

Eionet priority data flows

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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 would like to present to you the 16th 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 countries towards better performance through competition amicale, concentrating on achievements rather than failures.

Progress has again been assessed against criteria for 13 regular priority areas. Information is also provided for three additional data flows: reporting to EEA on near-real time ozone; water quantity; emissions to water. The 16 data flows presented in this report are a subset of EEA's data collection activities. They represent about half of the total number of 2 500 data deliveries received during the period May 2012 to April 2013.

All 32 member countries of the EEA and the seven cooperating West Balkan countries (which together constitute the 'Eionet') participate in the priority data flows exercise a substantially broader geographical coverage than in other ranking exercises and an aspect which is a key added value of EEA/Eionet collaboration. The provision of high-quality data by Eionet is fundamental for EEA to achieve its mission to provide timely, targeted, relevant and reliable information to policymaking agents and the public.

Overall, the report finds a slight deterioration compared to the previous period. Sweden is the only country to achieve 100 %, followed by France and United Kingdom with 96 %. The average score for the period fell from 83 % to 81 % and just under two-thirds of Eionet countries achieved or exceeded this threshold. In comparison, in 2000, the average score was 45 % and only

three countries scored above 70 % (although criteria were also less stringent then). This shows that regular reporting has now become more 'routine' for many countries, for example, by institutionalising resources dedicated to the task.

However no country in the network can be complacent as this year's scores show a significant number of countries (18) with reduced scores compared to the previous period. 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 response provided by national data reporters.

Overall, Eionet continues to demonstrate its readiness to play a key role in the implementation of the Shared Environmental Information System (SEIS) relevant reporting systems are rapidly being modernised towards a network of decentralised systems providing online access to data, and they are managed as close to source as possible while preserving measures to ensure quality.

EEA will continue to work with its National Focal Points to improve and integrate appropriate common tools further into all priority data flow activities at a national level in order to implement SEIS principles. Let me end by thanking 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 2012–April 2013)

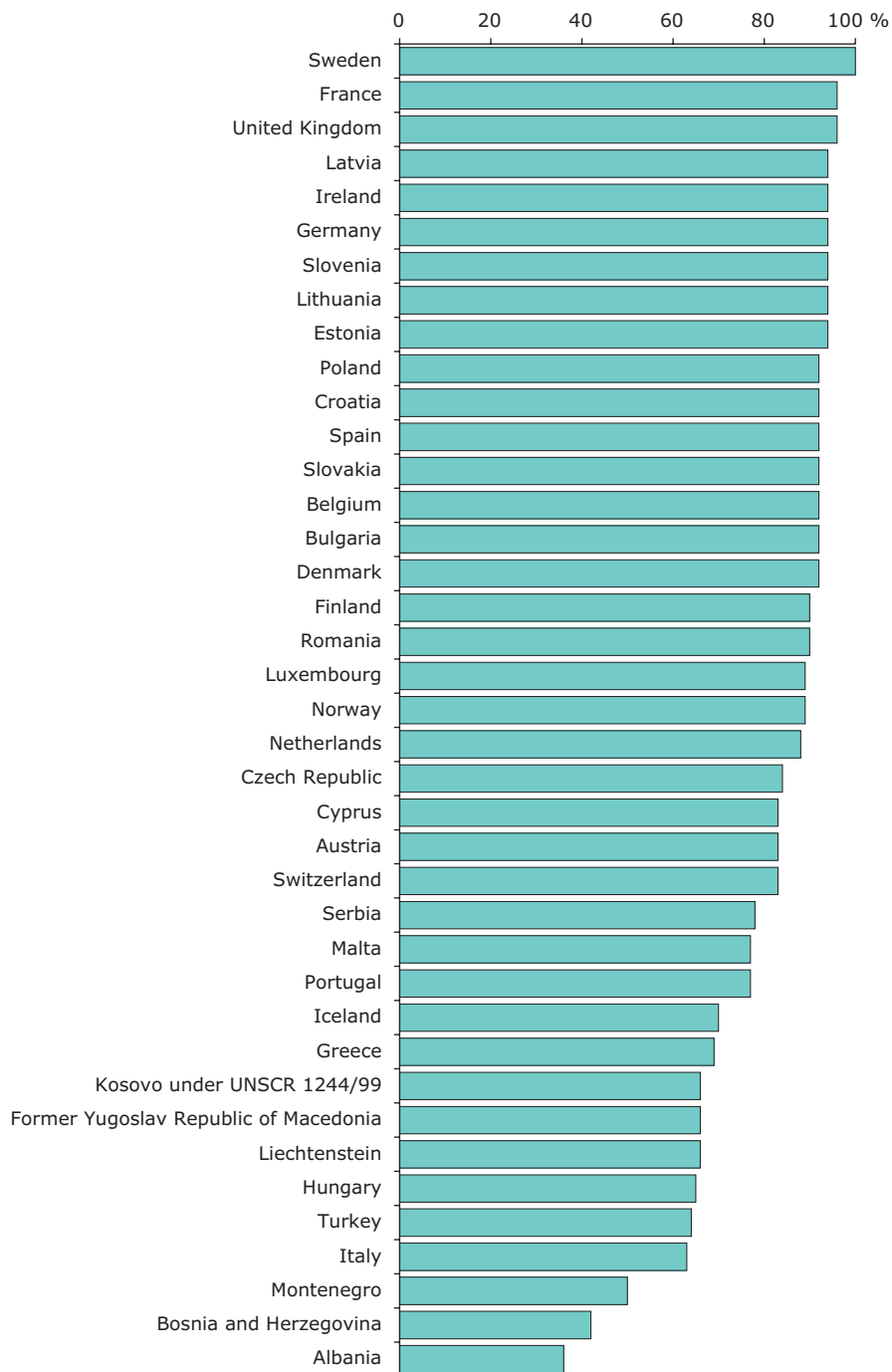


Table 1 Performance history

Country	Score 2002 (%)	Score 2003 (%)	Score 2004 (%)	Score 2005 (%)	Score 2006 (%)	Score 2007 (%)	Score 2008 (%)	Score 2009 (%)	Score 2010 (%)	Score 2011 (%)	Score 2012 (%)	Trend compared to last year
Albania	0	17	22	30	45	21	19	31	53	47	36	- 11 ↘
Austria	97	95	98	98	100	100	100	100	95	98	83	- 15 ↘
Belgium	53	58	59	66	69	75	96	92	90	94	92	- 2 →
Bosnia and Herzegovina	29	34	22	22	53	46	58	56	50	53	42	- 11 ↘
Bulgaria	69	75	80	89	80	92	96	92	92	94	92	- 2 →
Croatia	N/A	N/A	28	17	48	71	69	78	92	89	92	+ 3 →
Cyprus	N/A	N/A	N/A	25	63	81	90	90	73	88	83	- 5 ↘
Czech Republic	72	68	63	65	68	84	80	85	85	82	84	+ 2 →
Denmark	83	85	82	69	63	78	73	94	92	96	92	- 4 →
Estonia	72	80	81	81	90	86	96	96	98	98	94	- 4 →
Finland	68	79	85	75	73	78	92	85	83	83	90	+ 7 ↗
Former Yugoslav Republic of Macedonia	54	50	50	69	78	75	75	72	69	69	66	- 3 →
France	63	73	79	83	85	89	94	96	96	94	96	+ 2 →
Germany	83	81	67	75	92	78	88	100	98	94	94	0 →
Greece	60	52	44	54	50	50	52	58	58	65	69	+ 4 →
Hungary	56	53	47	80	86	78	66	45	41	65	65	0 →
Iceland	36	30	14	56	30	64	73	64	75	80	70	- 10 ↘
Ireland	68	71	65	73	73	81	94	92	90	92	94	+ 2 →
Italy	65	56	52	59	50	64	67	54	60	62	63	+ 1 →
Kosovo under UNSCR 1244/99	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	57	66	+ 9 ↗
Latvia	80	89	94	98	100	97	98	98	96	85	94	+ 9 ↗
Liechtenstein	61	53	43	64	54	60	57	86	82	97	66	- 31 ↘
Lithuania	47	73	73	83	94	94	85	94	94	96	94	- 2 →
Luxembourg	18	25	14	39	44	34	58	53	63	84	89	+ 5 ↗
Malta	N/A	78	56	63	68	69	86	52	34	46	77	+ 31 ↗
Montenegro	N/A	N/A	17	36	56	0	17	6	44	53	50	- 3 →
Netherlands	70	69	64	77	79	81	60	77	88	96	88	- 8 ↘
Norway	81	75	69	65	78	93	80	85	90	89	89	0 →
Poland	72	65	50	58	77	69	79	81	79	88	92	+ 4 →
Portugal	35	50	20	27	42	64	83	85	90	85	77	- 8 ↘
Romania	47	38	31	11	75	86	96	92	92	92	90	- 2 →
Serbia	N/A	N/A	17	36	56	60	78	75	75	72	78	+ 6 ↗
Slovakia	63	72	84	85	95	97	91	98	82	92	92	0 →
Slovenia	78	88	92	75	96	94	96	94	96	94	94	0 →
Spain	55	38	41	52	56	64	63	83	85	90	92	+ 2 →
Sweden	90	90	94	94	96	97	100	100	98	100	100	0 →
Switzerland	N/A	N/A	N/A	75	39	85	100	97	94	100	83	- 17 ↘
Turkey	N/A	N/A	N/A	19	17	25	47	64	64	72	64	- 8 ↘
United Kingdom	83	73	66	82	83	94	65	81	98	96	96	0 →
Average (all countries)	62	64	57	62	69	73	77	78	80	83	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 27 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 2012–2013.

Data flow	Deadline
AQ-2: Air quality questionnaire	30 September 2012
AQ-1: EoI data	1 October 2012
AQ-2b: Monthly/summer ozone	31 October 2012 (*)
EWN-1: River quality	31 October 2012
EWN-2: Lake quality	31 October 2012
EWN-3: Groundwater quality	31 October 2012
EWN4: Water quantity	31 October 2012
ME-1: Marine data	31 October 2012
WISE1: Water emission quality	31 October 2012
AE-1b: NEC data	31 December 2012
AE-2b: EU GHG data	15 January 2013
AE-1: LRTAP data	15 February 2013
CDDA-1: Designated areas	15 March 2013
E-PRTR1: European Pollutant Transfer Register	31 March 2013
AE-2: UNFCCC data	15 April 2013
NRT03: 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 2012.

(**) 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.

The overall principle for the evaluation of the priority data flows has remained constant. For data flows that require countries to deliver annual measurement data, a timely delivery in the appropriate format merits two smileys as these are the basics for efficient compilation of a European dataset. The third smiley is awarded as an indication of completeness of the delivery. This criterion has gradually 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 data flows presented in this report are a subset of EEA's data collection activities. They represent less than half of the total number of more than 2500 data deliveries received during the period 1 May 2012 to 30 April 2013. The total number of

deliveries for individual priority data flows (with the exception of reporting on monthly ozone and near real time ozone) ranges from around 25 to around 150. There are several reasons for countries making multiple deliveries in an annual cycle. Updated deliveries respond to issues raised by on-going quality checks at national and European levels. Countries may also provide supplementary deliveries containing data for previous years to complete gaps in time series.

