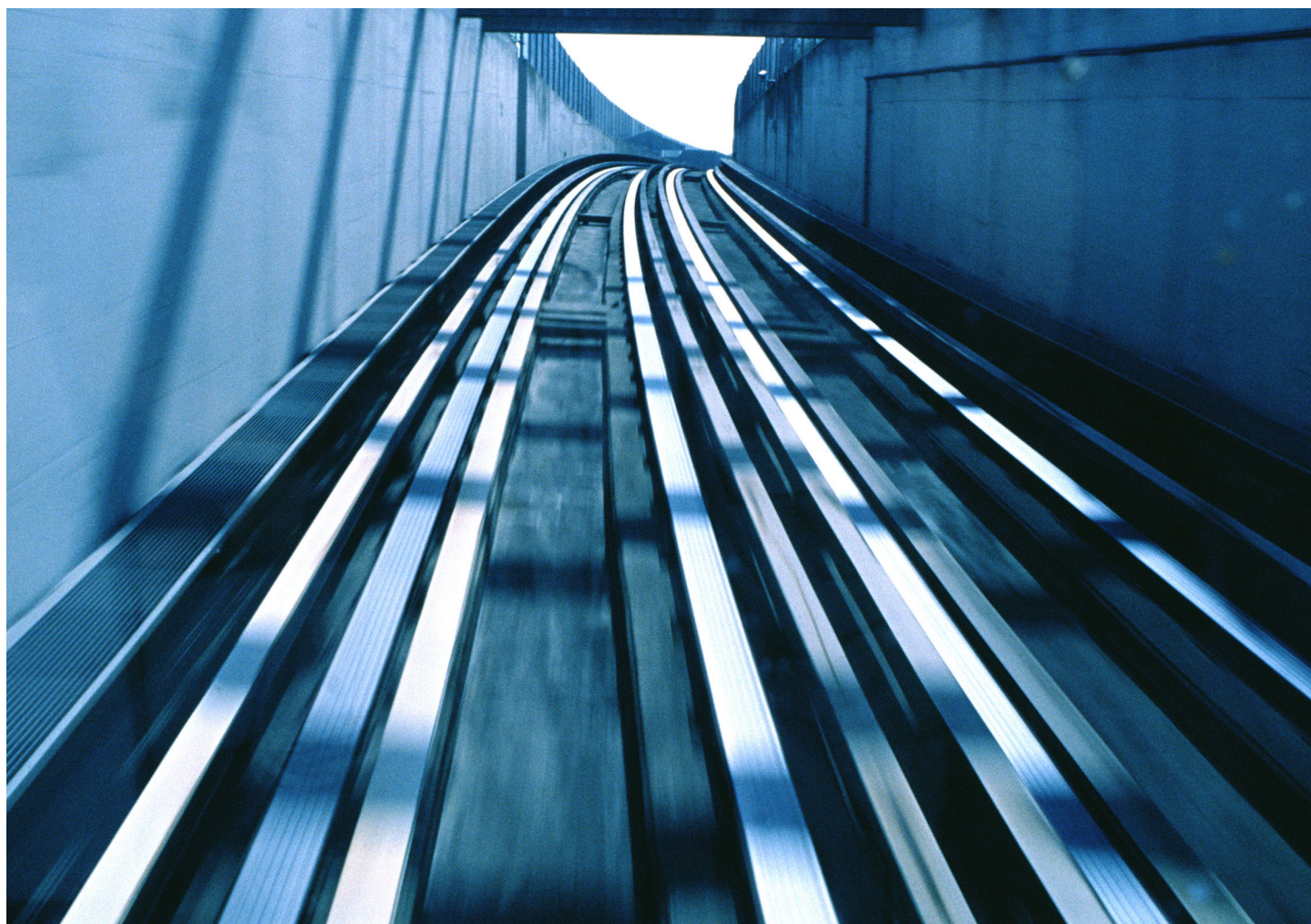


Eionet priority data flows

May 2009–April 2010

1830-7701



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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 thirteenth 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 *compétition amicale* concentrating on achievements rather than failures.

Progress has again been assessed in the twelve regular priority areas. Information is provided for two additional dataflows: reporting to EEA on near real-time ozone and, for the first time, reporting of emissions to water.

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.

For the second year running, three countries achieved scores of 100 %. My congratulations go to Germany, Austria and Sweden. Latvia and Slovakia were in second place with a score of 98 %. The overall trend continues to be encouraging. Once again several countries increased attention to their reporting and this is reflected in their improved results. Compared to previous years, Liechtenstein, Denmark and Spain have made most progress, followed by the Netherlands and Turkey. More than 60 % of countries have achieved scores of 80 % or above. The average score has risen to 78 %.

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 also worrying signs. This year eight countries failed to achieve a score of 60 % with three of these below 50 %. Only two of these eight countries managed to improve on last years evaluation, so the network cannot be complacent. Countries that are having difficulties with specific data flows are encouraged to discuss their problems with the EEA. 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 appropriate common tools further into all priority data flow activities at a national level in order to implement the SEIS principles.

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

Jacqueline McGlade
Executive Director

Figure 1 Overall performance of countries (May 2009–April 2010)

