Data on 4 preferred SoE nutrient delivered. Hazardous substances data not delivered. Proxy pressures data not provided. Short time series on preferred SoE nutrients available. Biology data not delivered without explanation.
EWN2: Lake quality			Data delivered on time and in the requested format. No reply to critical QA issues on previously reported data. Monitoring stations, some without coordinates, provided. Data on 4 preferred SoE nutrient delivered. Hazardous substances data not delivered. Proxy pressures data not provided for all stations. Short time series on preferred SoE nutrients available. Biology data not delivered without explanation.
EWN3: Groundwater quality			Data delivered on time and in the requested format. 4 of 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. List of GW bodies with most important attributes data provided. GIS data missing.
EWN4: Water quantity ⁽¹⁾			No data delivery under WISE-SoE data collection 2013.
ME1: Marine data			Data delivered on time. Data provided on: 5 preferred nutrients in seawater and station characteristics.
NRTO3: Near real-time ozone data ⁽¹⁾	N/A	N/A	Country did not participate in this data flow.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2013.

⁽¹⁾ The scores are provided for information only.

Table 2.27 Data flow analysis for the Netherlands

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data			Data delivered on time to CDR for years 2011 and 2012. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided but in zip file so automatic QA cannot run.
AE2b: EU GHG data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided but in zip file so automatic QA does not run. National inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants, however for the HM reported as in aerosol instead of the PM10 fraction.
AQ2: Air quality questionnaire			Questionnaire delivered on time to the CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the nine zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. No declaration provided on whether boundary information has changed from previous year.
AQ2b: Monthly and summer ozone data			Five monthly reports for 2013 provided on time in CDR. Information for April provided with delay (4 June). Full summer report delivered with delay (13 November). Requested metadata provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 100% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.27 Data flow analysis for the Netherlands (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. Data on 2 preferred SoE nutrients delivered. Hazardous substances data delivered. Proxy pressures data not provided. Long time series on preferred SoE nutrients available. Biology data not delivered without explanation.
EWN2: Lake quality			Data delivered on time and in the requested format. No reply to critical QA issues on previously reported data. Monitoring stations with coordinates provided. Data on 2 preferred SoE nutrients delivered. Hazardous substances data delivered. Proxy pressures data not provided. Some long time series on preferred SoE nutrients available. Biology data not delivered without explanation.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for 2 of the 5 requested chemical substances provided but only in aggregated form. GIS data for GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Did not report any regional data. Reported streamflow data for 48% of the available stations in daily time scale.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in biota (preferred substances), sediment and seawater, 5 preferred nutrients in seawater and station characteristics.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage of active stations and highly reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			Data delivered on time. Emission discharges from point sources are provided for 3 nutrients or organic matter determinands and 84 hazardous substances. Emission discharges from diffuse sources are provided for 6 determinands. 6 determinands from diffuse sources reported in past years.

⁽¹⁾ The scores are provided for information only.

Table 2.28 Data flow analysis for Norway

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Initial data release on 14 February, final envelope release on 20 February 2014. Requested length of time series provided for criteria pollutants.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided but in zip file so automatic QA cannot run.
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. No information about lead provided. Data provided for 4 th Daughter Directive pollutants, however BaP reported as in air+aerosol instead of in PM10.
AQ2: Air quality questionnaire			Questionnaire delivered on time to Central Data Repository. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the seven zones and agglomerations listed in Form 2. The information for 4 th Daughter Directive has been provided. No information provided for lead. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. No declaration provided on whether boundary information has changed from previous year. LAU2 codes provided to identify zone boundaries.
AQ2b: Monthly and summer ozone data			Five monthly reports for 2013 provided on time in CDR. Information for June provided with a slight delay (2 August). Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 98%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 100% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.28 Data flow analysis for Norway (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered with a slight delay (14 Nov 2013) and in the requested format. Feedback to reported issues provided. Monitoring stations with coordinates provided. Data on only 3 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided for all stations. Mostly short time series on preferred SoE available. Biology data delivered.
EWN2: Lake quality			Data delivered with a slight delay (7 Nov 2014) and in the requested format. Monitoring stations with coordinates provided. Data on 3 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided for all stations. Long time series on preferred SoE nutrients available. Biology data delivered.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for 3 of the 5 requested chemical substances provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. List of GW bodies with most important attribute data provided. GIS data missing.
EWN4: Water quantity ⁽¹⁾			Reported data relevant to Water Quantity in EUROSTAT/OECD JQ 2012.
ME1: Marine data			Data made available through ICES. Data provided on: hazardous substances in biota (preferred substances) and sediment, 5 preferred nutrients in seawater and station characteristics.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory (as for this specific case) spatial coverage of active stations, however the overall reliability below 80%.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2013, data from E-PRTR inserted.

