

# Eionet priority data flows

May 2008–April 2009

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



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## Foreword by the Executive Director



I would like to present the twelfth progress report on Eionet priority data flows. The purpose of the priority data flows report is to show progress against agreed, stable, well-defined objectives in order to allow countries to identify and confirm the resources they need for regular reporting procedures.

The progress report aims to encourage countries towards better performance through competition amicale concentrating on achievements rather than failures.

Progress has again been assessed in twelve priority areas, following last year's omission of three water data flows. The substantially revised reporting processes for rivers, lakes and groundwater are now operational. Information has also been provided for reporting to EEA on near real-time ozone.

All 32 member countries of the EEA and the six cooperating West Balkan countries 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 the EEA/Eionet collaboration.

This year my congratulations for achieving joint first place and scores of 100 %, go to three countries: Austria, Sweden and Switzerland. Latvia is in second place with a score of 98 %. The overall trend continues to be encouraging. Several countries have increased their resources for reporting or come to agreements with EEA to derive required information from reported spatial data and this is reflected in their improved results. Compared to previous years, Luxembourg, Belgium and Turkey have made most progress, followed by Portugal and Serbia. More than 50 % of countries have achieved scores of 80 % or above. The average score has risen to 77 %.

Eionet is demonstrating that it is well prepared to play a key role in the implementation of the Shared Environmental Information System (SEIS) with current reporting systems being rapidly modernised towards a network of decentralised systems providing online access to data, managed as close to source as possible while preserving measures to ensure quality.

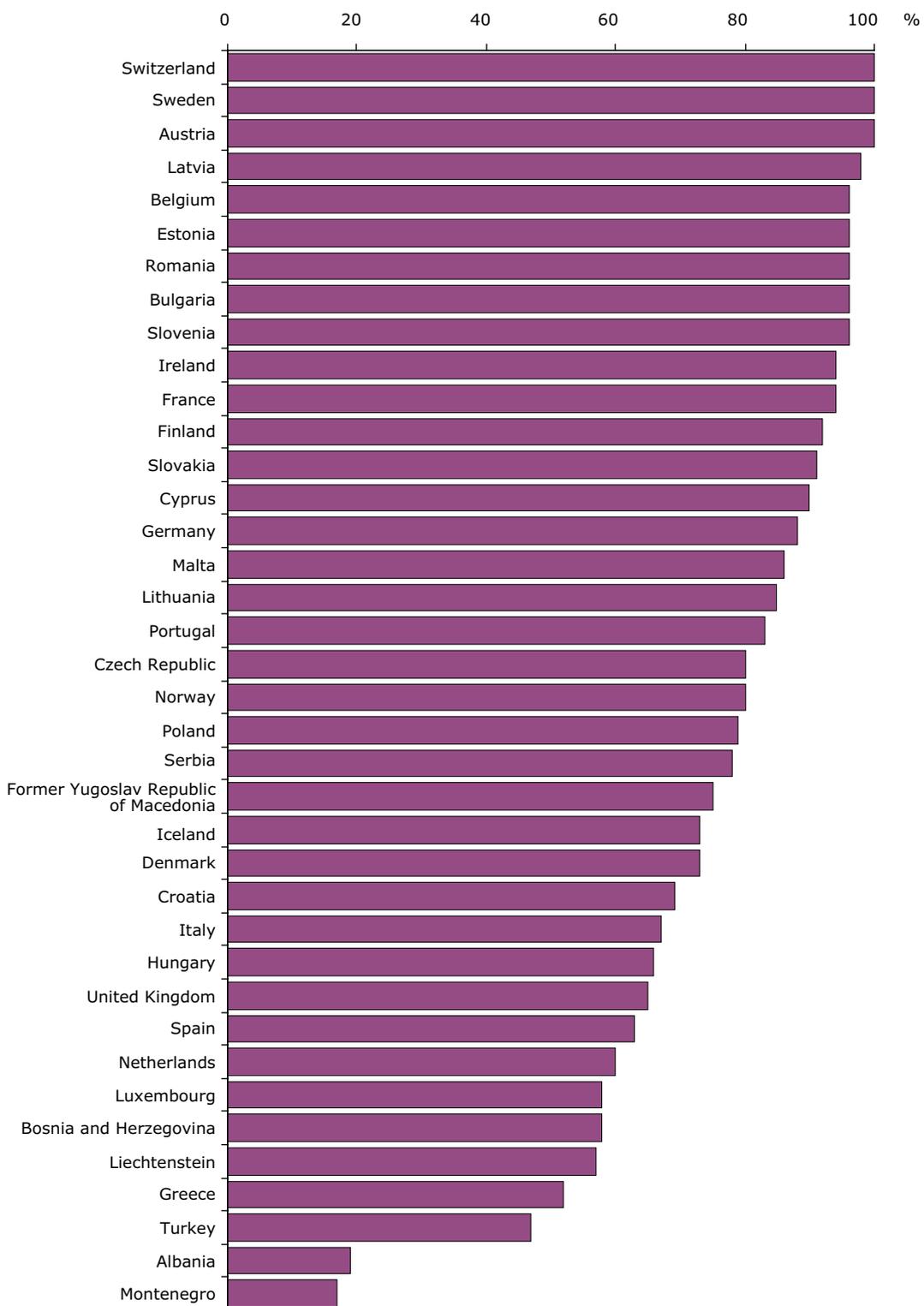
However, there are still seven countries that failed to achieve a score of 60 % and three of these are below 50 % so the network cannot be complacent. Countries that are having difficulties with specific data flows are encouraged to discuss their problems with the EEA. Provision of high-quality data by Eionet is fundamental for the EEA to achieve its mission to provide timely, targeted, relevant and reliable information to policy-making agents and the public.

Use of Reportnet tools to facilitate data flows has continued to increase during the past year as the European Commission's DG Environment channels more data collection through Reportnet Services. The number of data collections with online public quality feedback reports for each delivery is also growing. The EEA will continue to work with national focal points to improve and integrate the Reportnet tools further into all priority data flow activities at a national level as well as for local and regional purposes.

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 the public and government uses alike.

*Jacqueline McGlade*  
Executive Director

**Figure 1 Overall performance of countries (May 2008–April 2009)**



**Table 1 Performance history**

Country	Score 2000	Score 2001	Score 2002	Score 2003	Score 2004	Score 2005	Score 2006	Score 2007	Score 2008	Trend compared to last year
Albania	0 %	0 %	0 %	17 %	22 %	30 %	45 %	21 %	19 %	- 2 →
Austria	81 %	81 %	97 %	95 %	98 %	98 %	100 %	100 %	100 %	0 →
Belgium	31 %	50 %	53 %	58 %	59 %	66 %	69 %	75 %	96 %	+ 21 ↑
Bosnia and Herzegovina	18 %	39 %	29 %	34 %	22 %	22 %	53 %	46 %	58 %	+ 12 ↗
Bulgaria	42 %	71 %	69 %	75 %	80 %	89 %	80 %	92 %	96 %	+ 4 →
Croatia	N/A	N/A	N/A	N/A	28 %	17 %	48 %	71 %	69 %	- 2 →
Cyprus	N/A	N/A	N/A	N/A	N/A	25 %	63 %	81 %	90 %	+ 9 ↗
Czech Republic	38 %	75 %	72 %	68 %	63 %	65 %	68 %	84 %	80 %	- 4 →
Denmark	81 %	86 %	83 %	85 %	82 %	69 %	63 %	78 %	73 %	- 5 →
Estonia	54 %	81 %	72 %	80 %	81 %	81 %	90 %	86 %	96 %	+ 10 ↗
Finland	61 %	72 %	68 %	79 %	85 %	75 %	73 %	78 %	92 %	+ 14 ↗
France	47 %	53 %	63 %	73 %	79 %	83 %	85 %	89 %	94 %	+ 5 →
Former Yugoslav Republic of Macedonia	29 %	42 %	54 %	50 %	50 %	69 %	78 %	75 %	75 %	0 →
Germany	69 %	64 %	83 %	81 %	67 %	75 %	92 %	78 %	88 %	+ 10 ↗
Greece	50 %	50 %	60 %	52 %	44 %	54 %	50 %	50 %	52 %	+ 2 →
Hungary	46 %	68 %	56 %	53 %	47 %	80 %	86 %	78 %	66 %	- 12 ↘
Iceland	28 %	14 %	36 %	30 %	14 %	56 %	30 %	64 %	73 %	+ 9 ↗
Ireland	67 %	61 %	68 %	71 %	65 %	73 %	73 %	81 %	94 %	+ 13 ↗
Italy	39 %	33 %	65 %	56 %	52 %	59 %	50 %	64 %	67 %	+ 3 →
Latvia	50 %	66 %	80 %	89 %	94 %	98 %	100 %	97 %	98 %	+ 1 →
Liechtenstein	19 %	9 %	61 %	53 %	43 %	64 %	54 %	60 %	57 %	- 3 →
Lithuania	36 %	50 %	47 %	73 %	73 %	83 %	94 %	94 %	85 %	- 9 ↘
Luxembourg	22 %	36 %	18 %	25 %	14 %	39 %	44 %	34 %	58 %	+ 24 ↑
Malta	N/A	N/A	N/A	78 %	56 %	63 %	68 %	69 %	86 %	+ 17 ↑
Montenegro	N/A	N/A	N/A	N/A	17 %	36 %	56 %	0 %	17 %	+ 17 ↑
Netherlands	58 %	67 %	70 %	69 %	64 %	77 %	79 %	81 %	60 %	- 21 ↓
Norway	64 %	64 %	81 %	75 %	69 %	65 %	78 %	93 %	80 %	- 13 ↘
Poland	36 %	53 %	72 %	65 %	50 %	58 %	77 %	69 %	79 %	+ 10 ↗
Portugal	39 %	33 %	35 %	50 %	20 %	27 %	42 %	64 %	83 %	+ 19 ↑
Romania	21 %	21 %	47 %	38 %	31 %	11 %	75 %	86 %	96 %	+ 10 ↗
Serbia	N/A	N/A	N/A	N/A	17 %	36 %	56 %	60 %	78 %	+ 18 ↑
Slovakia	25 %	43 %	63 %	72 %	84 %	85 %	95 %	97 %	91 %	- 6 ↘
Slovenia	50 %	66 %	78 %	88 %	92 %	75 %	96 %	94 %	96 %	+ 2 →
Spain	58 %	33 %	55 %	38 %	41 %	52 %	56 %	64 %	63 %	- 1 →
Sweden	47 %	89 %	90 %	90 %	94 %	94 %	96 %	97 %	100 %	+ 3 →
Switzerland	N/A	N/A	N/A	N/A	N/A	75 %	39 %	85 %	100 %	+ 15 ↗
Turkey	N/A	N/A	N/A	N/A	N/A	19 %	17 %	25 %	47 %	+ 22 ↑
United Kingdom	78 %	72 %	83 %	73 %	66 %	82 %	83 %	94 %	65 %	- 29 ↓
<b>Average</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>+ 4 →</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 8–20 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 period May 2008–April 2009. The reporting cycle began in May 2008 with the delivery of monthly ozone data and ended on 15 April 2009 with the delivery deadline for the UNFCCC data flow.

Data flow	Deadline
AQ-2: Air quality questionnaire	30 September 2008
AQ-1: EoI data	1 October 2008
AQ-2b: Monthly/summer ozone	31 October 2008 (*)
EWN-1: River quality	31 October 2008
EWN-2: Lake quality	31 October 2008
EWN-3: Groundwater quality	31 October 2008
ME-1: Marine data	31 October 2008
AE-1b: NEC data	31 December 2008
AE-2b: EU GHG data	15 January 2009
AE-1: LRTAP data	15 February 2009
CDDA-1: Designated areas	15 March 2009
AE-2: UNFCCC data	15 April 2009
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 2008.