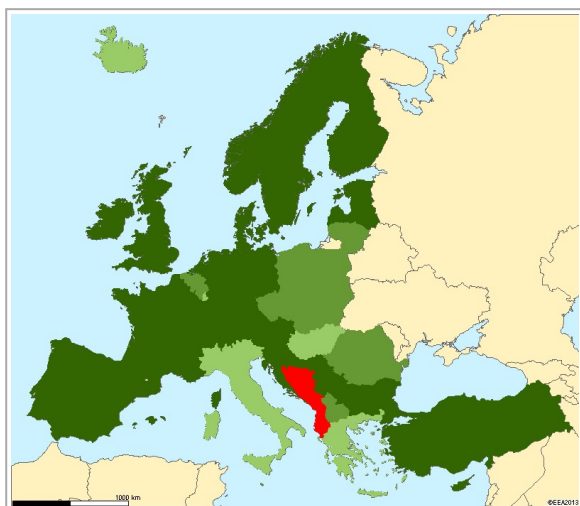
The remaining data deliveries received during the mentioned period respond to more than 100 different reporting obligations, including the following prominent EU legislation:

- Marine Strategy Framework Directive (2008/56/EC)
- Water Framework Directive (2000/60/EC)
- Floods Directive (2007/60/EC)
- Environmental Noise Directive (2002/49/EC)
- Bathing Water Directive (2006/7/EC)
- CO₂ emissions from passenger cars (Regulation 2009/443/EC)
- Nitrates Directive (2002/49/EC)
- Birds Directive (1979/409/EEC)
- Habitats Directive (92/43/EEC)
- IPPC Directive (2008/1/EC)
- Waste Incineration Directive (2000/76/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.

Automated data checking routines are in place in Reportnet for almost all data collections (priority data flows and others). The number of automated routines where an initial feedback is made available online within minutes of delivery has increased as appropriate reporting formats are adopted for the data collections. These automated routines supplement the detailed checks performed by thematic experts. The results of the detailed checks may be made available in Reportnet or via published reports that accompany the European dataset.

Data flow AE1: LRTAP data



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

- 9 countries with a score of 2 points: Belgium, Czech Republic, Former Yugoslav Republic of Macedonia, Kosovo under UNSCR 1244/99, Lithuania, Malta, Poland, Romania, Slovakia

- 5 countries with a score of 1 point: 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 SO₂, NO_x, CO, NMVOC, NH₃ (at least 1990–2011) and PM₁₀ (at least 2000–2011) by 15 February 2013.



Data available on time (by 15 February 2013).



Data delivered after 15 February 2013.



No delivery available.

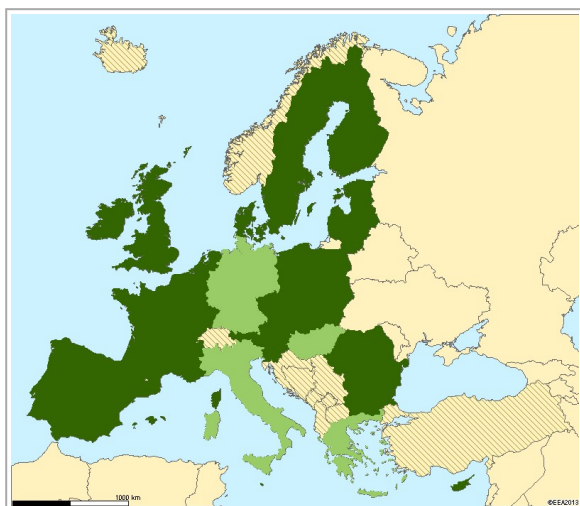
European datasets Air emissions data published through [EEA Data Service](#)
Air pollutant emissions (LRTAP) data viewer in [EEA Data Service](#)


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


- 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




 23 countries with a score of 3 points: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, 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: Germany, Greece, Hungary, Italy

 No country in this category

 This data flow is not applicable (N/A) to 12 countries: Albania, Bosnia and Herzegovina, Croatia, 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 2010 and 2011 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 2012 and in the format specified and without modifications to the reporting template.



NEC data delivered in time (by 31 December 2012).



NEC data delivered after 31 December 2012.



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](#):

- 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



- 33 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, Turkey, United Kingdom

- No country in this category

- 1 country with a score of 1 point: Kosovo under UNSCR 1244/99

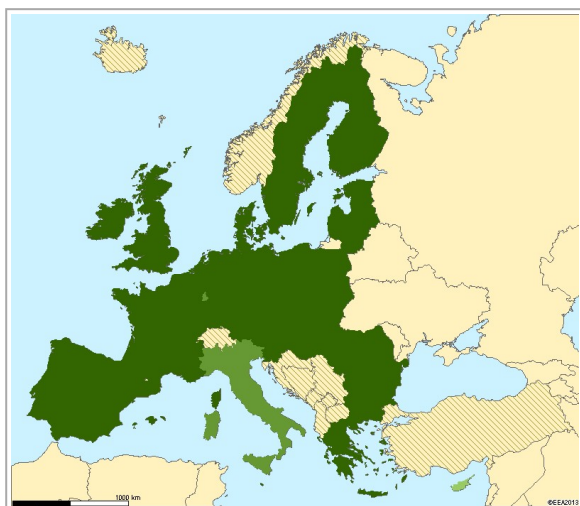
- 5 countries did not deliver data: Albania, Bosnia and Herzegovina, Former Yugoslav Republic of Macedonia, Montenegro, Serbia

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](#)).

	Complete time series made available from 1990–2011 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 2013.
	Data in XML format available on time (by 15 April 2013).
	Data delivered with delay (after 15 April 2013) 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



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

2 countries with a score of 2 points: Italy, Luxembourg

1 country with a score of 1 point: Cyprus

No country in this category

This data flow is not applicable (N/A) to 12 countries: Albania, Bosnia and Herzegovina, Croatia, 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](#)).



Greenhouse Gas Monitoring Mechanism (EU GHG MM) data and preliminary inventory report delivered in time (by 15 January 2013) including all requested gases and in the specified XML format.



GHG data delivered in time and in the specified XML format (by 15 January 2013).



GHG data delivered with delay (15-31 January 2013) or not in the specified XML format.



No GHG data delivered or significantly delayed (after 31 January 2013).

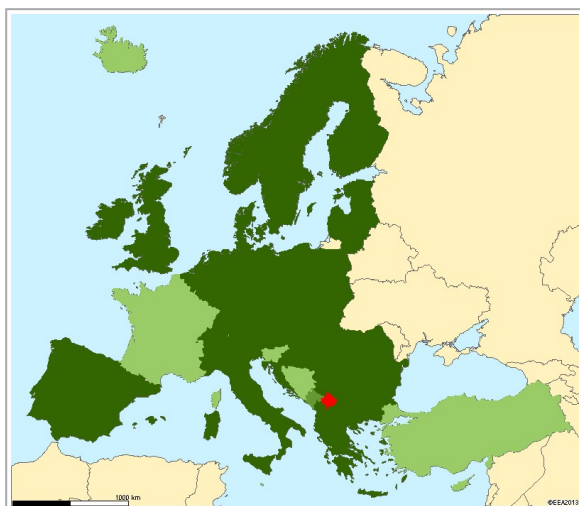
European datasets Greenhouse gas emissions data published through [EEA Data Service](#)
Greenhouse gas emissions data viewer in [EEA Data Service](#)

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



29 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, Slovakia, Spain, Sweden, Switzerland, United Kingdom

1 country with a score of 2 points: Montenegro

8 countries with a score of 1 point: Bosnia and Herzegovina, Cyprus, France, Iceland, Liechtenstein, Malta, Slovenia, Turkey

1 country did not deliver data: Kosovo under UNSCR 1244/99

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](#)).



2011 data delivered in time and includes particulate matter (Black Smoke, TSP, PM₁₀, PM_{2.5}, PM_{1.0}).



2011 data delivered in time (not later than 1 October 2012).



Delivery available but not meeting criteria for content and/or timeliness.



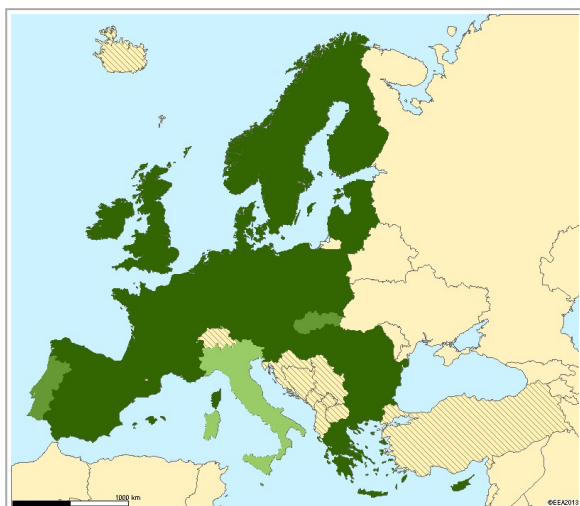
No delivery available.

European datasets [AirBase data published through EEA Data Service](#)
[Map viewer](#) for AirBase data.

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

- 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



24 countries with a score of 3 points: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Latvia, Lithuania, Luxembourg, Netherlands, Norway, Poland, Romania, Slovenia, Spain, Sweden, United Kingdom

3 countries with a score of 2 points: Malta, Portugal, Slovakia

1 country with a score of 1 point: Italy

No country in this category

11 countries did not actively participate in this data flow: Albania, Bosnia and Herzegovina, Croatia, Former Yugoslav Republic of Macedonia, Iceland, Kosovo under UNSCR 1244/99, 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 2012 data flow is voluntary for countries which are not EU Member States.



Annual air quality in zones and agglomerations for 2011 for all required pollutants delivered in CDR using the questionnaire by 30 September 2012 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 2011 for all required pollutants delivered in CDR using the questionnaire by 30 September 2012 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.

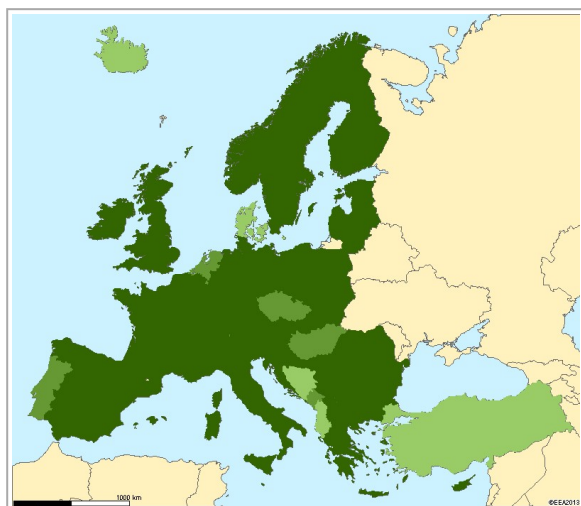


No information delivered.

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



- 28 countries with a score of 3 points: Austria, Belgium, Bulgaria, Croatia, Cyprus, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Ireland, Italy, Kosovo under UNSCR 1244/99, Latvia, Lithuania, Luxembourg, Malta, Norway, Poland, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom

- 6 countries with a score of 2 points: Czech Republic, Hungary, Liechtenstein, Montenegro, Netherlands, Portugal

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

- No country in this category

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.



