

# 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

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I am happy to present to you the 14th 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 12 regular priority areas. Information is also provided for four additional data flows: reporting to EEA on near real-time ozone; water quantity; water emission quality; and, for the first time, reporting for the European Pollutant Transfer Register.

All 32 member countries of the EEA and the six 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 policy-making agents and the public.

Overall, the report finds continued steady improvement. The United Kingdom, Estonia, Germany and Sweden shared the top score of 98 %. They were followed by Slovenia, France and Latvia with 96 %. The average score rose to 80 % while almost two-thirds of Eionet countries achieved or exceeded this threshold. In comparison, in 2000, the average score was 45 % while 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.

Reportnet tools have contributed to the overall improvements. 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.

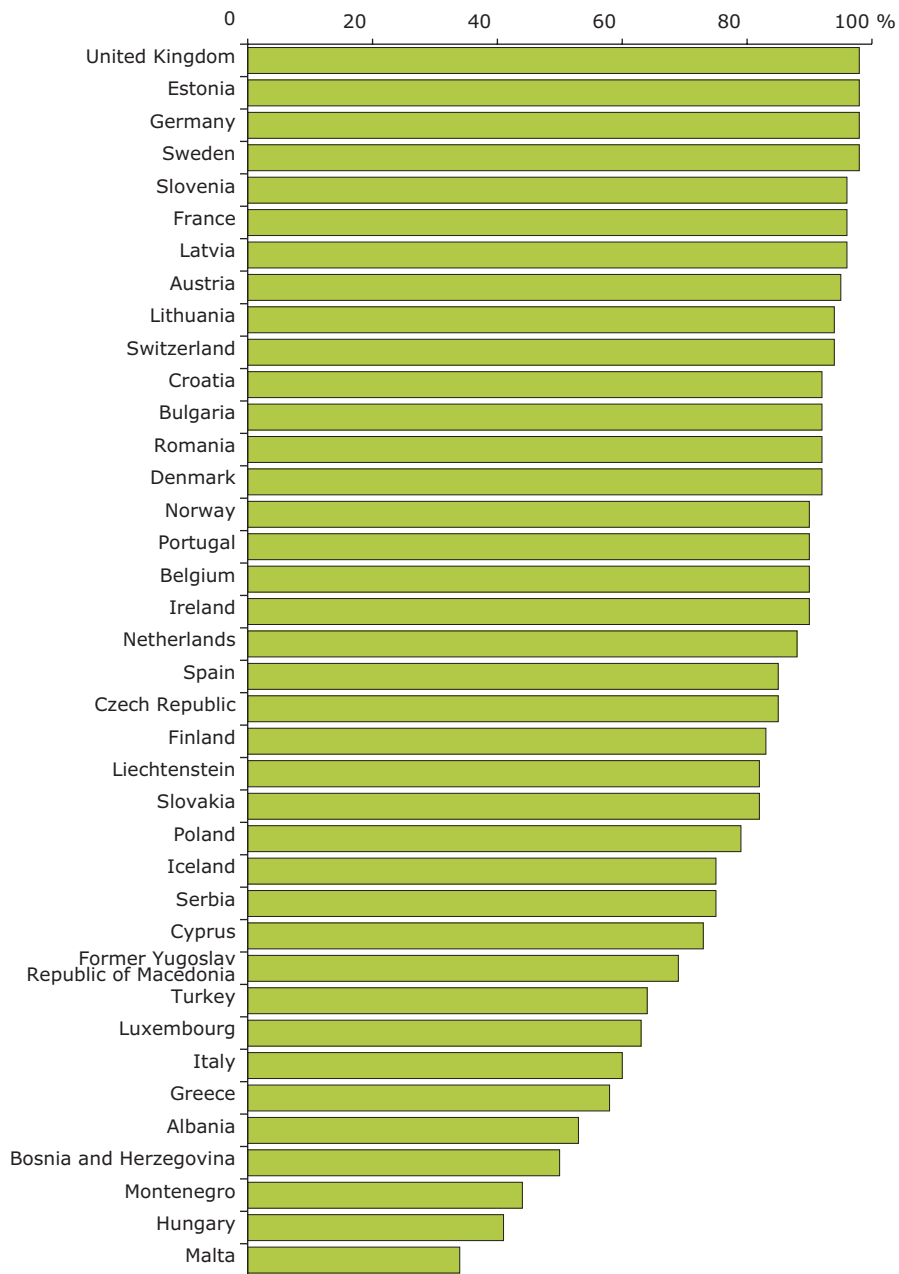
At the same time, no country achieved 100 % this time, partly because evaluation criteria have been gradually strengthened across thematic areas. And there are also worrying signs. This year, six countries still failed to achieve a score of 60 % and only two countries in this group improved on last year's evaluation, so the network cannot be complacent. Countries that are having difficulties with specific data flows are encouraged to discuss their problems with the EEA.

Overall, Eionet is demonstrating that it is well prepared to play a key role in the implementation of the Shared Environmental Information System (SEIS) — current 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.

*Jacqueline McGlade*  
Executive Director

**Figure 1 Overall performance of countries (May 2010–April 2011)**



**Table 1 Performance history**

Country	Score 2000 (%)	Score 2001 (%)	Score 2002 (%)	Score 2003 (%)	Score 2004 (%)	Score 2005 (%)	Score 2006 (%)	Score 2007 (%)	Score 2008 (%)	Score 2009 (%)	Score 2010 (%)	Trend compared to last year	
Albania	0	0	0	17	22	30	45	21	19	31	53	+ 22	↑
Austria	81	81	97	95	98	98	100	100	100	100	95	- 5	↘
Belgium	31	50	53	58	59	66	69	75	96	92	90	- 2	→
Bosnia and Herzegovina	18	39	29	34	22	22	53	46	58	56	50	- 6	↘
Bulgaria	42	71	69	75	80	89	80	92	96	92	92	0	→
Croatia	N/A	N/A	N/A	N/A	28	17	48	71	69	78	92	+ 14	↗
Cyprus	N/A	N/A	N/A	N/A	N/A	25	63	81	90	90	73	- 17	↓
Czech Republic	38	75	72	68	63	65	68	84	80	85	85	0	→
Denmark	81	86	83	85	82	69	63	78	73	94	92	- 2	→
Estonia	54	81	72	80	81	81	90	86	96	96	98	+ 2	→
Finland	61	72	68	79	85	75	73	78	92	85	83	- 2	→
Former Yugoslav Republic of Macedonia	29	42	54	50	50	69	78	75	75	72	69	- 3	→
France	47	53	63	73	79	83	85	89	94	96	96	0	→
Germany	69	64	83	81	67	75	92	78	88	100	98	- 2	→
Greece	50	50	60	52	44	54	50	50	52	58	58	0	→
Hungary	46	68	56	53	47	80	86	78	66	45	41	- 4	→
Iceland	28	14	36	30	14	56	30	64	73	64	75	+ 11	↗
Ireland	67	61	68	71	65	73	73	81	94	92	90	- 2	→
Italy	39	33	65	56	52	59	50	64	67	54	60	+ 6	↗
Latvia	50	66	80	89	94	98	100	97	98	98	96	- 2	→
Liechtenstein	19	9	61	53	43	64	54	60	57	86	82	- 4	→
Lithuania	36	50	47	73	73	83	94	94	85	94	94	0	→
Luxembourg	22	36	18	25	14	39	44	34	58	53	63	+ 10	↗
Malta	N/A	N/A	N/A	78	56	63	68	69	86	52	34	- 18	↓
Montenegro	N/A	N/A	N/A	N/A	17	36	56	0	17	6	44	+ 38	↑
Netherlands	58	67	70	69	64	77	79	81	60	77	88	+ 11	↗
Norway	64	64	81	75	69	65	78	93	80	85	90	+ 5	↗
Poland	36	53	72	65	50	58	77	69	79	81	79	- 2	→
Portugal	39	33	35	50	20	27	42	64	83	85	90	+ 5	↗
Romania	21	21	47	38	31	11	75	86	96	92	92	0	→
Serbia	N/A	N/A	N/A	N/A	17	36	56	60	78	75	75	0	→
Slovakia	25	43	63	72	84	85	95	97	91	98	82	- 16	↓
Slovenia	50	66	78	88	92	75	96	94	96	94	96	+ 2	→
Spain	58	33	55	38	41	52	56	64	63	83	85	+ 2	→
Sweden	47	89	90	90	94	94	96	97	100	100	98	- 2	→
Switzerland	N/A	N/A	N/A	N/A	N/A	75	39	85	100	97	94	- 3	→
Turkey	N/A	N/A	N/A	N/A	N/A	19	17	25	47	64	64	0	→
United Kingdom	78	72	83	73	66	82	83	94	65	81	98	+ 17	↑
<b>Average (all countries)</b>	<b>45</b>	<b>53</b>	<b>62</b>	<b>64</b>	<b>57</b>	<b>62</b>	<b>69</b>	<b>73</b>	<b>77</b>	<b>78</b>	<b>80</b>	<b>+ 2</b>	<b>→</b>



## 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 8–25 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 has 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 2010–2011.

Data flow	Deadline
AQ-2: Air quality questionnaire	30 September 2010
AQ-1: EoI data	1 October 2010
AQ-2b: Monthly/summer ozone	31 October 2010 (*)
EWN-1: River quality	31 October 2010
EWN-2: Lake quality	31 October 2010
EWN-3: Groundwater quality	31 October 2010
EWN4: Water quantity	31 October 2010
ME-1: Marine data	31 October 2010
WISE1: Water emission quality	31 October 2010
AE-1b: NEC data	31 December 2010
AE-2b: EU GHG data	15 January 2011
AE-1: LRTAP data	15 February 2011
CDDA-1: Designated areas	15 March 2011
E-PRTR1: European Pollutant Transfer Register	31 March 2011
AE-2: UNFCCC data	15 April 2011
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 2010.

(\*\*) 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 38: Malta (joining in 2004), Croatia, Serbia and Montenegro (joining in 2005) and Cyprus, Switzerland and Turkey (joining in 2006).

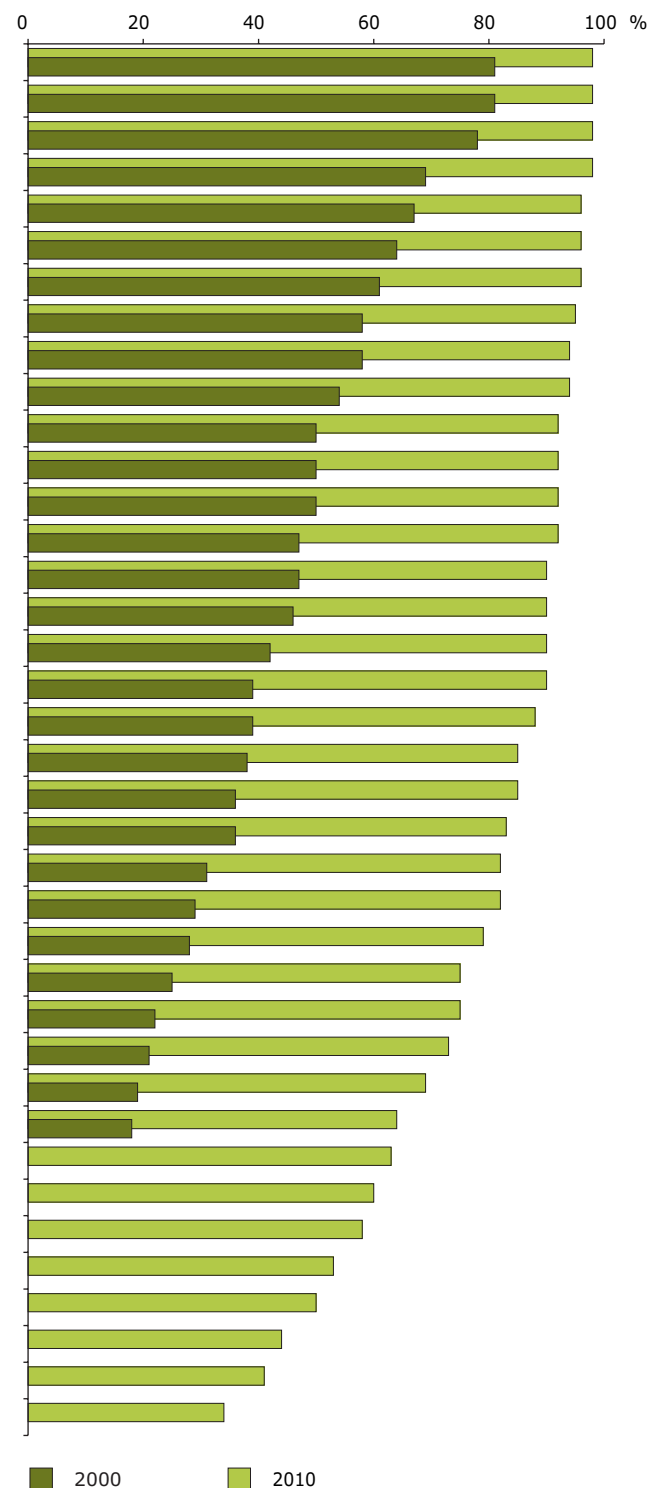
In 1998, Eionet discussions on data flows focused on those which were seen as the key reporting activities for the thematic areas of air emissions, air quality, fresh water, marine, designated areas and Corine land cover. The set of information identified at that time has indeed proved to be a stable 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.

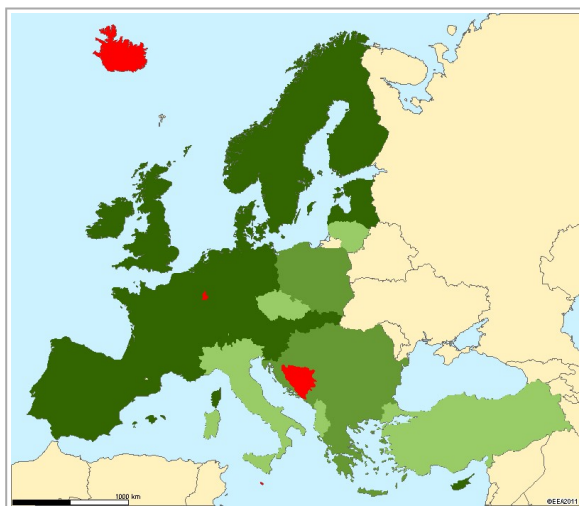
Figure 2 shows the comparative scores between the year 2000 and the current reporting cycle. The figure illustrates the significant improvement in the scores across all countries. During 2000–2010, the average score has continuously improved, from 45 % to 80 %, see Table 1.

In 2000, no country was able to reach the full score of 100 %. The highest scores at the time were 81 % (Denmark and Austria) and 78 % (the United Kingdom). All other participating countries had scores below 70 %. In 2010 however, 28 out of 38 countries reached a score above 70 %. The score of 18 countries was above 90 % even if no countries were able to achieve the full score of 100 %.