## Evolution of priority data flow reporting

Progress reporting on Eionet priority data flows has a history of ten years. Since March 1999, 12 evaluation reports on progress with Eionet's priority data flows have been prepared for the EEA Management Board.

The data flow progress reporting began in 1999 with an initial geographical coverage of the original 18 member countries of EEA. The geographical coverage was extended in 2000 by including the 13 countries (Albania, Bosnia and Herzegovina, Bulgaria, Czech Republic, Estonia, 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).

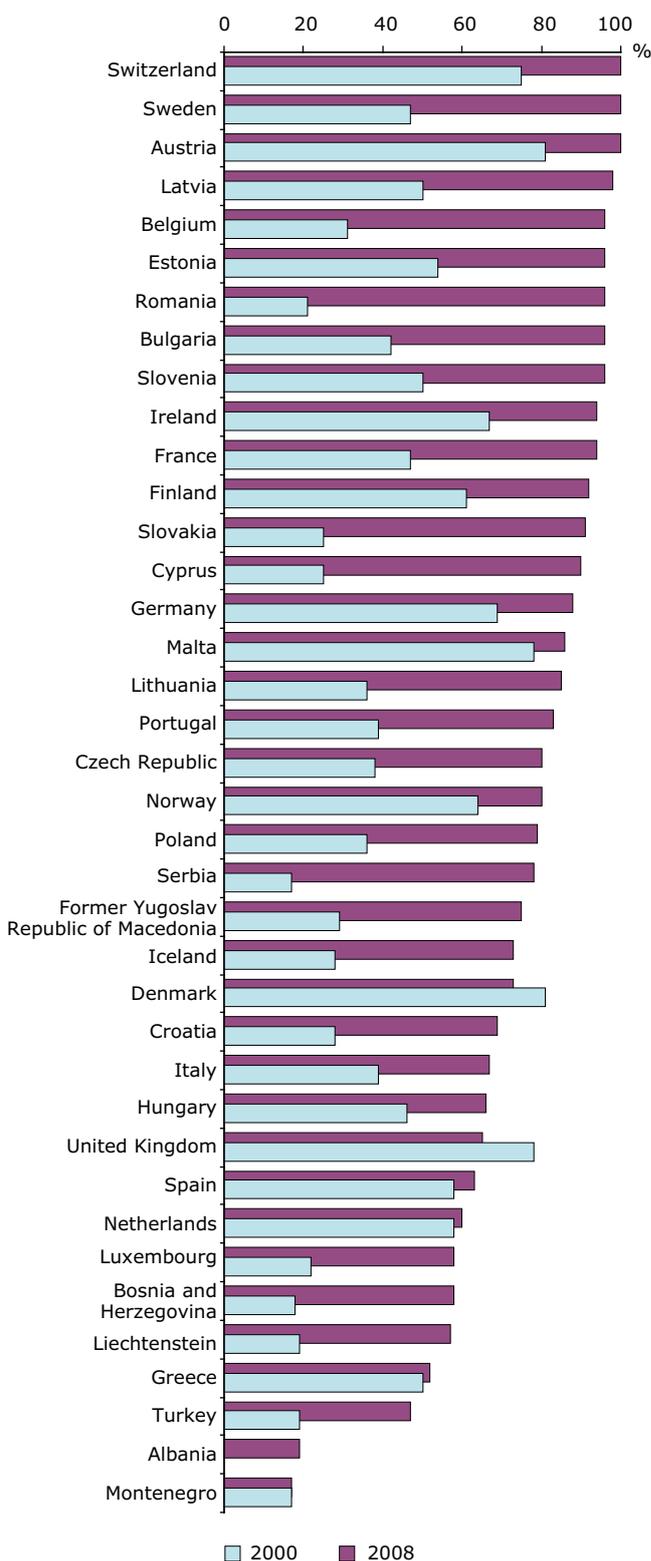
In 1998, Eionet discussions on data flows focused on those which were seen as the key reporting activities for the thematic areas of air emissions, air quality, fresh water, marine, designated areas and Corine land cover.

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.

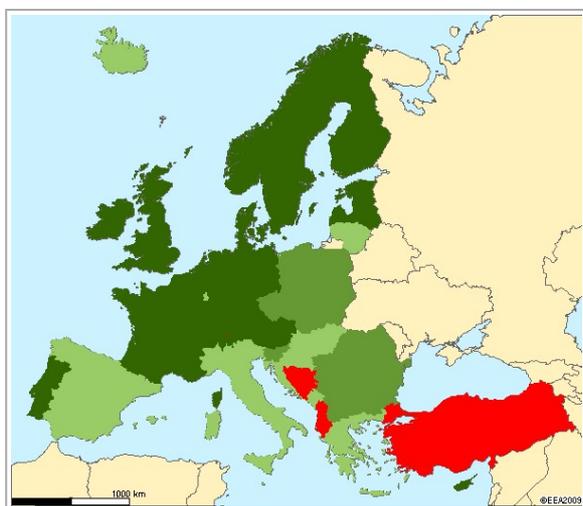
The principle for the evaluation of the priority data flows has remained constant. For data flows that require countries to deliver annual measurement data, a timely delivery in the appropriate format merits two smileys as these are the basics for efficient compilation of a European dataset. The third smiley is awarded as an indication of completeness of the delivery. The criterion varies according to the data flow but usually relates to the length of time series or the number of pollutants supplied. 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 for countries between the year 2000 (or first year of participation) and the current cycle. The comparison clearly shows that the significant improvement in the average score (from 45 % to 77 %, see Table 1) is evenly distributed across all participating countries.

**Figure 2 Comparison of performance evaluation, 2000 versus 2008**



## Overview for data flow AE1: LRTAP data



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

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- 8 countries with a score of 2 points: Bulgaria, Czech Republic, FYR of Macedonia, Poland, Romania, Serbia, Slovakia, Slovenia

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- 10 countries with a score of 1 point: Croatia, Greece, Hungary, Iceland, Italy, Lithuania, Luxembourg, Malta, Montenegro, Spain

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- 4 countries did not deliver data: Albania, Bosnia and Herzegovina, Liechtenstein, Turkey

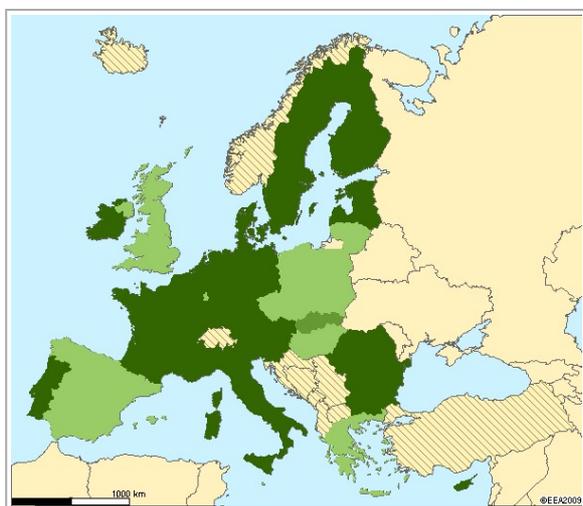
### Detailed criteria for scoring

#### Main changes in 2008: Addition of PM<sub>10</sub> to the list of requested pollutants.

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 1990-2007) and PM <sub>10</sub> (at least 2000-2007) by 15 February 2009.
	Data available on time (by 15 February 2009).
	Data delivered after 15 February 2009.
	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 indicators</a> on EEA website.</p>

## Overview for data flow AE1b: NEC data



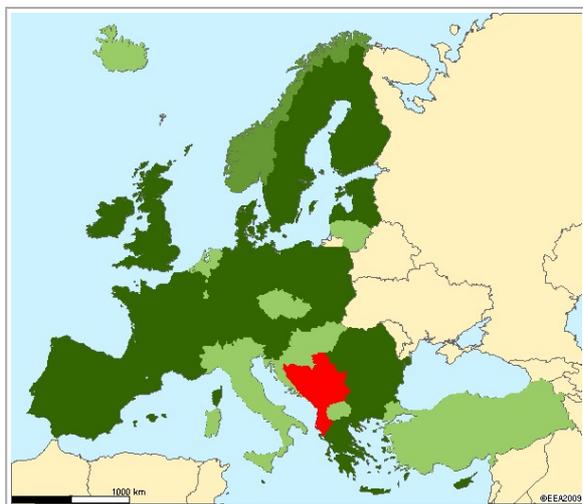
	17 countries with a score of 3 points: Austria, Belgium, Bulgaria, Cyprus, Denmark, Estonia, Finland, France, Germany, Ireland, Italy, Latvia, Netherlands, Portugal, Romania, Slovenia, Sweden
	1 country with a score of 2 points: Slovakia
	9 countries with a score of 1 point: Czech Republic, Greece, Hungary, Lithuania, Luxembourg, Malta, Poland, Spain, United Kingdom
	No country in this category.
	This data flow is not applicable (N/A) to 11 countries: Albania, Bosnia and Herzegovina, Croatia, FYR 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 2006 and 2007 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 2008 and in the format specified and without modifications to the reporting template.
	NEC data delivered in time (by 31 December 2008).
	NEC data delivered after 31 December 2008.
	No NEC data delivered.
European datasets	National Emission Ceilings Directive Inventory in <a href="#">EEA Data Service</a> Air pollutant emissions (NEC Directive) data viewer in <a href="#">EEA Data Service</a>
Related indicators	<p>EEA core set of indicators:</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 indicators</a> on EEA website.</p>

## Overview for data flow AE2: UNFCCC data



- 23 countries with a score of 3 points: Austria, Belgium, Bulgaria, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Ireland, Latvia, Liechtenstein, Malta, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom

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- 1 country with a score of 2 points: Norway

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- 10 countries with a score of 1 point: Croatia, Czech Republic, FYR of Macedonia, Hungary, Iceland, Italy, Lithuania, Luxembourg, Netherlands, Turkey

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

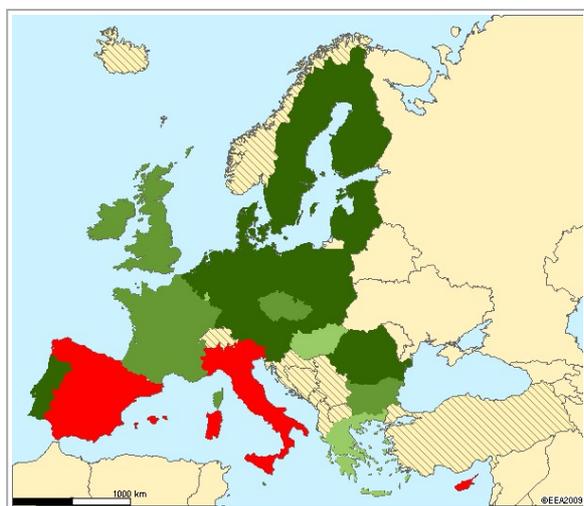
### Detailed criteria for scoring

#### Main changes in 2008: Data delivery required in XML format.

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 2007 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 2009.
	Data in XML format available on time (by 15 April 2009).
	Data delivered with delay (after 15 April 2009) 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>