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 2012 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 2012 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.

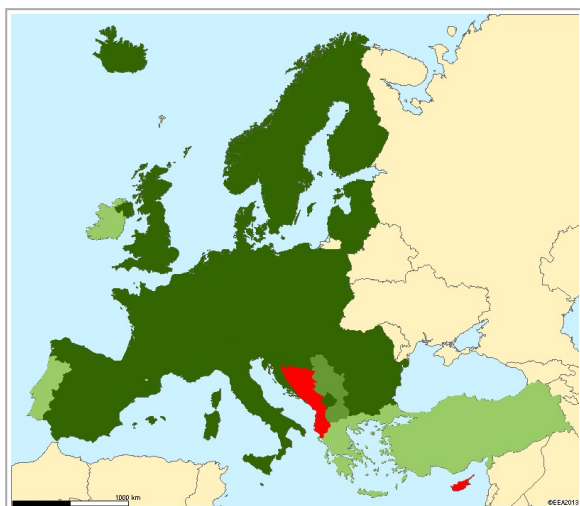


No 2012 data delivered.

European datasets [Provisional ozone exceedances](#)

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

Data flow CDDA1: Designated areas



- 28 countries with a score of 3 points: Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Iceland, Italy, Kosovo under UNSCR 1244/99, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom

- 2 countries with a score of 2 points: Former Yugoslav Republic of Macedonia, Serbia

- 4 countries with a score of 1 point: Greece, Ireland, Portugal, Turkey

- 5 countries did not meet the minimum criteria: Albania, Bosnia and Herzegovina, Cyprus, Liechtenstein, Montenegro

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 2013 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 2013 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.



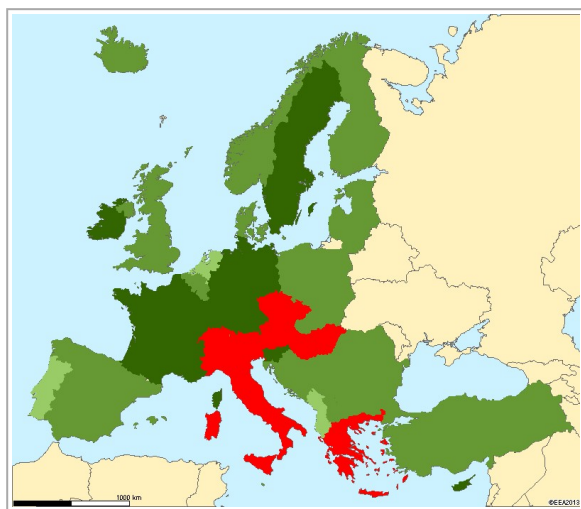
No data made available or less than 30 % of the nationally designated areas reported have the required attributes.

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



-
- 6 countries with a score of 3 points: Cyprus, France, Germany, Ireland, Slovenia, Sweden
-
- 23 countries with a score of 2 points: Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, Iceland, Kosovo under UNSCR 1244/99, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Norway, Poland, Romania, Serbia, Slovakia, Spain, Turkey, United Kingdom
-
- 4 countries with a score of 1 point: Albania, Montenegro, Netherlands, Portugal
-
- 6 countries did not meet the minimum criteria: Austria, Czech Republic, Greece, Hungary, Italy, 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 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 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 2012, 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.

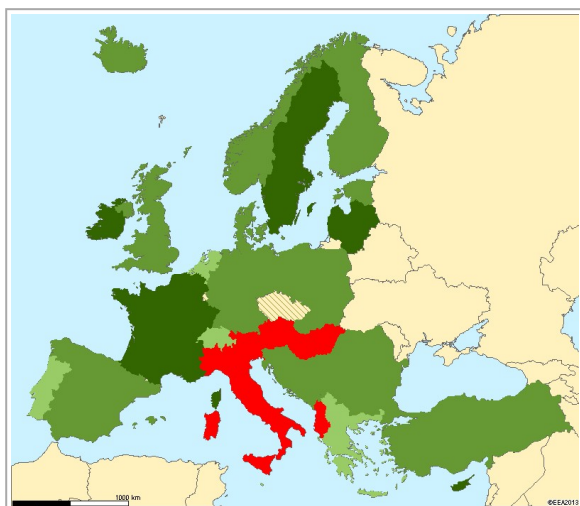
European datasets [Waterbase data](#) published through EEA data service

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

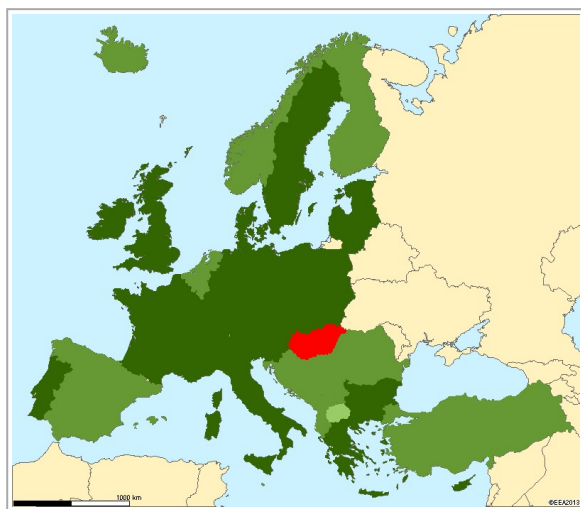


No data delivery under WISE-SoE data collection 2012, no communication, or data could not be processed because it was not delivered in the requested format or did not follow the basic quality criteria or was delivered after the data processing period.

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



-
- 21 countries with a score of 3 points: Austria, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, France, Germany, Greece, Ireland, Italy, Latvia, Lithuania, Luxembourg, Poland, Portugal, Slovakia, Slovenia, Sweden, Switzerland, United Kingdom

 - 15 countries with a score of 2 points: Albania, Belgium, Bosnia and Herzegovina, Croatia, Finland, Iceland, Kosovo under UNSCR 1244/99, Malta, Montenegro, Netherlands, Norway, Romania, Serbia, Spain, Turkey

 - 2 countries with a score of 1 point: Former Yugoslav Republic of Macedonia, Liechtenstein

 - 1 country did not meet the minimum criteria: Hungary
-

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 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.

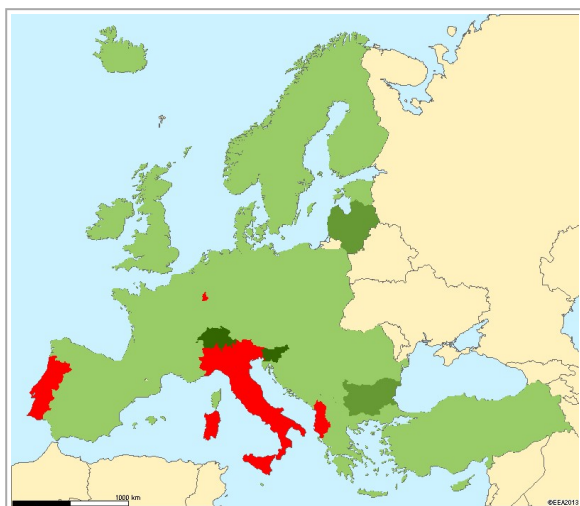


No data delivery under WISE-SoE data collection 2012, no communication; or data could not be processed because it was not delivered in the requested format or did not follow the basic quality criteria or was delivered after the data processing period.

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

3 countries with a score of 2 points: Bulgaria, Latvia, Lithuania

30 countries with a score of 1 point: Austria, Belgium, Bosnia and Herzegovina, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Kosovo under UNSCR 1244/99, Liechtenstein, Malta, Montenegro, Netherlands, Norway, Poland, Romania, Serbia, Slovakia, Spain, Sweden, Turkey, United Kingdom

4 countries did not deliver data: Albania, Italy, Luxembourg, Portugal

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 a 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 2012; or
- 1b. Timely delivery, but the delivered data do not meet the above mentioned requirements for a 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 2012, 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.

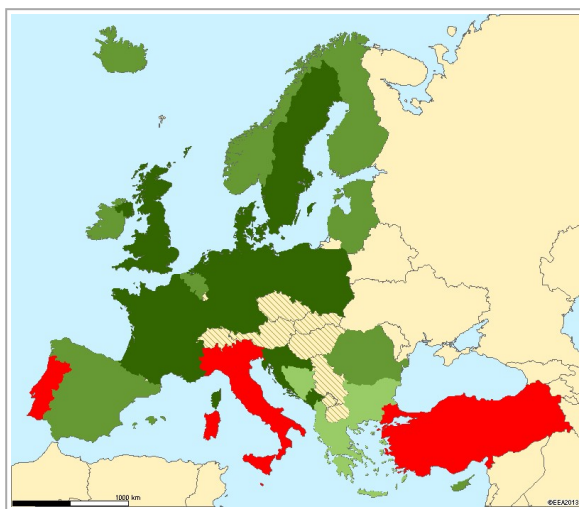
Related indicators [EEA core set of indicators](#):

- 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



10 countries with a score of 3 points: Croatia, Denmark, France, Germany, Montenegro, Netherlands, Poland, Slovenia, Sweden, United Kingdom

11 countries with a score of 2 points: Belgium, Cyprus, Estonia, Finland, Iceland, Ireland, Latvia, Lithuania, Norway, Romania, Spain

4 countries with a score of 1 point: Albania, Bosnia and Herzegovina, Bulgaria, Greece

4 countries did not meet the minimum criteria: Italy, Malta, Portugal, Turkey

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/Total Oxidised Nitrogen*;
3. Delivery of data 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 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 2012, 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.

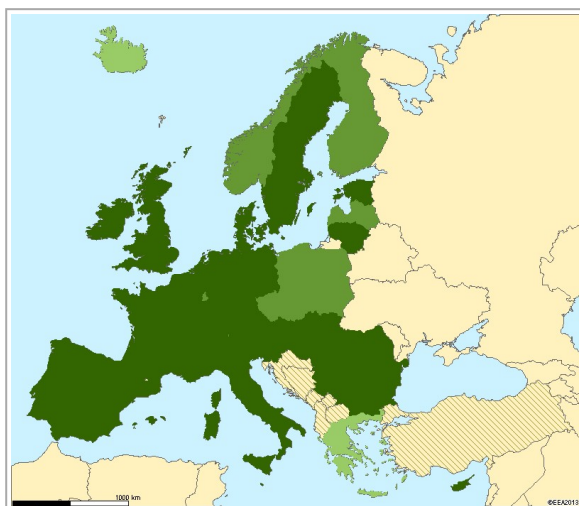
European datasets [Waterbase data](#) published through EEA data service

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 E-PRTR1: European Pollutant Release and Transfer Register



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

7 countries with a score of 2 points: Czech Republic, Finland, Latvia, Liechtenstein, Luxembourg, Norway, Poland

2 countries with a score of 1 point: Greece, Iceland

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](#) (CIRCABC password required).



E-PRTR data available in CDR by 31 March 2013 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 2013) in the specified XML format.