**Figure 2 Comparison of Eionet performance evaluation, 2000 versus 2010**



## Data flow AE1: LRTAP data



- 19 countries with a score of 3 points: Austria, Belgium, Cyprus, Denmark, Estonia, Finland, France, Germany, Ireland, Latvia, Netherlands, Norway, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom

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- 9 countries with a score of 2 points: Bulgaria, Croatia, Former Yugoslav Republic of Macedonia, Greece, Hungary, Montenegro, Poland, Romania, Serbia

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- 6 countries with a score of 1 point: Albania, Czech Republic, Italy, Liechtenstein, Lithuania, Turkey

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- 4 countries did not deliver data: Bosnia and Herzegovina, Iceland, Luxembourg, Malta

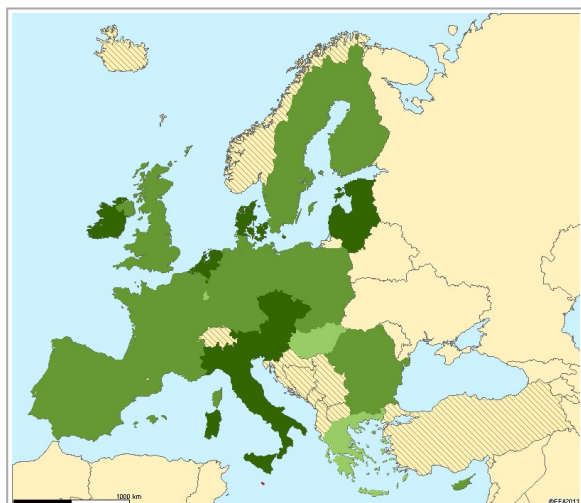
### Detailed criteria for scoring

Scoring criteria are based on completeness of time series of requested pollutants (SO<sub>2</sub>, NO<sub>x</sub>, CO, NMVOC, NH<sub>3</sub>, PM<sub>10</sub>) included in national submission under the UNECE Convention on Long-Range Transboundary Air Pollution (LRTAP). It is critical for the Eionet priority data flow that a copy of the national submission is made available promptly in the agreed national data repository using requested electronic format according to the [template](#) (see letter to Eionet).

	Complete time series available for all requested pollutants SO <sub>2</sub> , NO <sub>x</sub> , CO, NMVOC, NH <sub>3</sub> (at least 1990-2009) and PM <sub>10</sub> (at least 2000-2009) by 15 February 2011.
	Data available on time (by 15 February 2011).
	Data delivered after 15 February 2011.
	No delivery available.
European datasets	Air emissions data published through <a href="#">EEA Data Service</a> Air pollutant emissions (LRTAP) data viewer in <a href="#">EEA Data Service</a>
Related indicators	<p><a href="#">EEA core set of indicators</a>:</p> <ul style="list-style-type: none"> <li>• CSI 001 Emissions of acidifying substances</li> <li>• CSI 002 Emissions of ozone precursors</li> <li>• CSI 003 Emissions of primary particles and secondary particulate precursors</li> </ul> <p>Other <a href="#">air pollution indicators</a> on EEA website.</p>



## Data flow AE1b: NEC data



**10 countries with a score of 3 points:** Austria, Czech Republic, Denmark, Estonia, Ireland, Italy, Latvia, Lithuania, Netherlands, Slovenia

**13 countries with a score of 2 points:** Belgium, Bulgaria, Cyprus, Finland, France, Germany, Poland, Portugal, Romania, Slovakia, Spain, Sweden, United Kingdom

**3 countries with a score of 1 point:** Greece, Hungary, Luxembourg

**1 country did not deliver data:** Malta

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

### Detailed criteria for scoring

Scoring criteria based on timeliness of reporting on the emissions of SO<sub>2</sub>, NO<sub>x</sub>, NMVOC and NH<sub>3</sub> during 2008 and 2009 plus projections for 2010 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 2010 and in the format specified and without modifications to the reporting template.



NEC data delivered in time (by 31 December 2010).



NEC data delivered after 31 December 2010.



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](#)

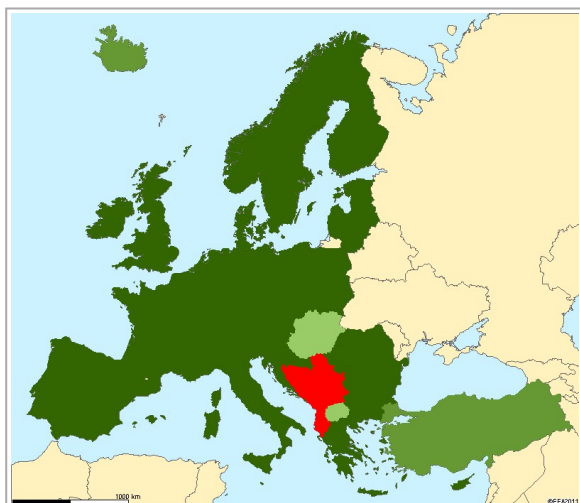
Related indicators

[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



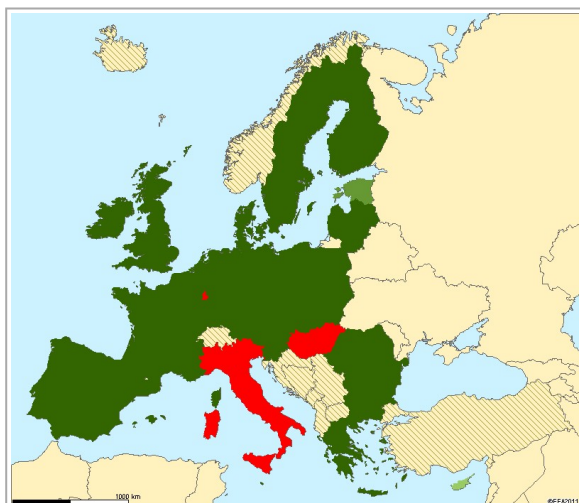
	29 countries with a score of 3 points: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovenia, Spain, Sweden, Switzerland, United Kingdom
	2 countries with a score of 2 points: Iceland, Turkey
	3 countries with a score of 1 point: Former Yugoslav Republic of Macedonia, Hungary, Slovakia
	4 countries did not deliver data: Albania, Bosnia and Herzegovina, Montenegro, Serbia

### Detailed criteria for scoring

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

	Complete time series made available from 1990 to 2009 for all pollutants requested by data flow project: CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O, HFC, PFC and SF <sub>6</sub> made available in specified XML format by 15 April 2011.
	Data in XML format available on time (by 15 April 2011).
	Data delivered with delay (after 15 April 2011) or not in XML format.
	No delivery available.
European datasets	Greenhouse gas emissions data published through <a href="#">EEA Data Service</a> Greenhouse gas emissions data viewer in <a href="#">EEA Data Service</a>
Related indicators	<a href="#">EEA core set of indicators</a> : <ul style="list-style-type: none"> <li>• CSI 002 Emissions of ozone precursors</li> <li>• CSI 010 Greenhouse gas emissions and removals</li> </ul> <a href="#">Greenhouse gas country profiles</a>

## Data flow AE2b: EU GHG data



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

1 country with a score of 2 points: Estonia

1 country with a score of 1 point: Cyprus

3 countries did not meet the minimum criteria: Hungary, Italy, Luxembourg

This data flow is not applicable (N/A) to 11 countries: Albania, Bosnia and Herzegovina, Croatia, Former Yugoslav Republic of Macedonia, Iceland, 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 2011) including all requested gases and in the specified XML format.



GHG data delivered in time and in the specified XML format (by 15 January 2011).



GHG data delivered with delay (15-31 January 2011) or not in the specified XML format.



No GHG data delivered or significantly delayed (after 31 January 2011).

European datasets

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

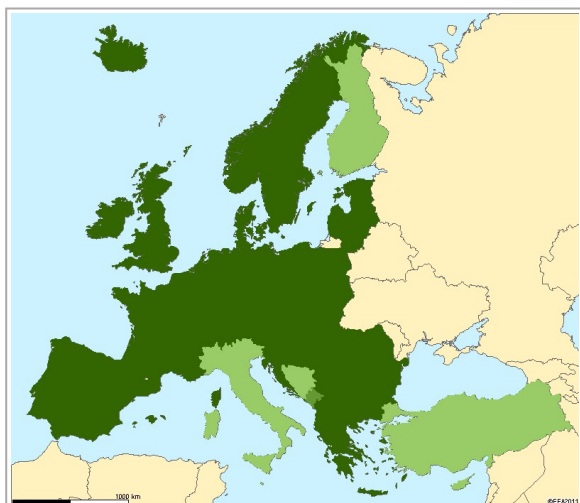
Related indicators

[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



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

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- 1 country with a score of 2 points: Montenegro

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- 6 countries with a score of 1 point: Bosnia and Herzegovina, Cyprus, Finland, Italy, Malta, Turkey

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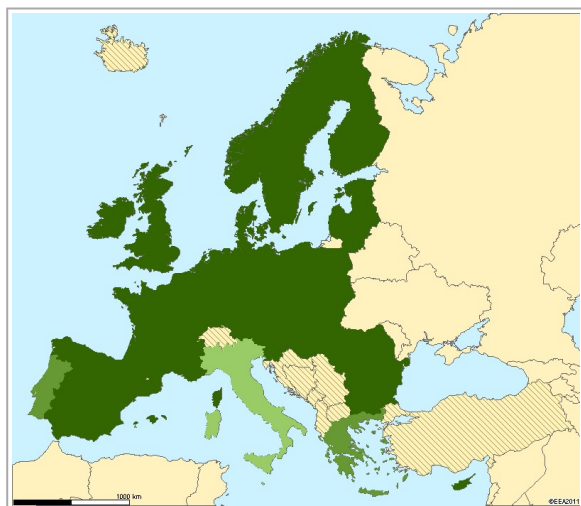
- No country in this category.






### 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.

	2009 data delivered in time and includes particulate matter (Black Smoke, TSP, PM <sub>10</sub> , PM <sub>2.5</sub> , PM <sub>1.0</sub> ).
	2009 data delivered in time (not later than 1 October 2010).
	Delivery available but not meeting criteria for content and/or timeliness.
	No delivery available.
European datasets	AirBase data published through <a href="#">EEA Data Service</a> <a href="#">Map viewer</a> for AirBase data.
Related indicators	<p>EEA core set of indicators:</p> <ul style="list-style-type: none"> <li>• CSI 004 Exceedance of air quality limit values in urban areas</li> <li>• CSI 005 Exposure of ecosystems to acidification, eutrophication and ozone</li> </ul>





## Data flow AQ2: Air quality questionnaire



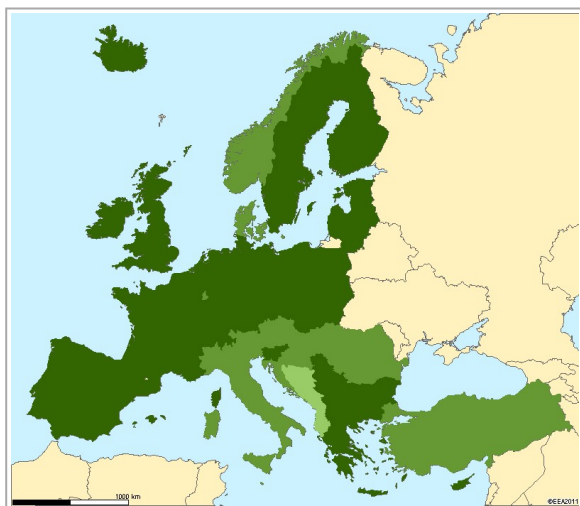
	24 countries with a score of 3 points: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Latvia, Lithuania, Luxembourg, Netherlands, Norway, Poland, Romania, Slovakia, Slovenia, Spain, Sweden, United Kingdom
	2 countries with a score of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

### Detailed criteria for scoring

Scoring is based on reporting of information on exceedances or non-exceedances in zones and agglomerations for all pollutants required to be reported through the annual questionnaire (2004/461/EC) by the daughter directives of the Air Quality Framework Directive (1999/30/EC: sulphur dioxide, nitrogen dioxide and oxides of nitrogen, particulate matter and lead; 2000/69/EC: benzene and carbon monoxide; 2002/3/EC: ozone). Digital boundary information for the zones and agglomerations is also required where zone boundaries have changed or where zone boundaries were not previously available so that a European overview can be produced. Participation in the 2010 data flow is voluntary for countries which are not EU Member States.

	Annual air quality in zones and agglomerations for 2009 for all required pollutants delivered in CDR using the questionnaire by 30 September 2010 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 2009 for all required pollutants delivered in CDR using the questionnaire by 30 September 2010 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 <a href="#">EEA Data Service Map viewer</a> for air quality zones
Regular products	Annually published <a href="#">DG Environment list of zones in the EU Member States in relation to air quality thresholds</a>

## Data flow AQ2b: Monthly and summer ozone data



- 24 countries with a score of 3 points: Belgium, Bulgaria, Cyprus, Czech Republic, Estonia, Finland, France, Former Yugoslav Republic of Macedonia, Germany, Greece, Iceland, Ireland, Latvia, Lithuania, Netherlands, Poland, Portugal, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom

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- 11 countries with a score of 2 points: Austria, Croatia, Denmark, Hungary, Italy, Liechtenstein, Luxembourg, Malta, Norway, Romania, Turkey

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- 3 countries with a score of 1 point: Albania, Bosnia and Herzegovina, Montenegro

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- 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 2010 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 2010 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 2010 data delivered.

European datasets [Ozone exceedances](#)

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

## Data flow CDDA1: Designated areas



- 19 countries with a score of 3 points: Austria, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Iceland, Italy, Liechtenstein, Norway, Romania, Slovenia, Sweden, Switzerland, United Kingdom

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

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- 8 countries with a score of 1 point: Albania, Former Yugoslav Republic of Macedonia, Ireland, Montenegro, Poland, Portugal, Serbia, Turkey

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- 8 countries did not meet the minimum criteria: Bosnia and Herzegovina, Cyprus, Hungary, Luxembourg, Malta, Netherlands, Slovakia, Spain

### Detailed criteria for scoring

Evaluation and scoring criteria for the CDDA are unchanged from previous years. See [message to Eionet](#). 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<sup>1</sup> categories is also a key attribute in the [World Data Base on Protected Areas](#).



Designated areas made available by 15 March 2011 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 2011 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

<sup>1</sup> 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



	23 countries with a score of 3 points: Austria, Bosnia and Herzegovina, Belgium, Bulgaria, Cyprus, Germany, Estonia, Spain, Finland, France, United Kingdom, Croatia, Italy, Lithuania, Luxembourg, Latvia, Netherlands, Portugal, Romania, Serbia, Sweden, Slovenia, Slovakia
	10 countries with a score of 2 points: Albania, Switzerland, Denmark, Ireland, Iceland, Liechtenstein, Former Yugoslav Republic of Macedonia, Norway, Poland, Turkey
	1 country with a score of 1 point: Montenegro
	3 countries did not meet the minimum criteria: Czech Republic, Greece, Hungary
	This data flow is not applicable (N/A) to 1 country: Malta

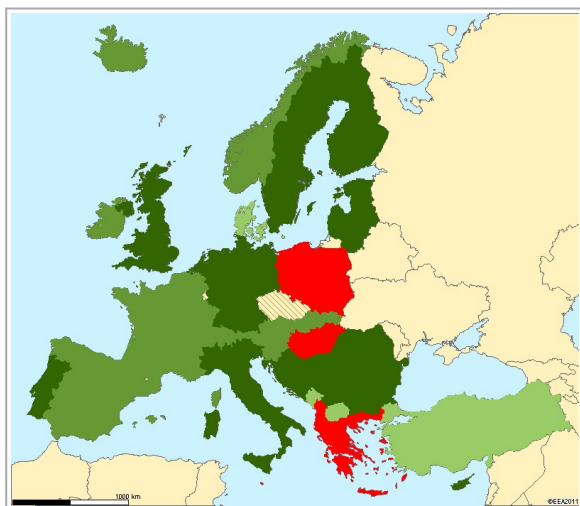
### Detailed criteria for scoring






Scoring criteria are based on data deliveries for the current year and are focusing 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 preferred SoE nutrients and data on proxy pressures and the response of a country to data validation questions.