## Overview for data flow AE2b: EU GHG data



	15 countries with a score of 3 points: Austria, Belgium, Denmark, Estonia, Finland, Germany, Latvia, Lithuania, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Sweden
	6 countries with a score of 2 points: Bulgaria, Czech Republic, France, Ireland, Malta, United Kingdom
	3 countries with a score of 1 point: Greece, Hungary, Luxembourg
	3 countries did not meet the minimum criteria: Cyprus, Italy, Spain
	This data flow is not applicable (N/A) to 11 countries: Albania, Bosnia and Herzegovina, Croatia, FYR of Macedonia, Iceland, Liechtenstein, Montenegro, Norway, Serbia, Switzerland, Turkey

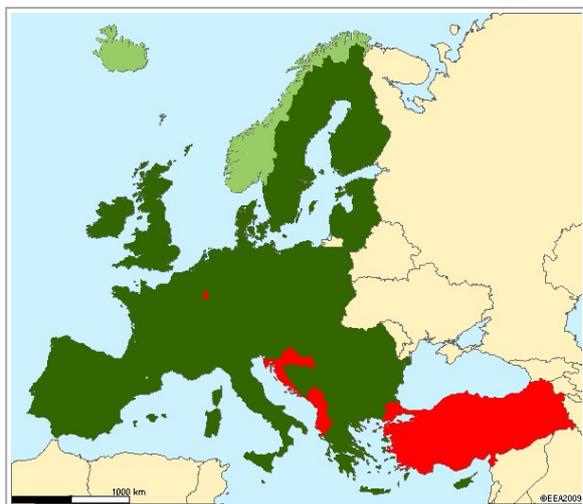
### Detailed criteria for scoring

#### Main changes in 2008: Data delivery required in XML format

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 2009) including all requested gases and in the specified XML format.
	GHG data delivered in time and in the specified XML format (by 15 January 2009).
	GHG data delivered with delay (15 - 31 January 2009) or not in the specified xml format.
	No GHG data delivered or significantly delayed (after 31 January 2009).
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> .

## Overview for data flow AQ1: EoI data



- 31 countries with a score of 3 points: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, FYR of Macedonia, Germany, Greece, Hungary, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Malta, Netherlands, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom

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- No country in this category.

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- 2 countries with a score of 1 point: Iceland, Norway

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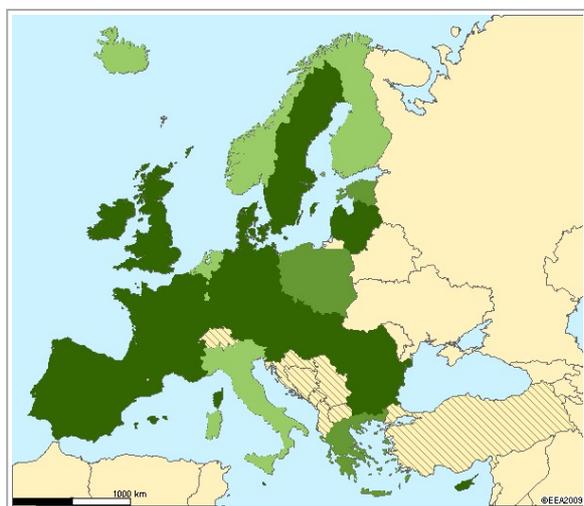
- 5 countries did not deliver data: Albania, Croatia, Luxembourg, Montenegro, Turkey

### 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.

	2007 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> ).
	2007 data delivered in time (not later than 14 October 2008).
	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><a href="#">EEA core set of indicators</a>:</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> <p>Other <a href="#">air quality indicators</a> on EEA website.</p>

## Overview for data flow AQ2: Air quality questionnaire



- 20 countries with a score of 3 points: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, France, Germany, Hungary, Ireland, Latvia, Lithuania, Malta, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, United Kingdom

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- 3 countries with a score of 2 points: Estonia, Greece, Poland

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- 6 countries with a score of 1 point: Finland, Iceland, Italy, Luxembourg, Netherlands, Norway

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- No country in this category.

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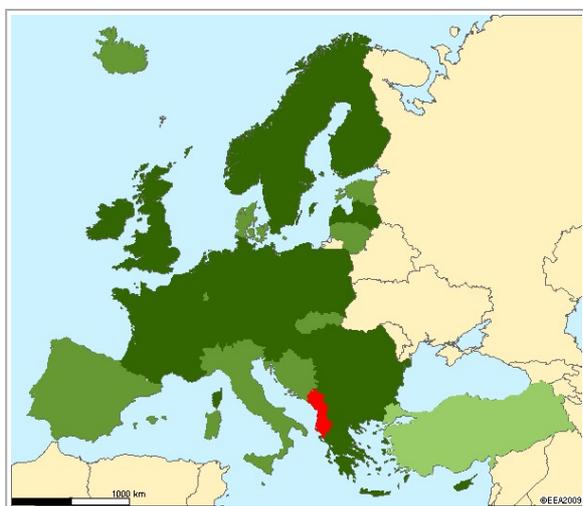
- The following 9 countries did not actively participate in this data flow: Albania, Bosnia and Herzegovina, Croatia, FYR of Macedonia, Liechtenstein, Montenegro, Serbia, Switzerland, Turkey

### 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 2008 data flow is voluntary for countries which are not EU Member States.

	Annual air quality in zones and agglomerations for 2007 for all required pollutants delivered in CDR using the questionnaire by 30 September 2008 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 2007 for all required pollutants delivered in CDR using the questionnaire by 30 September 2008 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>

## Overview for data flow AQ2b: Monthly and summer ozone data



- 23 countries with a score of 3 points: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Finland, France, FYR of Macedonia, Germany, Greece, Hungary, Ireland, Latvia, Liechtenstein, Netherlands, Norway, Poland, Romania, Serbia, Slovenia, Sweden, Switzerland, United Kingdom

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- 12 countries with a score of 2 points: Bosnia and Herzegovina, Croatia, Denmark, Estonia, Iceland, Italy, Lithuania, Luxembourg, Malta, Portugal, Slovakia, Spain

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- 1 country with a score of 1 point: Turkey

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- 2 countries did not deliver data: Albania, Montenegro

### 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 2008 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 2008 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.

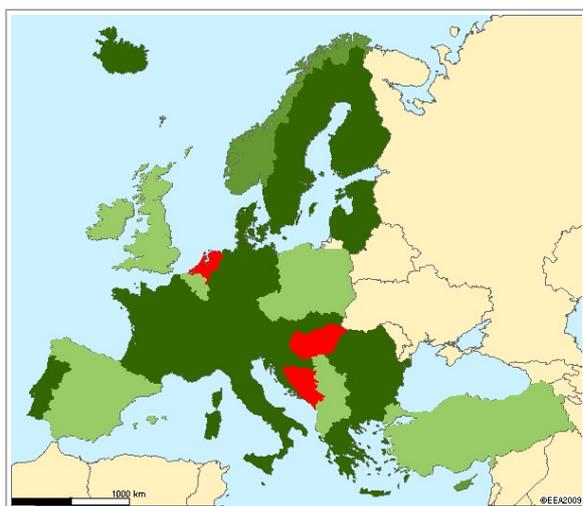


No 2008 data delivered.

European datasets [Ozone exceedances](#)

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

## Overview for data flow CDDA1: Designated areas



- 21 countries with a score of 3 points: Austria, Bulgaria, Croatia, Denmark, Estonia, Finland, France, Germany, Greece, Iceland, Italy, Latvia, Liechtenstein, Lithuania, Malta, Portugal, Romania, Slovakia, Slovenia, Sweden, Switzerland

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- 2 countries with a score of 2 points: Cyprus, Norway

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- 11 countries with a score of 1 point: Albania, Belgium, Czech Republic, FYR of Macedonia, Ireland, Luxembourg, Poland, Serbia, Spain, Turkey, United Kingdom

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- 4 countries did not meet the minimum criteria: Bosnia and Herzegovina, Hungary, Montenegro, Netherlands

### Detailed criteria for scoring

Scoring criteria for the CDDA are unchanged in 2009. 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 2009 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 2009 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.

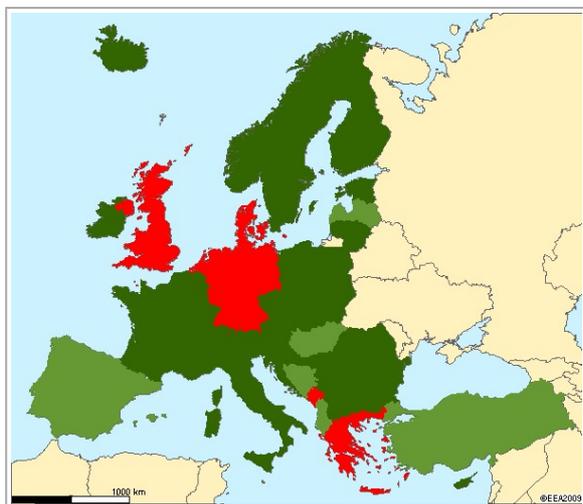
European datasets Nationally designated areas data published through [EEA data service](#).

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>.

## Overview for data flow EWN1: River quality



- 23 countries with a score of 3 points: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, Finland, France, FYR of Macedonia, Iceland, Ireland, Italy, Lithuania, Luxembourg, Norway, Poland, Romania, Serbia, Slovakia, Slovenia, Sweden, Switzerland

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- 7 countries with a score of 2 points: Albania, Bosnia and Herzegovina, Hungary, Latvia, Portugal, Spain, Turkey

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- No country in this category.

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- 7 countries did not deliver data: Denmark, Germany, Greece, Liechtenstein, Montenegro, Netherlands, United Kingdom

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- 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 the provision of long time series of quality data for a variety of determinands. A further criterion is the identification of river stations according to the criteria in the [Technical Guidelines for Eurowaternet Implementation](#). Important for achieving the maximum score are the provision of hazardous substances data and the response of a country to data validation questions.



Additionally:  
 1. More than 75 % of sites identified and described, or  
 2. Delivery of hazardous substances data



1. Timely data delivery 2008 to national repository, and  
 2. Data delivered in the requested format, or longer time series for ammonium, nitrate and total P available.



Delayed data delivery under WISE-SoE data collection 2008  
 Or: timely delivery, but delivered data are not fulfilling basic quality criteria.



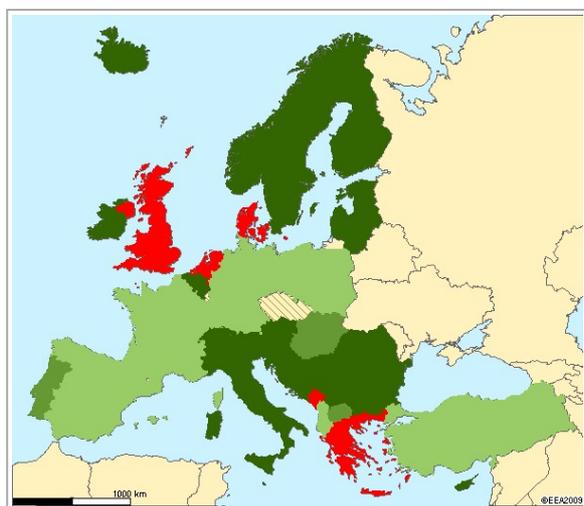
No data delivery under WISE-SoE data collection 2008, no communication.

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

EEA core set of indicators:

- Related indicators
- CSI 019 Oxygen consuming substances in rivers
  - CSI 020 Nutrients in freshwater
- Other [water indicators](#) on EEA website.