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

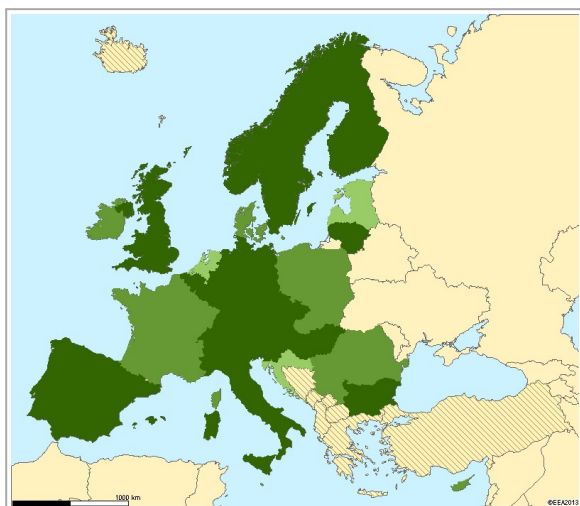


No E-PRTR data delivered.

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



18 countries with a score of 3 points: Austria, Belgium, Bulgaria, Czech Republic, Finland, Germany, Hungary, Italy, Liechtenstein, Lithuania, Luxembourg, Norway, Portugal, Slovenia, Spain, Sweden, Switzerland, United Kingdom

9 countries with a score of 2 points: Cyprus, Denmark, France, Ireland, Malta, Poland, Romania, Serbia, Slovakia

4 countries with a score of 1 point: Croatia, Estonia, Latvia, Netherlands

No country in this category

8 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, 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.



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.

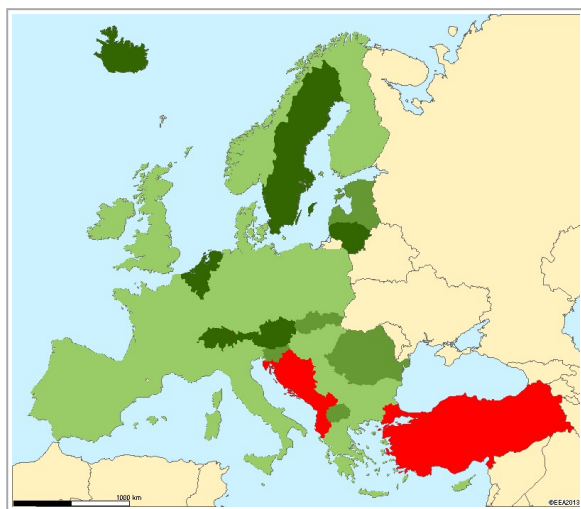


Criteria not applied for this data flow.

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.

Data flow WISE1: Emissions to water



- 7 countries with a score of 3 points: Austria, Belgium, Iceland, Lithuania, Netherlands, Sweden, Switzerland
- 6 countries with a score of 2 points: Estonia, Former Yugoslav Republic of Macedonia, Latvia, Romania, Slovakia, Slovenia
- 19 countries with a score of 1 point: Bulgaria, Cyprus, Czech Republic, Denmark, Finland, France, 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).

If emission data have already been provided under UWWTD, WFD, SoE Quantity or SoE TCM reporting obligations and are flagged as such in the SoE emission reporting, then 1 or 2 points will be scored (1 if point source emissions data are provided via another reporting source, and flagged, 2 if point and diffuse are provided, and flagged.) It is not possible to attain 3 points simply through flagging other reporting streams **which cover only part of the total emissions requested**. However, the flagging of data or a possible transfer of reported total emissions (point and diffuse source, respectively) reported under other reporting streams at EU level with reference to [reporting sheet EMI_SW_GW](#), will ensure at least one point is scored.

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

In the case the country is providing the emissions to water data under UWWTD, WFD, SoE Quantity or SoE TCM reporting obligations, but reporting within SoE Emissions to water is missing at all, no positive score point can be attained.

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

Data flow WISE1: Emissions to water (continued)



1. Reply to critical QA issues on previously reported data as specified in 'Validation questions'; and
2. At least two determinands for Nutrients and Organic Matter Emission Discharges from Point Sources; and
3. At least two determinands for any Emission Discharges from Diffuse Sources (if not delivered in past years); and
4. At least three determinands for Hazardous substances Emission Discharges from Point Sources; and
- 5a. Emission values for any Emission Discharges from Point Sources split at least for Urban and Industrial discharges; or
- 5b. Emission values for any Emission Discharges from Point Sources split at least for non E-PRTR facilities or for both E-PRTR and non-E-PRTR Facilities. (for countries reporting under E-PRTR only).

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.



1. At least two determinands for Nutrients and Organic Matter Emission Discharges from Point Sources; and
2. At least three determinands for Hazardous substances Emission Discharges from Point Sources; and
- 3a. Emission values for any Emission Discharges from Point Sources split at least for Urban and Industrial discharges; or
- 3b. Emission values for any Emission Discharges from Point Sources split at least for non E-PRTR facilities or for both E-PRTR and non-E-PRTR Facilities (for countries reporting under E-PRTR only).

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. At least one determinand for any Emission Discharges from Point Sources; or
 - 1b. At least one determinand for any substance from Diffuse Sources (if not delivered in past years)
-



No data delivery under WISE-SoE data collection 2012, 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.

Table 2.1 Data flow analysis for Albania





















Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			No information available in CDR on 23 April 2013.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			No information available in CDR (30 June 2013).
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 2011. Both active stations monitor PM ₁₀ . Response to feedback provided provided.
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2012 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			Four monthly reports during 2012 provided on time in CDR but July data provided with delay (8 October) and no information in CDR for August. Summer report delivered on time. EoI codes not provided.
CDDA1: Designated areas			No updated data delivery, or confirmation of draft provided by EEA, available in CDR by 31 May 2013.
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 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			Data delivered on time, but not 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 not delivered. Proxy pressures data provided. Only short or very short time series on preferred SoE available. Biology data not delivered without explanation.
EWN2: Lake quality			Data delivered on time, but not in the requested format. Dataset could not be processed.
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⁾	N/A		No data delivery under WISE-SoE data collection 2012.
ME1: Marine data			Data delivered on time. Data provided on: 4 preferred nutrients in seawater, pressures 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⁾	N/A		No data delivery under WISE-SoE data collection 2012.

⁽¹⁾ The scores are provided for information only.

Table 2.2 Data flow analysis for Austria

Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report also provided.
AE1b: NEC data			Full time series from 1990 to 2011 delivered on time in CDR. Requested format used. National inventory report provided.
AE2: UNFCCC data			Complete time series on time in CDR. National inventory report provided. CRF XML format provided but in zip file so automatic QA cannot run.
AE2b: EU GHG data			Full time series (1990–2011) 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. Short inventory report provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Historical data provided. Response to feedback report provided.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 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 2012 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery within acceptable time limit (20 March 2013) in CDR. 1202 sites reported. All sites have information on designation, IUCN category and size. Coordinates are provided for more than 99 % of sites (1199). Boundaries are reported for 98 % with tabular data (1182).
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 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			No data delivery under WISE SoE data collection 2012.
EWN2: Lake quality			No data delivery under WISE SoE data collection 2012.
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: only 1 regional parameter at SU level for all (8) SU of which 100 % in monthly scale. Reported point data in all SUs (100 %); for 50 % of SUs, 6 % of the available streamflow stations of which 100 % of time series in daily scale, 5 % 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. They are split both to urban and industrial discharges and to discharges from E-PRTR and non-E-PRTR facilities. 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Partial time series SO ₂ , NO _x , CO, NMVOC, NH ₃ 1990,2000,2005–2011;PM10 2000,2005–2011. LRTAP/EMEP emission inventory status report also provided.
AE1b: NEC data			Inventory delivered on time for years 1990,2000,2005–2011. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Complete time series on time in CDR as delivered for the EU monitoring mechanism. National inventory report provided. Response to UNFCCC review provided. CRF XML format provided.
AE2b: EU GHG data			Full time series (1990–2011) 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 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report has been provided.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 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. Response provided to ETC feedback report.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time to CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Data delivered on time: 1904 sites provided. All sites have information on site designation, IUCN category and size. Boundaries have been reported for 1515 sites (79.6 %). Coordinates provided for 77 % of the reported sites and EEA has been requested to calculate the values where boundary data is available.
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 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			Data delivered on time and in the requested format. Feedback to reported issues provided. 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. Some 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 provided. 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: 89 regional parameters at RBD level for 30 % of RBDs of which 30 % in monthly scale. Reported point data for 28 % of RBDs.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in sediment and seawater, 5 preferred nutrients in seawater, pressures, direct discharge 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 with a slight delay (30 November 2013). Emission discharges from point sources are provided for 6 nutrients or organic matter determinands and 32 hazardous substances. They are split both to urban and industrial discharges and to discharges from E-PRTR and non-E-PRTR facilities. Emission discharges from diffuse sources are not provided. 5 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			No information available in CDR on 23 April 2013.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			No information available in CDR (30 June 2013).
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			Data delivered with delay (29 October 2012). No data reported for particulate matter in 2011. Response provided to feedback on the delivery.
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2012 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			Two monthly reports during 2012 provided on time in CDR but data for May delivered with slight delay (1 July) and no information in CDR for July, August or September. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			No updated data delivery, or confirmation of draft provided by EEA, available in CDR by 31 May 2013.
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 2011–2012	Progress 2012–2013	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. Some long 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. 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.
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 2010 are 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. Reported 9 regional parameters at country scale. Reported data relevant to Water Quantity in EUROSTAT/OECD JQ 2012
ME1: Marine data			Data delivered on time. Data provided on: nutrients in seawater (no preferred), riverine inputs 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⁾	N/A		No data delivery under WISE-SoE data collection 2012.

⁽¹⁾ The scores are provided for information only.

Table 2.5 Data flow analysis for Bulgaria

Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report also provided.
AE1b: NEC data			Inventory delivered on time for years 2010–2011. Projections provided for 2010, 2015 and 2020. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Complete time series on time in CDR. National inventory report provided. CRF XML format provided but in zip file so automatic QA cannot run.
AE2b: EU GHG data			Full time series (1988–2011) 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 2011. More than 50 % active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report has been provided.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 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. Response provided to ETC feedback report.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 1016 sites. All sites have information on designation, size and valid IUCN categories. Boundaries have been reported for 99 % of the sites.
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 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			Data delivered on time and in the requested format. Feedback to reported issues provided. 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.
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. Some long time series on preferred SoE 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: 23 regional parameters at RBD level for 100 % of RBDs of which 100 % in monthly scale.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in seawater, 4 preferred nutrients in seawater.
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. No reply to critical QA issues on previously reported data. Missing realistic spatial unit for all delivered data. Emission discharges from point sources are provided for 3 nutrients or organic matter determinands and 8 hazardous substances. They are not split. 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report provided.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Complete time series on time in CDR. National inventory report provided. CRF XML format available but inside zip file and therefor cannot be automatically checked. Delivery on time to UNFCCC.
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 2011. More than 50 % active stations monitoring PM ₁₀ . No data provided for 4 th Daughter Directive pollutants. Response to feedback report available.
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2012 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 437 sites reported. All sites have information on IUCN category, size, coordinates and site designation. Boundaries have been reported for all sites.
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 2011–2012	Progress 2012–2013	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. 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. 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. List of GW bodies with most important attributes data provided. GIS data missing.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Reported only point data. Did not report the total number of available stations.
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 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⁾	N/A		No data delivery under WISE-SoE data collection 2012.