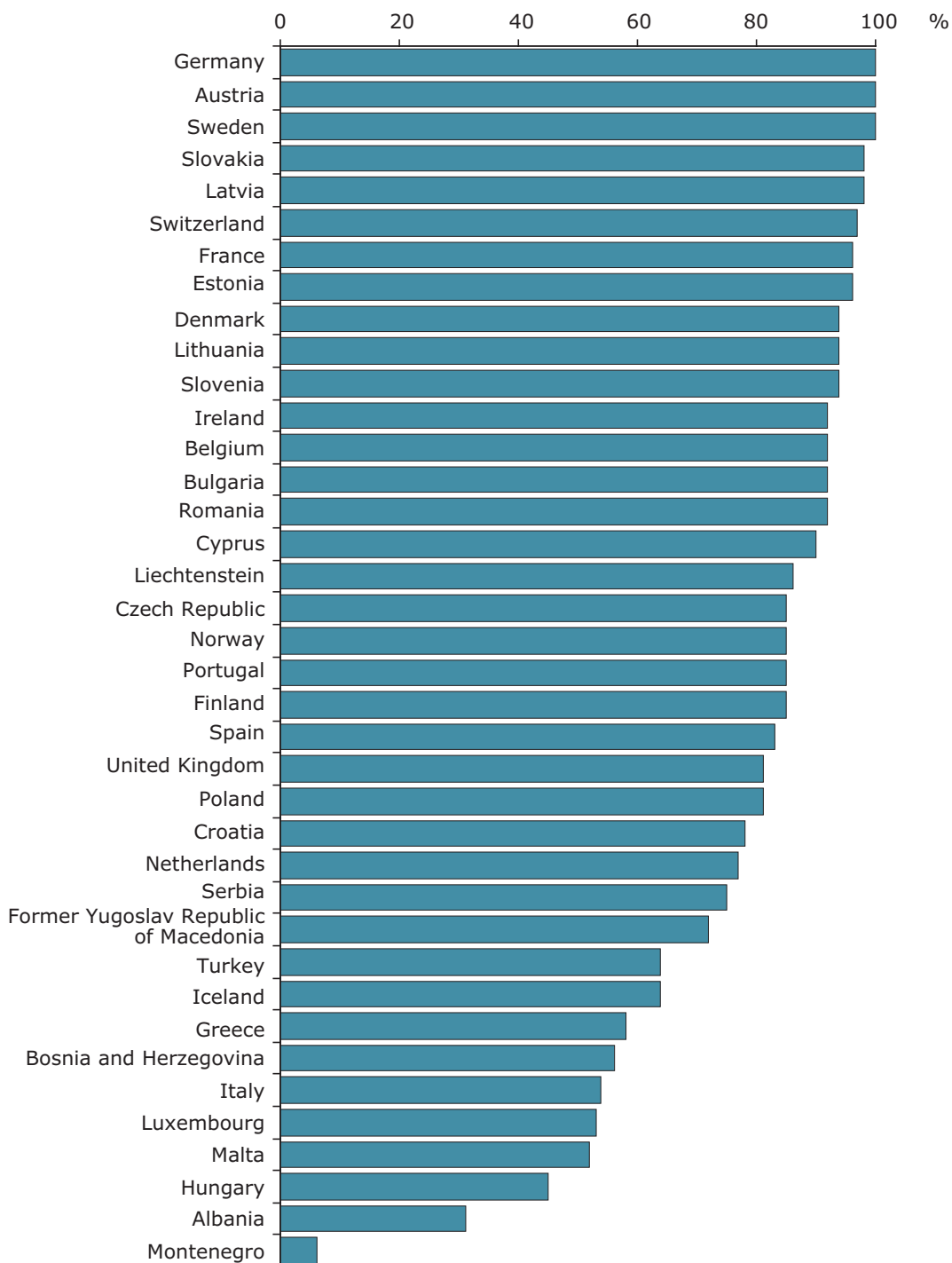


Table 1 Performance history

Country	Score 2000	Score 2001	Score 2002	Score 2003	Score 2004	Score 2005	Score 2006	Score 2007	Score 2008	Score 2009	Trend compared to last year
Albania	0 %	0 %	0 %	17 %	22 %	30 %	45 %	21 %	19 %	31 %	+ 12 % ↗
Austria	81 %	81 %	97 %	95 %	98 %	98 %	100 %	100 %	100 %	100 %	0 % →
Belgium	31 %	50 %	53 %	58 %	59 %	66 %	69 %	75 %	96 %	92 %	- 4 % →
Bosnia and Herzegovina	18 %	39 %	29 %	34 %	22 %	22 %	53 %	46 %	58 %	56 %	- 2 % →
Bulgaria	42 %	71 %	69 %	75 %	80 %	89 %	80 %	92 %	96 %	92 %	- 4 % →
Croatia	N/A	N/A	N/A	N/A	28 %	17 %	48 %	71 %	69 %	78 %	+ 9 % ↗
Cyprus	N/A	N/A	N/A	N/A	N/A	25 %	63 %	81 %	90 %	90 %	0 % →
Czech Republic	38 %	75 %	72 %	68 %	63 %	65 %	68 %	84 %	80 %	85 %	+ 5 % →
Denmark	81 %	86 %	83 %	85 %	82 %	69 %	63 %	78 %	73 %	94 %	+ 21 % ↑
Estonia	54 %	81 %	72 %	80 %	81 %	81 %	90 %	86 %	96 %	96 %	0 % →
Finland	61 %	72 %	68 %	79 %	85 %	75 %	73 %	78 %	92 %	85 %	- 7 % ↘
Former Yugoslav Republic of Macedonia	29 %	42 %	54 %	50 %	50 %	69 %	78 %	75 %	75 %	72 %	- 3 % →
France	47 %	53 %	63 %	73 %	79 %	83 %	85 %	89 %	94 %	96 %	+ 2 % →
Germany	69 %	64 %	83 %	81 %	67 %	75 %	92 %	78 %	88 %	100 %	+ 12 % ↗
Greece	50 %	50 %	60 %	52 %	44 %	54 %	50 %	50 %	52 %	58 %	+ 6 % ↗
Hungary	46 %	68 %	56 %	53 %	47 %	80 %	86 %	78 %	66 %	45 %	- 21 % ↓
Iceland	28 %	14 %	36 %	30 %	14 %	56 %	30 %	64 %	73 %	64 %	- 9 % ↘
Ireland	67 %	61 %	68 %	71 %	65 %	73 %	73 %	81 %	94 %	92 %	- 2 % →
Italy	39 %	33 %	65 %	56 %	52 %	59 %	50 %	64 %	67 %	54 %	- 13 % ↘
Latvia	50 %	66 %	80 %	89 %	94 %	98 %	100 %	97 %	98 %	98 %	0 % →
Liechtenstein	19 %	9 %	61 %	53 %	43 %	64 %	54 %	60 %	57 %	86 %	+ 29 % ↑
Lithuania	36 %	50 %	47 %	73 %	73 %	83 %	94 %	94 %	85 %	94 %	+ 9 % ↗
Luxembourg	22 %	36 %	18 %	25 %	14 %	39 %	44 %	34 %	58 %	53 %	- 5 % →
Malta	N/A	N/A	N/A	78 %	56 %	63 %	68 %	69 %	86 %	52 %	- 34 % ↓
Montenegro	N/A	N/A	N/A	N/A	17 %	36 %	56 %	0 %	17 %	6 %	- 11 % ↘
Netherlands	58 %	67 %	70 %	69 %	64 %	77 %	79 %	81 %	60 %	77 %	+ 17 % ↑
Norway	64 %	64 %	81 %	75 %	69 %	65 %	78 %	93 %	80 %	85 %	+ 5 % →
Poland	36 %	53 %	72 %	65 %	50 %	58 %	77 %	69 %	79 %	81 %	+ 2 % →
Portugal	39 %	33 %	35 %	50 %	20 %	27 %	42 %	64 %	83 %	85 %	+ 2 % →
Romania	21 %	21 %	47 %	38 %	31 %	11 %	75 %	86 %	96 %	92 %	- 4 % →
Serbia	N/A	N/A	N/A	N/A	17 %	36 %	56 %	60 %	78 %	75 %	- 3 % →
Slovakia	25 %	43 %	63 %	72 %	84 %	85 %	95 %	97 %	91 %	98 %	+ 7 % ↗
Slovenia	50 %	66 %	78 %	88 %	92 %	75 %	96 %	94 %	96 %	94 %	- 2 % →
Spain	58 %	33 %	55 %	38 %	41 %	52 %	56 %	64 %	63 %	83 %	+ 20 % ↑
Sweden	47 %	89 %	90 %	90 %	94 %	94 %	96 %	97 %	100 %	100 %	0 % →
Switzerland	N/A	N/A	N/A	N/A	N/A	75 %	39 %	85 %	100 %	97 %	- 3 % →
Turkey	N/A	N/A	N/A	N/A	N/A	19 %	17 %	25 %	47 %	64 %	+ 17 % ↑
United Kingdom	78 %	72 %	83 %	73 %	66 %	82 %	83 %	94 %	65 %	81 %	+ 16 % ↑
Average (all countries)	45 %	53 %	62 %	64 %	57 %	62 %	69 %	73 %	77 %	78 %	+ 1 % →



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 8–21 in this report). Scores from all priority data flow areas are summed up for each country and then expressed as a percentage of the country's maximum score. Maximum scores are country specific, as not all countries are involved in all data flows.

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

N/A means not applicable. Some data flows are only relevant for the 27 Member States of the European Union. Furthermore, some countries such as Austria are not party to the relevant marine conventions.

Trend compared to the previous year

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

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

Timetable for Eionet priority data flows

Below is an overview of the deadlines for delivering data under the Eionet priority data flows for the reporting cycle 2009–2010.

Data flow	Deadline
AQ-2: Air quality questionnaire	30 September 2009
AQ-1: EoI data	1 October 2009
AQ-2b: Monthly/summer ozone	31 October 2009 (*)
EWN-1: River quality	31 October 2009
EWN-2: Lake quality	31 October 2009
EWN-3: Groundwater quality	31 October 2009
ME-1: Marine data	31 October 2009
WISE1: Water emission quality	31 October 2009
AE-1b: NEC data	31 December 2009
AE-2b: EU GHG data	15 January 2010
AE-1: LRTAP data	15 February 2010
AE-2: UNFCCC data	15 April 2010
CDDA-1: Designated areas	Not applicable (**)
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 2009.

(**) There is no traditional deadline for the near real-time ozone data flow, as it is based on continuous data exchange during the summer season. In 2009, there was no formal deadline for the CDDA data flow.

Evolution of priority data flow reporting

Data flow progress reporting began in 1999 with an initial geographical coverage of the original 18 member countries of EEA. The coverage was extended in 2000 by including the 13 countries (Albania, Bosnia and Herzegovina, Bulgaria, the Czech Republic, Estonia, the former Yugoslav Republic of Macedonia, Hungary, Latvia, Lithuania, Poland, Romania, Slovakia and Slovenia) from the then Phare programme. Further extensions have increased the number of participating countries to 38: Malta (joining in 2004), Croatia, Serbia and Montenegro (joining in 2005) and Cyprus, Switzerland and Turkey (joining in 2006).

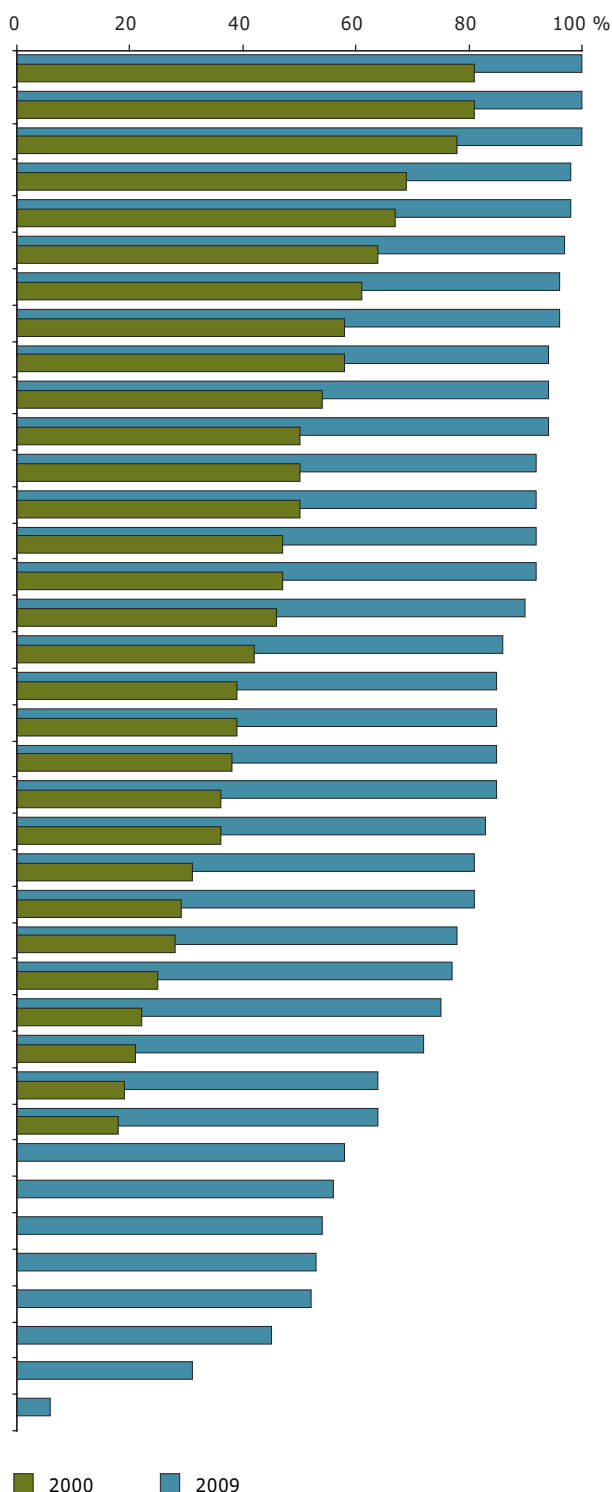
In 1998, Eionet discussions on data flows focused on those which were seen as the key reporting activities for the thematic areas of air emissions, air quality, fresh water, marine, designated areas and Corine land cover. The set of information identified at that time has indeed proved to be a stable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

The overall principle for the evaluation of the priority data flows has remained constant. For data flows that require countries to deliver annual measurement data, a timely delivery in the appropriate format merits two smileys as these are the basics for efficient compilation of a European dataset. The third smiley is awarded as an indication of completeness of the delivery. This criterion has gradually been made more stringent across all data flows, so that countries have had to work harder to maintain their score from year to year.