## Overview for data flow EWN2: Lake quality



- 20 countries with a score of 3 points: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Estonia, Finland, Iceland, Ireland, Italy, Latvia, Lithuania, Malta, Norway, Romania, Serbia, Slovenia, Sweden, Switzerland

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- 4 countries with a score of 2 points: FYR of Macedonia, Hungary, Portugal, Slovakia

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- 6 countries with a score of 1 point: Albania, France, Germany, Poland, Spain, Turkey

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- 5 countries did not deliver data: Denmark, Greece, Montenegro, Netherlands, United Kingdom

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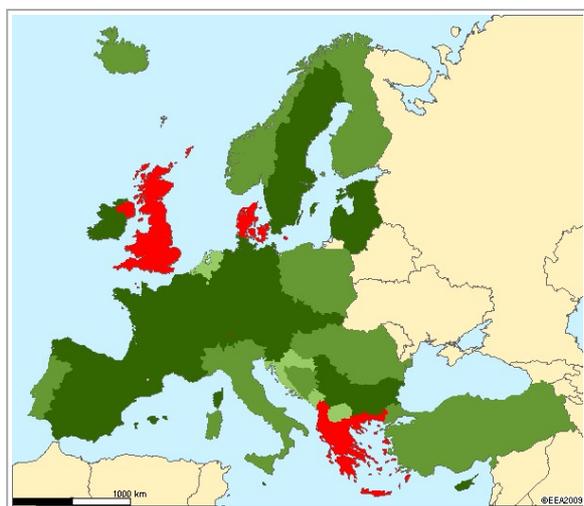
- This data flow is not applicable (N/A) to 3 countries: Czech Republic, Liechtenstein, Luxembourg

### Detailed criteria for scoring

Scoring criteria are based on data deliveries for the current year and the provision of long time series of quality data for a variety of determinands. A further criterion is the identification of lake stations according to the criteria in the [Technical Guidelines for Eurowaternet Implementation](#). Important for achieving the maximum score are the provision of hazardous substances data and the response of a country to data validation questions.

	<p>Additionally:</p> <ol style="list-style-type: none"> <li>1. More than 75 % of sites identified and described, or</li> <li>2. Delivery of hazardous substances data.</li> </ol>
	<ol style="list-style-type: none"> <li>1. Timely data delivery 2008 to national repository, and</li> <li>2. Data delivered in the requested format, or longer time series for ammonium, nitrate and total phosphorus.</li> </ol>
	<p>Delayed data delivery under WISE-SoE data collection 2008 Or: timely delivery, but delivered data are not fulfilling basic quality criteria.</p>
	<p>No data delivery under WISE-SoE data collection 2008, no communication.</p>
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.

## Overview for data flow EWN3: Groundwater quality



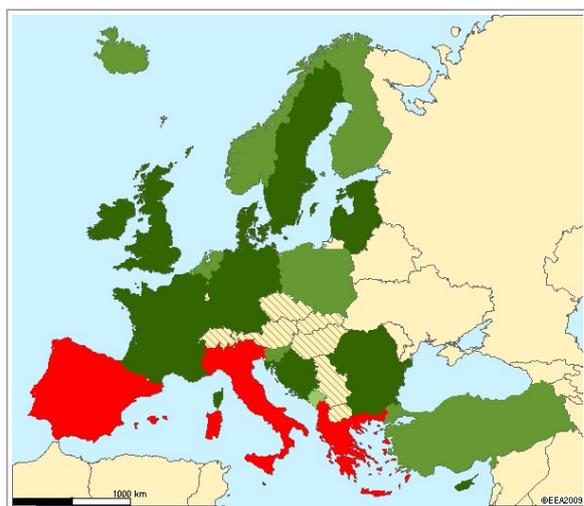
	19 countries with a score of 3 points: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Estonia, France, Germany, Ireland, Latvia, Lithuania, Luxembourg, Malta, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland
	10 countries with a score of 2 points: Bosnia and Herzegovina, Finland, Hungary,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

### 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 pesticides and hazardous substances data or provision of GIS or saltwater intrusion data.

	<p>Timely data delivery to national repository and country responsiveness for eventual errors in data, and additionally:</p> <p>1a. Quality data for at least three of five chemical substances: Ammonium, Nitrates, Nitrites, Dissolved Oxygen and pesticides</p> <p>1b. 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, or</p> <p>2a. Quality data for at least four of five chemical substances: Ammonium, Nitrates, Nitrites, Dissolved Oxygen and pesticides</p> <p>2b. Monitoring stations with coordinates and their link to WFD Art.5 groundwater bodies (if not delivered in the past years)</p>
	<p>1. Timely data delivery to national repository and country responsiveness for eventual errors in data, and</p> <p>2. quality data for at least three of five chemical substances: Ammonium, Nitrates, Nitrites, Dissolved Oxygen and pesticides</p>
	<p>Delivery under WISE-SoE data collections 2008 contains:</p> <p>1. Quality data for at least one out of five chemical substances: Ammonium, Nitrates, Nitrites, Dissolved Oxygen and pesticides, or</p> <p>2. GIS polygon data of groundwater bodies, or</p> <p>3. Groundwater monitoring stations (sampling sites) with coordinates if not delivered previously.</p>
	<p>No data delivery under WISE-SoE data collection 2008, no communication, or delivered data are not fulfilling basic quality criteria.</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>

## Overview for data flow ME1: Marine data



- 16 countries with a score of 3 points: Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Denmark, Estonia, France, Germany, Ireland, Latvia, Lithuania, Malta, Romania, Sweden, United Kingdom

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- 7 countries with a score of 2 points: Finland, Iceland, Netherlands, Norway, Poland, Slovenia, Turkey

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- 1 country with a score of 1 point: Montenegro

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- 5 countries did not deliver data: Albania, Greece, Italy, Portugal, Spain

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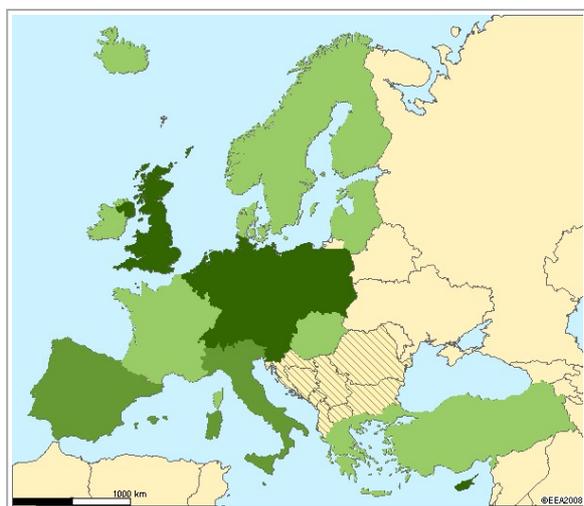
- This data flow is not applicable (N/A) to 9 countries: Austria, Czech Republic, FYR of Macedonia, Hungary, Liechtenstein, Luxembourg, Serbia, Slovakia, Switzerland

### 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.

	<p>Additionally, at least three items out of the following list have been provided:</p> <ul style="list-style-type: none"> <li>Hazardous substances in biota</li> <li>Hazardous substances in sediment</li> <li>Hazardous substances in seawater</li> <li>Nutrients in sea water</li> <li>Riverine inputs and pressure data</li> <li>Direct discharges</li> <li>Station characteristics</li> </ul>
	Timely data delivery under Eionet-Water or to Marine Conventions, and provision of data in the requested format.
	Delayed data delivery under Eionet-Water or to Marine Conventions in 2008.
	No data delivery under Eionet-Water or to Marine Conventions in 2008.
<p>European datasets <a href="#">Waterbase data</a> published through EEA data service</p>	
<p>EEA core set of indicators:</p>	
Related indicators	<ul style="list-style-type: none"> <li>CSI 021 Nutrients in transitional, coastal and marine waters</li> <li>CSI 023 Chlorophyll in transitional, coastal and marine waters</li> </ul> <p>Other <a href="#">coast and seas indicators</a> on EEA website.</p>

## Overview for data flow NRT03: Near real-time ozone data



- 11 countries with a score of 3 points: Austria, Belgium, Cyprus, Czech Republic, Germany, Liechtenstein, Netherlands, Poland, Slovenia, Switzerland, United Kingdom

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- 4 countries with a score of 2 points: Italy, Malta, Portugal, Spain

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- 15 countries with a score of 1 point: Denmark, Estonia, Finland, France, Greece, Hungary, Iceland, Ireland, Latvia, Lithuania, Luxembourg, Norway, Slovakia, Sweden, Turkey

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- No country in this category.

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- Countries which are not yet participating in this data flow: Albania, Bosnia and Herzegovina, Bulgaria, Croatia, FYR of Macedonia, Montenegro, Romania, 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.

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- 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.

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- 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.

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- Criteria not applied for this data flow.

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

#### Note:

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

Table 2.1 Detailed data flow analysis for Albania

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			No information available in CDR on 28 April 2009.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			No information in CDR by 6 May 2009.
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			No information received by 30 November 2008.
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2008 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			No delivery of monthly exceedance information or additional summer report on exceedances in 2008 by 20 December.
CDDA1: Designated areas			Delivery on time: 803 sites provided. All have information on site designation and IUCN category, about 64% have information on size and 31% have information on coordinates. No data on boundaries provided so far.
EWN1: River quality			Data delivered on time and very soon (3 July 2008). Data in in different format then requested (old template used). Long time series available. Hazardous substances data not delivered. All requested stations identified.
EWN2: Lake quality			Data delivered on time and very soon (17 July 2008). Data in in slightly different format then requested (old template used). Only short time series available (2005-2006). Hazardous substances data not delivered. Less than 75% of requested stations identified.
EWN3: Groundwater quality			No data delivery under WISE-SoE data collection 2008.
ME1: Marine data			No data delivery under WISE-SoE data collection 2008.
NRTO3: Near real-time ozone data <sup>1</sup>	N/A	N/A	Country did not participate in this data flow.

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

Table 2.2 Detailed data flow analysis for Austria

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Delivery on time in CDR. Complete time series (1980-2007) provided for criteria pollutants.
AE1b: NEC data			Full time series from 1990 for all pollutants delivered on time in CDR. Requested format used and automated checks could be made. 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.
AE2b: EU GHG data			Full time series (1990-2007) 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 2007. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. 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 2007 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. 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 provided on time to CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 1227 sites reported (131 new records). 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. Long time series available. Hazardous substances data delivered. All requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Only some long time series available (Total Phosphorus). Hazardous substances data not delivered. More than 75% of requested stations identified.
EWN3: Groundwater quality			Data delivered on time. Data for all five requested chemical substances provided. GIS data for GW bodies provided. Station data with coordinates and link to WFD GW bodies provided.
ME1: Marine data	N/A	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data <sup>1</sup>			Satisfactory spatial coverage of active stations and highly reliable data provision (92%) during the ozone season.