	<ol style="list-style-type: none"> <li>Timely data delivery to national repository and country feedback to reported data issues, and</li> <li>Delivery of river monitoring stations with coordinates (if not delivered in the past years), and</li> <li>Delivery of data for all 5 preferred SoE nutrients (BOD5 or BOD7, Total Ammonium/Ammonium, Total Phosphorus, Orthophosphate, Nitrate/Total Oxidised Nitrogen), and</li> <li>4a. Delivery of hazardous substances data and especially from Preferred SoE Hazardous Substances list, or</li> <li>4b. Delivery of proxy pressures data for all reported monitoring stations (if not delivered in the past years) and available time series for preferred SoE nutrients data are long at least 5 years if continuous, or 10 years if broken.</li> </ol>
	<ol style="list-style-type: none"> <li>Timely data delivery to national repository and country feedback to reported data issues, and</li> <li>Delivery of river monitoring stations with coordinates (if not delivered in the past years), and</li> <li>Delivery of data for at least 3 of 5 preferred SoE nutrients (BOD5 or BOD7, Total Ammonium/Ammonium, Total Phosphorus, Orthophosphate, Nitrate/Total Oxidised Nitrogen)</li> </ol>
	Delayed delivery under WISE-SoE data collection 2010 but data provided in requested format, or Timely data delivery, but provided data do not meet the above mentioned requirements for obtaining a higher score.
	No data delivery under WISE-SoE data collection 2010, no communication, or Data could not be processed because not delivered in a requested format or not following basic quality criteria or delivered after data processing period.
European datasets	<a href="#">Waterbase data</a> published through EEA data service
Related indicators	<p>EEA core set of indicators:</p> <ul style="list-style-type: none"> <li>CSI 019 Oxygen consuming substances in rivers</li> <li>CSI 020 Nutrients in freshwater</li> </ul> <p>Other <a href="#">water indicators</a> on EEA website.</p>







## Data flow EWN2: Lake quality



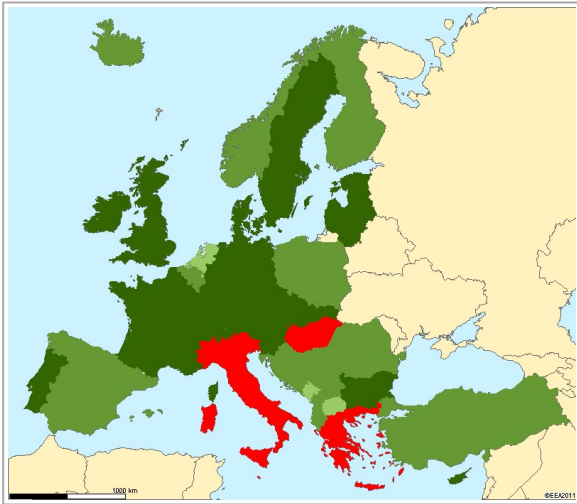
	16 countries with a score of 3 points: Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Estonia, Finland, Germany, Italy, Latvia, Lithuania, Netherlands, Portugal, Romania, Serbia, Sweden, United Kingdom
	10 countries with a score of 2 points: Austria, Belgium, France, Iceland, Ireland, Norway, Slovakia, Slovenia, Spain, Switzerland
	4 countries with a score of 1 point: Denmark, Former Yugoslav Republic of Macedonia, Montenegro, Turkey
	5 countries did not meet the minimum criteria: Albania, Greece, Hungary, Malta, Poland
	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 are focusing 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 preferred SoE nutrients and data on proxy pressures and the response of a country to data validation questions.

	<ol style="list-style-type: none"> <li>1. Timely data delivery to national repository and country feedback to reported data issues, and</li> <li>2. Delivery of lake monitoring stations (sampling sites) with coordinates (if not delivered in the past years), and</li> <li>3. Delivery of data for all 5 preferred SoE nutrients (BOD5 or BOD7, Total Ammonium/Ammonium, Total Phosphorus, Orthophosphate, Nitrate/Total Oxidised Nitrogen), and</li> <li>4a. Delivery of hazardous substances data and especially from Preferred SoE Hazardous Substances list, or</li> <li>4b. Delivery of proxy pressures data for all reported monitoring stations (if not delivered in the past years) and available time series for preferred SoE nutrients data are long at least 5 years if continuous, or 10 years if broken.</li> </ol>
	<ol style="list-style-type: none"> <li>1. Timely data delivery to national repository and country feedback to reported data issues, and</li> <li>2. Delivery of lake monitoring stations (sampling sites) with coordinates (if not delivered in the past years), and</li> <li>3. Delivery of data for at least 3 of 5 preferred SoE nutrients (BOD5 or BOD7, Total Ammonium/Ammonium, Total Phosphorus, Orthophosphate, Nitrate/Total Oxidised Nitrogen)</li> </ol>
	Delayed delivery under WISE-SoE data collection 2010 but data provided in requested format, or Timely data delivery, but provided data do not meet the above mentioned requirements for obtaining a higher score.
	No data delivery under WISE-SoE data collection 2010, no communication, or Data could not be processed because not delivered in a requested format or not following basic quality criteria or delivered after data processing period.
European datasets	<a href="#">Waterbase data</a> published through EEA data service
Related indicators	<a href="#">EEA core set of indicators</a> : CSI 20 Nutrients in freshwater Other <a href="#">water indicators</a> on EEA website.

## Data flow EWN3: Groundwater quality



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

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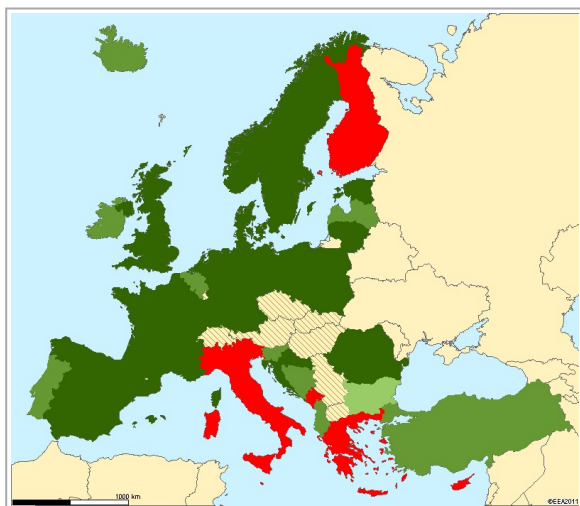
### Detailed criteria for scoring

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 [Technical Guidelines for Eurowaternet Implementation](#). Important for achieving the maximum score are the provision of preferably disaggregated data of Ammonium, Nitrates, Nitrites, Dissolved Oxygen and priority pesticides, provision of GIS polygon data of groundwater bodies, provision of monitoring stations with coordinates and their link to WFD Art. 5 groundwater bodies (if not delivered in the past years).

## Data flow EWN3: Groundwater quality (continued)

	<p>Timely data delivery to national repository and country feedback to reported data issues, and additionally:</p> <ol style="list-style-type: none"> <li>1. At least three of five chemical substances data reported in disaggregated structure: Ammonium, Nitrates, Nitrites, Dissolved Oxygen and priority pesticides from Preferred SoE Hazardous Substances (Lindane, Simazine, Atrazine).</li> <li>2. Monitoring stations with coordinates and their link to groundwater bodies (if not delivered in the past years)</li> <li>3. GIS polygon data of groundwater bodies including the most important attribute fields mentioned in the methodology for GW body characteristics and pressure table in Data Dictionary (if not delivered up to now within WISE SoE reporting or WFD reporting)</li> </ol>
	<p>Timely data delivery to national repository and country feedback to reported data issues, and</p> <ol style="list-style-type: none"> <li>1. At least two of five chemical substances data: Ammonium, Nitrates, Nitrites, Dissolved Oxygen and priority pesticides from Preferred SoE Hazardous Substances (Lindane, Simazine, Atrazine).</li> <li>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</li> <li>2b. If aggregated data are reported, groundwater bodies including the most important attribute fields mentioned in the methodology for GW bodies table (aggregated data) (if not delivered in the past years)</li> </ol>
	<p>Delivery under WISE-SoE data collections 2010 contains:</p> <ol style="list-style-type: none"> <li>1. Quality data for at least one out of five chemical substances: Ammonium, Nitrates, Nitrites, Dissolved Oxygen and priority pesticides from Preferred SoE Hazardous Substances (Lindane, Simazine, Atrazine), or</li> <li>2. GIS polygon data of groundwater bodies (if not delivered in the past years), or</li> <li>3. Groundwater monitoring stations (sampling sites) with coordinates (if not delivered in the past years).</li> </ol>
	<p>No data delivery under WISE-SoE data collection 2010, no communication, or Data could not be processed because not delivered in a requested format or not following basic quality criteria or delivered after data processing period.</p>
<p>European datasets</p>	<p><a href="#">Waterbase data</a> published through EEA data service</p>
<p>Related indicators</p>	<p><a href="#">EEA core set of indicators</a>: CSI 020 Nutrients in freshwater Other <a href="#">water indicators</a> on EEA website.</p>

## Data flow ME1: Marine data



- 13 countries with a score of 3 points: Germany, Denmark, Estonia, Spain, France, United Kingdom, Croatia, Lithuania, Netherlands, Norway, Poland, Romania, Sweden

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- 9 countries with a score of 2 points: Albania, Bosnia and Herzegovina, Belgium, Ireland, Iceland, Latvia, Portugal, Slovenia, Turkey

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- 1 country with a score of 1 point: Bulgaria

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- 6 countries did not meet the minimum criteria: Cyprus, Finland, Greece, Italy, Montenegro, Malta

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- This data flow is not applicable (N/A) to 9 countries: Austria, Switzerland, Czech Republic, Hungary, Liechtenstein, Luxembourg, Former Yugoslav Republic of Macedonia, Serbia, Slovakia

### Detailed criteria for scoring

Scores based on the evaluation of the data delivered by countries. It is not the intention that this data flow should require countries to make duplicate supplies of data. Any data already submitted to the Marine Conventions need not be re-supplied through the Eionet-Water process. These data will be requested directly from the Marine Conventions. Countries are asked to submit only missing or additional data.

Additionally, at least three items out of the following list have been provided and including the 2 items that support the marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater):



- Hazardous substances in biota
- Hazardous substances in sediment
- Hazardous substances in seawater
- Nutrients in sea water
- Riverine inputs and pressure data
- Direct discharges
- Station characteristics



Timely data delivery under WISE SoE collection or to Marine Conventions in 2010, data provided in the requested format and including 1 items that supports the marine CSI (hazardous substances in biota or nutrients/chlorophyll in seawater).



1. Delayed data delivery under WISE SoE collection or to Marine Conventions in 2010, but data provided in the requested format, or
2. Timely data delivery that could not be processed before the data processing deadline (10/12/2010) because it was not delivered in a requested format or data do not follow basic quality criteria (even after potential corrections from the data submitter).



1. No data delivery under WISE SoE collection or to Marine Conventions in 2010, no communication, or
2. Delayed data delivery that could not be processed because data was not delivered in a requested format or data do not follow basic quality criteria (even after potential corrections from the data submitter).

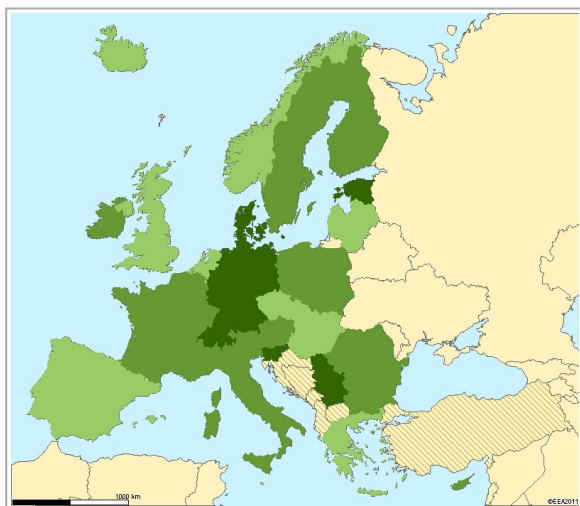
European datasets [Waterbase data](#) published through EEA data service


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 Transfer Register



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

### Detailed criteria for scoring

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

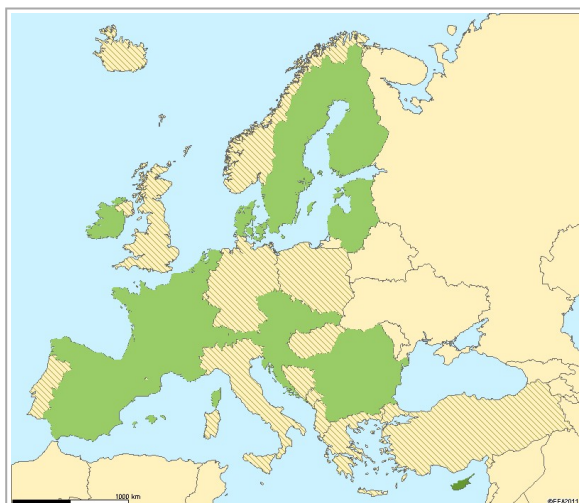
	E-PRTR data available in CDR by 31 March 2011 in the specified xml format accompanied by an assessment of completeness for the data delivered: Activities, substances, releases and/or transfers, list of facilities not yet included.
	E-PRTR data delivered in time (by 31 March 2011) in the specified xml 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 <a href="#">EEA data service</a> . European Pollutant Release and Transfer Register (E-PRTR) <a href="#">viewer</a> .
Related indicators	<a href="#">EEA core set of indicators</a> :

#### Notes:

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.

Due to the high number of uploads on CDR for the E-PRTR data reporting, *data delivery* has been defined as that dataset released on CDR for which the country has agreed the publication on the E-PRTR website with the European Commission.

## Data flow EWN4: Water quantity



**Dark Green:** No country in this category.

**Light Green:** 1 country with a score of 2 points: Cyprus

**Light Green:** 21 countries with a score of 1 point: Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Former Yugoslav Republic of Macedonia, Ireland, Latvia, Lithuania, Netherlands, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland

**Red:** No country in this category.

**Hatched:** 16 countries did not actively participate in this data flow: Albania, Bosnia and Herzegovina, Germany, Greece, Hungary, Iceland, Italy, Liechtenstein, Luxembourg, Malta, Montenegro, Norway, Poland, Portugal, Turkey, United Kingdom

### Detailed criteria for scoring

Scoring criteria are based on data deliveries for the current year and the provision of water quantity data (water availability, abstraction and use) for a variety of parameters as described in the WISE-SoE #3 and related [WQ Data Manual](#). Important for achieving the maximum score is the provision of spatially and temporally disaggregated regional data at River Basin District (RBD) or Sub-Unit (SU) level and at monthly scale, covering the entire country. A further criterion is the identification and provision of data for streamflow stations (daily timeseries), reservoirs and groundwater wells (monthly timeseries) achieving a representative coverage each RBD or SU. Data provided to the WISE-SoE #3 reporting will be automatically pre-filling the Eurostat Joint Questionnaire on Inland Waters (JQ IWA) and thus not required to be reported again (no double-reporting).