⁽¹⁾ The scores are provided for information only.

Table 2.29 Data flow analysis for Poland

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested time series for PM10 (1995-2012) but partial time series SO2, NOx, CO, NMVOC, NH3 (1995-2012).
AE1b: NEC data			Data delivered on time for years 2000 to 2012. Requested format used. National inventory report provided.
AE2: UNFCCC data			Full time series (1990-2012) for all gases in the criteria delivered in CDR under the EU monitoring mechanism folder. CRF XML format provided.
AE2b: EU GHG data			Full time series (1988-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided. National inventory report also provided.
AQ1: EoI data			Data delivered with slight delay (2 October 2013). Data on particulate matter available for 2012. More than 50% active stations monitoring PM10 plus monitoring of smaller particulates. Lead reported as aerosol instead as a fraction of PM10. Data provided for 4 th Daughter Directive pollutants.
AQ2: Air quality questionnaire			Questionnaire delivered within time frame in CDR (2 October 2013). Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 46 zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and in Form 4. Station type provided in Form 4. Declaration provided that boundary information is unchanged from previous year. Boundary information provided as GIS files.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Unusable delivery with required attributes missing.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report not available in CDR.

Table 2.29 Data flow analysis for Poland (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Feedback to reported issues provided. Reply to critical QA issues on previously reported data received. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided. Some long time series on preferred SoE available. Biology data delivered.
EWN2: Lake quality			Data delivered on time and in the requested format. Reply to critical QA issues on previously reported data received. Monitoring stations with coordinates provided. Data on 4 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided for all stations. Some long time series on preferred SoE nutrients available. Biology data delivered.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for all 5 requested chemical substances provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data for GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Reported data relevant to Water Quantity in EUROSTAT/OECD JQ 2012.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in biota (preferred substances), sediment and seawater, 5 preferred nutrients in seawater and station characteristics.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage and reliable data provision during the ozone season, however the overall reliability below 80%.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2013, data from E-PRTR inserted.

⁽¹⁾ The scores are provided for information only.

Table 2.30 Data flow analysis for Portugal

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data			Data delivered on time for years 1990 to 2012. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Full time series (1990-2012) delivered in CDR for all gases in the criteria. CRF XML format provided.
AE2b: EU GHG data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided. National inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants, however for the HM reported as in aerosol instead of the PM ₁₀ fraction.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 26 zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. No declaration provided on whether boundary information has changed from previous year. No information on zone boundaries provided in CDR.
AQ2b: Monthly and summer ozone data			Four monthly reports for 2013 provided on time in CDR. Information provided with a slight delay for May (5 July) and July (2 September). Full summer report delivered on time. Requested metadata provided in part: EoI station codes not available for the information on hourly maxima (Monthly-1h-max).
CDDA1: Designated areas			Slightly delayed delivery (21 Mar. 2014) Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 85% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.30 Data flow analysis for Portugal (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered with a delay (water quality 19 Nov 2013, biology 14 Jan 2014) and in the requested format. Feedback to reported issues provided. Monitoring stations with coordinates provided. Data on 4 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided. Short time series on preferred SoE available. Biology data delivered.
EWN2: Lake quality			Data delivered with a small delay (19 Nov 2013) and in the requested format. Monitoring stations with coordinates provided. Data on 4 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided. Some long time series on preferred SoE nutrients available. Biology data delivered.
EWN3: Groundwater quality			Data delivered on time and in the requested format. 3 of 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Reported data relevant to Water Quantity in EUROSTAT/OECD JQ 2012.
ME1: Marine data			No data delivery under WISE-SoE data collection 2013.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage and reliable data provision during the ozone season, however the overall reliability below 80%.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2013, data from E-PRTR inserted.

⁽¹⁾ The scores are provided for information only.