⁽¹⁾ The scores are provided for information only.

Table 2.7 Data flow analysis for Cyprus

Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report also provided.
AE1b: NEC data			Inventory delivered on time for years 2010–2011. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Complete time series on time in CDR as delivered for EU monitoring mechanism. National inventory report provided. CRF XML format provided but restricted from public access.
AE2b: EU GHG data			Full time series (1990–2011) delivered with delay (24 January 2013) in CDR for all gases in the criteria. CRF XML format provided. National inventory report has been provided.
AQ1: EoI data			Data delivered on with slight delay (9 October 2012). Data on particulate matter available for 2011 including monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report has been provided.
AQ2: Air quality questionnaire			Questionnaire delivered within time frame in CDR (9 October 2012). Forms 8 and 9 contain information on whether 2011 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the agglomeration 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. Response provided to ETC feedback.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Full summer report delivered . Requested metadata provided.
CDDA1: Designated areas			No updated data delivery, or confirmation of draft provided by EEA, available in CDR by 31 May 2013.
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 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			Data delivered on time and in the requested format. No feedback to reported issues. 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 but broken 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 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. Reported: 18 regional parameters at RBD level for 100 % of RBDs of which 33 % in monthly scale. Did not report the total number of available stations.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in biota (no preferred substances) and seawater, 4 preferred nutrients in seawater.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage and reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾	N/A		No data delivery under WISE-SoE data collection 2012, 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Partial time series SO ₂ , NO _x , CO, NMVOC, NH ₃ 2011; PM ₁₀ 2011. LRTAP/ EMEP emission inventory status report not provided.
AE1b: NEC data			Inventory delivered on time for years 2010–2011. Delivery in correct format. National inventory report not provided.
AE2: UNFCCC data			Delivery on time to UNFCCC and slightly later to CDR (16 April 2013). National inventory report provided. CRF XML format provided.
AE2b: EU GHG data			Data delivered on time to CDR. Full time series (1990–2011) delivered 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 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Historical data provided. Response to feedback report provided.
AQ2: Air quality questionnaire			Questionnaire delivered within time frame in CDR (1 October 2012). Forms 8 and 9 contain information on whether 2011 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 15 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 previous year. Response provided to ETC feedback.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Full summer report delivered with a slight delay (6 November). Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 2376 sites reported. All sites have designation, size, IUCN category, coordinates and site boundary.
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 2.8 Data flow analysis for the Czech Republic (continued)















Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			No data delivery under WISE SoE data collection 2012. Future deliveries also uncertain.
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⁾			Data delivered on time. No point data were reported. 5 regional parameters at RBD level for 100 % of RBDs of which 100 % in monthly scale.
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. They are not split. Emission discharges from diffuse sources are not provided. 2 determinands from diffuse sources reported in past years (more than 2 years ago).

⁽¹⁾ The scores are provided for information only.

Table 2.9 Data flow analysis for Denmark

Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report also provided.
AE1b: NEC data			Inventory delivered on time for years 1980–2011. Delivery in correct format. National inventory report not provided.
AE2: UNFCCC data			Complete time series on time in CDR. Separate time series provided for different geographical coverages. National inventory report provided. CRF XML format provided. Delivery on time to UNFCCC.
AE2b: EU GHG data			Full time series (1990–2011) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Short inventory report also provided.
AQ1: EoI data			Data delivered on time to CDR but the envelope was released with delay. Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Historical data provided. Response to feedback report provided.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 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 2012 provided on time in CDR. Data for May is still in draft status and there were delays for July (3 September) and September (7 November). Full summer report delivered with delay (14 November). Requested metadata has been provided.
CDDA1: Designated areas			Delivery on time: 2267 sites reported for Denmark and Greenland. All sites have information on IUCN category and site designation. Coordinates have been reported or calculation requested for all sites. Size has been reported for 2266 sites (more than 99 %). Boundaries provided for 1922 sites (85 %).
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 2011–2012	Progress 2012–2013	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 not 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 4 preferred SoE nutrient delivered. Hazardous substances data not 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: 14 regional parameters at Country level. DK only reported the total number of available wells.
ME1: Marine data			Data made available through ICES. Data provided on: hazardous substances in biota (preferred substances) and sediment, 5 preferred nutrients in seawater.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage and reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾			Data delivered with a slight delay (16 November 2012). Emission discharges from point sources are provided for 2 nutrients or organic matter determinands and no hazardous substances. They are split to urban and industrial discharges. 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report provided.
AE1b: NEC data			Inventory delivered on time for years 1990–2011. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Complete time series available in CDR on time. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data			Full time series (1990–2011) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Short inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback provided.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 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 2012 provided on time in CDR. Full summer report delivered on time. Requested metadata provided. Delivery of summer report is again 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: 11593 sites reported. All sites have information on designation and IUCN category. Size information provided for 11583 sites (more than 99 %). Site boundary data provided for 10627 sites (more than 90 %). Spatial information for a number of designations is officially restricted in Estonia. More than 75 % of sites have public coordinates.
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 2011–2012	Progress 2012–2013	Remark
EWN1: River 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. Some 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 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 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. 38 regional parameters reported for 67 % of RBDs, 30 % of them in monthly scale. Did not report the total number of available stations.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in biota (preferred substances), 5 preferred nutrients in seawater, riverine inputs and direct discharge. Have not replied to critical QA issues on previously reported data.
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 6 nutrients or organic matter determinands and 12 hazardous substances. They are split both to urban and industrial discharges and to discharges from E-PRTR and non-E-PRTR facilities. 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report also provided.
AE1b: NEC data			Inventory delivered on time for years 1980–2011. Requested format used. National inventory report provided.
AE2: UNFCCC data			Complete time series provided on time in CDR under the EU monitoring mechanism folder. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data			Full time series (1990–2011) 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 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Significant quantity of historical data provided. Response to feedback report provided.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 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 changed from the previous year. Information on GIS boundaries for all zones and agglomerations listed in Form 2 provided in CDR. Response provided to ETC feedback.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Data delivered on time: 10632 sites reported. All sites have designation, coordinates, IUCN category and size information. Boundary data provided for 10527 sites (more than 99 %).
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 2011–2012	Progress 2012–2013	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. 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 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. 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⁾			Reported data relevant to Water Quantity in EUROSTAT/OECD JQ 2012
ME1: Marine data			Data made available through ICES. Data provided on: 5 preferred nutrients in seawater.
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 delivery in 2012. 2 determinands from diffuse sources reported in past years, but more than 2 years ago. Data from E-PRTR inserted.

⁽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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Partial time series provided for SO ₂ , NO _x , CO, NMVOC, NH ₃ 1990–2000, 2011. PM ₁₀ not reported but information is available for TSP. LRTAP/EMEP emission inventory status report not provided.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			No information available in CDR (30 June 2013).
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 2011. More than 50 % active stations monitoring PM ₁₀ . Response to feedback report provided.
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2012 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivered on time: 77 sites reported. Three sites marked for deletion. All sites have designation and IUCN category information . Coordinates are missing for only two sites (less than 5 %). Size information has not been reported for 17 sites (more than 20 %). Boundary data are available for more than 75 % of the reported sites.
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 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			Data delivered on time and in the requested format. Feedback to reported issues provided. 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 provided. Some long time series on preferred SoE 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 3 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided. Some long time series on preferred SoE available. Biology data delivered.
EWN3: Groundwater quality			Data delivered on time and in the requested format. Only data on monitoring sites and GW bodies provided.
EWN4: Water quantity ⁽¹⁾			Data delivered on time. Reported both regional and point data. Reported: 45 regional parameters at country level all in annual scale. 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⁾	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. They are split to urban and industrial discharges. 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report also provided.
AE1b: NEC data			Inventory delivered on time for years 1980–2011. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Complete time series on time in CDR as delivered for the EU monitoring mechanism. CRF XML format provided. Updated national inventory report provided. Delivery on time to UNFCCC.
AE2b: EU GHG data			Full time series (1990–2011) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Short inventory report provided.
AQ1: EoI data			Data delivered with a slight delay (5 October 2012) . Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Some data provided for 4 th Daughter Directive pollutants. Historical data provided. Response to feedback report available.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 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. No declaration on whether zone boundaries have changed. Geospatial file provided. Response provided to ETC feedback.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery in CDR on time: 2712 sites reported. More than 95 % of sites have designations and coordinates (2619). Valid IUCN categories reported for 2706 sites (more than 99 %). Information on size available for 2643 sites (more than 95 %). Boundaries provided for 2647 sites (98 %).
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report available.

Table 2.13 Data flow analysis for France (continued)














Data flow name	Progress 2011–2012	Progress 2012–2013	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. Long 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 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. Reported: 20 regional parameters at RBD level for 50 % of the RBDs none of which in monthly scale. Did not report the total number of available stations.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in biota (preferred substances) and sediment, 5 preferred nutrients in seawater.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage and reliable during the ozone season.
WISE1: Emissions to water ⁽¹⁾			No new delivery in 2012. Emission data on 1 determinand from diffuse sources redelivered, but data is more than 2 years old now.

⁽¹⁾ The scores are provided for information only.

Table 2.14 Data flow analysis for Germany

Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report also provided.
AE1b: NEC data			Inventory delivered with delay to CDR (21 January 2013) for years 1980–2011. Delivery in correct format. National inventory report provided.
AE2: UNFCCC data			Complete time series on time in CDR as delivered for the EU monitoring mechanism. CRF XML format provided. Delivery of same version on time to UNFCCC. Updated/English language version of national inventory report provided to UNFCCC.
AE2b: EU GHG data			Full time series (1990–2011) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Short inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2011. 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 2011 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 that boundaries have been changed since previous year. 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 2012 provided on time in CDR. Summer report delivered on time. Requested metadata provided. Information on the number of valid measurements for the summer period not provided.
CDDA1: Designated areas			Delivery on time: 16770 sites reported. All sites have designation, size and a IUCN category. Boundary data provided for 97 % of reported sites (16251) and EEA has been requested to calculate the values where boundary data is available.
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 2011–2012	Progress 2012–2013	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 partly 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. 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 4 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data 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. 70 monitoring sites are missing. GIS data for GW bodies and list of GW bodies and pressure data provided. 4 GW bodies do not have an RBD code.
EWN4: Water quantity ⁽¹⁾			Data delivered on time but 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 biota (preferred substances), sediment and seawater, 5 preferred nutrients in seawater.
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⁾	N/A		No data delivery under WISE-SoE data collection 2012, data from E-PRTR and UWWTD inserted.

⁽¹⁾ The scores are provided for information only.