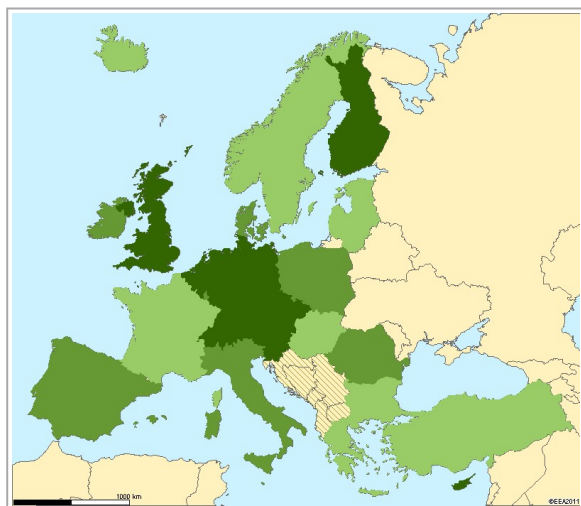
## Data flow EWN4: Water quantity (continued)

	<ol style="list-style-type: none"> <li>1. Timely data delivery to national repository in the requested format, and country feedback to reported data issues.</li> <li>2. At least 65 parameters are reported for the regional requested data (water balance, water availability, water use) at RBD or SU scale, for at least 75% of the RBDs or SUs of the country, and of which at least 50% are reported in monthly scale.</li> <li>3. Point data are also reported for at least 75% of the RBDs or SUs as follows:               <ul style="list-style-type: none"> <li>◦ At least 20 streamflow stations per RBD (or SU). At least 50% of these timeseries need to be in daily scale and the remaining in monthly scale.</li> <li>◦ At least 20 groundwater wells per RBD (or SU). At least 50% of these timeseries need to be in monthly scale and the remaining in seasonal or annual scale.</li> <li>◦ At least 5 reservoirs per RBD (or SU). At least 50% of these timeseries need to be in monthly scale and the remaining in seasonal or annual scale.</li> </ul> </li> </ol> <p><i>* It is understood that some of the point data may not be available for reporting due to force-majeur (i.e. security purposes for reservoirs) and in such cases (when stated) this will be considered accordingly.</i></p>
	<ol style="list-style-type: none"> <li>1. Timely data delivery to national repository in the requested format, and country feedback to reported data issues.</li> <li>2. At least 20 parameters are reported for the regional requested data (water balance, water availability, water use) at RBD or SU scale, for at least 40% of the RBDs or SUs of the country in monthly (preferable) or annual scale.</li> <li>3. Point data are also reported for at least 40% of the RBDs or SUs as follows:               <ul style="list-style-type: none"> <li>◦ At least 10 streamflow stations per RBD (or SU). At least 50% of these timeseries need to be in daily scale and the remaining in monthly scale.</li> <li>◦ At least 10 groundwater wells per RBD (or SU). At least 50% of these timeseries need to be in monthly scale and the remaining in seasonal or annual scale.</li> <li>◦ At least 2 reservoirs per RBD (or SU). At least 50% of these timeseries need to be in monthly scale and the remaining in seasonal or annual scale.</li> </ul> </li> </ol> <p><i>* It is understood that some of the point data may not be available for reporting due to force-majeur (i.e. security purposes for reservoirs) and in such cases (when stated) this will be considered accordingly.</i></p>
	<ol style="list-style-type: none"> <li>1. Delayed data delivery under WISE-SoE data collection 2010, or</li> <li>2. Timely delivery, but the delivered data are not meeting the above mentioned requirements for obtaining a higher score.</li> </ol>
	No data delivery under WISE-SoE data collection 2010, no communication.
European datasets <a href="#">Waterbase data</a> published through EEA data service.	
EEA core set of indicators:	
Related indicators	<ul style="list-style-type: none"> <li>• CSI 018 Use of freshwater resources</li> <li>• WEI Water Exploitation Index</li> </ul>
Other <a href="#">water indicators</a> 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 NRT03: Near real-time ozone data



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

### 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 reliability requirement thresholds have been raised from the thresholds applied in 2007 as data suppliers now have more experience with this data flow.

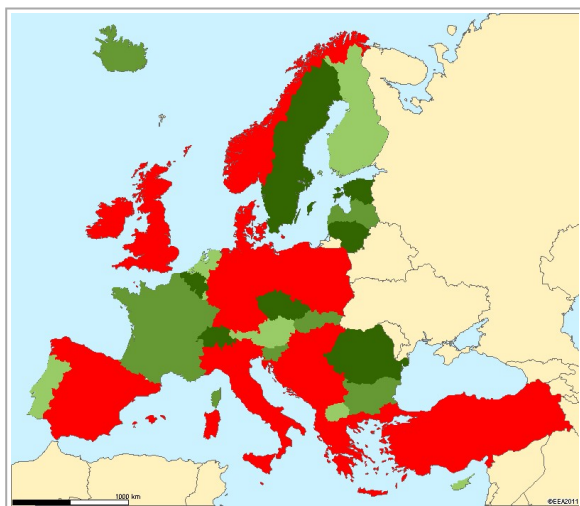
	The number of active ozone measurement stations signed up in a country provide an overall statistical data coverage of 1/10000 km <sup>2</sup> . In addition, the overall reliability of the stations should be greater than 80 % in the ozone season.
	The number of active ozone measurement stations signed up in a country provide an overall statistical data coverage of 1/10000 km <sup>2</sup> . 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 <a href="#">EEA web site</a>	

#### 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: Water emission quality



- 7 countries with a score of 3 points: Belgium, Switzerland, Czech Republic, Estonia, Lithuania, Romania, Sweden

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- 6 countries with a score of 2 points: Bulgaria, France, Iceland, Latvia, Slovenia, Slovakia

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- 7 countries with a score of 1 point: Austria, Cyprus, Finland, Luxembourg, Former Yugoslav Republic of Macedonia, Netherlands, Portugal

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- 18 countries did not meet the minimum criteria: Albania, Bosnia and Herzegovina, Germany, Denmark, Spain, United Kingdom, Greece, Croatia, Hungary, Ireland, Italy, Liechtenstein, Montenegro, Malta, Norway, Poland, Serbia, Turkey

### 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 sources and determinands. Important for achieving the maximum score is provision of more detailed source of emission data (if not delivered in another reporting or in the past years).











	<ol style="list-style-type: none"> <li>1. At least two determinands for Nutrients and Organic Matter Emission Discharges from Point Sources (if not delivered in another reporting)</li> <li>2. At least two determinands for Nutrients and Organic Matter Emission Discharges from Diffuse Sources (if not delivered in the past years)</li> <li>3. At least one determinand for Hazardous substances Emission Discharges from Point Sources (if not delivered in another reporting)</li> <li>4a. Emission values for Nutrients and Organic Matter Emission Discharges from Point Sources split at least for Urban and Industrial discharges, or</li> <li>4b. Emission values for Hazardous Substances Emission Discharges from Point Sources split at least for E-PRTR facilities and non E-PRTR facilities (for EU members only)</li> <li>5. Timely data delivery to national repository and country feedback to reported data issues</li> </ol>
	<ol style="list-style-type: none"> <li>1. At least two determinands for Nutrients and Organic Matter Emission Discharges from Point Sources (if not delivered in another reporting)</li> <li>2. At least two determinands for Nutrients and Organic Matter Emission Discharges from Diffuse Sources (if not delivered in the past years)</li> <li>3. At least one determinand for Hazardous substances Emission Discharges from Point Sources (if not delivered in another reporting)</li> <li>4. Timely data delivery to national repository and country feedback to reported data issues</li> </ol>
	<ol style="list-style-type: none"> <li>1a. One determinand for Nutrients and Organic Matter Emission Discharges from Point Sources (if not delivered in another reporting), or</li> <li>1b. One determinand for Nutrients and Organic Matter Emission Discharges from Diffuse Sources (if not delivered in the past years), or</li> <li>1c. One determinand for Hazardous substances Emission Discharges from Point Sources (if not delivered in another reporting)</li> </ol>
	No data delivery under WISE-SoE data collection 2010, no communication, or unusable data delivery.

Regular products [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 2010-2011	Remark
AE1: LRTAP data		Summary of emissions by sector for CO <sub>2</sub> , CH <sub>4</sub> and N <sub>2</sub> O for years 1990 to 2000 made available in CDR (16 March 2011).
AE1b: NEC data	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data		No information available in CDR (27 April 2011).
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Response to feedback report provided in CDR.
AQ2: Air quality questionnaire	N/A	Participation in the 2010 data flow is voluntary for countries which are not EU Member States. Albania has provided preliminary information for zone definition.
AQ2b: Monthly and summer ozone data		Two monthly reports provided on time in CDR but no information in CDR for April, June, July or August. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		Preliminary evaluation. Delivery on time but not in readable format. Redelivery requested.
EWN1: River quality		Data delivered on time, but not in the requested format (old template used). Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data. Not reported: proxy pressure data for all monitoring stations, preferred hazardous substances.
EWN2: Lake quality		Data delivered on time but in different format then requested (old template used) and with a lot of quality issues. Data not processed.
EWN3: Groundwater quality		Data delivered on time and in the requested format. At least 3 of 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. Extremely low concentration values reported - probably units error but no feedback from country.
ME1: Marine data		Timely delivery of data and at least 1 item that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>	N/A	Country did not participate in this data flow.
EWN4: Water quantity <sup>1</sup>	N/A	Country did not participate in this data flow.
NRTO3: Near real-time ozone data <sup>1</sup>	N/A	Country did not participate in this data flow.
WISE1: Water emission quality <sup>1</sup>		No data delivery under WISE-SoE data collection 2010.

<sup>1</sup> The scores are provided for information only.

Table 2.2 Data flow analysis for Austria
















Data flow name	Progress 2010-2011	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. Public access is restricted.
AE1b: NEC data		Full time series from 1990 plus projections (2010, 2015, 2020 and 2030) delivered on time in CDR. Requested format used. National inventory report provided. Delivery access still limited.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided but in zip file.
AE2b: EU GHG data		Full time series (1990-2009) 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 2009. More than 50% active stations monitoring PM <sub>10</sub> plus monitoring of smaller particulates. Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Historical data provided. Response to feedback report provided but not in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 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 <sup>th</sup> 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		Five monthly reports provided on time in CDR but delayed information for September (28 February 2011). Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		Delivery within time period (30/03/2011). Declaration that existing data is unchanged. 1228 sites reported. All sites have information on designation, IUCN category, coordinates and size. Boundaries are declared to be reported for 999 sites (81%).
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations, only 4 preferred SoE nutrients, long timeseries for all of them. Not reported: proxy pressure data for all monitoring stations, hazardous substances.
EWN3: Groundwater quality		Data delivered on time and in the requested format. All 5 requested chemical substances data provided 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.
ME1: Marine data	N/A	Country does not have a coastline.

Table 2.2 Data flow analysis for Austria (continued)

Data flow name	Progress 2010-2011	Remark
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery on time to CDR. Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>		Data delivered on time. Reported: only 3 regional parameters at SU level for all (8) SU and 100% in monthly scale; only 2.5 streamflow stations per SU on average, 100% on daily scale. Not reported: timeseries for wells and reservoirs.
NRT03: Near real- time ozone data <sup>1</sup>		Satisfactory spatial coverage of active stations and highly reliable data provision (92%) during the ozone season.
WISE1: Water emission quality <sup>1</sup>		Nutrients diffuse emissions reported in 2009; 2010 reporting: information about no significant changes in comparison to the status reported in 2009.

<sup>1</sup> The scores are provided for information only.

Table 2.3 Data flow analysis for Belgium



























Data flow name	Progress 2010-2011	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		Requested time series (2008 and 2009) plus additional years and projections (2010) delivered on time in CDR. Requested format partially used (Table 2 is not in the correct format). National inventory report not available by 18 January 2011.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. Response to UNFCCC review provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2009) 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 2009. More than 50% active stations monitoring PM <sub>10</sub> plus monitoring of smaller particulates. Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 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 <sup>th</sup> 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 now provided as GIS files.
AQ2b: Monthly and summer ozone data		All monthly reports for 2010 provided on time to CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		Data delivered on time: 3621 sites provided (more than 1500 additional). All sites have information on site designation, size and IUCN category. Boundaries have been reported for 3099 sites (86%). Request for coordinates to be calculated centrally for sites where information available. Geographical information missing for 435 sites (12%).
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN2: Lake quality		Data delivered on time and in the requested format but only for Flanders. Data for Wallonia not reported. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN3: Groundwater quality		Data delivered on time and in the requested format. All 5 requested chemical substances data provided but only 2 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.
ME1: Marine data		Timely delivery of data and at least 1 item that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).

Table 2.3 Data flow analysis for Belgium (continued)

Data flow name	Progress 2010-2011	Remark
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery on time to CDR. Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>		Data delivered on time for Flanders but delayed (30 Nov.) for Wallonia. Reported: 59 regional parameters at RBD level at total (56 parameters per RBD on average), but for only 2 of 7 RBDs and only 5 parameters on monthly scale; only 8 streamflow stations per RBD on average for only 6 RBDs, 75% on daily scale; 21 GW levels per RBD on average for only 4 RBDs, 100% on monthly scale. Not reported: timeseries for reservoirs.
NRTO3: Near real-time ozone data <sup>1</sup>		Satisfactory spatial coverage of active stations and highly reliable data provision (94%) during the ozone season.
WISE1: Water emission quality <sup>1</sup>		Data delivered on time. Nutrients and organic matter emission discharges provided for 5 determinands from diffuse sources and 7 determinands from point sources that are split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 23 determinands from diffuse sources and 44 determinands from point sources that are split for E-PRTR facilities and non E-PRTR facilities. 6 determinands from diffuse sources reported in past years.

<sup>1</sup> The scores are provided for information only.

Table 2.4 Data flow analysis for Bosnia and Herzegovina

Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		No information available in CDR on 28 April 2011.
AE1b: NEC data	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data		No information available in CDR (27 April 2011).
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		Data delivered with a slight delay (5 October 2010). Data on particulate matter available for 2009. Response to feedback report has been provided but not in CDR.
AQ2: Air quality questionnaire	N/A	Participation in the 2010 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data		Four monthly reports provided on time in CDR. April reported with a slight delay (3 June 2010) but no information provided yet in CDR for August 2010. 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 20 April 2011.
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data, including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN3: Groundwater quality		Data delivered on time and in the requested format. 3 of 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data missing.
ME1: Marine data		Timely delivery of data and at least 1 item that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>	N/A	Country did not participate in this data flow.
EWN4: Water quantity <sup>1</sup>	N/A	Country did not participate in this data flow.
NRTO3: Near real-time ozone data <sup>1</sup>	N/A	Country did not participate in this data flow.
WISE1: Water emission quality <sup>1</sup>		No data delivery under WISE-SoE data collection 2010.

<sup>1</sup> The scores are provided for information only.

Table 2.5 Data flow analysis for Bulgaria

















Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		Delivery on time in CDR. LRTAP/EMEP emission inventory status report not available.
AE1b: NEC data		Requested time series (2008 and 2009) and projections (2010 and 2015) delivered on time in CDR. Requested format partially used (Table 2 is not in the correct format). National inventory report not available by 18 January 2011.
AE2: UNFCCC data		Complete time series from 1988 on time in CDR. National inventory report provided. CRF XML format provided but in zip file.
AE2b: EU GHG data		Full time series (1988-2009) delivered on time in CDR for all gases. CRF XML format provided. Short inventory report also provided.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 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 <sup>th</sup> 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.
AQ2b: Monthly and summer ozone data		All monthly reports for 2010 provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		Delivery on time: 996 sites. All sites have information on designation, size, coordinates and valid IUCN categories. Boundaries have been reported for more than 95% of the sites (955).
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN3: Groundwater quality		Data delivered on time 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.
ME1: Marine data		Timely delivery of data but no item that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).