Table 2.31 Data flow analysis for Romania

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Partial time series SO ₂ , NO _x , CO, NMVOC, NH ₃ and PM ₁₀ with only year 2012 provided.
AE1b: NEC data			Data delivered on time for years 2011 and 2012. Requested format used. National inventory report provided.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided.
AE2b: EU GHG data			Full time series (1989-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Preliminary inventory report provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants, however for the HM reported as in aerosol instead of the PM ₁₀ fraction and information on BaP is missing.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 54 zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive except for benzo. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. No declaration provided on whether boundary information has changed from previous year. Zone boundary information provided in CDR (AQQ 2011).
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided. Delivery of summer report is in the wrong folder so the reporting obligation on the relevant envelope has been updated manually so that the delivery appears in search results.
CDDA1: Designated areas			Delayed delivery (17 Apr. 2014) Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 95% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.31 Data flow analysis for Romania (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Feedback to reported issues provided. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided. Some long time series on preferred SoE available. Biology data delivered.
EWN2: Lake quality			Data delivered on time and in the requested format. No reply to critical QA issues on previously reported data. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided for all stations. Long time series on preferred SoE nutrients available. Biology data delivered.
EWN3: Groundwater quality			Data delivered on time and in the requested format. 4 of 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Did not report any point data. Reported: 17 regional parameters at country level.
ME1: Marine data			No data delivery under WISE-SoE data collection 2013.
NRT03: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage and reliable data provision during the ozone season, however the overall reliability (just) below 80%.
WISE1: Emissions to water ⁽¹⁾			Data delivered on time. Emission discharges from point sources are provided for 7 nutrients or organic matter determinands and 7 hazardous substances. Emission discharges from diffuse sources are not provided. 2 determinands from diffuse sources reported in past years (2009).

⁽¹⁾ The scores are provided for information only.

Table 2.32 Data flow analysis for Serbia

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			No information available in CDR (05 May 2014).
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. Data on particulate matter available for 2012. About 12% active stations monitoring PM ₁₀ .
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2013 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 71% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.32 Data flow analysis for Serbia (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Reply to critical QA issues on previously reported data received. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided. Long time series on preferred SoE nutrients available. Biology data not delivered without explanation.
EWN2: Lake quality			Data delivered on time and in the requested format. Reply to critical QA issues on previously reported data partially received. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided. Long time series on preferred SoE nutrients available. Biology data not delivered without explanation.
EWN3: Groundwater quality			Data delivered on time and in the requested format. 4 of 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. List of GW bodies with most important attributes data provided. GIS data missing.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Did not report any regional data. Did not report the total number of available stations.
ME1: Marine data	N/A	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data ⁽¹⁾			Serbia has participated since 2012 with four reporting stations giving satisfactory spatial coverage and reliable data provision during the ozone season also in 2013.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2013, data from E-PRTR inserted.

⁽¹⁾ The scores are provided for information only.

Table 2.33 Data flow analysis for Slovakia

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested time series for PM ₁₀ (2000-2012) but partial time series SO ₂ , NO _x , CO, NMVOC, NH ₃ (2000-2012).
AE1b: NEC data			Data delivered on time for years 2010 to 2012. Requested format used. National inventory report provided.
AE2: UNFCCC data			Full time series (1990-2012) for all gases in the criteria delivered on time in CDR under the EU monitoring mechanism folder. CRF XML format provided.
AE2b: EU GHG data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided. National inventory report also provided.
AQ1: EoI data			Data delivered with delay (15 October 2013). Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data not provided for lead and for 4 th Daughter Directive pollutants.
AQ2: Air quality questionnaire			Questionnaire delivered in CDR with delay (21 October 2013). Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 11 zones and agglomerations listed in Form 2 except for ozone and 4 th Daughter Directive pollutants. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 93%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 96% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.33 Data flow analysis for Slovakia (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Feedback to reported issues provided. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided. Long time series on preferred SoE nutrients available. Biology data delivered.
EWN2: Lake quality			Data delivered on time and in the requested format. No reply to critical QA issues on previously reported data. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided. Short time series on preferred SoE nutrients available. Biology data not delivered but explanation provided (together with rivers data). Point added for valuable feedback to reporting procedures.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for all 5 requested chemical substances provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Delayed data delivery (2 Dec 2013) due to technical problem with the reporting tool. Reported both regional and point data. Reported: 16 regional parameters at country, RBD and SU level; point data for 5% of the available streamflow stations, 2% of the available wells and 61% of the available reservoirs.
ME1: Marine data	N/A	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage of active stations and highly reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			Data delivered on time. Emission discharges from point sources are provided for 4 nutrients or organic matter determinands and 43 hazardous substances. Emission discharges from diffuse sources are not provided.

⁽¹⁾ The scores are provided for information only.