Table 2.15 Data flow analysis for Greece




















































Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Slightly delayed delivery in CDR (18 February 2013). Requested length of time series provided for SO ₂ , NO _x , CO, NMVOC, NH ₃ but no information for PM ₁₀ . LRTAP/EMEP emission inventory status report not provided.
AE1b: NEC data			Inventory delivered with delay to CDR (14 January 2013) for years 2010–2011. Delivery in correct format. National inventory report not provided.
AE2: UNFCCC data	  	  	Delivery on time to UNFCCC and later to CDR (16 May 2013). CRF XML format available but inside zip file and therefor cannot be automatically checked. National inventory report provided.
AE2b: EU GHG data	  	  	Full time series (1990–2011) 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. Short inventory report also provided.
AQ1: EoI data	  	  	Data delivered on time. Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. No data provided for 4 th Daughter Directive pollutants. Historical data provided. Response to feedback report available.
AQ2: Air quality questionnaire	  	  	Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 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. No response provided to ETC feedback.
AQ2b: Monthly and summer ozone data	  	  	All monthly reports for 2012 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas	  		Confirmation that the data is unchanged from previous year provided in CDR with delay (13 June 2013).
E-PRTR1: European Pollutant Release and Transfer Register	  		Data delivered to CDR with delay (8 May 2013). Data in specified xml format. Completeness report not available in CDR.

Table 2.15 Data flow analysis for Greece (continued)

Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			Data delivered with a slight delay (13 Nov 2012) but in incompatible format. No communication. Delivery could not be processed.
EWN2: Lake quality			Data delivered with a slight delay (14 Nov 2012) and in the requested format. Monitoring stations with coordinates provided. Data on 2 preferred SoE nutrients delivered. Hazardous substances data not delivered. Proxy pressures data not provided. Short time series on preferred SoE available. Biology data delivered.
EWN3: Groundwater quality			Data delivered with a slight delay (19 November 2013) and in the requested format. All 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
EWN4: Water quantity ⁽¹⁾	N/A		Data delivered on time. Both regional and point data reported. Reported: 8 regional parameters at RBD level for 43 % of RBDs all in annual scale; point data for 33 % of the available steamflow stations for 20 % of RBDs all in monthly and annual scale; 55 % of the available groundwater wells for 71 % of RBDs all in monthly scale. No data for reservoirs.
ME1: Marine data			Data delivered on time. Data provided on: 3 preferred nutrients in seawater and pressures.
NRTO3: 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⁾	N/A		No data delivery under WISE-SoE data collection 2012, 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delayed delivery in CDR (7 March 2013). Partial time series SO ₂ , NO _x , CO, NMVOC, NH ₃ 2011; PM ₁₀ 2011. LRTAP/EMEP emission inventory status report provided later (25 April 2013).
AE1b: NEC data			Inventory delivered with delay to CDR (11 January 2013) for years 2010–2011. Delivery in correct format. National inventory report not provided.
AE2: UNFCCC data			Delivery to UNFCCC on time and later uploaded to CDR (15 May 2013). CRF XML format available. National inventory report provided.
AE2b: EU GHG data			Data delivered on time in CDR. Full time series (1985–2011) delivered for all gases in the criteria. CRF XML format provided. Short inventory report has been provided (23 January 2013).
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report provided.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 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. Response provided to ETC feedback.
AQ2b: Monthly and summer ozone data			Four monthly reports for 2012 provided on time in CDR. Two months delivered with slight delay: May (2 July) and July (3 September). Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery in CDR on time : 280 sites reported. All sites have IUCN category, designation and area. 273 sites have coordinates (more than 95 %). Boundaries provided for 210 sites (more than 75 %).
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 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			No data delivery under WISE SoE data collection 2012 because of lack of funding since 2008.
EWN2: Lake quality			No data delivery under WISE SoE data collection 2012.
EWN3: Groundwater quality			No data delivery under WISE-SoE data collection 2012.
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⁾	N/A		No data delivery under WISE-SoE data collection 2012, 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delayed delivery in CDR (10 April 2013). LRTAP/EMEP emission inventory status report provided.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Delivery to UNFCCC on time and later uploaded to CDR (24 April 2013). CRF XML format available. National inventory report provided.
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			Delivery delayed 4 Dec 2012. Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Some data provided for 4 th Daughter Directive pollutants. Response to feedback report available.
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2012 data flow is voluntary for countries which are not EU Member States. Questionnaire delivered with delay in CDR (16 April 2013). Forms 8 and 9 contain information on whether 2011 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 not available for lead and 4 th Daughter Directive pollutants. EoI codes provided in Forms 3 and 4 for stations used in the assessment of. Station type provided in Form 4. Boundary information is still provided as lists of coordinates rather than as GIS files or as administrative units. Boundary information is missing for zone IS1000.
AQ2b: Monthly and summer ozone data			Four monthly reports for 2012 provided on time in CDR. Information was delayed for May (12 July) and July (2 September). Summer report not delivered.
CDDA1: Designated areas			Delivery on time. 110 sites reported. All sites have information on IUCN categories, designations, size and coordinates. Boundary information provided for all sites.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivered with slight delay to CDR (9 April 2013). Data in specified xml format. Completeness report not available in CDR.

Table 2.17 Data flow analysis for Iceland (continued)

Data flow name	Progress 2011–2012	Progress 2012–2013	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 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 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. List of GW bodies with most important attributes data provided. GIS data missing.
EWN4: Water quantity ⁽¹⁾			Slightly delayed data delivery (13 Nov 2012). Both regional and point data reported. Reported: 42 regional parameters at RBD level for 100 % of RBDs, 24 % of them in monthly scale. Did not report the total number of available stations.
ME1: Marine data			Data made available through ICES. Data provided on: hazardous substances in biota (preferred substances).
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 8 hazardous substances. They are split both to urban and industrial discharges and to discharges from E-PRTR and non-E-PRTR facilities. 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report provided later (28 March 2013).
AE1b: NEC data			Inventory delivered on time for years 1990–2011. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Delivery to UNFCCC on time and later uploaded to CDR (16 April 2013). CRF XML format available. National inventory report provided.
AE2b: EU GHG data			Full time series (1990–2011) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Short inventory report provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report available.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 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 2012 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Current published data confirmed. 309 sites reported. All sites have information on IUCN categories, designations and coordinates. Size has been reported for 122 of the sites (40 %). Boundary data has been provided for 155 sites (50 %).
E-PRTR1: European Pollutant Release and Transfer Register			Delivery available on time but posted later to CDR (15 April 2013). Data in specified xml format. Completeness report available.

Table 2.18 Data flow analysis for Ireland (continued)














Data flow name	Progress 2011–2012	Progress 2012–2013	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. Some long, but often broken, 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 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 only point data. Did not report the total number of available stations.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in biota (preferred substances), 4 preferred nutrients in seawater and pressures. Reply to critical QA issues on previously reported data provided.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage and reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾	N/A		No data delivery under WISE-SoE data collection 2012, 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delayed delivery to national server (29 April 2013). Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report not available by 6 May 2013.
AE1b: NEC data			Inventory delivered with delay to national server (15 January 2013) for years 2010–2011. Delivery in older format. National inventory report not provided.
AE2: UNFCCC data			Delivery to UNFCCC on time and later uploaded to national server (17 April 2013). CRF XML format available. National inventory report provided.
AE2b: EU GHG data			Full time series (1990–2011) delivered on time on national server for all gases in the criteria. CRF XML format provided. Short inventory report not provided with January delivery.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report has been provided.
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. Nineteen regions were available on the national server by 15 October 2012. The two remaining regions delivered on the 30 October 2012 and on 4 February 2013. Revised zone boundaries were provided for two regions on 30 October 2012 and for a further region on 18 March 2013.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time. Full summer report delivered on time. Requested metadata provided. Referral links provided for national server placed in CDR.
CDDA1: Designated areas			Delivery on time in national repository. 871 sites reported. All sites have information on IUCN categories, designations and size. Coordinates and boundary information has been provide for 870 sites (more than 99 %).
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 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			No data delivery under WISE SoE data collection 2012.
EWN2: Lake quality			No data delivery under WISE SoE data collection 2012.
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⁾			No data delivery under WISE-SoE data collection 2012.
ME1: Marine data			No data delivery under WISE-SoE data collection 2012.
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⁾	N/A		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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Partial time series (2008–2011) for criteria pollutants delivered on time in CDR. LRTAP/EMEP emission inventory status report not available.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Partial time series (2010–2011) delivered in CDR with a slight delay (16 April 2013). National inventory report and 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	N/A		No data available in CDR on 31 May 2013.
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2012 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 98 sites reported. All sites have designations, IUCN categories, size and coordinates. Boundaries provided for 26 sites of the 28 sites with area greater than 1 hectare (more than 90 %).
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 2011–2012	Progress 2012–2013	Remark
EWN1: River 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. 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. Data on preferred SoE nutrients not delivered. Hazardous substances data delivered. Proxy pressures data not provided. 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 attributes data provided. GIS data missing.
EWN4: Water quantity ⁽¹⁾	N/A		Some data delivered on time but not in the requested format.
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⁾	N/A		No data delivery under WISE-SoE data collection 2012.

⁽¹⁾ The scores are provided for information only.

Table 2.21 Data flow analysis for Latvia

































Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report not provided.
AE1b: NEC data			Inventory delivered on time for years 1990–2011. Requested format used. National inventory report provided.
AE2: UNFCCC data			Delivery to UNFCCC and to CDR on time. CRF XML format available. National inventory report provided.
AE2b: EU GHG data			Full time series (1990–2011) delivered on time in CDR for all gases in the criteria although perfluorocarbon (PFC) reported as 'not occurring' / 'not applicable'. CRF XML format provided. Short inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report provided.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 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. Response provided to ETC feedback.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 708 sites reported. All sites have designation, size, IUCN category and coordinate information. More than 99 % of sites have boundary information (706).
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 2.21 Data flow analysis for Latvia (continued)

Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			Data delivered on time and in the requested format. Feedback to reported issues provided. 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. 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 not delivered. Proxy pressures data 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 3 of the 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⁾			Data delivered on time. Reported both regional and point data. Reported 54 regional parameters at RBD level for 100 % of the RBDs all of which in annual scale. Also reported point data for 100 % of RBDs. Did not report the total number of available stations.
ME1: Marine data			Data delivered on time. Data provided on: 5 preferred nutrients in seawater, direct discharge and flux stations.
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 6 nutrients or organic matter determinands and 8 hazardous substances. They are split both to urban and industrial discharges and to discharges from E-PRTR and non-E-PRTR facilities. 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report provided.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Delivery to UNFCCC on time and later uploaded to CDR (26 June 2013). CRF XML format available. National inventory report provided.
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			Delivery delayed (19 November 2012). Data on particulate matter available for 2011. No data available for heavy metals. Response to feedback report available.
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2012 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Full summer report delivered with delay (15 November) . Requested metadata provided.
CDDA1: Designated areas			No updated data delivery, or confirmation of draft provided by EEA, available in CDR by 31 May 2013.
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 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			Data delivered with a slight delay (9 Nov 2012) 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 not delivered. Proxy pressures data provided for most of the stations. 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			Data delivered on time and in the requested format. Only data on monitoring sites and GW bodies provided.
EWN4: Water quantity ⁽¹⁾			Reported streamflow station together with the Swiss data.
ME1: Marine data	N/A	N/A	Country does not have a coastline.
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⁾	N/A		No data delivery under WISE-SoE data collection 2012.

⁽¹⁾ The scores are provided for information only.