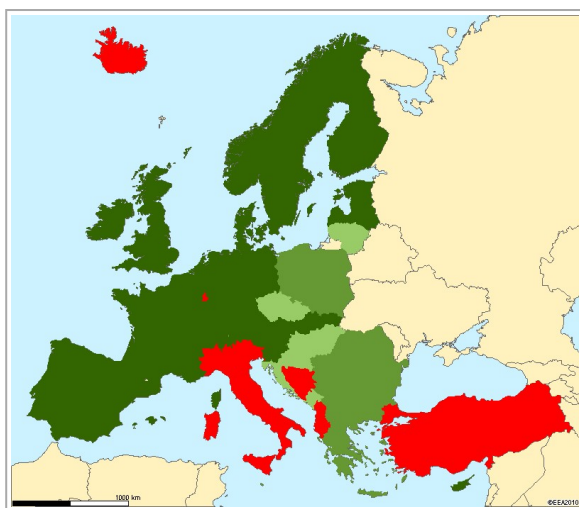
Figure 2 shows the comparative scores between the year 2000 and the current reporting cycle. The figure illustrates the significant improvement in the scores across all countries. During 2000–2009, the average score has continuously improved, from 45 % to 78 %, see Table 1.

In 2000, no country was able to reach the full score of 100 %. The highest scores at the time were 81 % (Denmark and Austria) and 78 % (the United Kingdom). All other participating countries had scores below 70 %. In 2009 however, 28 out of 38 countries reached a score above 70 %. The score of 15 countries was above 90 % and 3 countries were able to achieve the full score of 100 %.

Figure 2 Comparison of Eionet performance evaluation, 2000 versus 2009







Overview for data flow AE1: LRTAP data



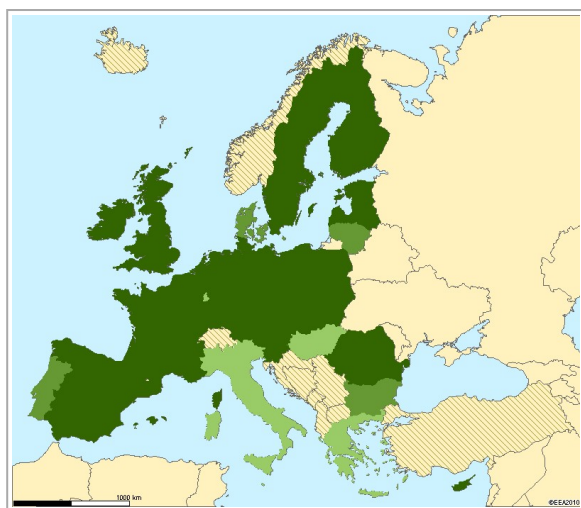
	19 countries with a score of 3 points: Austria, Belgium, Cyprus, Denmark, Estonia, Finland, France, Germany, Ireland, Latvia, Netherlands, Norway, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom
	8 countries with a score of 2 points: Bulgaria, Former Yugoslav Republic of Macedonia,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

Detailed criteria for scoring

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

	Complete time series available for all requested pollutants SO ₂ , NO _x , CO, NMVOC, NH ₃ (at least 1990-2008) and PM ₁₀ (at least 2000-2008) by 15 February 2010.
	Data available on time (by 15 February 2010).
	Data delivered after 15 February 2010.
	No delivery available.
European datasets	Air emissions data published through EEA Data Service Air pollutant emissions (LRTAP) data viewer in EEA Data Service
Related indicators	<p>EEA core set of indicators:</p> <ul style="list-style-type: none"> • CSI 001 Emissions of acidifying substances • CSI 002 Emissions of ozone precursors • CSI 003 Emissions of primary particles and secondary particulate precursors <p>Other air indicators on EEA website.</p>

Overview for data flow AE1b: NEC data



	18 countries with a score of 3 points: Austria, Belgium, Cyprus, Czech Republic, Estonia, Finland, France, Germany, Ireland, Latvia, Netherlands, Poland, Romania, Slovakia, Slovenia, Spain, Sweden, United Kingdom
	4 countries with a score of 2 points: Bulgaria, Denmark, Lithuania, Portugal
	5 countries with a score of 1 point: Greece, Hungary, Italy, Luxembourg, Malta
	No country in this category.
	This data flow is not applicable (N/A) to 11 countries: Albania, Bosnia and Herzegovina, Croatia, Former Yugoslav Republic of Macedonia, Iceland, Liechtenstein, Montenegro, Norway, Serbia, Switzerland, Turkey

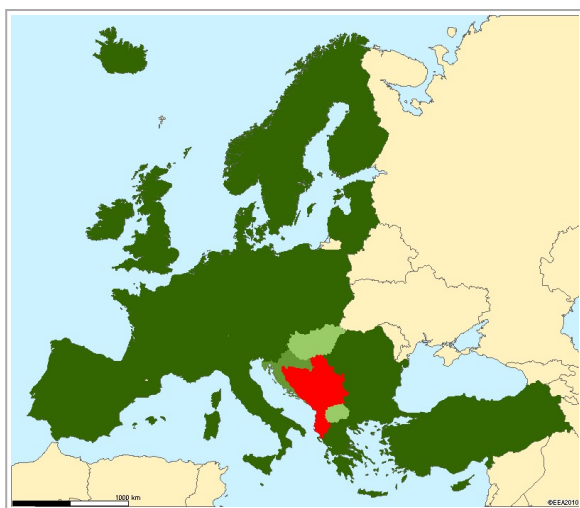
Detailed criteria for scoring

Main changes in 2009: Provision of projections for 2010 now included in evaluation.

Scoring criteria based on timeliness of reporting on the emissions of SO₂, NO_x, NMVOC and NH₃ during 2007 and 2008 plus projections for 2010 as required by the [National Emission Ceilings Directive 2001/81/EC](#). The directive requires reporting according to the [template](#). Countries have been requested to post their deliveries in the Central Data Repository ([see letter to Eionet](#)).

	NEC data available in CDR by 31 December 2009 and in the format specified and without modifications to the reporting template.
	NEC data delivered in time (by 31 December 2009).
	NEC data delivered after 31 December 2009.
	No NEC data delivered.
European datasets	National Emission Ceilings Directive Inventory in EEA Data Service Air pollutant emissions (NEC Directive) data viewer in EEA Data Service
Related indicators	<p>EEA core set of indicators:</p> <ul style="list-style-type: none"> • CSI 001 Emissions of acidifying substances • CSI 002 Emissions of ozone precursors • CSI 003 Emissions of primary particles and secondary particulate precursors <p>Other air indicators on EEA website.</p>

Overview for data flow AE2: UNFCCC data



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

- 2 countries with a score of 2 points: Croatia, Liechtenstein

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

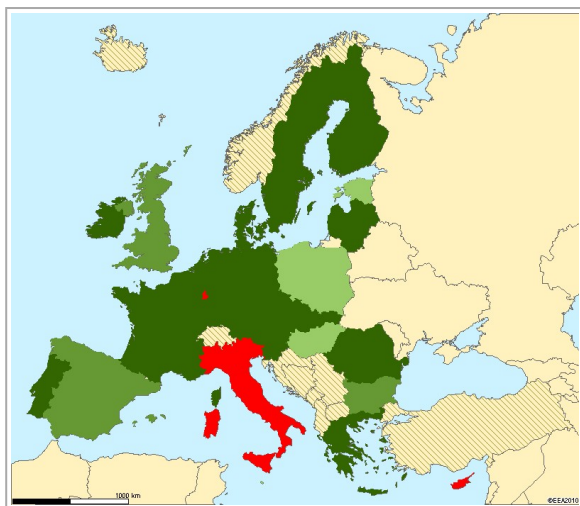
- 4 countries did not deliver data: Albania, Bosnia and Herzegovina, Montenegro, Serbia

Detailed criteria for scoring

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

	Complete time series made available from 1990 to 2008 for all pollutants requested by data flow project: CO ₂ , CH ₄ , N ₂ O, HFC, PFC and SF ₆ made available in specified XML format by 15 April 2010.
	Data in XML format available on time (by 15 April 2010).
	Data delivered with delay (after 15 April 2010) or not in XML format.
	No delivery available.
European datasets	Greenhouse gas emissions data published through EEA Data Service Greenhouse gas emissions data viewer in EEA Data Service
Related indicators	EEA core set of indicators: <ul style="list-style-type: none"> • CSI 002 Emissions of ozone precursors • CSI 010 Greenhouse gas emissions and removals Greenhouse gas country profiles

Overview for data flow AE2b: EU GHG data



- 17 countries with a score of 3 points: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Ireland, Latvia, Lithuania, Netherlands, Portugal, Romania, Slovakia, Slovenia, Sweden

- 3 countries with a score of 2 points: Bulgaria, Spain, United Kingdom

- 4 countries with a score of 1 point: Estonia, Hungary, Malta, Poland

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

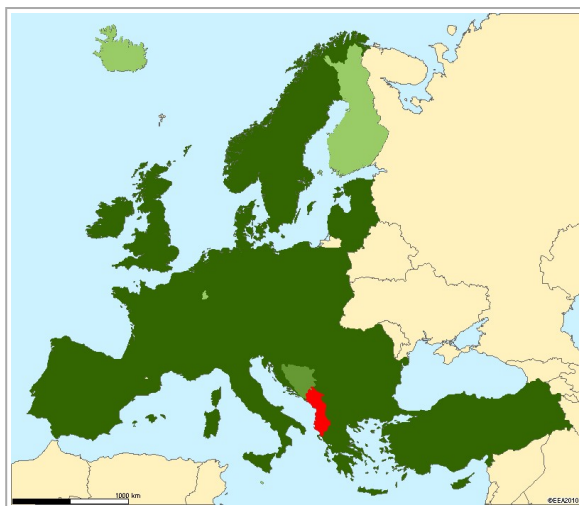
- This data flow is not applicable (N/A) to 11 countries: Albania, Bosnia and Herzegovina, Croatia, Former Yugoslav Republic of Macedonia, Iceland, Liechtenstein, Montenegro, Norway, Serbia, Switzerland, Turkey

Detailed criteria for scoring

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

	Greenhouse Gas Monitoring Mechanism (EU GHG MM) data and preliminary inventory report delivered in time (by 15 January 2010) including all requested gases and in the specified XML format.
	GHG data delivered in time and in the specified XML format (by 15 January 2010).
	GHG data delivered with delay (15-31 January 2010) or not in the specified XML format.
	No GHG data delivered or significantly delayed (after 31 January 2010).
European datasets	Greenhouse gas emissions data published through EEA Data Service Greenhouse gas emissions data viewer in EEA Data Service
Related indicators	EEA core set of indicators: <ul style="list-style-type: none"> • CSI 002 Emissions of ozone precursors • CSI 010 Greenhouse gas emissions and removals Greenhouse gas country profiles .