Table 2.5 Data flow analysis for Bulgaria (continued)

Data flow name	Progress 2010-2011	Remark
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery on time to CDR. Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>		Data delivered on time. Reported: only 9 streamflow stations per RBD on average for all (4) RBDs, 0% on daily, 100% on monthly scale; 3.25 reservoir per RBD on average, 100% on monthly scale. Not reported: timeseries for regional parameters and GW levels.
NRTO3: Near real-time ozone data <sup>1</sup>		Highly reliable data provision (95%) during the ozone season but only two stations are reporting so spatial coverage is still low.
WISE1: Water emission quality <sup>1</sup>		Data delivered on time. Nutrients and organic matter emission discharges provided for 0 determinands from diffuse sources and 3 determinands from point sources that are not split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 7 determinands from point sources that are split for E-PRTR facilities and non E-PRTR facilities.

<sup>1</sup> The scores are provided for information only.

Table 2.6 Data flow analysis for Croatia

Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		Delivery on time in CDR. LRTAP/EMEP emission inventory status report not available.
AE1b: NEC data	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 provided but in zip file.
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> . No response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire	N/A	Participation in the 2010 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data		Five monthly reports provided on time in CDR. June delivered with slight delay (27 August 2010). Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		Delivery on time: 472 sites reported (10 additional). All sites have information on IUCN category, site designation, size and coordinates. Boundaries have been reported for 447 sites (95%).
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN3: Groundwater quality		Data delivered on time and in the requested format. All 5 requested chemical substances data provided, all in disaggregated form. Coordinates of monitoring sites not reported due to security reasons. List of GW bodies with most important attributes data provided. GIS data missing.
ME1: Marine data		Timely delivery of data and at least 3 types of data submitted including those that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>	N/A	Country did not participate in this data flow.
EWN4: Water quantity <sup>1</sup>		Data delivered with delay (22 Nov.). Reported: 66 streamflow stations only on country level, almost 100% on daily scale; 23 GW levels only on country level, 100% on monthly scale. Not reported: timeseries for regional parameters and reservoirs.
NRTO3: Near real-time ozone data <sup>1</sup>	N/A	Country did not participate in this data flow.
WISE1: Water emission quality <sup>1</sup>		No data delivery under WISE-SoE data collection 2010.

<sup>1</sup> The scores are provided for information only.

Table 2.7 Data flow analysis for Cyprus

















Data flow name	Progress 2010-2011	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 available.
AE1b: NEC data		Requested time series (2008 and 2009) and projections (2010 ) delivered on time in CDR. Requested format partially used (Table 1 is not in the correct format). National inventory report not available by 18 January 2011.
AE2: UNFCCC data		Complete time series on time in CDR as delivered for EU monitoring mechanism. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Time series (1990 -2009) delivered with delay (31 January 2011). CRF XML format provided but does not include 2009 data. Short inventory report available.
AQ1: EoI data		Data delivered with a slight delay (6 October 2010). Data on particulate matter available for 2009 including monitoring of smaller particulates. Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 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 <sup>th</sup> Daughter Directive pollutants. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Agglomeration listed in Form 2 again covers whole national territory.
AQ2b: Monthly and summer ozone data		All monthly reports for 2010 provided on time in CDR. Full 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 20 April 2011.
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressures data for all of them, all preferred SoE nutrients, hazardous substances data including preferred SoE substances. Not reported: long time series for all preferred SoE nutrients.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN3: Groundwater quality		Data delivered on time and in the requested format. 4 of 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		No data delivery under WISE-SoE data collection 2010.

Table 2.7 Data flow analysis for Cyprus (continued)

Data flow name	Progress 2010-2011	Remark
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery on time to CDR. Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>		Data delivered on time. Reported: 21 regional parameters at RBD level for all (1) RBDs and 6 of them in monthly and 19 in annual scale; 14 streamflow stations, 100% on daily scale; 53 GW levels, 100% on monthly scale; 17 reservoirs, 100% on monthly scale.
NRT03: Near real-time ozone data <sup>1</sup>		Satisfactory spatial coverage and highly reliable data provision (89%) during the ozone season.
WISE1: Water emission quality <sup>1</sup>		Nutrients diffuse emissions reported during test phase in 2008. No 2009 and 2010 reporting.

<sup>1</sup> The scores are provided for information only.

Table 2.8 Data flow analysis for the Czech Republic

Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		Delivery on time in CDR but still in draft status on 28 April 2011.
AE1b: NEC data		Requested time series (2008 and 2009) and projections (2010 ) delivered on time in CDR. Requested format used. National inventory report not available by 18 January 2011.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2009) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Short inventory description also provided.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> plus monitoring of smaller particulates. Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 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.
AQ2b: Monthly and summer ozone data		All monthly reports for 2010 provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		Delivery on time: 2278 sites reported (approximately 50 additional). All sites have designation, size and IUCN category. Coordinates were not reported nor centralized calculation requested for 35 sites (just over 1%). Site boundary data provided for 2267 sites (more than 99%).
EWN1: River quality		No data delivery under WISE-SoE data collection 2010.
EWN2: Lake quality	N/A	Country does not have any relevant lake.
EWN3: Groundwater quality		Data delivered with a slight delay (9 Nov) 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.
ME1: Marine data	N/A	Country does not have a coastline.
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery late to CDR (13 April 2011). Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>		Data delivered on time. Reported: 56 regional parameters at RBD level at total (55 per RBD on average) for all (3) RBDs, but only 9 parameters in monthly scale; total only 5 streamflow station for all 3 RBD, 0% on daily, 100% on monthly scale; total 2 GW levels for only 2 RBDs; 100% on monthly scale. Not reported: timeseries for reservoirs.
NRTO3: Near real-time ozone data <sup>1</sup>		Satisfactory spatial coverage of active stations and highly reliable data provision (98%) during the ozone season.
WISE1: Water emission quality <sup>1</sup>		Data delivered on time. Nutrients and organic matter emission discharges provided for 0 determinands from diffuse sources and 3 determinands from point sources that are not split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 23 determinands from point sources that are split for E-PRTR facilities and non E-PRTR facilities. 2 determinands from diffuse sources reported in past years.

<sup>1</sup> The scores are provided for information only.

Table 2.9 Data flow analysis for Denmark

















Data flow name	Progress 2010-2011	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		Time series from 1980 plus projections (2010, 2015, 2020) provided on time in CDR. Requested reporting format used. No inventory report available by 18 January 2011.
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.
AE2b: EU GHG data		Full time series (1990-2009) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Brief inventory report also provided.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. More than 50% active stations monitoring particulates. Data not provided for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 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 <sup>th</sup> 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		Five monthly reports provided on time in CDR but delayed information for September (1 March 2011). Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		Delivery on time: 2254 sites reported for Denmark and Greenland (more than 100 additional). All sites have information on IUCN category and site designation. Coordinates have been reported or calculation requested for all sites. Boundaries and size have been reported for 2251 sites (more than 99%). Explanatory report including future work also provided.
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressures data for all of them, only 4 preferred SoE nutrients, long timeseries for all of them. Not reported: hazardous substances data.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations (previous years). Not reported: proxy pressure data for all monitoring stations, preferred SoE nutrients, hazardous substances.
EWN3: Groundwater quality		Data delivered on time 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.
ME1: Marine data		Timely delivery of data and at least 3 types of data submitted including those that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).

Table 2.9 Data flow analysis for Denmark (continued)

Data flow name	Progress 2010-2011	Remark
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery on time to CDR. Data in specified XML format. Completeness report available.
EWN4: Water quantity <sup>1</sup>		Data delivered on time. Reported: only 6 regional parameters at RBD scale (42 on country scale) for only 1 of 5 RBDs and all only on annual scale; 140 GW levels per RBD on average for only 4 RBDs, 100% on annual scale. Not reported: timeseries fo streamflow stations and reservoirs.
NRTO3: Near real-time ozone data <sup>1</sup>		Satisfactory spatial coverage and reliable data provision (66%) during the ozone season.
WISE1: Water emission quality <sup>1</sup>		No data delivery under WISE-SoE data collection 2010.

<sup>1</sup> The scores are provided for information only.

Table 2.10 Data flow analysis for Estonia

















Data flow name	Progress 2010-2011	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		Time series from 1990 plus projections (2010, 2015) provided on time in CDR. Requested format used. No inventory report available by 18 January 2011.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2009) delivered in CDR on time for all required gases except PFCs. CRF XML format provided. Draft inventory report also provided.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> plus monitoring of smaller particulates. Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 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 <sup>th</sup> Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment of. 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 2010 provided in CDR on time. Summer report delivered on time. EoI codes provided.
CDDA1: Designated areas		Delivery on time: 15019 sites reported (approximately 500 additional sites). All sites have information on designation and IUCN category. More than 82% of sites have public coordinates. Site boundary data provided for more than 97% of the sites (14626). Spatial information for a number of designations is officially restricted in Estonia.
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressures data for all of them, all preferred SoE nutrients and in long timeseries, hazardous substances data. Not reported: preferred hazardous substances.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressures data for all of them, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances.
EWN3: Groundwater quality		Data delivered on time and in the requested format. 4 of 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		Timely delivery of data and at least 3 types of data submitted including those that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).



Table 2.10 Data flow analysis for Estonia (continued)

Data flow name	Progress 2010-2011	Remark
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery on time to CDR. Additional files provided later. Data in specified XML format. Completeness report provided.
EWN4: Water quantity <sup>1</sup>		Data delivered on time. Reported: 68 regional parameters but only at country level and all only on annual scale; only 11 streamflow stations per RBD on average for only 2 of 3 RBDs, 100% on daily scale. Not reported: timeseries for GW levels and reservoirs.
NRTO3: Near real-time ozone data <sup>1</sup>		Highly reliable data provision (83%) during the ozone season but only two stations are reporting so spatial coverage is still low.
WISE1: Water emission quality <sup>1</sup>		Data delivered on time. Nutrients and organic matter emission discharges provided for 0 determinands from diffuse sources and 5 determinands from point sources that are split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 59 determinands from point sources that are not split for E-PRTR facilities and non E-PRTR facilities. 2 determinands from diffuse sources reported in past years.











<sup>1</sup> The scores are provided for information only.

Table 2.11 Data flow analysis for Finland

Data flow name	Progress 2010-2011	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		Time series from 1980 provided plus projections (2020, 2050) on time in CDR. Requested format partially used (Table 2A and years before 2005 are not in the requested format). Inventory report available.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2009) delivered on time in CDR for all gases in the criteria. CRF format provided. Draft inventory report also provided.
AQ1: EoI data		Data delivered with delay (12 November). Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time. Forms 8 and 9 contain information on whether 2009 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. Information provided for 4 <sup>th</sup> 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 definition information has changed from previous year.
AQ2b: Monthly and summer ozone data		All monthly reports for 2010 provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		Data delivered on time: 9444 (approximately 2000 additional) sites reported. All sites have designation, coordinates, IUCN category and size information. Boundary data provided for 9375 sites (more than 99%).
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN3: Groundwater quality		Data delivered on time and in the requested format. 4 of 5 requested chemical substances data provided but all in aggregated form. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		No data delivery under WISE-SoE data collection 2010.
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery on time to CDR. Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>		Data delivered on time. Reported: only 9 regional parameters and all only at country level and on annual scale; 13.5 streamflow stations per RBD on average for only 6 of 8 RBDs, 100% on daily scale. Not reported: timeseries for GW levels and reservoirs.
NRTO3: Near real-time ozone data <sup>1</sup>		Satisfactory spatial coverage and highly reliable data provision (89%) during the ozone season.
WISE1: Water emission quality <sup>1</sup>		Nutrients diffuse emissions reported during test phase in 2008 and in 2009. No 2010 reporting.

<sup>1</sup> The scores are provided for information only.

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

Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		Delivery on time in CDR. LRTAP/EMEP informative inventory report not provided.
AE1b: NEC data	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data		Partial time series ( 1990-2002) delivered on time in CDR. XML format not available. National inventory summary report included.
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> . Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire	N/A	Participation in the 2010 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data		All monthly reports for 2010 provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		Delivered on time: 75 sites reported. All sites have designation and IUCN category information. Size has been reported for 72 sites (96%) and coordinates are now available for 73 sites ( more than 96%). No boundary data provided yet.
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations, only 3 preferred SoE nutrients, long timeseries for all of them, hazardous substances data including preferred SoE substances. Not reported: proxy pressures data for all monitoring stations.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations, only 2 preferred SoE substances (long timeseries for both). Not reported: proxy pressure data for all monitoring stations, hazardous substances.
EWN3: Groundwater quality		Data delivered on time and in the requested format. None of the 5 requested chemical substances data provided. Monitoring sites with coordinates and links to GW bodies provided. List of GW bodies with most important attributes data provided. GIS data missing.
ME1: Marine data	N/A	Country does not have a coastline.
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>	N/A	Country did not participate in this data flow.
EWN4: Water quantity <sup>1</sup>		Data delivered on time. Reported: only 9 regional parameters and all only at country level and on annual scale; 10 streamflow stations but only at country level, 100% on daily scale; only 7 GW levels, all only at country level, 100% on monthly scale. Not reported: timeseries for reservoirs.
NRTO3: Near real-time ozone data <sup>1</sup>	N/A	Country did not participate in this data flow.
WISE1: Water emission quality <sup>1</sup>		Data delivered on time. Nutrients and organic matter emission discharges provided for 0 determinands from diffuse sources and 3 determinands from point sources that are not split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 0 determinands.

<sup>1</sup> The scores are provided for information only.

Table 2.13 Data flow analysis for France

















Data flow name	Progress 2010-2011	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		Full time series from 1980 plus projections (2010, 2015 and 2020) delivered on time in CDR. Requested format not used. Inventory report not available by 18 January 2011.
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.
AE2b: EU GHG data		Full time series (1990-2009) delivered on time for all gases in the criteria. There were a number of redeliveries during January. CRF XML format provided. Brief inventory report provided.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 81 zones and agglomerations listed in Form 2. Information provided for 4 <sup>th</sup> 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 for one zone. Coordinates for a number of zones available in excel template.
AQ2b: Monthly and summer ozone data		All monthly reports for 2010 provided on time to CDR. Summer report delivered on time. Requested metadata provided but template from Data Dictionary, which enables automatic quality checking not used.
CDDA1: Designated areas		Delivery on time: 2006 (more than 200 additional) sites reported including DOM/TOM. All sites have designations and valid IUCN categories. Coordinates reported for 1990 sites (more than 99%). Information on size available for 1918 sites (more than 95%). Boundaries provided for 1732 sites (approximately 86%).
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressures data for all of them, only 4 preferred SoE nutrients, long timeseries for all of them, hazardous substances including preferred SoE substances.
EWN3: Groundwater quality		Data delivered on time 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.
ME1: Marine data		Timely delivery of data and at least 3 types of data submitted including those that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).