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

Table 2.3 Detailed data flow analysis for Belgium

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Delivery on time in CDR. Required time series (1990-2007) provided for criteria pollutants.
AE1b: NEC data			Full time series from 1990 for all pollutants provided on time in CDR.
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 (1989-2007) 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 2007. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. 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 2007 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 18 zones and agglomerations listed in Form 2. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Information on GIS boundaries for all zones and agglomerations provided as coordinates.
AQ2b: Monthly and summer ozone data			All monthly reports provided on time to CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Data delivered on time: 1991 sites provided (479 new) All sites have information on site designation and size. More than 90% now have IUCN category. Boundaries have been reported for 882 sites (44%) but only 5% sites have coordinates. Request for coordinates to be calculated centrally for sites where possible.
EWN1: River quality			Data delivered on time and in the requested format. Long time series available. Hazardous substances data delivered. All requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Only very short time series available (2005-2007). Hazardous substances data delivered. Less than 75% of requested stations identified.
EWN3: Groundwater quality			Data from the Flemish region delivered on time, for Walloon region with one month delay. Data for all five requested chemical substances provided. GIS data for GW bodies provided. Station data with coordinates and link to WFD GW bodies provided.
ME1: Marine data			Data delivered on time and in the requested format. Data provided on: hazardous substances in biota, sediment and seawater, nutrients in seawater, pressures and station characteristics.
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. Some apparent inconsistencies in data time-stamp which need attention.

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

Table 2.4 Detailed data flow analysis for Bosnia and Herzegovina

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			No information available in CDR on 28 April 2009.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			No information in CDR by 6 May 2009.
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2007. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2008 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 but no information in CDR for May. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			No information in CDR by 13 May 2009.
EWN1: River quality			Data delivered on time and in different format than requested (old template used). Shorter time series available (2000-2007). Hazardous substances data delivered. Less than 75% of requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Only short time series available (2003-2007). Hazardous substances data delivered. Less than 75% of requested stations identified.
EWN3: Groundwater quality			Data delivered on time. Data for three requested chemical substances provided. GW bodies not specified - municipalities used instead. Station data partly with coordinates and link to municipalities provided.
ME1: Marine data			Data delivered on time and in the requested format. Data provided on: nutrients in seawater, riverine inputs and direct discharge.
NRT03: Near real-time ozone data <sup>1</sup>	N/A	N/A	Country did not participate in this data flow.

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

Table 2.5 Detailed data flow analysis for Bulgaria

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Delivery on time in CDR required time series for some criteria pollutants but only partial information provided for PM <sub>10</sub> .
AE1b: NEC data			2006-2007 information for all pollutants provided on time in CDR. Format was appropriate for automated checks.
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 (1990-2007) delivered on time in CDR for all gases except perfluorocarbons (PFCs). CRF XML format provided. Short inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2007. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. 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 2007 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. 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 provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 986 (76 new) sites. All sites have information on designation, size, coordinates and valid IUCN categories. Boundaries have been reported for more than 95% of the sites.
EWN1: River quality			Data delivered on time and in the requested format. Long time series available. Hazardous substances data delivered (short time series). All requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Some long time series available. Hazardous substances data delivered. Less than 75% of requested stations identified.
EWN3: Groundwater quality			Data delivered on time. Data for all five requested chemical substances provided. GIS data for GW bodies provided. Station data with coordinates and link to WFD GW bodies provided.
ME1: Marine data			Data delivered on time and in the requested format. Data provided on: hazardous substances in biota, sediment and seawater, nutrients in seawater, direct discharge and station characteristics.
NRT03: Near real-time ozone data <sup>1</sup>	N/A	N/A	Country did not participate in this data flow.

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

Table 2.6 Detailed data flow analysis for Croatia

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Partial time series (1990, 2006-2007) provided as a delayed delivery in CDR (17 April 2009).
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Data delivered to CDR with delay (28 May 2009).
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			No information received by 30 November 2008.
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2008 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			All monthly reports provided on time in CDR. Summer report delivered with slight delay (5 November 2008). Requested metadata (EoI codes) not provided.
CDDA1: Designated areas			Delivery on time: 462 sites reported (253 new). All sites have information on IUCN category, site designation and coordinates. More than 99% have information on size. Boundaries have been reported for all sites.
EWN1: River quality			Data delivered on time and in the requested format. Only short time series available (2003-2007). Hazardous substances data delivered. More than 75% of requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Only short time series available. Hazardous substances data delivered. More than 75% of requested stations identified.
EWN3: Groundwater quality			Data delivered on time. Only Station data with coordinates provided but without a link to WFD GW bodies.
ME1: Marine data			Data delivered on time and in the requested format. Data provided on: hazardous substances in biota and sediment, nutrients in seawater and station characteristics.
NRT03: Near real-time ozone data <sup>1</sup>	N/A	N/A	Country did not participate in this data flow.

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

Table 2.7 Detailed data flow analysis for Cyprus

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Delivery on time in CDR. Required time series (1990-2007) provided for criteria pollutants.
AE1b: NEC data			1990-2007 information for all pollutants provided on time in CDR.
AE2: UNFCCC data			Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data			No information available in CDR at 15 February 2009.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2007 including monitoring of smaller particulates. 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 2007 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the agglomeration listed in Form 2. 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 provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 45 sites reported. All sites have information on designations, IUCN category, size and coordinates. Boundaries previously made available for approximately 60% of the sites.
EWN1: River quality			Data delivered on time and in the requested format. Only short time series available (6 years of Nitrate). Hazardous substances data delivered. All requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Long but broken time series available. Hazardous substances data delivered. All requested stations identified.
EWN3: Groundwater quality			Data delivered on time. Data for four requested chemical substances provided. Station data with coordinates and link to WFD GW bodies provided.
ME1: Marine data			Data delivered on time and in the requested format. Data provided on: hazardous substances in biota, nutrients in seawater and station characteristics.
NRT03: Near real-time ozone data <sup>1</sup>			Satisfactory spatial coverage of active stations and highly reliable data provision (82%) during the ozone season.

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

Table 2.8 Detailed data flow analysis for the Czech Republic

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Partial time series (2007) delivered on time in CDR.
AE1b: NEC data			2006-2007 information for all pollutants provided with delay in CDR (5 January 2009) . Tables could not be read automatically because requested format not used. Envelope has not yet been completed.
AE2: UNFCCC data			Complete time series delivered with slight delay in CDR (21/042009). National inventory report provided. CRF XML format provided.
AE2b: EU GHG data			Full time series (1990-2007) delivered on time in CDR for all gases in the criteria but CRF XML format provided with slight delay (19 January 2009). Short inventory description also provided by the deadline.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2007. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. 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 2007 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. 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 provided on time in CDR. Summer report delivered on time. EoI codes or metadata provided for at least 95% of stations.
CDDA1: Designated areas			Delivery delayed (30 March 2007). 2215 sites reported. All sites have designation, size and IUCN category and more than 99% have coordinates. Site boundary data provided for 98% of the sites.
EWN1: River quality			Data delivered on time and in the requested format. Some long time series available. Hazardous substances data delivered. Almost all requested stations identified.
EWN2: Lake quality	N/A	N/A	Country does not have any relevant lake.
EWN3: Groundwater quality			Data delivered on time. Data for all five requested chemical substances provided. GIS data for GW bodies provided. Station data with coordinates and link to WFD GW bodies provided.
ME1: Marine data	N/A	N/A	Country does not have a coastline.
NRT03: Near real-time ozone data <sup>1</sup>			Satisfactory spatial coverage of active stations and highly reliable data provision (84%) during the ozone season.

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

Table 2.9 Detailed data flow analysis for Denmark

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Delivery on time in CDR. Complete time series (1980-2007) provided for criteria pollutants.
AE1b: NEC data			Time series from 1980 for all pollutants provided on time in CDR. Requested format used but old version. Automated checks could be made.
AE2: UNFCCC data			Complete time series on time in CDR. National inventory report provided. Separate time series have been provided for the area of Denmark within the EU and for Denmark, Greenland and Faroe Islands. CRF XML format provided.
AE2b: EU GHG data			Full time series (1990-2007) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Brief inventory report also provided by the deadline.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2007. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Response to feedback report has not been provided in CDR.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2007 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. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Information on boundaries not available in CDR but were provided to EEA.
AQ2b: Monthly and summer ozone data			All monthly reports provided in CDR but 1 was delayed (07/2008). Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 2137 sites reported in Denmark and Greenland after a major revision of previously reported data. All sites have information on IUCN category, size, site designation. Coordinates are available for more than 95% of sites. Boundaries have been reported for all sites.
EWN1: River quality			No data delivery under WISE-SoE data collection 2008.
EWN2: Lake quality			No data delivery under WISE-SoE data collection 2008.
EWN3: Groundwater quality			No data delivery under WISE-SoE data collection 2008.
ME1: Marine data			Data made available through ICES. Data provided on: hazardous substances in biota and sediments and nutrients in seawater.
NRT03: Near real-time ozone data <sup>1</sup>			Data provided during the ozone season with 60% reliability. Some apparent inconsistencies in data time-stamp which need attention.

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

Table 2.10 Detailed data flow analysis for Estonia

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Delivery on time in CDR. Required time series (1990-2007) provided for criteria pollutants.
AE1b: NEC data			Time series from 1990 for all pollutants delivered on time in CDR. Format was appropriate for automated checks.
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 (1990-2007) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Draft inventory report also provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2007. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. 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 2007 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. EoI codes provided in Form 4 for stations used in the assessment of ozone but only for 64% of stations in Form 3. 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 provided in CDR but one was delayed (04/2008) and one is still in draft status (09/2008). Summer report delivered on time. EoI codes provided.
CDDA1: Designated areas			Delivery on time: 14405 (571 new) sites reported. All sites have information on designation and IUCN category. More than 85% of sites have public coordinates. Site boundary data provided for more than 75% of the sites. Spatial information for a number of designations is officially restricted in Estonia.
EWN1: River quality			Data delivered on time and in the requested format. Long time series available. Hazardous substances data delivered. All requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Long time series available. Hazardous substances data delivered. Less than 75% of requested stations identified.
EWN3: Groundwater quality			Data delivered on time. Data for three requested chemical substances provided. GIS data for GW bodies provided. Station data with coordinates and link to WFD GW bodies provided.
ME1: Marine data			Data delivered on time and in the requested format. Data provided on: hazardous substances in biota, nutrients in seawater, riverine inputs and direct discharge.
NRTO3: Near real-time ozone data <sup>1</sup>			Reliable data provision (63%) during the ozone season but spatial coverage of active stations not yet sufficient.

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

Table 2.11 Detailed data flow analysis for the FYR of Macedonia

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Partial time series (2007) delivered on time in CDR.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Partial time series delivered with delay (28 May 2009).
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2007. 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	N/A	Participation in the 2008 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			All monthly reports provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivered on time: 77 sites reported. All sites have designation and IUCN category information, 96% have size and 75% have coordinates. No boundary data provided yet.
EWN1: River quality			Data delivered on time and in the requested format. Long but broken time series available. Hazardous substances data delivered. All requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Only some broken long time series available (Total Phosphorus), rest is short and broken. Hazardous substances data not delivered. Less than 75% of requested stations identified.
EWN3: Groundwater quality			Data delivered on time. Only station data with coordinates and link to WFD GW bodies provided.
ME1: Marine data	N/A	N/A	Country does not have a coastline.
NRT03: Near real-time ozone data <sup>1</sup>	N/A	N/A	Country did not participate in this data flow.