Table 2.34 Data flow analysis for Slovenia

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data			Data delivered on time for years 2011 and 2012. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided.
AE2b: EU GHG data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided. National inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants, however the HM reported as in aerosol instead of the PM ₁₀ fraction.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the eight zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. No declaration provided on whether boundary information has changed from previous year. Information on boundaries for all zones and agglomerations listed as codes for administrative units (LAU2) in Form 2.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 100% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.34 Data flow analysis for Slovenia (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Feedback to reported issues provided. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided for all stations. Long time series on preferred SoE nutrients available. Biology data delivered.
EWN2: Lake quality			Data delivered on time and in the requested format. Reply to critical QA issues on previously reported data received. Monitoring stations with coordinates provided. Data on 4 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided. Long time series on preferred SoE nutrients available. Biology data delivered.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for all 5 requested chemical substances provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data for GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Reported both regional and point data. Reported: 12 regional parameters at RBD level for all RBDs 13% of which in the requested monthly scale and 38 parameters at country level; point data for all RBDs and all available stations in the requested time scales (daily, monthly).
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in biota (preferred substances), sediment and seawater, 4 preferred nutrients in seawater and station characteristics.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage of active stations and highly reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			Data delivered on time. Emission discharges from point sources are provided for 8 nutrients or organic matter determinands and 49 hazardous substances. Emission discharges from diffuse sources are not provided.

⁽¹⁾ The scores are provided for information only.

Table 2.35 Data flow analysis for Spain

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data			Data delivered on time for years 1990 to 2012. Requested format used. National inventory report provided.
AE2: UNFCCC data			Delivery on time to UNFCCC but only released with some delay on CDR on 05 May 2014.
AE2b: EU GHG data			Data delivered with delay (27 January 2014).
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants, however for the HM reported as in aerosol instead of the PM ₁₀ fraction.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 157 zones and agglomerations listed in Form 2. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has changed from the previous year. Information on GIS boundaries for all zones and agglomerations listed in Form 2 provided in CDR.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 100% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.35 Data flow analysis for Spain (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Feedback to reported issues provided. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided. Some long time series on preferred SoE nutrients available. Biology data not delivered but explanation provided.
EWN2: Lake quality			Data delivered on time and in the requested format. No reply to critical QA issues on previously reported data. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided. Short time series on preferred SoE nutrients available. Biology data delivered.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for 4 of the 5 requested chemical substances provided but only in aggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data for GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Data delivered on time but not in the requested format.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in biota (preferred substances), sediment and seawater, 5 preferred nutrients in seawater, riverine inputs, direct discharge, station characteristics and flux stations.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage of active stations and highly reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2013, data from E-PRTR inserted.

⁽¹⁾ The scores are provided for information only.

Table 2.36 Data flow analysis for Sweden

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data			Data delivered on time for years 1990 to 2012. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Full time series (1990-2012) for all gases in the criteria delivered on time in CDR under the EU monitoring mechanism folder. CRF XML format provided.
AE2b: EU GHG data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided. National inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants, however reported as in air+aerosol or aerosol instead of the PM10 fraction.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the six zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Information on boundaries for all zones and agglomerations listed as codes for administrative units (LAU2) in Form 2. Declaration that boundary information has not changed from previous year.
AQ2b: Monthly and summer ozone data			Four monthly reports for 2013 provided on time in CDR. Information for July provided with slight delay (2 September). Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 100% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.36 Data flow analysis for Sweden (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided. Some long time series on preferred SoE available. Biology data delivered.
EWN2: Lake quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided for almost all stations. Long time series on preferred SoE nutrients available. Biology data delivered.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for 3 of the 5 requested chemical substances provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data for GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Reported both regional and point data. Reported: 5 regional parameters at RBD level for 90% of the RBDs; groundwater data for 50% of the RBDs.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in sediment, 5 preferred nutrients in seawater, riverine inputs, pressures, direct discharge, station characteristics and flux stations.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory (as for this specific case) spatial coverage of active stations and highly reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			Data delivered on time. Emission discharges from point sources are provided for 8 nutrients or organic matter determinands and 32 hazardous substances. Emission discharges from diffuse sources are provided for 2 determinands. 7 determinands from diffuse sources reported in past years.

⁽¹⁾ The scores are provided for information only.