Table 2.13 Data flow analysis for France (continued)

Data flow name	Progress 2010-2011	Remark
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery on time to CDR. Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>		Data delivered on time. Reported: only 18 regional parameters at RBD and SU level, for 9 of 13 RBDs and 33 of 37 SUs but all only on annual scale. Not reported: timeseries for streamflow stations, GW levels and reservoirs.
NRTO3: Near real-time ozone data <sup>1</sup>		Highly reliable data provision (more than 80%) during the ozone season and spatial coverage is satisfactory following a major increase in the number of reporting stations.
WISE1: Water emission quality <sup>1</sup>		Data delivered on time. Nutrients and organic matter emission discharges provided for 0 determinands from diffuse sources and 6 determinands from point sources that are not split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 37 determinands from point sources that are split for E-PRTR facilities and non E-PRTR facilities. Only 1 determinand from diffuse sources reported in past years.
















<sup>1</sup> The scores are provided for information only.

Table 2.14 Data flow analysis for Germany

Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. Emission inventory report provided.
AE1b: NEC data		Time series from 1990 plus projections (2010) provided on time in CDR. Requested format not used (Table 2). Inventory report not available by 18 January 2011.
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.
AE2b: EU GHG data		Full time series (1990-2009) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Inventory report provided.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 113 zones and agglomerations listed in Form 2. Information provided for 4 <sup>th</sup> 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 zones and agglomerations listed in Form 2 provided in CDR.
AQ2b: Monthly and summer ozone data		All monthly reports for 2010 provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		Delivery on time: 16882 sites reported (more than 1000 additional sites). All sites have a designation and a IUCN category. Coordinates are available for 16796 sites (more than 99%). Boundary data provided for 16042 sites (95%).
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients, hazardous substances data including preferred SoE substances. Not reported: proxy pressures data for all monitoring stations, long time series for all preferred SoE nutrients.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: 62 of 63 monitoring stations with coordinates, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN3: Groundwater quality		Data delivered on time 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.
ME1: Marine data		Timely delivery of data and at least 3 types of data submitted including those that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery on time to CDR. Data in specified XML format. Completeness report available.
EWN4: Water quantity <sup>1</sup>	N/A	Country did not participate in this data flow.
NRT03: Near real-time ozone data <sup>1</sup>		Satisfactory spatial coverage of active stations and highly reliable data provision (97%) during the ozone season.
WISE1: Water emission quality <sup>1</sup>		No data delivery under WISE-SoE data collection 2010.















<sup>1</sup> The scores are provided for information only.

Table 2.15 Data flow analysis for Greece

Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		Delivery on time in CDR. LRTAP/EMEP informative inventory report not provided.
AE1b: NEC data		Data delivered to CDR with delay (21 January 2011).
AE2: UNFCCC data		Delivery to UNFCCC on time and later uploaded to CDR . CRF XML format available but cannot be automatically checked because inside zip file. National inventory report provided.
AE2b: EU GHG data		Full time series (1990-2009) delivered on time. CRF XML format provided. Inventory report provided. Several subsequent deliveries with additional information.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Data not provided for 4 <sup>th</sup> Daughter Directive pollutants. Historical data provided. Response to feedback report has been provided but not in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 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 4 <sup>th</sup> Daughter Directive but provided in a later delivery.. EoI codes provided in Forms 3 and 4 for stations used in the assessment but again with a different country code and in some cases format. 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 2010 provided on time in CDR. Summer report delivered on time. Requested metadata provided but changes made to EoI code.
CDDA1: Designated areas		Delivery on time: 810 sites reported. All sites have a designation, size, a valid IUCN category and coordinates. Boundary data has been provided for all sites.
EWN1: River quality		No data delivery under WISE-SoE data collection 2010.
EWN2: Lake quality		No data delivery under WISE-SoE data collection 2010.
EWN3: Groundwater quality		No data delivery under WISE-SoE data collection 2010, no communication.
ME1: Marine data		No data delivery under WISE-SoE data collection 2010.
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery late to CDR (13 April 2011). Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>	N/A	Country did not participate in this data flow.
NRTO3: Near real-time ozone data <sup>1</sup>		Some data provided during the ozone season on an irregular basis.
WISE1: Water emission quality <sup>1</sup>		No data delivery under WISE-SoE data collection 2010.

<sup>1</sup> The scores are provided for information only.













Table 2.16 Data flow analysis for Hungary

Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		Delivery on time in CDR. LRTAP/EMEP emission inventory status report not available.
AE1b: NEC data		Data delivered to CDR on time. Information for 2009 provided but not in requested format. No data provided for 2008 nor for projections. Inventory report not available by 18 January 2011.
AE2: UNFCCC data		Delivery to UNFCCC with slight delay (21 April 2011) files are later version than delivered for the EU monitoring mechanism. CRF XML format not available. No data or referral in CDR at 27 April 2011.
AE2b: EU GHG data		Full time series (1985-2009) delivered in CDR with significant delay (3 February 2010). CRF XML format provided. Draft inventory report not available. SEF information provided on 15 January 2011.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 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. Information provided for 4 <sup>th</sup> 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 2010 provided in CDR but the report for August was delayed (6 October 2010). Summer report delivered on time. EoI codes provided for all stations.
CDDA1: Designated areas		No updated data delivery or confirmation of draft provided by EEA available in CDR by 20 April 2011.
EWN1: River quality		No data delivery under WISE-SoE data collection 2010.
EWN2: Lake quality		No data delivery under WISE-SoE data collection 2010.
EWN3: Groundwater quality		No data delivery under WISE-SoE data collection 2010, no communication.
ME1: Marine data	N/A	Country does not have a coastline.
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery late to CDR (4 April 2011). Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>	N/A	Country did not participate in this data flow.
NRT03: Near real-time ozone data <sup>1</sup>		Highly reliable data provision (85%) during the ozone season but spatial coverage of active stations not yet sufficient.
WISE1: Water emission quality <sup>1</sup>		No data delivery under WISE-SoE data collection 2010.

<sup>1</sup> The scores are provided for information only.



Table 2.17 Data flow analysis for Iceland

Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		No information available in CDR on 28 April 2011.
AE1b: NEC data	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data		Complete time series delivered on time to UNFCCC and referral provided in CDR. CRF XML format not provided. National inventory report not available.
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> plus monitoring of smaller particulates. Response to feedback has been provided in CDR.
AQ2: Air quality questionnaire	N/A	Participation in the 2010 data flow is voluntary for countries which are not EU Member States. Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 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 not available for lead and 4 <sup>th</sup> 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.
AQ2b: Monthly and summer ozone data		All monthly reports for 2010 provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		Delivery on time. 104 sites reported. All sites have information on IUCN categories, designations, size and coordinates. Boundary information provided for 102 sites (98%).
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressures data for all of them, only 4 preferred SoE nutrients, long timeseries for all of them, hazardous substances data including preferred SoE substances.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressures data for all of them, only 3 preferred SoE nutrients, hazardous substances. Not reported: long time series for all preferred SoE nutrients, preferred SoE hazardous substances.
EWN3: Groundwater quality		Data delivered on time and in the requested format. 3 of 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. List of GW bodies with most important attributes data provided. GIS data missing.
ME1: Marine data		Timely delivery of data and at least 1 item that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery late to CDR (5 April). Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>	N/A	Country did not participate in this data flow.
NRTO3: Near real-time ozone data <sup>1</sup>		Highly reliable data provision (92%) during the ozone season but spatial coverage of active stations not yet sufficient.
WISE1: Water emission quality <sup>1</sup>		Data delivered on time. Nutrients and organic matter emission discharges provided for 2 determinands from diffuse sources and 2 determinands from point sources that are not split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 10 determinands from point sources. 2 determinands from diffuse sources reported in past years.

<sup>1</sup> The scores are provided for information only.

Table 2.18 Data flow analysis for Ireland
































Data flow name	Progress 2010-2011	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		Time series from 1990 plus projections (2010) provided on time in CDR. Requested format used. Inventory report not available by 18 January 2011.
AE2: UNFCCC data		Complete time series on time in CDR. CRF XML format provided. National inventory report provided.
AE2b: EU GHG data		Full time series (1990-2009) 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 2009. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 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 <sup>th</sup> Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Zone definitions have changed since previous delivery and new boundary data has been provided.
AQ2b: Monthly and summer ozone data		All monthly reports for 2010 provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		Delivery on time. 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%).
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations, only 4 preferred SoE nutrients, long timeseries for all of them, hazardous substances data including preferred SoE substances. Not reported: proxy pressures for all monitoring stations.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressures data for all of them, only 3 preferred SoE nutrients, long timeseries for all of them. Not reported: proxy pressure data for all monitoring stations, hazardous substances.
EWN3: Groundwater quality		Data delivered on time 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.
ME1: Marine data		Timely delivery of data and at least 1 item that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).

Table 2.18 Data flow analysis for Ireland (continued)

Data flow name	Progress 2010-2011	Remark
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery on time to CDR. Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>		Data delivered on time. Reported: 24 regional parameters at RBD level at total (only 15 per RBD on average) for all (7) RBD, but all parameters only on annual scale; only 5 streamflow station per RBD on average, 100% on monthly scale; only 6 GW level at country level; 100% on monthly scale; total 9 reservoirs for only 4 RBDs, 100% on monthly scale.
NRTO3: Near real-time ozone data <sup>1</sup>		Satisfactory spatial coverage and highly reliable data provision (80%) during the ozone season.
WISE1: Water emission quality <sup>1</sup>		Provided point source emissions from E-PRTR industrial and wastewater facilities and communicated that to the EEA. However, no reporting was made under the official emissions reporting procedure.

<sup>1</sup> The scores are provided for information only.

Table 2.19 Data flow analysis for Italy

Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		Delivery with significant delay (4 April 2011) on national server.
AE1b: NEC data		Time series from 1990 plus projections (2010) provided on time on national server. Requested format used. Inventory report not available by 18 January 2011.
AE2: UNFCCC data		Complete time series on time on national server. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Time series information provided in national repository with delay 13 February 2011. Short inventory report not available. SEF information available from 17 January 2011.
AQ1: EoI data		Data delivered with slight delay (4 October 2010). Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report has been provided in national repository.
AQ2: Air quality questionnaire		Data from the regions has not been aggregated into a national delivery. Eleven regions were available on the national server on time. Seven regions were delivered with a slight delay (by 8 October 2011). Two regions were delivered with delay (by 30 October 2011).
AQ2b: Monthly and summer ozone data		Monthly reports all available on time in national repository. Summer ozone report provided with slight delay (1 November). EoI codes provided.
CDDA1: Designated areas		Delivery on time in national repository. 883 sites reported (more than 100 additional). All sites have information on IUCN categories, designations and size and centralized calculation has been requested for coordinates. Boundary data has been provided for 870 sites (more than 98%).
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN3: Groundwater quality		No data delivery under WISE-SoE data collection 2010, no communication.
ME1: Marine data		No data delivery under WISE-SoE data collection 2010.
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery on time to CDR. Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>	N/A	Country did not participate in this data flow.
NRTO3: Near real-time ozone data <sup>1</sup>		Satisfactory spatial coverage of active stations and reliable data provision (more than 60%) during the ozone season.
WISE1: Water emission quality <sup>1</sup>		No data delivery under WISE-SoE data collection 2010.

<sup>1</sup> The scores are provided for information only.

Table 2.20 Data flow analysis for Latvia



























Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report available.
AE1b: NEC data		Time series from 1990 delivered to CDR on time in requested format. Projections (2010, 2015 and 2020) provided. Inventory report available.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2009) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Draft inventory report also provide by the deadline.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> plus monitoring of smaller particulates. Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 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 <sup>th</sup> 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 and not as GIS files or as lists of administrative units.
AQ2b: Monthly and summer ozone data		All monthly reports for 2010 provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		Delivery uploaded on time but released later. 704 sites reported. All sites have information on IUCN categories, designations and size and coordinates. Boundary data provided for approximately 50% of the sites.
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressures (population only) data for all of them, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances.
EWN3: Groundwater quality		Data delivered on time and in the requested format. 4 of 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		Timely delivery of data and at least 1 item that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).

Table 2.20 Data flow analysis for Latvia (continued)

Data flow name	Progress 2010-2011	Remark
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery late to CDR (13 April 2011). Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>		Data delivered on time. Reported: 73 regional parameters at RBD level at total (73 per RBD) for all (4) RBDs, but all parameters only on annual scale; only 3.25 streamflow stations per RBD on average, 100% on annual scale; 17.25 GW levels per RBD on average; 100% on annual scale; total 3 reservoirs for only 1 RBD; 100% on annual scale.
NRTO3: Near real-time ozone data <sup>1</sup>		Highly reliable data provision (96%) during the ozone season but only one station is reporting so spatial coverage is still low.
WISE1: Water emission quality <sup>1</sup>		Data delivered on time. Nutrients and organic matter emission discharges provided for 0 determinands from diffuse sources and 7 determinands from point sources that are split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 6 determinands from point sources that are split for E-PRTR facilities and non E-PRTR facilities.

<sup>1</sup> The scores are provided for information only.

Table 2.21 Data flow analysis for Liechtenstein

Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		Delivery available on CDR with delay 11 March 2011.
AE1b: NEC data	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data		Complete time series delivered on time to UNFCCC and then uploaded in CDR. CRF XML format provided. National inventory report provided.
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009 for the Liechtenstein station. Response to feedback report not expected.
AQ2: Air quality questionnaire	N/A	Participation in the 2010 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data		All monthly reports for 2010 provided in CDR but there were delays for April (7 June) and June (3 August). Summer report delivered with a slight delay (5 November). Requested metadata provided.
CDDA1: Designated areas		Delivery on time: confirmation provided that the existing 40 sites are unchanged. 100% have required information. Boundary data provided for all sites.
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressures data for all of them, only 3 preferred SoE nutrients, long timeseries for all of them. Not reported: hazardous substances data.
EWN2: Lake quality	N/A	Country does not have any relevant lake.
EWN3: Groundwater quality		Data delivered on time and in the requested format. 2 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.
ME1: Marine data	N/A	Country does not have a coastline.
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery late to CDR (6 April 2011). Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>	N/A	Country did not participate in this data flow.
NRTO3: Near real-time ozone data <sup>1</sup>		Satisfactory spatial coverage and highly reliable data provision (90%) during the ozone season.
WISE1: Water emission quality <sup>1</sup>		No data delivery under WISE-SoE data collection 2010.

<sup>1</sup> The scores are provided for information only.

Table 2.22 Data flow analysis for Lithuania

















Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		Informative inventory report available on time in CDR.
AE1b: NEC data		2007-2009 information plus 1990,1995 and projections (2010, 2015 and 2020) delivered to CDR on time. Requested format used. Inventory report not available by 18 January 2011.
AE2: UNFCCC data		Delivery to UNFCCC on time and later uploaded to CDR. CRF XML format available.
AE2b: EU GHG data		Full time series (1990-2009) 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 2009. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report available in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 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 <sup>th</sup> 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 2010 provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		Provisional evaluation pending clarification on boundary data with ETC BD. Delivery on time: 340 sites reported. All sites have designations, valid IUCN categories and information on size. Coordinates are available for 331 sites (97%). Boundary data provided for 338 sites (more than 99%).
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressures data for all of them, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressures data for all of them, all preferred SoE nutrients and in long timeseries. Not reported: hazardous substances.
EWN3: Groundwater quality		Data delivered on time and in the requested format. 3 of 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		Timely delivery of data and at least 3 types of data submitted including those that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).
