Overview for data flow AQ1: EoI data



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

1 country with a score of 2 points: Bosnia and Herzegovina

4 countries with a score of 1 point: Finland, Iceland, Luxembourg, Malta

2 countries did not deliver data: Albania, Montenegro

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.



2008 data delivered in time and includes particulate matter (Black Smoke, TSP, PM₁₀, PM_{2.5}, PM_{1.0}).



2008 data delivered in time (not later than 31 October 2009).



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



No delivery available.

European datasets

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

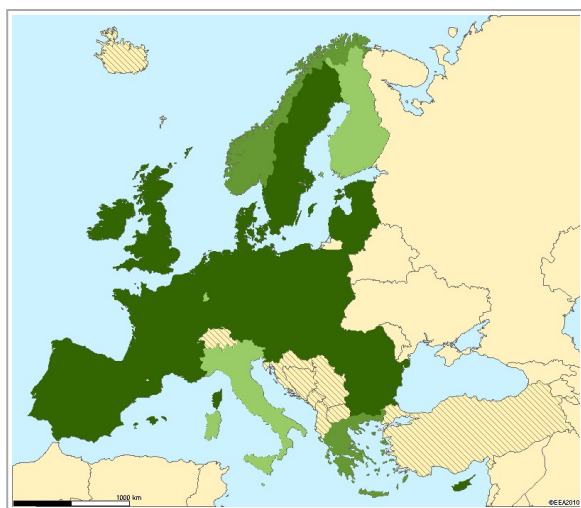
Related indicators

[EEA core set of indicators](#):

- CSI 004 Exceedance of air quality limit values in urban areas
- CSI 005 Exposure of ecosystems to acidification, eutrophication and ozone

Other [air quality indicators](#) on EEA website.





Overview for data flow AQ2: Air quality questionnaire



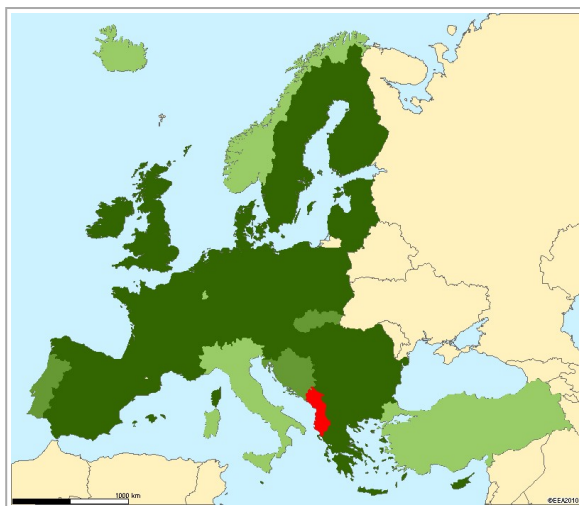
	22 countries with a score of 3 points: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, France, Germany, Hungary, Ireland, Latvia, Lithuania, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, United Kingdom
	2 countries with a score of 2 points: Greece, Norway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

Detailed criteria for scoring

Scoring is based on reporting of information on exceedances or non-exceedances in zones and agglomerations for all pollutants required to be reported through the annual questionnaire (2004/461/EC) by the daughter directives of the Air Quality Framework Directive (1999/30/EC: sulphur dioxide, nitrogen dioxide and oxides of nitrogen, particulate matter and lead; 2000/69/EC: benzene and carbon monoxide; 2002/3/EC: ozone). Digital boundary information for the zones and agglomerations is also required where zone boundaries have changed or where zone boundaries were not previously available so that a European overview can be produced. Participation in the 2009 data flow is voluntary for countries which are not EU Member States.

	Annual air quality in zones and agglomerations for 2008 for all required pollutants delivered in CDR using the questionnaire by 30 September 2009 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 2008 for all required pollutants delivered in CDR using the questionnaire by 30 September 2009 and boundary information supplied for all reported zones and agglomerations.
	Information delivered but not meeting the criteria relating to timeliness, number of pollutants, boundary information or station metadata.
	No information delivered.
European datasets	Zones in relation to EU air quality thresholds published through EEA Data Service Map viewer for air quality zones
Regular products	Annually published DG Environment list of zones in the EU Member States in relation to air quality thresholds

Overview for data flow AQ2b: Monthly and summer ozone data



- 27 countries with a score of 3 points: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Former Yugoslav Republic of Macedonia, Germany, Greece, Hungary, Ireland, Latvia, Liechtenstein, Lithuania, Malta, Netherlands, Poland, Romania, Serbia, Slovenia, Spain, Sweden, Switzerland, United Kingdom

- 4 countries with a score of 2 points: Bosnia and Herzegovina, Croatia, Portugal, Slovakia

- 5 countries with a score of 1 point: Iceland, Italy, Luxembourg, Norway, Turkey

- 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 2009 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 2009 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.

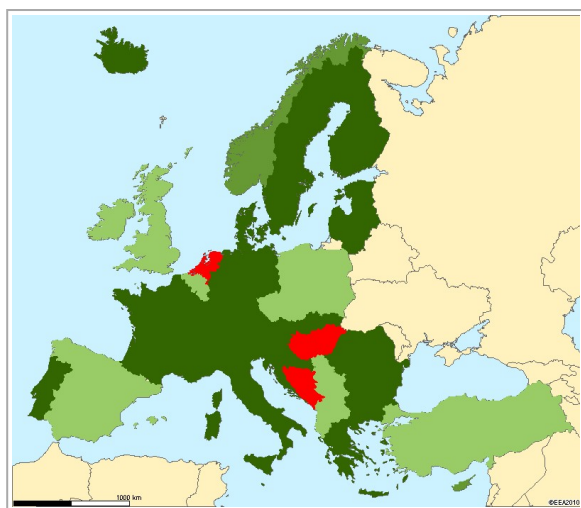


No 2009 data delivered.

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

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

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

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

Detailed criteria for scoring

There is no formal data collection in 2010. Evaluation and scoring criteria for the CDDA are unchanged from 2009. See [letter to Eionet](#). The criteria are based on the timeliness and quality of the data made available in the agreed national data repository. Correctly reported spatial data with the appropriate attributes allows EEA to use CDDA in combination with other European data sets when making assessments. The information on IUCN¹ 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.



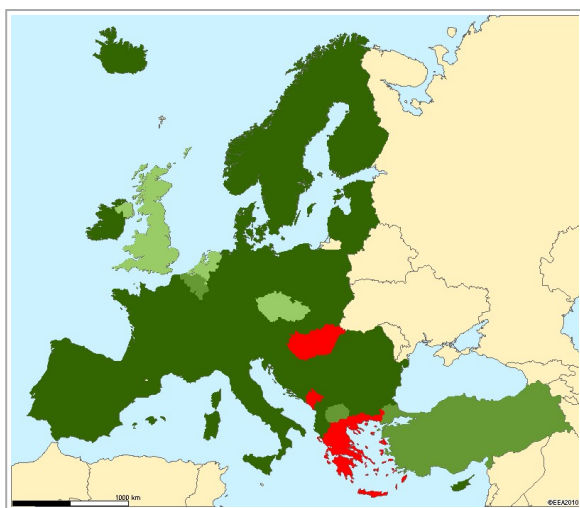
No data made available or less than 30 % of the nationally designated areas reported have the required attributes.

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

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

¹ 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



- 28 countries with a score of 3 points: Albania, Austria, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Denmark, Estonia, Finland, France, Germany, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland

- 3 countries with a score of 2 points: Belgium, Former Yugoslav Republic of Macedonia, Turkey

- 3 countries with a score of 1 point: Czech Republic, Netherlands, United Kingdom

- 3 countries did not deliver data: Greece, Hungary, Montenegro

- 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 2009 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 2009, or
 Timely delivery, but delivered data are not fulfilling basic quality criteria.



No data delivery under WISE-SoE data collection 2009, no communication.

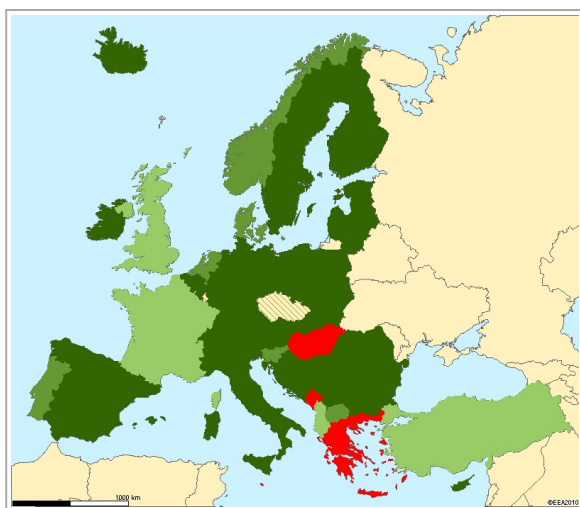
European datasets [Waterbase data](#) published through EEA data service

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

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

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

Overview for data flow EWN2: Lake quality



- 21 countries with a score of 3 points: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Estonia, Finland, Germany, Iceland, Ireland, Italy, Latvia, Lithuania, Poland, Romania, Serbia, Slovakia, Spain, Sweden, Switzerland

- 6 countries with a score of 2 points: Denmark, Former Yugoslav Republic of Macedonia, Netherlands, Norway, Portugal, Slovenia

- 4 countries with a score of 1 point: Albania, France, Turkey, United Kingdom

- 4 countries did not deliver data: Greece, Hungary, Malta, Montenegro

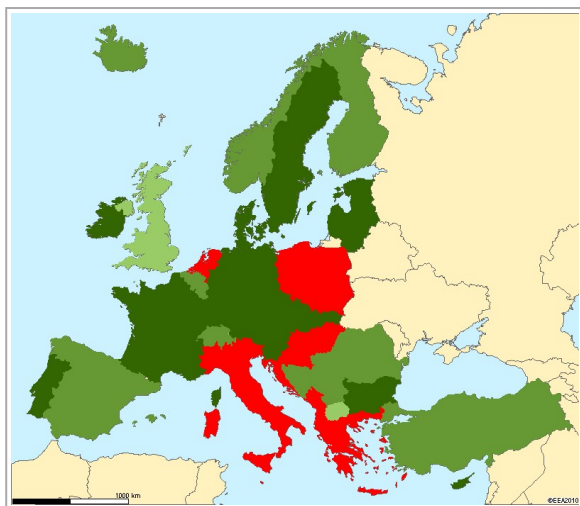
- This data flow is not applicable (N/A) to 3 countries: Czech Republic, Liechtenstein, Luxembourg

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"> More than 75 % of sites identified and described, or Delivery of hazardous substances data.
	<ol style="list-style-type: none"> Timely data delivery 2009 to national repository, and Data delivered in the requested format, or longer time series for ammonium, nitrate and total phosphorus.
	<p>Delayed data delivery under WISE-SoE data collection 2009 Or: timely delivery, but delivered data are not fulfilling basic quality criteria.</p>
	<p>No data delivery under WISE-SoE data collection 2009, no communication.</p>
European datasets	Waterbase data published through EEA data service
Related indicators	EEA core set of indicators : CSI 20 Nutrients in freshwater Other water indicators on EEA website.