Table 2.23 Data flow analysis for Lithuania

































Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Partial time series SO ₂ , NO _x , CO, NMVOC, NH ₃ 1990,1995,2000,2005,2007–2011;PM ₁₀ 2000,2005,2007–2011. LRTAP/EMEP emission inventory status report also provided.
AE1b: NEC data			Inventory delivered on time for years 2010–2011. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Delivery to UNFCCC and to CDR on time. CRF XML format available. National inventory report provided.
AE2b: EU GHG data			Full time series (1990–2011) delivered on time in CDR for all gases in the criteria although perfluorocarbon (PFC) reported as 'not occurring' / 'not applicable'. CRF XML format provided. Short inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report provided.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 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.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 359 sites reported. All sites have designations, valid IUCN categories, size and boundary information. Coordinates are available for 352 sites (98 %).
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report delivered to CDR later (11 July 2013).

Table 2.23 Data flow analysis for Lithuania (continued)

Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			Data delivered on time and in the requested format. Feedback to reported issues provided. 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. 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 not delivered. Proxy pressures data provided. 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. Reported: 139 regional parameters at RBD level for 100 % of the RBDs in annual scale. Also reported point data for 100 % of RBDs. Did not report the total number of available stations.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in biota (preferred substances), sediment and seawater, 5 preferred nutrients in seawater. Have not replied to critical QA issues on previously reported data.
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 17 hazardous substances. They are split both to urban and industrial discharges and to discharges from E-PRTR and non-E-PRTR facilities. 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 2.24 Data flow analysis for Luxembourg



























Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delayed delivery in CDR (19 March 2013). Requested length of time series provided for SO ₂ , NO _x , CO, NMVOC, NH ₃ but no information for PM ₁₀ . LRTAP/EMEP emission inventory status report not provided.
AE1b: NEC data			Inventory delivered on time for years 2010–2011. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Delivery to UNFCCC and to CDR on time. CRF XML format available. National inventory report provided.
AE2b: EU GHG data			Full time series (1990–2011) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Short inventory report not provided with the January delivery.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report provided.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 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 2012 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 105 sites reported. All sites have designation, size, IUCN category, coordinates and site boundary information.
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 2.24 Data flow analysis for Luxembourg (continued)

Data flow name	Progress 2011–2012	Progress 2012–2013	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 provided. Long time series on preferred SoE nutrients available. Biology data delivered.
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 3 of the 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⁾	N/A		No data delivery under WISE-SoE data collection 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⁾	N/A		No data delivery under WISE-SoE data collection 2012, 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for PM10 but partial time series for SO2, NOx, CO, NMVOC, NH3 2000–2011. LRTAP/ EMEP emission inventory status report also provided.
AE1b: NEC data			Data delivered on time to CDR. Inventory provided for years 2000 –2011. Requested format used. National inventory report provided.
AE2: UNFCCC data			Delivery on time to UNFCCC and slightly later to CDR (16 April 2013). National inventory report provided. CRF XML format provided.
AE2b: EU GHG data			Full time series (1990–2011) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Short inventory report also provided.
AQ1: EoI data			Data delivered with slight delay (4 October 2012). Data on particulate matter available for 2011. More than 50 % active stations monitoring PM10. Data provided for 4 th Daughter Directive pollutants. Response to feedback report provided.
AQ2: Air quality questionnaire			Questionnaire delivered within time frame in CDR (11 October 2012). Forms 8 and 9 contain information on whether 2011 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the two zones listed in Form 2. No information provided for 4 th Daughter Directive pollutants or for Lead. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration that geographical boundaries of zones have not been changed.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 232 sites reported. All sites have designation, size, IUCN category information. 95 % of the sites have coordinate information. Boundary information provided for all sites but approximately 20 % cannot be used because codes are missing in the spatial data.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Completeness report provided in CDR.

Table 2.25 Data flow analysis for Malta (continued)

Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
EWN1: River quality	N/A		First time delivery - there are no rivers on Malta, only downstreams (acknowledged in the evaluation). Data delivered with a substantial delay (27 Feb 2013) and in the requested format. 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.
EWN2: Lake quality			Data delivered with a substantial delay (27 Feb 2013) 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 for all stations. Biology data not delivered without explanation.
EWN3: Groundwater quality			Data delivered with a delay (03 December 2012) and in the requested format. 2 of 5 requested chemical substances data provided but only in aggregated 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. Reply to critical QA issues on previously reported data received.
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 2012.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage and reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾	N/A		No data delivery under WISE-SoE data collection 2012, 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			No information available in CDR on 30 June 2013.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			No information available in CDR (30 June 2013).
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 available in CDR. Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ . Response to feedback report provided.
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2012 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Full summer report delivered with delay (14 November). Requested metadata provided.
CDDA1: Designated areas			No updated data delivery, or confirmation of draft provided by EEA, available in CDR by 31 May 2013.
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 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			Data delivered on time, but not in the requested format. No feedback to reported issues. No reply to critical QA issues on previously reported data. Monitoring stations provided without coordinates. Data on 4 preferred SoE nutrient delivered. Hazardous substances data not delivered. Proxy pressures data not provided. Very 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. Data on 4 preferred SoE nutrient delivered. Hazardous substances data not delivered. Proxy pressures data not provided. Only very short time series on preferred SoE 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⁾	N/A		Data delivered on time. Reported only point data. Did not report total number of stations
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in biota (preferred substances), sediment and seawater, 5 preferred nutrients in seawater.
NRTO3: Near real-time ozone data ⁽¹⁾	N/A	N/A	Country did not participate in this data flow.
WISE1: Emissions to water ⁽¹⁾	N/A		No data delivery under WISE-SoE data collection 2012.

⁽¹⁾ The scores are provided for information only.

Table 2.27 Data flow analysis for the Netherlands

































Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report also provided.
AE1b: NEC data			Inventory delivered on time for years 1990–2011. Requested format used. National inventory report provided later.
AE2: UNFCCC data			Complete time series on time in CDR. National inventory report provided. CRF XML format available but inside zip file and therefore cannot be automatically checked. Public access restricted to files on CDR. Delivery on time to UNFCCC.
AE2b: EU GHG data			Full time series (1990–2011) 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. Short inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Significant historical data provided. Response to feedback report provided.
AQ2: Air quality questionnaire			Questionnaire delivered on time to Central Data Repository. Forms 8 and 9 contain information on whether 2011 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. First two delivery versions were restricted from public view. Response provided to ETC feedback.
AQ2b: Monthly and summer ozone data			Five monthly reports for 2012 provided on time in CDR. Information for May provided with delay (16 July) Full summer report delivered with delay (15 November). Requested metadata provided.
CDDA1: Designated areas			Data delivered on time: 305 sites reported. 100 % have required information. Boundary data provided for all sites.
E-PRTR1: European Pollutant Release and Transfer Register			Data delivery on time to CDR. Data in specified xml format. Useful completeness report provided but as an MS Word document.

Table 2.27 Data flow analysis for the Netherlands (continued)














Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			Data delivered with a delay (17 Dec 2011) and in the requested format. Monitoring stations with coordinates provided. Data on 2 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided. Long but broken time series on preferred SoE available. Biology data delivered.
EWN2: Lake quality			Data delivered with a delay (17 Dec 2012) 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 available. Biology data delivered.
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. Reported only point data. Did not report the total number of available stations.
ME1: Marine data			Data made available through ICES. Data provided on: hazardous substances in biota (preferred substances) and sediment, 5 preferred nutrients in seawater.
NRTO3: Near real-time ozone data ⁽¹⁾			Data provided only for September 2012
WISE1: Emissions to water ⁽¹⁾			Data delivered on time. Emission discharges from point sources are provided for 3 nutrients or organic matter determinands and 83 hazardous substances. They are split both to urban and industrial discharges and to discharges from E-PRTR and non-E-PRTR facilities. Emission discharges from diffuse sources are provided for 80 determinands. 86 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report also provided.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Complete time series on time in CDR. National inventory report provided. CRF XML format provided but in a zip file so that automatic QA cannot be applied. Delivery on time to UNFCCC.
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 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Historical data provided. Response to feedback report provided.
AQ2: Air quality questionnaire			Questionnaire delivered on time to Central Data Repository. Forms 8 and 9 contain information on whether 2011 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. Information provided for lead in a revised delivery. 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. Response provided to ETC feedback.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Full summer report delivered. Requested metadata provided.
CDDA1: Designated areas			Delivery in CDR on time: 2886 sites reported. All sites have designations and IUCN category. Information on size is available for more than 98 % of the sites; the remaining sites are point features for example: Natural monuments. Coordinates provided for more than 99 % of sites. Boundary data available for 98 % of sites.
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 2.28 Data flow analysis for Norway (continued)

Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
EWN1: River 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 delivered. Proxy pressures data not provided for all stations. Mostly only short 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 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 (with delay).
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), 5 preferred nutrients in seawater. Have not replied to critical QA issues on previously reported data.
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⁾	N/A		No data delivery under WISE-SoE data collection 2012, 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Partial time series SO ₂ , NO _x , CO, NMVOC, NH ₃ 2010–2011; PM ₁₀ 2010–2011. LRTAP/EMEP emission inventory status report provided. Updated time series for years 2000–2011 for all pollutants provided later with informative inventory report (IIR) report (15 March 2013).
AE1b: NEC data			Inventory delivered on time for years 2000–2011. Requested format used. National inventory report provided.
AE2: UNFCCC data			Complete time series on time in CDR as delivered for EU monitoring mechanism. National inventory report provided. CRF XML format provided. Delivery on time to UNFCCC.
AE2b: EU GHG data			Full time series (1988–2011) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Short inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Historical data provided. Response to feedback report available.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 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. Response to ETC feedback provided.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery in CDR on time. Only site boundary data was updated in this delivery. 2186 sites reported. All sites have a designation and a IUCN category. 1944 sites have information on their size (90 %). 1842 sites have coordinates (84 %). Boundaries are now provided for more than 90 % of the sites (1991). However only 78 % can be connected with the attribute data because of missing codes.
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 2011–2012	Progress 2012–2013	Remark
EWN1: River 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. 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 4 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data not provided for 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. 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), 5 preferred nutrients in seawater. Reply to critical QA issues on previously reported data received.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage and reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾	N/A		No data delivery under WISE-SoE data collection 2012, 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report also provided.
AE1b: NEC data			Inventory delivered on time for years 1990–2011. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Complete time series on time in CDR as delivered for EU monitoring mechanism. National inventory report provided. CRF XML format provided. Delivery on time to UNFCCC.
AE2b: EU GHG data			Full time series (1990–2011) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Short inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Historical data provided. Response to feedback report available.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 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. Number of zones has been changed but no information on zone boundaries provided in CDR. No response available concerning ETC feedback.
AQ2b: Monthly and summer ozone data			Five monthly reports for 2012 provided on time in CDR. Information for May provide with a slight delay (2 July). Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Confirmation that the data is unchanged from previous year provided in CDR with delay (17 April 2013).
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 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			Data delivered with a substantial delay (28 Jan 2013) 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. Short time series on preferred SoE available. Biology data not delivered without explanation.
EWN2: Lake quality			Data delivered with a delay (11 Dec 2012) 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 available. Biology data not delivered without explanation.
EWN3: Groundwater quality			Data delivered with a slight delay (15 November 2012) 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⁾			No data delivery under WISE-SoE data collection 2012.
ME1: Marine data			No data delivery under WISE-SoE data collection 2012.
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⁾	N/A		No data delivery under WISE-SoE data collection 2012, 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Partial time series SO ₂ , NO _x , CO, NMVOC, NH ₃ 2006–2011; PM ₁₀ 2006–2011. LRTAP/EMEP emission inventory status report provided.
AE1b: NEC data			Inventory delivered on time for years 2010–2011. Requested format used. National inventory report provided.
AE2: UNFCCC data			Complete time series on time in CDR. National inventory report provided. CRF XML format provided. Delivery on time to UNFCCC.
AE2b: EU GHG data			Full time series (1989–2011) 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 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report provided.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 50 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. Declaration provided that boundary information has changed from previous year. Zone boundary information provided in CDR. Response provided to ETC feedback.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 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: 978 sites provided. 100 % of records have designation and IUCN category, size and coordinates. Boundary data provided for 886 sites (90 %).
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 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			Data delivered with a slight delay (15 Nov 2012) and in the requested format. Feedback to reported issues provided. 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 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. 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 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⁾			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) and sediment, 4 preferred nutrients in seawater. Have not replied to critical QA issues on previously reported data.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage and 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 7 hazardous substances. They are split to urban and industrial discharges. Emission discharges from diffuse sources are not provided. 2 determinands from diffuse sources reported in past years, but more than 2 year ago.