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

Table 2.12 Detailed data flow analysis for Finland

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Delivery on time in CDR. Complete time series (1980-2007) provided for criteria pollutants.
AE1b: NEC data			Time series from 1980 provided for all pollutants on time in CDR. Flat file format used.
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 (1990-2007) delivered on time in CDR for all gases in the criteria. CRF format provided. Draft inventory report also provide by the deadline.
AQ1: EoI data			Data delivered within period counted as timely for this evaluation (8 October). Data on particulate matter available for 2007. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire			Data delivered with slight delay (3 October 2008). Forms 8 and 9 contain information on whether 2007 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 18 zones and agglomerations listed in Form 2. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Information on GIS boundaries for all zones and agglomerations listed in Form 2 provided as coordinates in Form 2.
AQ2b: Monthly and summer ozone data			All monthly reports provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Data delivered on time: 7610 (896 new) sites reported. 100% have designation, coordinates, IUCN category and size information. Boundary data provided for all sites.
EWN1: River quality			Data delivered on time and in the requested format. Long time series available. Hazardous substances data delivered. Less than 75% of requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Long time series available. Hazardous substances data delivered. All requested stations identified.
EWN3: Groundwater quality			Data delivered on time. Data for four requested chemical substances provided.
ME1: Marine data			Data made available through ICES. Data provided on: hazardous substances in biota.
NRTO3: Near real-time ozone data <sup>1</sup>			Highly reliable data provision (88%) during the ozone season but spatial coverage of active stations not yet sufficient. Some apparent inconsistencies in data time-stamp which need attention.

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

Table 2.13 Detailed data flow analysis for France

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Delivery on time in CDR. Complete time series (1980-2007) provided for criteria pollutants.
AE1b: NEC data			Full time series from 1980 for all pollutants delivered on time in CDR. Format was appropriate for automated checks.
AE2: UNFCCC data			Complete time series on time in CDR. Separate time series provided for different geographical coverage. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data			Full time series (1990-2007) delivered on time for all gases in the criteria but CRF XML format provided with delay (12 February 2009). Brief inventory report not available by deadline.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2007. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Response to feedback report has not been provided in CDR.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2007 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. 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 provided in CDR.
AQ2b: Monthly and summer ozone data			All monthly reports 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: 1769 (26 new) sites including DOM/TOM. All sites have designations and valid IUCN categories, 99% have coordinates, more than 95% have information on size. Boundaries provided for all sites.
EWN1: River quality			Data delivered on time and in the requested format. Long time series available. Hazardous substances data delivered. All requested stations identified.
EWN2: Lake quality			Only station information delivered under WISE-SoE data collection 2008.
EWN3: Groundwater quality			Data delivered on time. Data for all five requested chemical substances provided. GIS data for GW bodies already provided before. Station data with coordinates and link to WFD GW bodies provided.
ME1: Marine data			Data delivered on time and in the requested format. Data provided on: hazardous substances in biota and sediment, nutrients in seawater and station characteristics.
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.

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

Table 2.14 Detailed data flow analysis for Germany

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Delivery on time in CDR. Required time series (1990-2007) provided for criteria pollutants.
AE1b: NEC data			2006-2007 information for all pollutants delivered on time in CDR. Format was appropriate for automated checks.
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 (1990-2007) 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 2007. 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2007 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 119 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. Information on GIS boundaries for zones and agglomerations listed in Form 2 provided in CDR.
AQ2b: Monthly and summer ozone data			All monthly reports provided on time in CDR. Summer report delivered on time. Requested metadata delivered.
CDDA1: Designated areas			Delivery on time: 15349 sites reported. All sites have a designation and a IUCN category and size. Boundary data provided for all sites and request for coordinates to be calculated centrally for all sites.
EWN1: River quality			No data delivery under WISE-SoE data collection 2008.
EWN2: Lake quality			Data delivered on time, but with substantial quality problems.
EWN3: Groundwater quality			Data delivered on time. Data for four requested chemical substances provided. Station data with coordinates and link to WFD GW bodies provided.
ME1: Marine data			Data made available through ICES. Data provided on: hazardous substances in biota and sediment and nutrients in seawater.
NRT03: Near real-time ozone data <sup>1</sup>			Satisfactory spatial coverage of active stations and highly reliable data provision (96%) during the ozone season.

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

Table 2.15 Detailed data flow analysis for Greece

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Partial time series (2003 - 2007) provided as delayed deliveries in CDR (24 February and 2 April 2009).
AE1b: NEC data			Data delivered to CDR with delay (9 February 2009). No information for 2007.
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 (1990-2007) delivered with slight delay in CDR (19 January 2009). CRF XML format provided. Inventory report provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2007. More than 50% active stations monitoring PM <sub>10</sub> . Response to feedback report has not been provided in CDR.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2007 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. EoI codes provided in Forms 3 and 4 for stations used in the assessment but 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 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. 100% have a designation, more than 99% have size and more than 95% have a valid IUCN category. Boundary data provided for all sites and request for coordinates to be calculated centrally for all sites.
EWN1: River quality			No data delivery under WISE-SoE data collection 2008.
EWN2: Lake quality			No data delivery under WISE-SoE data collection 2008, no communication.
EWN3: Groundwater quality			No data delivery under WISE-SoE data collection 2008.
ME1: Marine data			No data delivery under WISE-SoE data collection 2008.
NRTO3: Near real-time ozone data <sup>1</sup>			Reliable data provision (68%) during the ozone season but spatial coverage of active stations not yet sufficient.

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

Table 2.16 Detailed data flow analysis for Hungary

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Partial time series (2007) delivered on time in CDR but the envelope is still in draft status.
AE1b: NEC data			2007 information for all pollutants available on time in CDR. No information provided for 2006. Tables could not be read automatically because requested format not used.
AE2: UNFCCC data			Full time series in CDR with a slight delay (16 April 2009). National inventory report and CRF XML format provided.
AE2b: EU GHG data			Full time series (1985-2007) delivered with slight delay in CDR for all gases in the criteria (16 January 2009). CRF XML format provided. Draft inventory report also provided.
AQ1: EoI data			Data delivered within period counted as timely for this evaluation (13 October).
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2007 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. 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 provided on time in CDR. Summer report delivered on time. EoI codes provided for all stations.
CDDA1: Designated areas			No information in CDR by 13 May 2009.
EWN1: River quality			Data delivered with a delay (2 December 2008) and in slightly different format than requested (old template used). Long time series available. Hazardous substances data delivered. All requested stations identified.
EWN2: Lake quality			Data delivered with a delay (3 December 2008). Requested format used. Long time series available. Hazardous substances data delivered. Less than 75% of requested stations identified.
EWN3: Groundwater quality			Data delivered with one month delay. Data for three requested chemical substances provided. GIS data for GW bodies already provided before.
ME1: Marine data	N/A	N/A	Country does not have a coastline.
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.

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

Table 2.17 Detailed data flow analysis for Iceland

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Partial information (SO <sub>2</sub> , NO <sub>x</sub> and NMVOC) delivered with delay (28 April 2009).
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Full time series in CDR with a slight delay (28 April 2009). CRF XML format provided. National inventory report not available.
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			Data delivered with delay in CDR (26 November 2008). Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire			Questionnaire delivered with delay (19 January 2009).
AQ2b: Monthly and summer ozone data			All monthly reports provided in CDR but only two on time. Summer report delivered on time. EoI codes provided.
CDDA1: Designated areas			Delivery on time. 96 sites reported. All sites have information on IUCN categories, designations, size and coordinates. Boundary information provided for all sites.
EWN1: River quality			Data delivered on time and in the requested format. Long but broken time series available. Hazardous substances data delivered. Less than 75% of requested stations identified.
EWN2: Lake quality	N/A		Data delivered on time and in the requested format. Very short time series available. Hazardous substances data delivered. Less than 75% of requested stations identified.
EWN3: Groundwater quality			Data delivered on time. Data for three requested chemical substances provided. Station data with coordinates and link to GW bodies provided.
ME1: Marine data			Data delivered on time and not in the requested format (data could be processed partly). Data provided on: hazardous substances in biota and riverine inputs.
NRTO3: Near real-time ozone data <sup>1</sup>	N/A		Highly reliable data provision (96%) during the ozone season but spatial coverage of active stations not yet sufficient.

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

Table 2.18 Detailed data flow analysis for Ireland

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Delivery on time in CDR. Required time series (1990-2007) provided for criteria pollutants.
AE1b: NEC data			Time series from 1990 delivered to CDR on time. Flat file format used.
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 (1990-2007) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Short inventory report not provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2007. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. 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 2007 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. 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 provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time. 309 (116 new) sites reported. All sites have information on IUCN categories, designations. Size has been reported for just over 30% of the sites. Boundary data provided for 50% of the sites and request for coordinates to be calculated centrally for sites where coordinates were not provided.
EWN1: River quality			Data delivered on time and in the requested format. Long time series available. Hazardous substances data delivered. All requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Some long time series available. Hazardous substances data delivered. All requested stations identified.
EWN3: Groundwater quality			Data delivered on time. Data for four requested chemical substances provided. GIS data for GW bodies already provided before. Station data with coordinates and link to WFD GW bodies provided.
ME1: Marine data			Data delivered on time and in the requested format. Data provided on: hazardous substances in biota and sediment, nutrients in seawater and pressures.
NRTO3: Near real-time ozone data <sup>1</sup>			Data provided during the ozone season with 50% reliability.

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

Table 2.19 Detailed data flow analysis for Italy

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Complete time series (1980-2007) provided as delayed delivery in national repository (3 April 2009).
AE1b: NEC data			2006-2007 information posted on time on national server.
AE2: UNFCCC data			Full time series on national server with a slight delay (16 April 2009). National inventory report and CRF XML format provided.
AE2b: EU GHG data			Time series information not provided in national repository by 15 February 2009.
AQ1: EoI data			Data delivered within period counted as timely for this evaluation (9 October). Data on particulate matter available for 2007. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Response to feedback report is not available..
AQ2: Air quality questionnaire			Data has not been aggregated into a national delivery but it has been provided for all 20 regions. Seven were delivered with various degrees of delay.
AQ2b: Monthly and summer ozone data			Monthly reports all available in national repository, but one was delayed (09/2008). Summer ozone report provided with slight delay (4 November ). EoI codes not provided but requested metadata available for 88% of stations.
CDDA1: Designated areas			Delivery on time in national repository: 772 sites and 100% have required information. Boundary data provided for all sites.
EWN1: River quality			Data delivered on time and in the requested format. Shorter time series available (2000-2007). Hazardous substances data delivered. All requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Only short time series available (2001-2007). Hazardous substances data delivered. All requested stations identified.
EWN3: Groundwater quality			Data delivered with substantial delay (nearly two months later). Data for three requested chemical substances provided. Station data with coordinates provided but without a link to WFD GW bodies.
ME1: Marine data			No data delivery under WISE-SoE data collection 2008.
NRT03: Near real-time ozone data <sup>1</sup>			Satisfactory spatial coverage of active stations and reliable data provision (65%) during the ozone season.

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

Table 2.20 Detailed data flow analysis for Latvia

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Delivery on time in CDR. Required time series (1990-2007) provided for criteria pollutants.
AE1b: NEC data			Time series from 1990 delivered to CDR on time.
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 (1990-2007) 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 2007. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2007 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. 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 provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time:697 (191 new) sites. 100% with information on designations, coordinates and valid IUCN categories. 95% with information on size. Boundary data provided for 95% of sites.
EWN1: River quality			Data delivered with a delay (10 November 2008) and in the requested format. Long time series available. Hazardous substances data delivered. All requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Long time series available. Hazardous substances data delivered. All requested stations identified.
EWN3: Groundwater quality			Data delivered on time. Data for four requested chemical substances provided. GIS data for GW bodies already provided before. Station data with coordinates and link to WFD GW bodies provided.
ME1: Marine data			Data delivered on time and in the requested format. Data provided on: hazardous substances in biota, nutrients in seawater and station characteristics.
NRTO3: 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.