Overview for data flow EWN3: Groundwater quality



- 15 countries with a score of 3 points: Austria, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, France, Germany, Ireland, Latvia, Lithuania, Portugal, Slovakia, Slovenia, Sweden

- 11 countries with a score of 2 points: Belgium, Bosnia and Herzegovina, Finland, Iceland, Luxembourg, Norway, Romania, Serbia, Spain, Switzerland, Turkey

- 3 countries with a score of 1 point: Former Yugoslav Republic of Macedonia, Liechtenstein, United Kingdom

- 9 countries did not deliver data: Albania, Croatia, Greece, Hungary, Italy, Malta, Montenegro, Netherlands, Poland

Detailed criteria for scoring

Important for achieving the maximum score are the provision of disaggregated data of Ammonium, Nitrates, Nitrites, Dissolved Oxygen and pesticides, provision of GIS polygon data of groundwater bodies, provision of monitoring stations with coordinates and their link to WFD Art. 5 groundwater bodies.



Timely data delivery to national repository and country feedback to reported data issues, and additionally:

1. At least three of five chemical substances data reported in disaggregated structure: Ammonium, Nitrates, Nitrites, Dissolved Oxygen and pesticides
2. Monitoring stations with coordinates and their link to WFD Art. 5 groundwater bodies (if not delivered in the past years)
3. GIS polygon data of groundwater bodies including the most important attribute fields mentioned in the methodology for GW body characteristics and pressure table in Data Dictionary (if not delivered up to now within WISE SoE reporting or WFD reporting)



Timely data delivery to national repository and country feedback to reported data issues, and

1. At least two of five chemical substances data: Ammonium, Nitrates, Nitrites, Dissolved Oxygen and pesticides
2. In case disaggregated data are reported, monitoring stations with coordinates and their link to groundwater bodies (if not delivered in the past years)
3. Groundwater bodies including the most important attribute fields mentioned in the methodology for GW bodies table (if not delivered in the past years)



Delivery under WISE-SoE data collections 2009 contains:

1. Quality data for at least one out of five chemical substances: Ammonium, Nitrates, Nitrites, Dissolved Oxygen and pesticides, or
2. GIS polygon data of groundwater bodies (if not delivered in the past years), or
3. Groundwater monitoring stations (sampling sites) with coordinates (if not delivered in the past years).

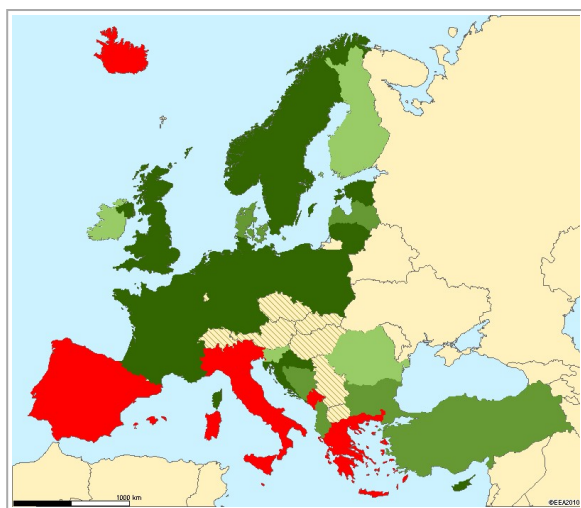


No data delivery under WISE-SoE data collection 2009, no communication.

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

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

Overview for data flow ME1: Marine data



- 12 countries with a score of 3 points: Belgium, Croatia, Cyprus, Estonia, France, Germany, Lithuania, Netherlands, Norway, Poland, Sweden, United Kingdom

- 6 countries with a score of 2 points: Albania, Bosnia and Herzegovina, Bulgaria, Denmark, Latvia, Turkey

- 4 countries with a score of 1 point: Finland, Ireland, Romania, Slovenia

- 7 countries did not deliver data: Greece, Iceland, Italy, Malta, Montenegro, Portugal, Spain

- This data flow is not applicable (N/A) to 9 countries: Austria, Czech Republic, Former Yugoslav Republic 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.

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



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



Timely data delivery under Eionet-Water or to Marine Conventions, and submissions of at least two items out of the list and including the one item that support the marine CSI (in essence Hazardous substances in biota and nutrients in seawater).



Submissions of at least one item out of the list.



No data delivery under Eionet-Water or to Marine Conventions in 2009, no communication.

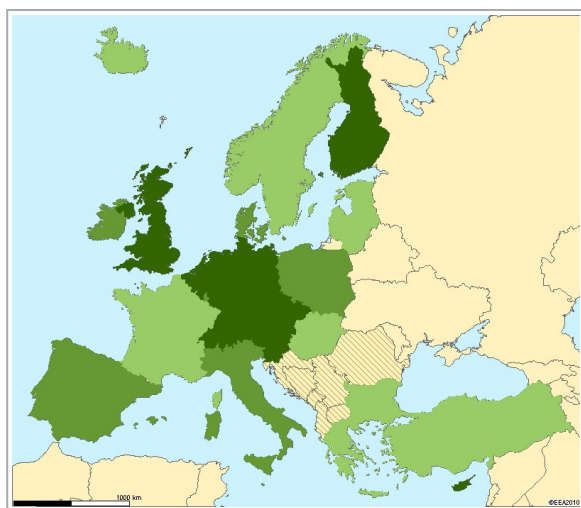
European datasets [Waterbase data](#) published through EEA data service

[EEA core set of indicators](#):

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

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

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



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

8 countries with a score of 2 points: Denmark, Ireland, Italy, Luxembourg, Malta, Poland, Portugal, Spain

12 countries with a score of 1 point: Bulgaria, Estonia, France, Greece, Hungary, Iceland, Latvia, Lithuania, Norway, Slovakia, Sweden, Turkey

No country in this category.

Countries which are not yet participating in this data flow: Albania, Bosnia and Herzegovina, Croatia, Former Yugoslav Republic 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 km². In addition, the overall reliability of the stations should be greater than 80 % in the ozone season.



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



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



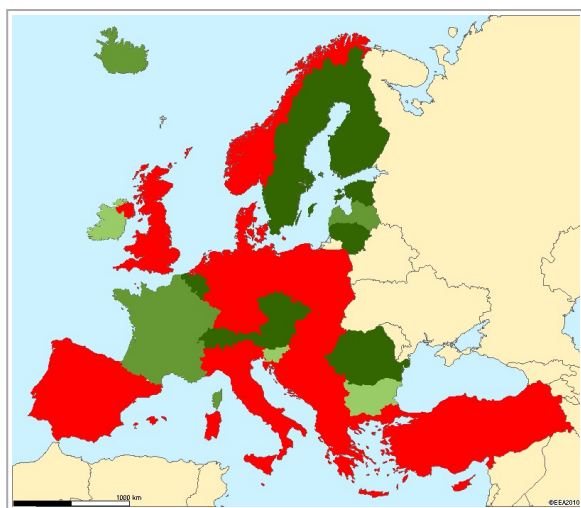
Criteria not applied for this data flow.

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

Note:

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

Overview for data flow WISE1: Water emission quality



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





- 3 countries with a score of 2 points: France, Iceland, Latvia

- 3 countries with a score of 1 point: Bulgaria, Ireland, Slovenia

- 23 countries did not deliver data: Albania, Bosnia and Herzegovina, Cyprus, Germany, Denmark, Spain, United Kingdom, Greece, Croatia, Hungary, Italy, Liechtenstein, Luxembourg, Montenegro, Former Yugoslav Republic of Macedonia, Malta, Netherlands, Norway, Poland, Portugal, Serbia, Slovakia, Turkey

Detailed criteria for scoring

Scoring criteria are based on data deliveries for the current year and the provision of quality data for a variety of sources and determinands. Important for achieving the maximum score is provision of more detailed source of emission data (if not delivered in another reporting or in the test phase last year).











	<ol style="list-style-type: none"> 1. At least two determinands for Nutrients and Organic Matter Emission Discharges from Point Sources (if not delivered in another reporting) 2. At least two determinands for Nutrients and Organic Matter Emission Discharges from Diffuse Sources (if not delivered in the test phase last year) 3. At least one determinand for Hazardous substances Emission Discharges from Point Sources (if not delivered in another reporting) 4a. Emission values for Nutrients and Organic Matter Emission Discharges from Point Sources split at least for Urban and Industrial discharges, or 4b. Emission values for Hazardous Substances Emission Discharges from Point Sources split at least for E-PRTR facilities and non E-PRTR facilities (for EU members only) 5. Timely data delivery to national repository and country feedback to reported data issues
	<ol style="list-style-type: none"> 1. At least two determinands for Nutrients and Organic Matter Emission Discharges from Point Sources (if not delivered in another reporting) 2. At least two determinands for Nutrients and Organic Matter Emission Discharges from Diffuse Sources (if not delivered in the test phase last year) 3. At least one determinand for Hazardous substances Emission Discharges from Point Sources (if not delivered in another reporting) 4. Timely data delivery to national repository and country feedback to reported data issues
	<ol style="list-style-type: none"> 1a. One determinand for Nutrients and Organic Matter Emission Discharges from Point Sources (if not delivered in another reporting), or 1b. One determinand for Nutrients and Organic Matter Emission Discharges from Diffuse Sources (if not delivered in the test phase last year), or 1c. One determinand for Hazardous substances Emission Discharges from Point Sources (if not delivered in another reporting)
	No data delivery under WISE-SoE data collection 2009, no communication, or unusable data delivery.