Table 2.22 Data flow analysis for Lithuania (continued)

Data flow name	Progress 2010-2011	Remark
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery late to CDR (13 April 2011). Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>		Data delivered on time. Reported: 146 regional parameters at RBD level at total (144 per RBD on average) for all (4) RBDs but all parameters only on annual scale; only 3.25 streamflow stations per RBD on average, 100% on monthly scale; only 5.75 GW levels per RBD on average, 100% on monthly scale. Not reported: timeseries for reservoirs.
NRTO3: Near real-time ozone data <sup>1</sup>		Highly reliable data provision (96%) and satisfactory spatial coverage.
WISE1: Water emission quality <sup>1</sup>		Data delivered on time. Nutrients and organic matter emission discharges provided for 2 determinands from diffuse sources and 7 determinands from point sources that are split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 17 determinands from point sources that are split for E-PRTR facilities and non E-PRTR facilities.















<sup>1</sup> The scores are provided for information only.

Table 2.23 Data flow analysis for Luxembourg

Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		No information available on CDR on 28 April 2011.
AE1b: NEC data		2009 information plus projections (2010) delivered to CDR on time in requested format. No information provided for 2008. Inventory report not available by 18 January 2011.
AE2: UNFCCC data		Complete time series on time in CDR. CRF XML format provided. National inventory report available.
AE2b: EU GHG data		Time series delivered with significant delay in CDR (6 February 2009). CRF XML format provided. Short inventory report not available.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report available in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 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 <sup>th</sup> 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		Five monthly reports for 2010 provided on time in CDR. April delivered with slight delay (4 June). 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 20 April 2011.
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressures data for all of them, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances.
EWN2: Lake quality	N/A	Country does not have any relevant lake.
EWN3: Groundwater quality		Data delivered on time and in the requested format. 3 of 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data	N/A	Country does not have a coastline.
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery on time to CDR. Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>	N/A	Country did not participate in this data flow.
NRTO3: Near real-time ozone data <sup>1</sup>		Satisfactory spatial coverage and highly reliable data provision (94%) during the ozone season.
WISE1: Water emission quality <sup>1</sup>		Nutrients diffuse emissions reported during test phase in 2008. No 2009 and 2010 reporting.











<sup>1</sup> The scores are provided for information only.

Table 2.24 Data flow analysis for Malta

Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		No information available on CDR on 28 April 2011.
AE1b: NEC data		No information available in CDR by 24 February 2011.
AE2: UNFCCC data		Complete time series on time in CDR as delivered for EU monitoring mechanism. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2009) delivered on time in CDR for all gases in the criteria. CRF XML format provided. National inventory report also provided.
AQ1: EoI data		Data delivered with significant delay (18 January 2011). Delivery too late for normal feedback procedure.
AQ2: Air quality questionnaire		Data delivered with significant delay (21 April 2011).
AQ2b: Monthly and summer ozone data		Four monthly reports for 2010 provided on time in CDR. Reports were delayed for April (17 June) and September (1 November). Summer report delivered with delay (26 November). Requested metadata available.
CDDA1: Designated areas		No updated data delivery or confirmation of draft provided by EEA available in CDR by 20 April 2011.
EWN1: River quality	N/A	Not applicable.
EWN2: Lake quality		No data delivery under WISE-SoE data collection 2010.
EWN3: Groundwater quality		No data delivery under WISE-SoE data collection 2010.
ME1: Marine data		No data delivery under WISE-SoE data collection 2010.
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery late to CDR (14 April 2011). Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>	N/A	Country did not participate in this data flow.
NRT03: Near real-time ozone data <sup>1</sup>		Satisfactory spatial coverage and highly reliable data provision (87%) during the ozone season.
WISE1: Water emission quality <sup>1</sup>		No data delivery under WISE-SoE data collection 2010.

<sup>1</sup> The scores are provided for information only.

Table 2.25 Data flow analysis for Montenegro

Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		Data uploaded to CDR on time although released later. Inventory status report not available.
AE1b: NEC data	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data		No information available in CDR (27 April 2011).
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		Data delivered on time in CDR (30 September 2010) but envelope released later (5 October). Data on particulate matter provided for 2009 but not in CDR. No response to feedback report available in CDR.
AQ2: Air quality questionnaire	N/A	Participation in the 2010 data flow is voluntary for countries which are not EU Member States. Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for two of the three zones and agglomerations listed in Form 2. Metadata available for the stations declared in Forms 3 and 4. No boundary information available.
AQ2b: Monthly and summer ozone data		Summer report delivered with delay (12 November 2010). No monthly reports provided.
CDDA1: Designated areas		Delayed confirmation of draft prepared by EEA (3 May 2011).
EWN1: River quality		Data delivered on time and in the requested format. Reported: only 5 of 36 monitoring stations with coordinates, only 4 preferred SoE nutrients, long timeseries for all of them. Not reported: proxy pressures data for all monitoring stations, hazardous substances data.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: proxy pressures data for all monitoring stations, only 4 preferred SoE nutrients, hazardous substances. Not reported: coordinates for monitoring stations, long time series for preferred SoE nutrients, preferred SoE hazardous substances.
EWN3: Groundwater quality		Data delivered on time, but not in the requested format. 4 of 5 requested chemical substances data provided but all in aggregated form. GIS data missing.
ME1: Marine data		No data delivery under WISE-SoE data collection 2010.
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>	N/A	Country did not participate in this data flow.
EWN4: Water quantity <sup>1</sup>	N/A	Country did not participate in this data flow.
NRTO3: Near real-time ozone data <sup>1</sup>	N/A	Country did not participate in this data flow.
WISE1: Water emission quality <sup>1</sup>		No data delivery under WISE-SoE data collection 2010.

<sup>1</sup> The scores are provided for information only.

Table 2.26 Data flow analysis for the Netherlands

Data flow name	Progress 2010-2011	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 available but explanatory delivery notes provided.
AE1b: NEC data		Information for 2008 and 2009 plus projections (2010, 2015, 2020 and 2030) for all pollutants delivered on time in CDR. Requested format used. National inventory report not provided by 18 January 2011.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2009) 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 2009. More than 50% active stations monitoring PM <sub>10</sub> . Plus monitoring of smaller particulates. Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Historical data provided. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time to Central Data Repository. Forms 8 and 9 contain information on whether 2009 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 <sup>th</sup> 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 2010 provided on time in CDR. EoI codes provided for all stations. Summer report delivered on time.
CDDA1: Designated areas		No updated data delivery or confirmation of draft provided by EEA available in CDR by 20 April 2011.
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN3: Groundwater quality		Data delivered on time and in the requested format. 2 of 5 requested chemical substances data provided but all in aggregated form. GIS data missing.
ME1: Marine data		Timely delivery of data and at least 3 types of data submitted including those that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery late to CDR (8 April 2011). Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>		Data delivered on time. Reported: 116 regional parameters but only at country level and all only on annual scale. Not reported: timeseries for streamflow stations, GW levels and reservoirs.
NRT03: Near real-time ozone data <sup>1</sup>		Satisfactory spatial coverage of active stations and highly reliable data provision (87%) during the ozone season.
WISE1: Water emission quality <sup>1</sup>		Nutrients diffuse emissions reported during test phase in 2008. No 2009 and 2010 reporting.
















<sup>1</sup> The scores are provided for information only.

Table 2.27 Data flow analysis for Norway

Data flow name	Progress 2010-2011	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	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.
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> . Plus monitoring of smaller particulates. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time to Central Data Repository. Forms 8 and 9 contain information on whether 2000 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 data for lead was included in a revised delivery. Information provided for 4 <sup>th</sup> 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		Five monthly reports for 2010 provided on time in CDR. Slight delay for the June report (2 August). Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		Delivery on time: 2851 sites reported (approximately 200 additional). All sites have designations and IUCN category. Information on size is available for all sites other than point features (for example: Natural monuments). Request made for centralized calculation of all coordinates. Boundary data provided for 2603 sites (more than 90%). Explanatory report for current and planned updates provided.
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressures data for all of them, only 3 preferred SoE nutrients, long timeseries for all of them, hazardous substances data including preferred SoE substances.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations, only 4 preferred SoE nutrients, long timeseries for all of them, hazardous substances including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN3: Groundwater quality		Data delivered on time and in the requested format. 3 of 5 requested chemical substances data provided (only 1 record for one of them), 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.
ME1: Marine data		Timely delivery of data and at least 3 types of data submitted including those that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery late to CDR (11 April 2011). Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>	N/A	Timely delivery, but data delivered in old templates.
NRTO3: Near real-time ozone data <sup>1</sup>		Highly reliable data provision (97%) during the ozone season but spatial coverage of active stations not yet sufficient.
WISE1: Water emission quality <sup>1</sup>		No data delivery under WISE-SoE data collection 2010.

<sup>1</sup> The scores are provided for information only.

Table 2.28 Data flow analysis for Poland

Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		Partial time series (2008 -2009 ) delivered on time in CDR. LRTAP/EMEP emission inventory status report provided.
AE1b: NEC data		Information for 2009 plus projections (2010) for all pollutants delivered on time in CDR. National inventory report provided. Full set of NEC data for Poland for 2000-2009 uploaded later.
AE2: UNFCCC data		Complete time series on time in CDR as delivered for EU monitoring mechanism. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2009) 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 2009. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report on this delivery is available in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 186 zones and agglomerations listed in Form 2. EoI codes provided in Forms 3 and in Form 4. 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 2010 provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		Provisional evaluation pending clarification on boundary data with ETC BD. Delivery on time: 2186 sites reported (more than 100 additional). All sites havea designation. 1944 sites have information on their size (90%). 1842 sites have coordinates (84%). Approximately 75% of the sites have IUCN categories (1649). Boundaries are now provided for almost 75% of the sites (1598).
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressures data for all of them, only 3 preferred SoE nutrients, long timeseries for all of them, hazardous substances data including preferred SoE substances.
EWN2: Lake quality		Data delivered very late (18 Mar 2011) after the data processing period.
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.
ME1: Marine data		Timely delivery of data and at least 3 types of data submitted including those that supports marine CSI (haazardous substances in biota and nutrients/chlorophyll in seawater).
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery on time to CDR. Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>	N/A	Country did not participate in this data flow.
NRTO3: Near real-time ozone data <sup>1</sup>		Satisfactory spatial coverage and reliable data provision (72%) during the ozone season.
WISE1: Water emission quality <sup>1</sup>		No data delivery under WISE-SoE data collection 2010.

<sup>1</sup> The scores are provided for information only.

Table 2.29 Data flow analysis for Portugal

Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory report not available.
AE1b: NEC data		Full time series from 1990 for all pollutants plus projections (2010 and 2020) delivered on time to CDR. Requested reporting format not used. No inventory report available by 18 January 2011.
AE2: UNFCCC data		Complete time series on time in CDR as delivered for EU monitoring mechanism. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2009) for all gases in the criteria delivered on time in CDR. CRF XML format provided. Short inventory report available.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. No information available for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report on this delivery is available.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 31 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. Additional report on pollution by natural events provided. Declaration that zone boundaries have been changed but no geospatial information provided in CDR.
AQ2b: Monthly and summer ozone data		All monthly reports for 2010 provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		Major revision of data but delivered to CDR with delay 18 May 2011. Requested reporting format not used.
EWN1: River quality		Data delivered with acceptable delay (16 Nov.), in the requested format. Reported: monitoring stations and proxy pressures data for all of them, only 3 preferred SoE nutrients, long timeseries for all of them, hazardous substances data including preferred SoE substances.
EWN2: Lake quality		Data delivered on time (final delivery 1 month after the deadline) and in the requested format. Reported: monitoring stations and proxy pressure data for all of them, all preferred SoE nutrients, hazardous substances including preferred SoE substances. Not reported: long time series for all preferred SoE nutrients.
EWN3: Groundwater quality		Data delivered with a delay (17 Nov) and in the requested format. Despite the late delivery the data were accepted. 4 of 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		Timely delivery of data and at least 1 item that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery late to CDR (26 April 2011). Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>	N/A	Country did not participate in this data flow.
NRTO3: Near real-time ozone data <sup>1</sup>		Satisfactory spatial coverage of active stations and regular data provision (50%) during the ozone season.
WISE1: Water emission quality <sup>1</sup>		Nutrients diffuse emissions reported during test phase in 2008. No 2009 and 2010 reporting.

<sup>1</sup> The scores are provided for information only.



Table 2.30 Data flow analysis for Romania




























Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		Partial time series (2008-2009) delivered on time in CDR. LRTAP/EMEP emission inventory status report available.
AE1b: NEC data		2008-2009 information delivered on time to CDR. Requested format not used. No projection information not available. Inventory report not available.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1989-2009) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Short inventory report provided as several files.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009; PM <sub>10</sub> plus some monitoring of smaller particulates. Data provided for three of 4 <sup>th</sup> Daughter Directive pollutants. Some historical data provided. Response to feedback report on this delivery is available.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 21 zones and agglomerations listed in Form 2. Information provided for 4 <sup>th</sup> 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 but no geospatial information available in CDR.
AQ2b: Monthly and summer ozone data		All monthly reports provided on time in CDR. Summer report delivered on time but included in same envelope as September monthly report so it cannot be found by the search routines. Requested metadata provided for stations.
CDDA1: Designated areas		Delivery on time: 998 sites provided. 100% of records have designation and IUCN category, size and coordinates. Boundary data provided for 85% of sites.
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN3: Groundwater quality		Data delivered on time and in the requested format. 4 of 5 requested chemical substances data provided but all in aggregated form. List of GW bodies with most important attributes data provided. GIS data missing.
ME1: Marine data		Timely delivery of data and at least 3 types of data submitted including those that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).

Table 2.30 Data flow analysis for Romania (continued)

Data flow name	Progress 2010-2011	Remark
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery on time to CDR. Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>		Data delivered on time. Reported: only 15 regional parameters, all only at country level and all only on annual scale. Not reported: timeseries for streamflow stations, GW levels and reservoirs.
NRTO3: Near real-time ozone data <sup>1</sup>		Satisfactory spatial coverage and reliable data provision (60%) during the ozone season.
WISE1: Water emission quality <sup>1</sup>		Data delivered on time. Nutrients and organic matter emission discharges provided for 0 determinands from diffuse sources and 7 determinands from point sources that are split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 7 determinands from point sources that are not split for E-PRTR facilities and non E-PRTR facilities. 2 determinands from diffuse sources reported in past years.

<sup>1</sup> The scores are provided for information only.

Table 2.31 Data flow analysis for Serbia

Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		Partial time series (2009) delivered on time in CDR. LRTAP/EMEP emission inventory status report not available.
AE1b: NEC data	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data		No information available in CDR at 27 April 2011.
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> or black smoke (BS). Response to feedback report on this delivery is available.
AQ2: Air quality questionnaire	N/A	Participation in the 2010 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data		All monthly reports for 2010 provided on time in CDR. Summer report delivered on time. Requested metadata provided for station.
CDDA1: Designated areas		Delivery on time: 241 sites reported. All sites have designations and IUCN categories. 240 of the sites have information on size (more than 99%). 121 sites have information on coordinates (50%). No site boundaries available yet.
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances. Not reported: proxy pressure data for all monitoring stations, preferred SoE hazardous substances.
EWN3: Groundwater quality		Data delivered on time and in the requested format. 3 of 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. List of GW bodies with most important attributes data provided. GIS data missing.
ME1: Marine data	N/A	Country does not have a coastline.
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery on time to CDR. Data in specified XML format. Completeness report available.
EWN4: Water quantity <sup>1</sup>		Data delivered on time. Reported: 91 streamflow stations only on country level, 100% on daily scale. Not reported: timeseries for regional parameters, GW levels and reservoirs.
NRTO3: Near real-time ozone data <sup>1</sup>	N/A	Country did not participate in this data flow.
WISE1: Water emission quality <sup>1</sup>		No data delivery under WISE-SoE data collection 2010.