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

Table 2.21 Detailed data flow analysis for Liechtenstein

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			No information available in CDR on 28 April 2009.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2007 for the Liechtenstein station. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2008 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			All monthly reports provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 40 sites. 100% have required information. Boundary data provided for all sites.
EWN1: River quality			No data delivery under WISE-SoE data collection 2008.
EWN2: Lake quality	N/A	N/A	Country does not have any relevant lake.
EWN3: Groundwater quality			No data delivery under WISE-SoE data collection 2008.
ME1: Marine data	N/A	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data <sup>1</sup>			Satisfactory spatial coverage of active stations and highly reliable data provision (82%) during the ozone season.

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

Table 2.22 Detailed data flow analysis for Lithuania

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Partial time series (2007) provided as delayed delivery in CDR (15 April 2009).
AE1b: NEC data			2006-2007 information delivered to CDR with delay (22 January 2009).
AE2: UNFCCC data			Full time series in CDR with delay (11 May 2009). CRF XML format provided. National inventory report provided.
AE2b: EU GHG data			Full time series (1990-2007) 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 2007. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. 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 2007 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. 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 provided in CDR but one was delayed (05/2008). Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time but re-uploaded later to CDR: 328 sites all with designations, valid IUCN categories, information on size and coordinates. Boundary data provided for all sites.
EWN1: River quality			Data delivered on time and in the requested format. Long time series available. Hazardous substances data delivered. All requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Long time series available. Hazardous substances data not delivered. All requested stations identified.
EWN3: Groundwater quality			Data delivered on time. Data for all five requested chemical substances provided. Station data with coordinates and link to WFD GW bodies provided.
ME1: Marine data			Data delivered on time and in the requested format. Data provided on: hazardous substances in biota, sediment and seawater, nutrients in seawater and station characteristics.
NRT03: Near real-time ozone data <sup>1</sup>			Highly reliable data provision (86%) during the ozone season but spatial coverage of active stations not yet sufficient.

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

Table 2.23 Detailed data flow analysis for Luxembourg

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Required time series (1990-2007) provided as delayed delivery in CDR (22 April 2009).
AE1b: NEC data			Information delivered to CDR with delay (17 April 2009).
AE2: UNFCCC data			Information delivered to CDR with delay (15 May 2009).
AE2b: EU GHG data			Full time series (1990-2007) delivered with delay in CDR for all gases (31 January 2009). CRF XML format provided. Short inventory report not provided.
AQ1: EoI data			Data delivered with delay (30 March 2009). This delivery was too late for inclusion in the release of AirBase version 3.
AQ2: Air quality questionnaire			Data delivered with delay (31 March 2009).
AQ2b: Monthly and summer ozone data			All monthly reports provided in CDR: three with delay (04,05,06/2007). Summer report delivered on time. Requested metadata provided but some geographic coordinates maybe inaccurate.
CDDA1: Designated areas			Update of previously reported data made in November 2008 in old format. 102 sites reported all with information on designation, size and IUCN category. About 70% of the sites have coordinates but many of these are of poor quality. No site boundary information provided.
EWN1: River quality			Data delivered on time and in the requested format. Long but broken time series available (missing data from 2003). Hazardous substances data delivered. All requested stations identified.
EWN2: Lake quality	N/A	N/A	Country does not have any relevant lake.
EWN3: Groundwater quality			Data delivered on time. Data for four requested chemical substances provided. GIS data for GW bodies already provided before. Station data with coordinates and link to WFD GW bodies provided.
ME1: Marine data	N/A	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data <sup>1</sup>	N/A		Data provided during the ozone season with 49% reliability.

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

Table 2.24 Detailed data flow analysis for Malta

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Partial time series (2000-2007) provided with a delay in CDR (26 February 2009).
AE1b: NEC data			2000-2007 information delivered to CDR with delay (27 January 2009). Tables could not be read automatically because requested format not used.
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 (1990-2007) delivered on time in CDR for all gases except perfluorocarbons (PFCs). CRF XML format provided. Brief inventory report not available.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2007. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire			Questionnaire delivered to CDR on time although the file is locked. Forms 8 and 9 contain information on whether 2007 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. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4.
AQ2b: Monthly and summer ozone data			All monthly reports provided in CDR: one with delay (07/2008). Summer report delivered on time. Requested metadata available.
CDDA1: Designated areas			Delivery on time: 178 sites (52 new) reported. All have designations, valid IUCN categories, coordinates and size. Boundary data provided for all sites.
EWN1: River quality	N/A	N/A	Not applicable.
EWN2: Lake quality			Data delivered on time and in the requested format. Only short time series available. Hazardous substances data not delivered. All requested stations identified.
EWN3: Groundwater quality			Data delivered with as light delay (one week later). Data for three requested chemical substances provided. GIS data for GW bodies provided. Station data with coordinates and link to WFD GW bodies already provided before.
ME1: Marine data			Data delivered on time and not in slightly different format as requested (old template used, reversed coordinates). Data provided on: hazardous substances in sediment and seawater, nutrients in seawater and station characteristics.
NRT03: Near real-time ozone data <sup>1</sup>			Satisfactory spatial coverage of active stations and reliable data provision (64%) during the ozone season.

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

Table 2.25 Detailed data flow analysis for Montenegro

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Partial time series (2006) provided with a delay in CDR (15 May 2009).
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			No information in CDR by 6 May 2009.
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			No information received in Central Data Repository by 30 November 2008.
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2008 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			No delivery of monthly exceedance information or additional summer report on exceedances in 2008 by 20 December.
CDDA1: Designated areas			No information in CDR by 13 May 2009.
EWN1: River quality			Data delivered with a delay (12 November 2008) and of insufficient quality (processing impossible).
EWN2: Lake quality			Data delivered with a delay (12 November 2008) and of insufficient quality (processing impossible).
EWN3: Groundwater quality			Data delivered with a slight delay (one week later). Data for four requested chemical substances provided. Data in a wrong format hardly processable.
ME1: Marine data			Data delivered with a delay (12 November 2008) and not in the requested format. Data was not processed due to quality problems.
NRTO3: Near real-time ozone data <sup>1</sup>	N/A	N/A	Country did not participate in this data flow.

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

Table 2.26 Detailed data flow analysis for the Netherlands

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Delivery on time in CDR. Required time series (1990-2007) provided for criteria pollutants.
AE1b: NEC data			1990, 1995, 2000 and 2006-2007 information for all pollutants delivered on time to CDR.
AE2: UNFCCC data			Full time series in CDR with slight delay (23 April 2009). CRF XML format provided. National inventory report provided.
AE2b: EU GHG data			Full time series (1990-2007) 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 2007. More than 50% active stations monitoring PM <sub>10</sub> . Response to feedback report has not been provided in CDR.
AQ2: Air quality questionnaire			Questionnaire for 2007 delivered to Central Data Repository with delay (19 November 2008). All requested information was provided. Questionnaire for 2006 also made available.
AQ2b: Monthly and summer ozone data			All monthly reports provided on time in CDR. Summer report delivered on time. EoI codes provided for all stations.
CDDA1: Designated areas			No information in CDR by 13 May 2009.
EWN1: River quality			No data delivery under WISE-SoE data collection 2008.
EWN2: Lake quality			No data delivery under WISE-SoE data collection 2008, no communication.
EWN3: Groundwater quality			Data delivered on time. Data for only two requested chemical substances provided. Data provided in a wrong format.
ME1: Marine data			Data made available through ICES. Data provided on: nutrients in seawater.
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.

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

Table 2.27 Detailed data flow analysis for Norway

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Delivery on time in CDR. Required time series (1990-2007) provided for criteria pollutants.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Complete time series on time in CDR. National inventory report provided but XML format not available.
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			Data delivered with delay in CDR (10 November 2008). Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire			Questionnaire delivered to Central Data Repository with delay (5 December 2008). All requested information was provided.
AQ2b: Monthly and summer ozone data			All monthly reports provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 2614 (233 new) sites reported. All sites have designations, Information on size is available for 98%, IUCN categories for 87%, coordinates for 70%. Boundary data provided for about 97% of sites. No request for central calculation of missing coordinates.
EWN1: River quality			Data delivered with a slight delay (4 November 2008) and in the requested format. Long time series available. Hazardous substances data delivered. Less than 75% of requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Some long time series available. Hazardous substances data delivered. More than 75% of requested stations identified.
EWN3: Groundwater quality			Data delivered on time. Data for three requested chemical substances provided. Station data with coordinates and link to GW bodies provided.
ME1: Marine data			Data delivered on time and in the requested format. Data provided on: hazardous substances in biota and nutrients in seawater.
NRT03: Near real-time ozone data <sup>1</sup>			Highly reliable data provision (83%) during the ozone season but spatial coverage of active stations not yet sufficient.

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

Table 2.28 Detailed data flow analysis for Poland

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Partial time series (2007) delivered on time in CDR.
AE1b: NEC data			Information for 2007 delivered to CDR with delay (22 January). Tables could not be read automatically because requested format not used.
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 (1990-2007) delivered on time in CDR. CRF XML format provided. Brief inventory report provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2007. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. 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 2007 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 for approximately 60% in Forms 3 and 100% in Form 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 provided on time in CDR. Summer report delivered on time. Requested metadata provided for at least 95% of stations.
CDDA1: Designated areas			Delivery on time: 2058 sites reported. All sites have designation, 90% of the sites have coordinates. 88% have information about size and approximately 75% have IUCN categories. Boundaries are now provided for almost 10% of the sites.
EWN1: River quality			Data delivered on time and in the requested format. Long time series available. Hazardous substances data delivered. Less than 75% of requested stations identified.
EWN2: Lake quality			Data delivered with a substantial delay (12 December 2008). Requested format used. Some long time series available. Hazardous substances data not delivered. Less than 75% of requested stations identified.
EWN3: Groundwater quality			Data delivered on time. Data for three requested chemical substances provided. Station data with coordinates and link to GW bodies provided.
ME1: Marine data			Data delivered with a substantial delay (16 December 2008). Only data provided through ICES (nutrients in seawater) was possible to process on time.
NRT03: Near real-time ozone data <sup>1</sup>			Satisfactory spatial coverage of active stations and highly reliable data provision (84%) during the ozone season.

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

Table 2.29 Detailed data flow analysis for Portugal

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Delivery on time in CDR. Required time series (1990-2007) provided for criteria pollutants.
AE1b: NEC data			Full time series from 1990 for all pollutants delivered on time to CDR. Format was appropriate for automated checks.
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 (1990-2007) 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 2007. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. 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 2007 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 27 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.
AQ2b: Monthly and summer ozone data			All monthly reports provided in CDR, one with delay (04/2008). Summer report delivered on time. EoI codes provided for previously reported stations and requested metadata for one additional station.
CDDA1: Designated areas			Delivery on time. 176 (126 new) sites reported. All sites have information on designation, IUCN category, size and coordinates. Boundary information provided for all sites.
EWN1: River quality			Data delivered on time and in the requested format. Only very short time series (2006-2007) available. Hazardous substances data delivered (very short time series). Less than 75% of requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Only very short time series available (2006-2007). Hazardous substances data delivered (very short time series). Less than 75% of requested stations identified.
EWN3: Groundwater quality			Data with a substantial delay (almost two months late). Data for four requested chemical substances provided. Station data with coordinates and link to WFD GW bodies provided.
ME1: Marine data			No data delivery under WISE-SoE data collection 2008.
NRTO3: Near real-time ozone data <sup>1</sup>			Satisfactory spatial coverage of active stations and reliable data provision (69%) during the ozone season.