Regular products [Waterbase data](#) published through EEA data service

Note:

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

Table 2.1 Detailed data flow analysis for Albania

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		No information available in CDR on 17 February 2010.
AE1b: NEC data	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data		No information available in CDR (2/6/2010)
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		No information received by 30 November 2009.
AQ2: Air quality questionnaire	N/A	Participation in the 2009 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 2009 by 20 December.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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, but not in the requested format (old template used). Some long time series available. Hazardous substances data delivered. More than 75% of requested stations identified.
EWN2: Lake quality		Data delivered on time and very soon (1 Jun 2009). Data in different format than requested (old template used) and with quality issues. Data not processed.
EWN3: Groundwater quality		No data delivery under WISE-SoE data collection 2009, no communication.
ME1: Marine data		Data delivered on time and very soon. Data provided on: nutrients in seawater and direct discharge.
NRT03: Near real-time ozone data ¹	N/A	Country did not participate in this data flow.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.

¹ The scores are provided for information only.

Table 2.2 Detailed data flow analysis for Austria

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report provided.
AE1b: NEC data		Full time series from 1990 plus projections (2010, 2015, 2020) delivered on time in CDR. Requested format used. National inventory report provided. Delivery access still limited.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2008) 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 2008. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Historical data provided. Response to feedback report provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 19 zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year.
AQ2b: Monthly and summer ozone data		All monthly reports provided on time to CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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. Some long time series available. Hazardous substances data not delivered. Less than 75% of requested stations identified.
EWN3: Groundwater quality		Data delivered on time and in the requested format. All five requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data ¹		Satisfactory spatial coverage of active stations and highly reliable data provision (93%) during the ozone season.
WISE1: Water emission quality ¹		Data delivered on time. Nutrients and organic matter emission discharges provided for 2 determinands from diffuse sources and 5 determinands from point sources that are split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 55 determinands from point sources that are split for E-PRTR facilities and non E-PRTR facilities.











¹ The scores are provided for information only.

Table 2.3 Detailed data flow analysis for Belgium

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report provided.
AE1b: NEC data		Full time series from 1990 plus projections (2010) delivered on time in CDR. Requested format used. National inventory report not available.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2008) 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 2008. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 19 zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Information on GIS boundaries for all zones and agglomerations still provided as coordinates in excel template rather than as GIS files.
AQ2b: Monthly and summer ozone data		All monthly reports provided on time to CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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 only for Flemish region. Data from Walloon region delivered with substantial delay (23 December 2009). Delivery 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. Less than 75% of requested stations identified.
EWN3: Groundwater quality		Data from the Walloon region delivered on time, for Flemish region with one month delay. Delivery in the requested format. All five requested chemical substances data provided but only two of them in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		Data delivered on time. Data provided on: hazardous substances in biota and seawater, nutrients in seawater and station characteristics.
NRTO3: Near real-time ozone data ¹		Satisfactory spatial coverage of active stations and highly reliable data provision (96%) during the ozone season.
WISE1: Water emission quality ¹		Data delivered on time. Nutrients and organic matter emission discharges provided for 6 determinands from diffuse sources and 7 determinands from point sources that are split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 6 determinands from diffuse sources and 35 determinands from point sources that are not split for E-PRTR facilities and non E-PRTR facilities.

¹ The scores are provided for information only.

Table 2.4 Detailed data flow analysis for Bosnia and Herzegovina

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		No information available in CDR on 17 February 2010.
AE1b: NEC data	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data		No information available in CDR (2/6/2010)
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		Data delivered on time. No data on particulate matter available for 2008. No response to feedback report has yet been provided in CDR.
AQ2: Air quality questionnaire	N/A	Participation in the 2009 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data		Two monthly reports provided on time in CDR but no information in CDR for May, July, August or September. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. No information in CDR by 13 May 2009.
EWN1: River 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.
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 and in the requested format. Four requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. List of GW bodies with most important attributes data provided. GIS data missing.
ME1: Marine data		Data delivered on time. Data provided on: nutrients in seawater, riverine inputs and station characteristics.
NRTO3: Near real-time ozone data ¹	N/A	Country did not participate in this data flow.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.











¹ The scores are provided for information only.

Table 2.5 Detailed data flow analysis for Bulgaria

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. LRTAP/EMEP emission inventory status report not available.
AE1b: NEC data		2007-2008 information provided on time in CDR but no projections provided. Requested format used. No inventory report available.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1988-2008) 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 2008. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. No response to feedback report has yet been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the six zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. 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. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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. Some 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. Less than 75% of requested stations identified.
EWN3: Groundwater quality		Data delivered on time and in the requested format. All five requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		Data delivered on time. Data provided on: nutrients in seawater, direct discharge and station characteristics.
NRTO3: Near real-time ozone data ¹		Highly reliable data provision (91%) during the ozone season but only two stations are reporting so spatial coverage is still low.
WISE1: Water emission quality ¹		Data delivered on time but final corrected version delivered very late (12 January 2010). No spatial units reported, delivery difficult to process. Nutrients and organic matter emission discharges provided only for 3 determinands from point sources that are not split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 4 determinands from point sources that are not split for E-PRTR facilities and non E-PRTR facilities.

¹ The scores are provided for information only.

Table 2.6 Detailed data flow analysis for Croatia

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery with delay in CDR on 18 March 2010.
AE1b: NEC data	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML provided later (2 June 2010).
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		Data delivered within period counted as timely for 2009 evaluation (5 October 2009). Data on particulate matter available for 2008. More than 50% active stations monitoring PM ₁₀ . No response to feedback report has yet been provided in CDR.
AQ2: Air quality questionnaire	N/A	Participation in the 2009 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. August delivered with slight delay (1 October 2009). Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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 shorter time series available. Hazardous substances data delivered. More 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. Less than 75% of requested stations identified.
EWN3: Groundwater quality		No data delivery under WISE-SoE data collection 2009, no communication.
ME1: Marine data		Data delivered on time. Data provided on: hazardous substances in biota and sediment, nutrients in seawater, riverine inputs and station characteristics.
NRTO3: Near real-time ozone data ¹	N/A	Country did not participate in this data flow.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.

¹ The scores are provided for information only.

Table 2.7 Detailed data flow analysis for Cyprus

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report not available.
AE1b: NEC data		2007-2008 information plus projections (2010) provided on time in CDR. Requested format used. No inventory report available.
AE2: UNFCCC data		Complete time series on time in CDR as delivered for EU monitoring mechanism. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2008) delivered with delay (9 February 2010). CRF XML format provided. No inventory report available.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2008 including monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the agglomeration listed in Form 2. Information provided for 4 th Daughter Directive except for benzo(a)pyrene .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. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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 with a slight delay (4 November 2009) and in the requested format. Only shorter and broken 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 and in the requested format. Four requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		Data delivered with a slight delay (3 November 2009). Data provided on: hazardous substances in biota, nutrients in seawater and station characteristics.
NRT03: Near real-time ozone data ¹		Satisfactory spatial coverage and highly reliable data provision (92%) during the ozone season.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.

¹ The scores are provided for information only.

Table 2.8 Detailed data flow analysis for the Czech Republic

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery with delay in CDR on 26 February 2010.
AE1b: NEC data		2007-2008 information plus projections (2010) provided on time in CDR. Requested format used. No inventory report available.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2008) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Short inventory description also provided.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2008. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 16 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. Zone boundaries have changed since previous year; information on GIS boundaries for all zones and agglomerations listed in Form 2 provided in CDR. Reporting template enabled for automated QA was used.
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		No formal dataflow in 2010. Score based on 2009 evaluation. 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 with delay (25 November 2009) and in the requested format. Some long time series available. Hazardous substances data delivered. Almost all requested stations identified.
EWN2: Lake quality	N/A	Country does not have any relevant lake.
EWN3: Groundwater quality		Data delivered with a slight delay (4 November 2009) and in the requested format. All five requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data ¹		Satisfactory spatial coverage of active stations and highly reliable data provision (88%) during the ozone season.
WISE1: Water emission quality ¹		Data delivered with a delay (7 December 2009) but accepted and processed. Nutrients and organic matter emission discharges provided for 2 determinands from diffuse sources and 4 determinands from point sources that are split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 23 determinands from point sources that are split for E-PRTR facilities and non E-PRTR facilities.

¹ The scores are provided for information only.

Table 2.9 Detailed data flow analysis for Denmark

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report provided.
AE1b: NEC data		Time series from 1980 plus projections (2010, 2015, 2020) provided on time in CDR. Old reporting format used. No inventory report available.
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 (1990-2008) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Brief inventory report also provided.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2007. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data not provided for 4 th Daughter Directive pollutants. 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 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the three zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year.
AQ2b: Monthly and summer ozone data		All monthly reports provided on time in CDR. Full summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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		Data delivered with a slight delay (6 November 2009) and in different format than requested (old template used). Some time series available, time series for Nitrate broken. Hazardous substances data not delivered. More than 75% of requested stations identified.
EWN2: Lake quality		Data delivered with a slight delay (6 November 2009) and in the requested format but only water quality data delivered. Some long time series available. Hazardous substances data not delivered. More than 75% of requested stations identified.
EWN3: Groundwater quality		Data delivered with a delay (18 November 2009) but in the requested format and containing major amount of data. All five requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		Data made available through ICES. Data provided on: hazardous substances in biota and sediment.
NRT03: Near real-time ozone data ¹		Satisfactory spatial coverage and reliable data provision (78%) during the ozone season.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.

¹ The scores are provided for information only.