⁽¹⁾ The scores are provided for information only.

Table 2.32 Data flow analysis for Serbia























Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report also provided.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			No information available in CDR (30 June 2013).
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 2011. More than 50 % active stations monitoring Black Smoke plus some monitoring of PM ₁₀ . Response to feedback report provided.
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2012 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 246 sites reported. All sites have designations, IUCN categories and size. Just one site misses coordinate information. Site boundaries are reported for the first time and are available for 65 % of the sites (162).
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 2011–2012	Progress 2012–2013	Remark
EWN1: River 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. Short time series on preferred SoE 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 for the 5 preferred SoE nutrient groups delivered. Hazardous substances data delivered. Proxy pressures data not provided. Long time series on nutrients available. No reply to critical QA issues on previously reported data.
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 only point data. Reported 84 streamflow stations at country level and in daily time step. 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⁾	N/A		Serbia participated for the first time in 2012 with four reporting stations giving satisfactory spatial coverage and reliable data provision during the ozone season.
WISE1: Emissions to water ⁽¹⁾	N/A		No data delivery under WISE-SoE data collection 2012, 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Partial time series SO ₂ , NO _x , CO, NMVOC, NH ₃ 2010–2011; PM ₁₀ 2011; PM ₁₀ 2011. Updated time series for years 2000–2011 for criteria pollutants provided later with informative inventory report (15 March 2013).
AE1b: NEC data			Inventory delivered on time for years 2010–2011. Requested format used. National inventory report provided.
AE2: UNFCCC data			Complete time series on time in CDR as delivered for EU monitoring mechanism. National inventory report provided. CRF XML format provided. Delivery on time to UNFCCC.
AE2b: EU GHG data			Full time series (1990–2011) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Short inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. No data provided for 4 th Daughter Directive pollutants. Response to feedback report provided.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 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. No response has been provided to ETC feedback.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery in CDR on time: 1181 sites reported. All sites have the required information on IUCN category designation code, size and coordinates. Boundaries are provided for 1153 sites (98 %).
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 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			Data delivered on time. A minor issue in delivery 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 provided. Mostly short time series on preferred SoE available. Biology data delivered.
EWN2: Lake quality			Data delivered with a slight delay (12 Nov 2012) and in the requested format. Critical QA issues on previously reported data partly solved. 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 available. Biology data not delivered without explanation.
EWN3: Groundwater quality			Data delivered with a slight delay (19 November 2012) and in the requested format. All 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⁾			Delayed data delivery (4 Dec 2012). Reported both regional and point data. Reported: 16 regional parameters at RBD level for 100 % of the RBDs of which 100 % in monthly scale. Reported reservoir data in SU level and groundwater level and streamflow data at country level.
ME1: Marine data	N/A	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data ⁽¹⁾			Satisfactory spatial coverage and 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 39 hazardous substances. They are split to urban and industrial discharges. 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report provided.
AE1b: NEC data			Inventory delivered on time for years 2010–2011. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Complete time series on time in CDR. National inventory report provided. CRF XML format provided. Delivery on time to UNFCCC.
AE2b: EU GHG data			Full time series (1986–2011) 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. Short inventory report also provided.
AQ1: EoI data			Data delivered with delay (11 October 2012). Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Historical data provided. Response to feedback report provided.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 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. Information on GIS boundaries for all zones and agglomerations listed as codes for administrative units (LAU) in Form 2.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. However feedback on the July delivery noted that it was a repeat of the information provided for June. Corrected information supplied later to CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 1949 sites reported. All sites have designations and IUCN categories. 1947 sites (more than 99 %) have information on size, coordinates and boundary data.
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 2011–2012	Progress 2012–2013	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. 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. 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. Reported: 39 regional parameters at country level in annual scale. Point data: in 100 % of RBDs, 85 % of the available streamflow stations all in daily scale, 100 % of the available groundwater wells and 100 % of reservoirs in monthly 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. Reply to critical QA issues on previously reported data received.
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⁾			Data delivered on time. Emission discharges from point sources are provided for 6 nutrients or organic matter determinands and 45 hazardous substances. They are split to urban and industrial discharges. 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report provided.
AE1b: NEC data			Data delivered on time. Inventory provided for years 1990–2011. Inventory report provided. Requested format used.
AE2: UNFCCC data			Complete time series available on time in CDR. National inventory report and CRF XML format available.
AE2b: EU GHG data			Full time series (1990–2011) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Short inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report provided.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 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. Response provided to ETC feedback.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery in CDR on time 1561 sites reported. All sites have IUCN category, designation, coordinates and size. Spatial boundary information provided for 1561 sites (more than 99 %).
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 2011–2012	Progress 2012–2013	Remark
EWN1: River 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. 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 provided. Short time series on preferred SoE 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. Only point data reported.
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 and flux stations. Have not replied to critical QA issues on previously reported data.
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⁾	N/A		No data delivery under WISE-SoE data collection 2012, 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report also provided.
AE1b: NEC data			Inventory delivered on time for years 1990–2011. Requested format used. National inventory report provided.
AE2: UNFCCC data			Complete time series on time in CDR. National inventory report provided. CRF XML format provided. Delivery on time to UNFCCC.
AE2b: EU GHG data			Full time series (1990–2011) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Short inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Historical data provided. Response to feedback report provided.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 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 GIS boundaries for all zones and agglomerations listed as codes for administrative units (LAU) in Form 2. Declaration that boundary information has not changed from previous year. Response provided to ETC feedback.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 13512 sites reported. All have information on designation, size, coordinates and IUCN category. Boundaries have been provide for more than 99 % of the sites (13486).
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 2011–2012	Progress 2012–2013	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. 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 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. 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 6 regional data at RBD level for 30 % of RBDs all in monthly and annual scale. Reported 75 groundwater wells at RBD level. Did not report streamflow data and reservoir data.
ME1: Marine data			Data delivered on time. Data provided on: hazardous substances in biota (preferred substances), 5 preferred nutrients in seawater, riverine inputs, pressures, direct discharge and flux stations. Reply to critical QA issues on previously reported data received.
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 35 hazardous substances. They are split both to urban and industrial discharges and to discharges from E-PRTR and non-E-PRTR facilities. 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 2.37 Data flow analysis for Switzerland

























Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report also provided.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Complete time series on time in CDR. National inventory report provided. 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 2011. More than 50 % active stations monitoring PM ₁₀ . Historical data provided. Data provided for the 4 th Daughter Directive pollutants. Response to feedback report on this delivery is available.
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2012 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 6175 sites reported. All sites have a designation, IUCN category and size. Boundary data provided for 5881 sites (95 %). Coordinates provided or centralized calculation requested for all except 20 sites.
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 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			No data delivery under WISE SoE data collection 2012 due to technical problems. Promised reporting in 2013.
EWN2: Lake quality			No new data delivery under WISE SoE data collection 2012 due to migration of national databases. Provided reply on QA issues on previously reported data.
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: 33 regional parameters at country level in annual scale and 3 at RBD level for 60 % of RBDs also in annual scale and 11 regional data for 35 % of SUs in annual scale. Reported in 92 % of SUs 100 % of available streamflow stations of which 100 % in daily scale, 100 % of available groundwater wells of which 100 % in monthly scale, 100 % of available reservoirs all of which in monthly scale.
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 16 hazardous substances. They are split both to urban and industrial discharges and to discharges from E-PRTR and non-E-PRTR facilities. Emission discharges from diffuse sources are provided for 10 determinands. 12 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 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report provided later (8 May 2013).
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Delivery on time to UNFCCC and later to CDR (30 April 2013). CRF XML format available but inside zip file and cannot be automatically checked. National inventory report 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 (9 November 2012). Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ . Response to feedback report provided.
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2012 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			Three monthly reports for 2012 provided on time in CDR. Information provided with delay for April (5 July) , May (5 July) and August (3 October) .Summer report not provided. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 2246 sites provided . All sites have designations and IUCN categories. 57 % have information on size (1270). Less than 50% of sites have coordinates (961). Boundaries have been provided for 356 sites (16 %). However the boundaries could not be connected with the attribute data because of missing codes. This problem required a lot of manual intervention.
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 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			Data delivered with a slight delay (12 Nov 2012) 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 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 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. Reported only point data. Did not provide the total number of available stations.
ME1: Marine data			No data delivery under WISE-SoE data collection 2012.
NRTO3: Near real-time ozone data ⁽¹⁾		N/A	Turkey did not participate in this data flow in the 2012 ozone season.
WISE1: Emissions to water ⁽¹⁾	N/A		No data delivery under WISE-SoE data collection 2012.

⁽¹⁾ The scores are provided for information only.

Table 2.39 Data flow analysis for the United Kingdom

Data flow name	Progress 2011–2012	Progress 2012–2013	Remark
AE1: LRTAP data			Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report also provided.
AE1b: NEC data			Inventory delivered on time for years 2006–2011. Requested format used. National inventory report not provided.
AE2: UNFCCC data			Complete time series on time in CDR. National inventory report provided. CRF XML format provided. Delivery on time to UNFCCC.
AE2b: EU GHG data			Full time series (1990–2011) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Short inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2011. More than 50 % active stations monitoring PM ₁₀ plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Historical data provided. Response to feedback report provided.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2011 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. Information on GIS boundaries for all zones and agglomerations listed in Form 2 provided in CDR. Response to ETC feedback provided.
AQ2b: Monthly and summer ozone data			All monthly reports for 2012 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery within acceptable time limit (19 March 2013) in CDR. 9120 sites reported. All have information on designation, IUCN category and size. More than 95 % of the sites have coordinates or a request for coordinates to be calculated centrally. Boundary data provided for 7865 sites (more than 85 %).
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 2011–2012	Progress 2012–2013	Remark
EWN1: River quality			Data delivered on time and in the requested format. Feedback to reported issues provided. 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.
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 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, 5 preferred nutrients in seawater.
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⁾	N/A		No data delivery under WISE-SoE data collection 2012, data from E-PRTR inserted.

⁽¹⁾ The scores are provided for information only.



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