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

Table 2.30 Detailed data flow analysis for Romania

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Delivery on time in CDR. Almost complete time series (1980-2004, 2007) for criteria pollutants but only 2007 data for PM <sub>10</sub> .
AE1b: NEC data			2006-2007 information for all pollutants delivered on time to CDR. Format was appropriate for automated checks.
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 (1989-2007) 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 2007. 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. 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 2007 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. 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 provided on time in CDR. Summer report delivered on time. Requested metadata provided for stations.
CDDA1: Designated areas			Delivery on time: 996 (15 new) sites provided. 100% of records have designation and IUCN category. More than 99% have size and coordinates. Boundary data provided for 85% of sites.
EWN1: River quality			Data delivered on time and in the requested format. Shorter time series available (2001-2007). Hazardous substances data delivered. Less than 75% of requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Only short time series available. Hazardous substances data delivered. Less than 75% of requested stations identified.
EWN3: Groundwater quality			Data delivered on time. Data for four requested chemical substances provided.
ME1: Marine data			Data delivered on time and in the requested format. Data provided on: hazardous substances in biota, sediment and seawater, nutrients in seawater and station characteristics.
NRTO3: Near real-time ozone data <sup>1</sup>	N/A	N/A	Country did not participate in this data flow.

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

Table 2.31 Detailed data flow analysis for Serbia

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Partial time series (2007) delivered on time in CDR.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			No information in CDR by 6 May 2009.
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2007. 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	N/A	Participation in the 2008 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			All monthly reports provided on time in CDR. Summer report delivered on time. Requested metadata provided for station.
CDDA1: Designated areas			Delivery on time: 235 sites (8 new) reported. All sites have designations and IUCN categories. 89% of the sites have information on size and just over 40% have information on coordinates. No site boundaries available yet.
EWN1: River quality			Data delivered on time and in the requested format. Only short time series available (2003-2007). Hazardous substances data delivered. Less than 75% of requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Only short time series available. Hazardous substances data delivered. All requested stations identified.
EWN3: Groundwater quality			Data delivered on time. Data for all five requested chemical substances provided. Station data with coordinates and link to GW bodies provided.
ME1: Marine data	N/A	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data <sup>1</sup>	N/A	N/A	Country did not participate in this data flow.

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

Table 2.32 Detailed data flow analysis for Slovakia

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Delivery on time in CDR but partial time series (2000-2007) for criteria pollutants.
AE1b: NEC data			2006-2007 information delivered to CDR on time and a second delivery was uploaded on 15 January 2009. Tables could not be read automatically because requested format not used.
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 (1990-2007) 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 2007. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. 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 2007 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. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Coordinates of GIS boundaries for all zones and agglomerations are listed in Form 2 provided.
AQ2b: Monthly and summer ozone data			All monthly reports provided in CDR, two with delay (07 and 08/2008). Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 1137 (688 new) sites. All sites have information on designation, size and IUCN category and coordinates. Site boundary data has been provided for all of the sites.
EWN1: River quality			Data delivered with a slight delay (7 November 2008) and in the requested format. Some long time series available. Hazardous substances data delivered. All requested stations identified.
EWN2: Lake quality	N/A		Data delivered with a slight delay (7 November 2008) and in the requested format. Only data from 1 year (2007) available. Hazardous substances data delivered. No station data delivered.
EWN3: Groundwater quality			Data delivered on time. Data for all five requested chemical substances provided. GIS data for GW bodies already provided before. Station data with coordinates and link to WFD GW bodies provided.
ME1: Marine data	N/A	N/A	Country does not have a coastline.
NRT03: Near real-time ozone data <sup>1</sup>			Data provided during the ozone season with 45% reliability.

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

Table 2.33 Detailed data flow analysis for Slovenia

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Delivery on time in CDR but partial time series (2000-2007) for criteria pollutants.
AE1b: NEC data			2006-2007 information for all pollutants delivered on time to CDR. Format was appropriate for automated checks.
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 (1986-2007) 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 2007. Feedback report on this delivery is not yet available.
AQ2: Air quality questionnaire			Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2007 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. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Information on GIS boundaries for all zones and agglomerations listed as codes for administrative units (LAU) in Form 2.
AQ2b: Monthly and summer ozone data			All monthly reports provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 1378 (932 new) sites. All sites have designations and more than 99% have information on size and coordinates and IUCN categories. Boundary data has been provided for 99% of the sites.
EWN1: River quality			Data delivered on time and in the requested format. Long time series available. Hazardous substances data delivered. All requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Long time series available. Hazardous substances data not delivered. All requested stations identified.
EWN3: Groundwater quality			Data delivered on time. Data for all five requested chemical substances provided. Station data with coordinates and link to WFD GW bodies provided.
ME1: Marine data			Data delivered on time and in the requested format. Data provided on: nutrients in seawater.
NRT03: Near real-time ozone data <sup>1</sup>			Satisfactory spatial coverage of active stations and highly reliable data provision (88%) during the ozone season.

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

Table 2.34 Detailed data flow analysis for Spain

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Required time series (1990-2007) provided as delayed delivery in CDR (12 March 2009).
AE1b: NEC data			Information delivered to CDR with delay (12 March 2009).
AE2: UNFCCC data			Complete time series on time in CDR. National inventory report and CRF XML format available.
AE2b: EU GHG data			Time series information not provided in CDR by 15 February 2009.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2007. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. 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 2007 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 138 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. Information on GIS boundaries for all zones and agglomerations listed in Form 2 provided in CDR. Additional report on pollution by natural events provided.
AQ2b: Monthly and summer ozone data			All monthly reports provided in CDR: one with delay (04/2008). Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Data delivery on time. 1759 sites reported. All sites have designations and size but only about 30% have information on coordinates and IUCN category. Some boundary information delivered previously.
EWN1: River quality			Data delivered on time and in the requested format. Long time series available. Hazardous substances data not delivered. Less than 75% of requested stations identified.
EWN2: Lake quality			Only station information delivered under WISE-SoE data collection 2008.
EWN3: Groundwater quality			Data delivered on time. Data for four requested chemical substances provided. Station data with coordinates and link to WFD GW bodies provided.
ME1: Marine data			No data delivery under WISE-SoE data collection 2008.
NRT03: Near real-time ozone data <sup>1</sup>			Satisfactory spatial coverage of active stations and reliable data provision (75%) during the ozone season.

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

Table 2.35 Detailed data flow analysis for Sweden

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Delivery on time in CDR. Complete time series (1980-2007) provided for criteria pollutants.
AE1b: NEC data			1980-2007 information for all pollutants delivered on time to CDR. Format was appropriate for automated checks.
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 (1990-2007) 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 2007. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. 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 2007 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. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Information on GIS boundaries for all zones and agglomerations listed as codes for administrative units (LAU) in Form 2.
AQ2b: Monthly and summer ozone data			All monthly reports provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas			Delivery on time: 11758 (6549 new) sites. All have information on designation, size and IUCN category More than 97% have information on coordinates and boundaries.
EWN1: River quality			Data delivered on time and in the requested format. Some long time series available. Hazardous substances data delivered. Less than 75% of requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Long time series available. Hazardous substances data delivered. More than 75% of requested stations identified.
EWN3: Groundwater quality			Data delivered on time. Data for three requested chemical substances provided. GIS data for GW bodies already provided before. Station data with coordinates and link to WFD GW bodies provided.
ME1: Marine data			Data delivered on time and in the requested format. Data provided on: hazardous substances in sediment, nutrients in seawater, riverine inputs, pressures, direct discharge and station characteristics.
NRTO3: Near real-time ozone data <sup>1</sup>			Highly reliable data provision (96%) during the ozone season but spatial coverage of active stations not yet sufficient.

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

Table 2.36 Detailed data flow analysis for Switzerland

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Delivery on time in CDR. Required time series (1990-2007) provided for criteria pollutants.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2007. 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	N/A	Participation in the 2008 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			All monthly reports provided on time in 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: 3287 sites provided all of which have designation, IUCN category and size although the size units do not appear to follow the standard. Boundary data provided for all sites and request for coordinates to be calculated centrally for all sites.
EWN1: River quality			Data delivered on time and in the requested format. Some long time series available. Hazardous substances data delivered. Less than 75% of requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Long time series available. Hazardous substances data delivered. All requested stations identified.
EWN3: Groundwater quality			Data delivered on time. Data for four requested chemical substances provided. Station data with coordinates and link to GW bodies provided.
ME1: Marine data	N/A	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data <sup>1</sup>			Satisfactory spatial coverage of active stations and highly reliable data provision (85%) during the ozone season.

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

Table 2.37 Detailed data flow analysis for Turkey

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			No information available in CDR on 28 April 2009.
AE1b: NEC data	N/A	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data			Complete time series provided in CDR with delay (18 May 2009). National inventory report and XML format not provided.
AE2b: EU GHG data	N/A	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data			No information available in Central Data Repository by 30 November 2008.
AQ2: Air quality questionnaire	N/A	N/A	Participation in the 2008 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data			Exceedance information available for all months in CDR but all were delayed. No summer report provided.
CDDA1: Designated areas			Delivery on time: 2477 (2166 new) sites. All sites have information on designation and IUCN category. More than 60% of the sites have information on size and just over 43% have information on coordinates. Boundaries provided for almost 10% of the sites and request for coordinates to be calculated centrally for nominated sites where possible.
EWN1: River quality			Data delivered on time and in the requested format. Only short time series available (2005-2007). Hazardous substances data not delivered. None of requested stations identified.
EWN2: Lake quality			Data delivered on time and in the requested format. Only quality data delivered and only data from 1 year (2003) available. Hazardous substances data not delivered. Less than 75% of requested stations identified.
EWN3: Groundwater quality			Data delivered on time. Data for only two requested chemical substances provided. Station data with coordinates and link to GW bodies provided.
ME1: Marine data			Data made available through MEDPOL. Data provided on: nutrients in seawater.
NRTO3: Near real-time ozone data <sup>1</sup>	N/A		Improved automatisation would improve timelag of data provision and reliability (78%) Spatial coverage of active stations, in particular in rural areas, is not yet sufficient.

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

Table 2.38 Detailed data flow analysis for the United Kingdom

Data flow name	Progress 2007-2008	Progress 2008-2009	Remark
AE1: LRTAP data			Delivery on time in CDR. Complete time series (1980-2007) provided for criteria pollutants.
AE1b: NEC data			2003-2007 information delivered to CDR with delay (14 January 2009). Format for a limited number of tables was appropriate for automated checks
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 (1990-2007) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Short inventory report not provided.
AQ1: EoI data			Data delivered on time. Data on particulate matter available for 2007. More than 50% active stations monitoring PM <sub>10</sub> plus some monitoring of smaller particulates. 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 2007 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. 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 provided on time in CDR. Summer report delivered on time. EoI codes or requested metadata provided for all stations.
CDDA1: Designated areas			Delayed delivery (9 April 2009). 8801 (176 new) sites reported. All have information on designation. More than 99% of the sites have coordinates, IUCN category and size. Boundary data provided for almost 99% of the sites.
EWN1: River quality			No data delivery under WISE-SoE data collection 2008.
EWN2: Lake quality			No data delivery under WISE-SoE data collection 2008, no communication.
EWN3: Groundwater quality			No data delivery under WISE-SoE data collection 2008.
ME1: Marine data			Data made available through ICES. Data provided on: hazardous substances in biota and sediment, nutrients in seawater.
NRTO3: Near real-time ozone data <sup>1</sup>			Satisfactory spatial coverage of active stations and highly reliable data provision (96%) during the ozone season.

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





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