Table 2.10 Detailed data flow analysis for Estonia

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report provided.
AE1b: NEC data		Time series from 1990 plus projections (2010, 2015) provided on time in CDR. Requested format used. No inventory report available.
AE2: UNFCCC data		Complete time series on time in CDR. Updated national inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2008) delivered in CDR with short delay (20 January 2010). CRF XML format provided. Draft inventory report also provided.
AQ1: EoI data		Data delivered within period counted as timely for 2009 evaluation (13 October 2009). Data on particulate matter available for 2008. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the four zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment of . 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 on time. Summer report delivered on time. EoI codes provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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 and in the requested format. Four requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		Data delivered on time. Data provided on: hazardous substances in biota, nutrients in seawater, riverine inputs, direct discharge and station characteristics.
NRTO3: Near real-time ozone data ¹		Highly reliable data provision (81%) during the ozone season but only two stations are reporting so spatial coverage is still low.
WISE1: Water emission quality ¹		Data delivered on time. Nutrients and organic matter emission discharges provided for 6 determinands from point sources that are split for Urban and Industrial discharges, data from diffuse sources delivered in 2008. Hazardous substances emission discharges provided for 7 determinands from point sources that are not split for E-PRTR facilities and non E-PRTR facilities.










¹ The scores are provided for information only.

Table 2.11 Detailed data flow analysis for Finland

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report provided.
AE1b: NEC data		Time series from 1980 provided plus projections (2020, 2050) on time in CDR. Requested format used for years 2007 and 2008. Inventory report available.
AE2: UNFCCC data		Complete time series on time in CDR. Updated national inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2008) delivered on time in CDR for all gases in the criteria. CRF format provided. Draft inventory report also provided.
AQ1: EoI data		Data delivered with delay (14 December). Data on particulate matter available for 2008. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data not provided for 4 th Daughter Directive pollutants. Response to feedback report has not been provided in CDR.
AQ2: Air quality questionnaire		Data delivered with delay (5 November 2009). Forms 8 and 9 contain information on whether 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 18 zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year.
AQ2b: Monthly and summer ozone data		All monthly reports provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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 with a very slight delay (2 November 2009) and in the requested format. Long time series available. Hazardous substances data delivered. More 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 and in the requested format. Four requested chemical substances data provided but none in disaggregated form. List of GW bodies with most important attributes data provided. GIS data missing.
ME1: Marine data		Data made available through ICES. Data provided on: nutrients in seawater.
NRTO3: Near real-time ozone data ¹		Satisfactory spatial coverage and highly reliable data provision (88%) during the ozone season.
WISE1: Water emission quality ¹		Data delivered with a delay (22 December 2009) but accepted and processed. Nutrients and organic matter emission discharges provided for 2 determinands from diffuse sources and 4 determinands from point sources that are split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 6 determinands from point sources that are not split for E-PRTR facilities and non E-PRTR facilities.

¹ The scores are provided for information only.

Table 2.12 Detailed data flow analysis for the Former Yugoslav Republic of Macedonia

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. LRTAP/EMEP informative inventory report provided.
AE1b: NEC data	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data		Partial time series (1990-2002) delivered on time in CDR. XML format not available.
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2008. More than 50% active stations monitoring PM ₁₀ . Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire	N/A	Participation in the 2009 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		No formal dataflow in 2010. Score based on 2009 evaluation. 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 or shorter 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. Hazardous substances data not delivered. Less than 75% of requested stations identified.
EWN3: Groundwater quality		Data delivered on time and in the requested format. None of the five requested chemical substances data provided. Monitoring sites with coordinates and links to GW bodies provided. List of GW bodies with most important attributes data provided. GIS data missing.
ME1: Marine data	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data ¹	N/A	Country did not participate in this data flow.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.

¹ The scores are provided for information only.

Table 2.13 Detailed data flow analysis for France

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report provided.
AE1b: NEC data		Full time series from 1980 plus projections (2010, 2020) delivered on time in CDR. Requested format used. Inventory report not available.
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 (1990-2008) delivered on time for all gases in the criteria. CRF XML format provided. Brief inventory report provided
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2008. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data not provided for 4 th Daughter Directive pollutants. 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 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 81 zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. No declaration on whether zone boundaries have changed. Coordinates for a number of zones available in excel template.
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		No formal dataflow in 2010. Score based on 2009 evaluation. 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 not delivered. Less than 75% of requested stations identified.
EWN2: Lake quality		Only station information delivered under WISE-SoE data collection 2009.
EWN3: Groundwater quality		Data delivered on time and in the requested format. All five requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		Data delivered on time. Data provided on: hazardous substances in biota and sediment, nutrients in seawater and station characteristics.
NRTO3: Near real-time ozone data ¹		Highly reliable data provision (83%) during the ozone season but only 31 stations are reporting so spatial coverage is still low.
WISE1: Water emission quality ¹		Data delivered on time. Nutrients and organic matter emission discharges provided for 1 determinand from diffuse sources and 7 determinands from point sources that are split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 44 determinands from point sources that are not split for E-PRTR facilities and non E-PRTR facilities.

¹ The scores are provided for information only.

Table 2.14 Detailed data flow analysis for Germany

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. Emission inventory report provided.
AE1b: NEC data		Time series from 1990 plus projections (2010, 2015) provided on time in CDR. Requested format used. Inventory report available.
AE2: UNFCCC data		Complete time series on time in CDR. Updated national inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2008) 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 2008. 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Significant provision of historical data. 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 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 111 zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Information on GIS boundaries for 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 except for new station DEBB083
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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		Data delivered on time and in the requested format. Long time series available. Hazardous substances data delivered. More 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. Less than 75% of requested stations identified.
EWN3: Groundwater quality		Data delivered on time and in the requested format. All five requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		Data made available through ICES. Data provided on: hazardous substances in biota and sediment, nutrients in seawater.
NRTO3: Near real-time ozone data ¹		Satisfactory spatial coverage of active stations and highly reliable data provision (96%) during the ozone season.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.














¹ The scores are provided for information only.

Table 2.15 Detailed data flow analysis for Greece

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Partial delivery on time in CDR. LRTAP/EMEP emission inventory status report not available.
AE1b: NEC data		Data delivered to CDR with delay (15 January 2010). Information for 2007 and 2008 plus projections (2010) provided in requested format. Inventory report not available.
AE2: UNFCCC data		Complete time series in CDR. Updated national inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2008) delivered on time. CRF XML format provided. Inventory report provided.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2008. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data not provided for 4 th Daughter Directive pollutants. 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 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the four zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment but again with a different country code and in some cases format. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year.
AQ2b: Monthly and summer ozone data		All monthly reports provided on time in CDR. Summer report delivered on time. Requested metadata provided but changes made to EoI code.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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 2009.
EWN2: Lake quality		No data delivery under WISE-SoE data collection 2009, no communication.
EWN3: Groundwater quality		No data delivery under WISE-SoE data collection 2009, no communication.
ME1: Marine data		No data delivery under WISE-SoE data collection 2009.
NRTO3: Near real-time ozone data ¹		Data provided during the ozone season with 59% reliability.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.












¹ The scores are provided for information only.

Table 2.16 Detailed data flow analysis for Hungary

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery with a slight delay 22 February 2010.
AE1b: NEC data		Data delivered to CDR with delay (5 January 2010). Information for 2008 provided in old format. No data provided for 2007 nor for projections. Inventory report not available.
AE2: UNFCCC data		Information provided to CDR (15/May 2010) and to UNFCCC (25 May 2010).
AE2b: EU GHG data		Full time series (1985-2008) delivered in CDR with delay (29 January 2010). CRF XML format provided. Draft inventory report also provided. SEF information provided on 15 January 2010.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2008. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 11 zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year.
AQ2b: Monthly and summer ozone data		All monthly reports provided on time in CDR. Summer report delivered on time. EoI codes provided for all stations.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. No information in CDR by 13 May 2009.
EWN1: River quality		No data delivery under WISE-SoE data collection 2009.
EWN2: Lake quality		No data delivery under WISE-SoE data collection 2009.
EWN3: Groundwater quality		No new or updated data delivery under WISE-SoE data collection 2009.
ME1: Marine data	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data ¹		Highly reliable data provision (92%) during the ozone season but spatial coverage of active stations not yet sufficient.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.

¹ The scores are provided for information only.

Table 2.17 Detailed data flow analysis for Iceland

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		No information available in CDR on 17 February 2010.
AE1b: NEC data	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data		Complete time series on time in CDR. CRF XML format provided. National inventory report not available.
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		Data delivered with delay (10 December 2009). Data on particulate matter available for 2008. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data not provided for 4 th Daughter Directive pollutants.
AQ2: Air quality questionnaire	N/A	Participation in the 2009 data flow is voluntary for countries which are not EU Member States. However Iceland regularly provides information.
AQ2b: Monthly and summer ozone data		Five monthly reports provided on time in CDR. June delivered with delay (28 August 2009). Full summer report delivered with delay (24 November 2009). Requested metadata provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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. More than 75% of requested stations identified.
EWN2: Lake quality		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 and in the requested format. Three requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. List of GW bodies with most important attributes data provided. GIS data missing.
ME1: Marine data		No data delivery under WISE-SoE data collection 2009.
NRTO3: Near real-time ozone data ¹		Highly reliable data provision (95%) during the ozone season but spatial coverage of active stations not yet sufficient.
WISE1: Water emission quality ¹		Data delivered on time. Nutrients and organic matter emission discharges provided for 2 determinands from diffuse sources and 2 determinands from point sources that are split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 0 determinands.















¹ The scores are provided for information only.

Table 2.18 Detailed data flow analysis for Ireland

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report provided.
AE1b: NEC data		Time series from 1990 plus projections (2010) provided on time in CDR. Requested format used. Inventory report not available.
AE2: UNFCCC data		Complete time series on time in CDR. CRF XML format provided. National inventory report provided.
AE2b: EU GHG data		Full time series (1990-2008) 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 2008. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the four zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year.
AQ2b: Monthly and summer ozone data		All monthly reports provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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 and in the requested format. All five requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		Data delivered with a very substantial delay (5 March 2010). Delivery was not processed.
NRTO3: Near real-time ozone data ¹		Satisfactory spatial coverage and reliable data provision (79%) during the ozone season.
WISE1: Water emission quality ¹		Provided point source emissions from E-PRTR industrial and wastewater facilities and communicated that to the EEA. However, no reporting was made under the official emissions reporting procedure.

¹ The scores are provided for information only.