<sup>1</sup> The scores are provided for information only.

Table 2.32 Data flow analysis for Slovakia
















Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. Emission inventory report provided. Images of gridded emissions available.
AE1b: NEC data		2000-2009 information plus projections (2010, 2015, 2020, 2030, 2050) delivered to CDR on time. Requested format not used. Inventory report provided.
AE2: UNFCCC data		Delivery to UNFCCC on time. Files are later version than delivered for the EU monitoring mechanism. CRF XML format not available. No data or referral in CDR at 27 April 2011.
AE2b: EU GHG data		Full time series (1990-2009) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Inventory report provided.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report on this delivery provided but not in central data repository (CDR).
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 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. Information provided for 4 <sup>th</sup> 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 2010 provided on time in CDR. 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 20 April 2011.
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressures data for all of them, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressure data for all of them, only 3 preferred SoE nutrients. Not reported: long time series for all preferred SoE nutrients, hazardous substances.
EWN3: Groundwater quality		Data delivered on time 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.
ME1: Marine data	N/A	Country does not have a coastline.

Table 2.32 Data flow analysis for Slovakia (continued)

Data flow name	Progress 2010-2011	Remark
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery late to CDR (7 April 2011). Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>		Data delivered on time. Reported: 14 regional parameters at SU level at total (11 per SU on average) for all (6) SU, average 61% on monthly scale; 21 streamflow stations but only at country level, 100% on monthly scale; 21 GW levels but only at country level; 100% on monthly scale; total 4 reservoirs for only 2 SU; 100% on monthly scale.
NRTO3: Near real-time ozone data <sup>1</sup>		Data provided during the ozone season with 42% reliability.
WISE1: Water emission quality <sup>1</sup>		Data delivered on time. Nutrients and organic matter emission discharges provided for 0 determinands from diffuse sources and 4 determinands from point sources that are not split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 22 determinands from point sources that are not split for E-PRTR facilities and non E-PRTR facilities.

<sup>1</sup> The scores are provided for information only.

Table 2.33 Data flow analysis for Slovenia

















Data flow name	Progress 2010-2011	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 available.
AE1b: NEC data		2008-2009 information plus projections (2010, 2015, 2020) delivered on time to CDR. Requested format used. Inventory report provided later.
AE2: UNFCCC data		Complete time series available in CDR (19 April 2011). National inventory report provided. CRF XML format provided but in zip file.
AE2b: EU GHG data		Full time series (1986-2009) 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 2009. 50% active stations monitoring PM <sub>10</sub> . Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report on this delivery is available.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 12 zones and agglomerations listed in Form 2. Information provided for 4 <sup>th</sup> 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 provided that boundary information has not changed from previous year.
AQ2b: Monthly and summer ozone data		All monthly reports for 2010 provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		Delivery on time: 1958 sites reported (more than 500 additional). All sites have designations and IUCN categories. 1956 (more than 99%) have information on size and coordinates. Boundary data has been provided for 1944 sites (more than 99%).
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations, only 4 preferred SoE nutrients, long timeseries for all of them, hazardous substances including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN3: Groundwater quality		Data delivered on time and in the requested format. 4 of 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		Timely delivery of data and at least 1 item that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).

Table 2.33 Data flow analysis for Slovenia (continued)

Data flow name	Progress 2010-2011	Remark
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery on time to CDR. Data in specified XML format. Completeness report provided.
EWN4: Water quantity <sup>1</sup>		Data delivered on time. Reported: 61 regional parameters, but most of them only at country level and on annual scale; total only 6 streamflow stations for all 2 RBDs, 100% on daily scale; total only 6 GW levels at RBD level; 100% on monthly scale. Not reported: timeseries for reservoirs.
NRTO3: Near real-time ozone data <sup>1</sup>		Satisfactory spatial coverage of active stations and highly reliable data provision (83%) during the ozone season.
WISE1: Water emission quality <sup>1</sup>		Data delivered on time. Nutrients and organic matter emission discharges provided for 0 determinands from diffuse sources and 8 determinands from point sources that are not split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 18 determinands from point sources that are not split for E-PRTR facilities and non E-PRTR facilities.

<sup>1</sup> The scores are provided for information only.

Table 2.34 Data flow analysis for Spain

Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report available.
AE1b: NEC data		Full time series from 1990 delivered on time to CDR. No projections available. Requested reporting format used. Inventory report provided.
AE2: UNFCCC data		Complete time series available in CDR (18 April 2011). National inventory report and CRF XML format available.
AE2b: EU GHG data		Full time series (1990-2009) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Short inventory report provided later.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report on this delivery is available.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 153 zones and agglomerations listed in Form 2. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has changed from the previous year. Information on GIS boundaries for all zones and agglomerations listed in Form 2 provided in CDR.
AQ2b: Monthly and summer ozone data		All monthly reports for 2010 provided on time in CDR. 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 20 April 2011.
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressures data for all of them, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressure data for all of them, all preferred SoE nutrients. Not reported: long time series for all preferred SoE nutrients, hazardous substances.
EWN3: Groundwater quality		Data delivered on time and in the requested format. 4 of 5 requested chemical substances data provided but all 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.
ME1: Marine data		Timely delivery of data and at least 3 types of data submitted including those that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery late to CDR (14 April 2011). Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>		Data delivered on time. Reported: 76 streamflow stations and 51 reservoir inflow/outflow for 100% of RBDs on a monthly and annual scale. Not reported: timeseries for regional parameters and GW level.
NRT03: Near real-time ozone data <sup>1</sup>		Satisfactory spatial coverage of active stations and reliable data provision (75%) during the ozone season.
WISE1: Water emission quality <sup>1</sup>		No data delivery under WISE-SoE data collection 2010.

<sup>1</sup> The scores are provided for information only.



Table 2.35 Data flow analysis for Sweden

















Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report available. Informative inventory report also provided.
AE1b: NEC data		1990-2009 information plus projections (2010, 2015, 2020, 2025 and 2030) delivered on time to CDR. Requested format not used for data from 2003 and 2004. Inventory report available.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided but in zip file.
AE2b: EU GHG data		Full time series (1990-2009) delivered on time in CDR for all gases in the criteria. CRF XML format provided. National inventory report also provided by the deadline.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Data provided for three of the 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report on this delivery is available.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 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 <sup>th</sup> 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 provided that boundary information has changed from previous year.
AQ2b: Monthly and summer ozone data		All monthly reports for 2010 provided on time in CDR. Summer report delivered. Requested metadata provided.
CDDA1: Designated areas		Delivery on time: 12852 sites reported (more than 100 additional). All have information on designation, size, coordinates and IUCN category. 12650 sites have information on boundaries (more than 98%).
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressures data for all of them, all preferred SoE nutrients, hazardous substances data including preferred SoE substances. Not reported: long time series for all preferred SoE nutrients.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations and proxy pressures data for all of them, all preferred SoE nutrients and in long timeseries, hazardous substances including preferred SoE substances.
EWN3: Groundwater quality		Data delivered on time and in the requested format. 3 of 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		Timely delivery of data and at least 3 types of data submitted including those that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).

Table 2.35 Data flow analysis for Sweden (continued)

Data flow name	Progress 2010-2011	Remark
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery on time to CDR. Data in specified XML format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>		Data delivered on time. Reported: only 3 regional parameters at RBD level for 8 of 9 RBDs, average 67% on monthly scale; only 1 streamflow stations per RBD for 5 RBDs, 100% on monthly scale; 15 GW levels per RBD on average for only 5 RBDs; 100% on monthly scale. Not reported: timeseries for reservoirs.
NRTO3: Near real-time ozone data <sup>1</sup>		Highly reliable data provision (97%) during the ozone season but spatial coverage of active stations not yet sufficient.
WISE1: Water emission quality <sup>1</sup>		Data delivered on time. Nutrients and organic matter emission discharges provided for 0 determinands from diffuse sources and 5 determinands from point sources that are split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 6 determinands from diffuse sources and 42 determinands from point sources that are split for E-PRTR facilities and non E-PRTR facilities. 2 determinands from diffuse sources reported in past years.

<sup>1</sup> The scores are provided for information only.

Table 2.36 Data flow analysis for Switzerland
























Data flow name	Progress 2010-2011	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 available. Information on gridded emissions also provided.
AE1b: NEC data	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.
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> . Historical data provided. Data provided for one of the 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report on this delivery is available in CDR.
AQ2: Air quality questionnaire	N/A	Participation in the 2010 data flow is voluntary for countries which are not EU Member States. Questionnaire relating only to ozone delivered on time in CDR. Four zones and agglomerations are defined in Form 2. EoI codes and station types provided in Form 4 for stations used in the assessment. No information in Form 9 on whether 2009 ozone levels exceeded or did not exceed the values specified in the air quality legislation for the zones and agglomerations listed in Form 2. Declaration that zone boundaries have changed from previous year. Only images provided as boundary information.
AQ2b: Monthly and summer ozone data		All monthly reports for 2010 provided on time in CDR. Summer report delivered on time. Requested metadata provided but again this year the template from Data Dictionary, which enables automatic quality checking not used for summer report.
CDDA1: Designated areas		Delivery on time: 6272 sites reported (3000 additional). All sites have a designation, IUCN category and size. Boundary data provided for 6159 sites (more than 98%). Coordinates provided or centralized calculation requested for 6252 sites (more than 99%).
EWN1: River quality		Data delivered on time, in the requested format. Reported: monitoring stations and proxy pressures data for all of them, only 3 preferred SoE nutrients, long timeseries for all of them, hazardous substances data including preferred SoE substances.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: monitoring stations, only 4 preferred SoE nutrients, long timeseries for all of them, hazardous substances. Not reported: proxy pressure data for all monitoring stations, preferred SoE hazardous substances.
EWN3: Groundwater quality		Data delivered on time 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.
ME1: Marine data	N/A	Country does not have a coastline.

Table 2.36 Data flow analysis for Switzerland (continued)

Data flow name	Progress 2010-2011	Remark
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery on time to CDR. Data in specified XML format. Completeness report provided.
EWN4: Water quantity <sup>1</sup>		Data delivered on time. Reported: 74 regional parameters, but most of them only at country level and on annual scale; only 2 streamflow stations per SU (for 11 of 13) and RBD (for 2 of 5) on average, 100% on daily scale; only 2 GW levels per SU (for 8 SU) and RBD (for 2 RBDs) but only at country level; 80% on monthly scale; only 1 at country level; 100% on annual scale.
NRT03: Near real-time ozone data <sup>1</sup>		Satisfactory spatial coverage of active stations and highly reliable data provision (86%) during the ozone season.
WISE1: Water emission quality <sup>1</sup>		Data delivered on time. Nutrients and organic matter emission discharges provided for 6 determinands from diffuse sources and 3 determinands from point sources that are split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 10 determinands from diffuse sources and 21 determinands from point sources that are split for E-PRTR facilities and non E-PRTR facilities. 5 determinands from diffuse sources reported in past years.

<sup>1</sup> The scores are provided for information only.

Table 2.37 Data flow analysis for Turkey

Data flow name	Progress 2010-2011	Remark
AE1: LRTAP data		Partial time series (2008) for three of the requested pollutants (NO <sub>x</sub> , NMVOC, SO <sub>x</sub> ) plus CO delivered on time in CDR. LRTAP/EMEP emission inventory status report not available.
AE1b: NEC data	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data		Complete time series delivered on time to UNFCCC and then uploaded to CDR. CRF XML format not yet available. National inventory report provided.
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		Data delivered with slight delay (5 October 2010). Data on particulate matter available for 2009. More than 50% active stations monitoring PM <sub>10</sub> . Response to feedback report on this delivery is available in CDR.
AQ2: Air quality questionnaire	N/A	Participation in the 2010 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data		All monthly reports for 2010 provided in CDR but information for April (2 June) and June (27 August) was delayed. Summer report provided with delay (3 December 2010).
CDDA1: Designated areas		Provisional evaluation pending clarification on boundary data with ETC BD. Delivery on time in CDR.
EWN1: River quality		Data delivered on time and in the requested format. Reported: monitoring stations, only 3 preferred SoE nutrients, long timeseries for all of them. Not reported: proxy pressures data for all monitoring stations, hazardous substances data.
EWN2: Lake quality		Data delivered on time and in the requested format. Reported: only 3 preferred SoE nutrients. Not reported: coordinates and proxy pressures data for all monitoring stations, long time series for all preferred SoE nutrients, hazardous substances.
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.
ME1: Marine data		Timely delivery of data and at least 1 item that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>	N/A	Country did not participate in this data flow.
EWN4: Water quantity <sup>1</sup>	N/A	Turkey is currently joining the WISE SoE Water Quantity reporting and has in July delivered some data for 2005-6. Since they are in the phase of integration they will be evaluated later on.
NRTO3: Near real-time ozone data <sup>1</sup>		Highly reliable data provision (89%) during the ozone season but only three reporting stations so spatial coverage is not yet sufficient.
WISE1: Water emission quality <sup>1</sup>		No data delivery under WISE-SoE data collection 2010.

<sup>1</sup> The scores are provided for information only.

Table 2.38 Data flow analysis for the United Kingdom
















Data flow name	Progress 2010-2011	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 available.
AE1b: NEC data		2005 -2009 information plus projections (2010) delivered to CDR on time. Requested format used partially (Table 1 not in correct format). No inventory report provided.
AE2: UNFCCC data		Complete time series on time in CDR. Geographical coverage is UK plus crown dependencies and relevant overseas territories. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2009) 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 2009. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Data provided for 4 <sup>th</sup> Daughter Directive pollutants. Response to feedback report on this delivery has been provided but still in draft format.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2009 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 <sup>th</sup> 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.
AQ2b: Monthly and summer ozone data		All monthly reports for 2010 provided on time in CDR. Summer report delivered on time. EoI codes or requested metadata provided for all stations.
CDDA1: Designated areas		Delivery 16 March 2011. 8852 sites reported (approximately 50 additional). All have information on designation, IUCN category and size. More than 99% of the sites have coordinates. Boundary data provided for 12650 sites (more than 99%).
EWN1: River quality		Data delivered with slight delay (4 Nov) and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN2: Lake quality		Data delivered on time or with slight delay (4 Nov.) and in the requested format. Reported: monitoring stations, all preferred SoE nutrients and in long timeseries, hazardous substances data including preferred SoE substances. Not reported: proxy pressure data for all monitoring stations.
EWN3: Groundwater quality		Data delivered on time for Scotland and N. Ireland, with delay (25 Nov) for England and Wales. Data 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 missing. Very large 2010 dataset, data from 2000-2008 redelivered.
ME1: Marine data		Timely delivery of data and at least 3 types of data submitted including those that supports marine CSI (hazardous substances in biota and nutrients/chlorophyll in seawater).

Table 2.38 Data flow analysis for the United Kingdom (continued)

Data flow name	Progress 2010-2011	Remark
E-PRTR1: European Pollutant Transfer Register <sup>1</sup>		Data delivery late to CDR (13 April 2011). Data in specified xml format. Completeness report not provided.
EWN4: Water quantity <sup>1</sup>	N/A	Country did not participate in this data flow.
NRTO3: Near real- time ozone data <sup>1</sup>		Satisfactory spatial coverage of active stations and highly reliable data provision (93%) during the ozone season.
WISE1: Water emission quality <sup>1</sup>		No data delivery under WISE-SoE data collection 2010.

<sup>1</sup> The scores are provided for information only.



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