Table 2.37 Data flow analysis for Switzerland

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided but in zip file so automatic QA cannot run.
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. More than 50% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants.
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2013 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 99% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.37 Data flow analysis for Switzerland (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. Data on only 4 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided. Some long time series on preferred SoE nutrients available. Biology data not delivered but explanation provided.
EWN2: Lake quality			Data delivered on time and in the requested format. Reply to critical QA issues on previously reported data received. Monitoring stations with coordinates provided. Data on 1 preferred SoE nutrient delivered. Hazardous substances data not delivered. Proxy pressures data provided. Some long time series on preferred SoE nutrients available. Biology data not delivered but explanation provided. Score increased as a one-time token of appreciation for exemplary communication.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for all 5 requested chemical substances provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data for GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Reported both regional and point data. Reported: 83 regional parameters at RBD or SU level and 97 parameters at country level, all of them in annual time scale; point data for 94% of the RBDs/SUs, all of them in the requested time scales (daily, monthly).
ME1: Marine data	N/A	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage of active stations and highly reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			Data delivered on time. Emission discharges from point sources are provided for no nutrient or organic matter determinand and no hazardous substances. Emission discharges from diffuse sources are provided for 6 determinands. 15 determinands from diffuse sources reported in past years.

⁽¹⁾ The scores are provided for information only.

Table 2.38 Data flow analysis for Turkey

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Delivery on time to UNFCCC, but only released on CDR on 08 May 2014. CRF XML format not provided.
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. Data on particulate matter available for 2012. All active stations monitoring PM ₁₀ .
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2013 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			Five monthly reports for 2013 provided on time in CDR. Information provided with delay for July (17 September). Summer report not provided. Requested metadata provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 97%; size of area: 100%; IUCN category: 0%; designation category: 100%. Digital boundaries provided for 98% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register	N/A	N/A	Country did not participate in this data flow.

Table 2.38 Data flow analysis for Turkey (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Monitoring stations with coordinates provided. Data on 3 preferred SoE nutrient delivered. Hazardous substances data not delivered. Proxy pressures data not provided. Short time series on preferred SoE available. Biology data not delivered without explanation.
EWN2: Lake quality			Data delivered on time and in the requested format. No reply to critical QA issues on previously reported data. Monitoring stations with coordinates provided. Data on 3 preferred SoE nutrient delivered. Hazardous substances data not delivered. Proxy pressures data not provided. Short time series on preferred SoE nutrients available. Biology data not delivered without explanation.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for 2 of the 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. List of GW bodies with most important attributes data provided. GIS data missing.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Did not report any regional data. Did not report the total number of available stations.
ME1: Marine data			Data delivered on time. Data (latest measurements from 2009 only) provided on: hazardous substances in sediment, 3 preferred nutrients in seawater and station characteristics.
NRTO3: Near real-time ozone data ⁽¹⁾	N/A	N/A	Turkey did not participate in this data flow in the 2013 ozone season.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2013.

⁽¹⁾ The scores are provided for information only.

Table 2.39 Data flow analysis for the United Kingdom

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants.
AE1b: NEC data			Data delivered on time for years 2007 to 2012. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided.
AE2b: EU GHG data			Full time series (1990-2012) delivered on time in CDR for all gases in the criteria. CRF XML format provided. National inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2012. About 20% active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants, however for the HM reported as in aerosol instead of the PM ₁₀ fraction.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2012 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 43 zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has changed from the previous year. Information on GIS boundaries for all zones and agglomerations listed in Form 2 provided in CDR.
AQ2b: Monthly and summer ozone data			All monthly reports for 2013 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time. Percentage of sites with required attributes: centre coordinates: 100%; size of area: 100%; IUCN category: 100%; designation category: 100%. Digital boundaries provided for 100% of sites with area > 1ha.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report not available in CDR.

Table 2.39 Data flow analysis for the United Kingdom (continued)

Data flow name	Progress 2012–2013	Progress 2013–2014	Remark
EWN1: River quality			Data delivered on time and in the requested format. Feedback to reported issues provided. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided for all stations. Some long time series on preferred SoE nutrients available. Biology data delivered.
EWN2: Lake quality			Data delivered on time and in the requested format. No reply to critical QA issues on previously reported data. Monitoring stations with coordinates provided. Data on 5 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided. Some long time series on preferred SoE nutrients available. Biology data delivered.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Data for all 5 requested chemical substances provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data for GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾			Reported data relevant to Water Quantity in EUROSTAT/OECD JQ 2012.
ME1: Marine data			Data made available through ICES. Data provided on: hazardous substances in biota (preferred substances), sediment and seawater, 4 preferred nutrients in seawater and station characteristics.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage of active stations and highly reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			No data delivery under WISE-SoE data collection 2013, data from E-PRTR inserted.

⁽¹⁾ The scores are provided for information only.



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