Table 2.19 Detailed data flow analysis for Italy

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		No information available on national server on 17 February 2010.
AE1b: NEC data		Data delivered to national server with delay (5 January 2010). Information for 2007 and 2008 provided in old format. Inventory report not available.
AE2: UNFCCC data		Complete time series on time on national server. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Time series information provided in national repository with delay 12 March 2010. SEF information available from 15 January 2010.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2008. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report is not available.
AQ2: Air quality questionnaire		Data from the regions has not been aggregated into a national delivery. Two regions were delivered on time. 16 regions were delivered with delay (20 October 2009) and (16 November). Four regions are not available on the national server (20 January 2010).
AQ2b: Monthly and summer ozone data		Monthly reports all available on time in national repository. Summer ozone report provided with slight delay (6 November). EoI codes not provided. Partial metadata provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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. Hazardous substances data delivered. Less than 75% of requested stations identified.
EWN2: Lake quality		Data delivered with a slight delay (4 November 2009) and in the requested format. Some long time series available. Hazardous substances data delivered. All requested stations identified.
EWN3: Groundwater quality		No data delivery under WISE-SoE data collection 2009.
ME1: Marine data		No data delivery under WISE-SoE data collection 2009.
NRTO3: Near real-time ozone data ¹		Satisfactory spatial coverage of active stations and reliable data provision (63%) during the ozone season.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.










¹ The scores are provided for information only.

Table 2.20 Detailed data flow analysis for Latvia

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report not available.
AE1b: NEC data		Time series from 1990 delivered to CDR on time in requested format. Projections (2010) provided. No inventory report available.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2008) 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 2008. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Historical data provided. 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 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the two zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year.
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		No formal dataflow in 2010. Score based on 2009 evaluation. 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 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. Less than 75% of requested stations identified.
EWN3: Groundwater quality		Data delivered on time and in the requested format. Four requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		Data delivered with a slight delay (10 November 2009). Data provided on: nutrients in seawater and station characteristics.
NRTO3: Near real-time ozone data ¹		Highly reliable data provision (99%) during the ozone season but only one station is reporting so spatial coverage is still low.
WISE1: Water emission quality ¹		Data delivered on time. Nutrients and organic matter emission discharges provided for 0 determinands from diffuse sources and 7 determinands from point sources that are split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 6 determinands from point sources that are split for E-PRTR facilities and non E-PRTR facilities.















¹ The scores are provided for information only.

Table 2.21 Detailed data flow analysis for Liechtenstein

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. LRTAP/EMEP emission inventory status report not available. All files have restricted access.
AE1b: NEC data	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data		Information has been provided to UNFCCC on time and later uploaded to CDR (2 June 2010).
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2008 for the Liechtenstein station. Response to feedback report not expected.
AQ2: Air quality questionnaire	N/A	Participation in the 2009 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		No formal dataflow in 2010. Score based on 2009 evaluation. Delivery on time: 40 sites. 100% have required information. Boundary data provided for all sites.
EWN1: River 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.
EWN2: Lake quality	N/A	Country does not have any relevant lake.
EWN3: Groundwater quality		Data delivered with a substantial delay (21 December 2009) and in the requested format. Two of five requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. List of GW bodies with most important attributes data provided. GIS data missing.
ME1: Marine data	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data ¹		Satisfactory spatial coverage and highly reliable data provision (88%) during the ozone season.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.













¹ The scores are provided for information only.

Table 2.22 Detailed data flow analysis for Lithuania

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery with a slight delay 23 February 2010.
AE1b: NEC data		2007-2008 information plus projections (2010) delivered to CDR on time but in old format. Inventory report not available.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided. (Envelope not complete).
AE2b: EU GHG data		Full time series (1990-2008) 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 2008. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report available in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the three zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year.
AQ2b: Monthly and summer ozone data		All monthly reports provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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. Less than 75% of requested stations identified.
EWN3: Groundwater quality		Data delivered on time and in the requested format. Four requested chemical substances data provided. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		Data delivered on time. Data provided on: hazardous substances in biota, sediment and seawater, nutrients in seawater and station characteristics.
NRTO3: Near real-time ozone data ¹		Highly reliable data provision (90%) during the ozone season but only three stations are reporting so spatial coverage is still low.
WISE1: Water emission quality ¹		Data delivered on time. Nutrients and organic matter emission discharges provided for 7 determinands from point sources that are split for Urban and Industrial discharges, data from diffuse sources delivered in 2008. Hazardous substances emission discharges provided for 6 determinands from point sources that are not split for E-PRTR facilities and non E-PRTR facilities.














¹ The scores are provided for information only.

Table 2.23 Detailed data flow analysis for Luxembourg

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		No information available in CDR on 17 February 2010.
AE1b: NEC data		2008 information delivered to CDR on time in requested format. No information provided for 2007 nor for projections. Inventory report not available.
AE2: UNFCCC data		Complete time series on time in CDR. CRF XML format provided. National inventory report not available.
AE2b: EU GHG data		Full time series (1990-2008) delivered with delay in CDR for all gases (6 February 2009).
AQ1: EoI data		Data delivered with delay (9 November 2009). Data on particulate matter available for 2008. 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report available in CDR.
AQ2: Air quality questionnaire		Data delivered with delay (5 November 2009). Forms 8 and 9 contain information on whether 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the three zones listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year.
AQ2b: Monthly and summer ozone data		Four monthly reports provided on time in CDR. August and September delivered with delay (18 November 2009). Summer report delivered with delay (18 November 2009). Requested metadata provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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 time series available. Hazardous substances data delivered. All requested stations identified.
EWN2: Lake quality	N/A	Country does not have any relevant lake.
EWN3: Groundwater quality		Data delivered on time and in the requested format. Three of five requested chemical substances data provided but none in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data ¹		Satisfactory spatial coverage and reliable data provision (71%) during the ozone season.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.











¹ The scores are provided for information only.

Table 2.24 Detailed data flow analysis for Malta

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Partial time series (2000-2008) provided on time in CDR. LRTAP/EMEP emission inventory status report not available.
AE1b: NEC data		2000-2008 information plus projections (2010) delivered to CDR with delay (5 January 2010). Requested format used. No inventory report provided.
AE2: UNFCCC data		Complete time series on time in CDR as delivered for EU monitoring mechanism. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2008) delivered in CDR with delay (19 January 2010).
AQ1: EoI data		Data delivered with delay (15 December 2009). Data on particulate matter available for 2008. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report available in CDR but original delivery no longer present in CDR.
AQ2: Air quality questionnaire		Data delivered with delay (22 February 2010).
AQ2b: Monthly and summer ozone data		All monthly reports provided on time in CDR. Summer report delivered on time. Requested metadata available.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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	Not applicable.
EWN2: Lake quality		No data delivery under WISE-SoE data collection 2009.
EWN3: Groundwater quality		No data delivery under WISE-SoE data collection 2009.
ME1: Marine data		No data delivery under WISE-SoE data collection 2009.
NRTO3: Near real-time ozone data ¹		Satisfactory spatial coverage and reliable data provision (70%) during the ozone season.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.















¹ The scores are provided for information only.

Table 2.25 Detailed data flow analysis for Montenegro

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Informative inventory report now available for previously delivered 2006 inventory data.
AE1b: NEC data	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data		No information available in CDR (2/6/2010)
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		No information received in Central Data Repository by 30 November 2009.
AQ2: Air quality questionnaire	N/A	Participation in the 2009 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 2009 by 20 December.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. No information in CDR by 13 May 2009.
EWN1: River quality		No data delivery under WISE-SoE data collection 2009.
EWN2: Lake quality		No data delivery under WISE-SoE data collection 2009.
EWN3: Groundwater quality		No data delivery under WISE-SoE data collection 2009, no communication.
ME1: Marine data		No data delivery under WISE-SoE data collection 2009.
NRTO3: Near real-time ozone data ¹	N/A	Country did not participate in this data flow.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.

¹ The scores are provided for information only.

Table 2.26 Detailed data flow analysis for the Netherlands

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report not available but explanatory delivery notes provided.
AE1b: NEC data		Information for 2007 and 2008 plus projections (2010, 2015, 2020) for all pollutants delivered on time in CDR. Requested format used. National inventory report provided.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2008) 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 2008. More than 50% active stations monitoring PM ₁₀ . Plus monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time to Central Data Repository. Forms 8 and 9 contain information on whether 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the nine zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. 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. EoI codes provided for all stations. Summer report delivered on time but missing summary of information threshold exceedances. These were available from the monthly report.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. No information in CDR by 13 May 2009.
EWN1: River quality		Data delivered with a delay (19 November 2009) and in the requested format. Long but broken time series available. Hazardous substances data delivered. More than 75% of requested stations identified.
EWN2: Lake quality		Data delivered with a delay (16 November 2009) 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 not delivered in the requested format and delivery not released on time. Delivery not processed.
ME1: Marine data		Data delivered on time. Data provided on: hazardous substances in biota, sediment and seawater, nutrients in seawater and station characteristics.
NRTO3: Near real-time ozone data ¹		Satisfactory spatial coverage of active stations and highly reliable data provision (87%) during the ozone season.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.















¹ The scores are provided for information only.

Table 2.27 Detailed data flow analysis for Norway

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. Emission inventory report provided.
AE1b: NEC data	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2008. More than 50% active stations monitoring PM ₁₀ . Plus monitoring of smaller particulates. Data provided for one C Response to feedback report has been provided in CDR.
AQ2: Air quality questionnaire		Questionnaire delivered on time to Central Data Repository. Forms 8 and 9 contain information (except for lead) on whether 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the seven zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year.
AQ2b: Monthly and summer ozone data		Five monthly reports provided on time in CDR. No report for September 2009. Summer report delivered with delay (26 November 2009). Requested metadata provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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 (5 November 2009) and not in the requested format (old template used). Long time series available. Hazardous substances data delivered. More than 75% of requested stations identified.
EWN2: Lake quality		Data delivered with a very slight delay (2 November 2009) and not in the requested format (old template used). Some long time series available. Hazardous substances data delivered. More than 75% of requested stations identified.
EWN3: Groundwater quality		Data delivered with a slight delay (2 November 2009) and in the requested format. Three requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. List of GW bodies with most important attributes data provided. GIS data missing.
ME1: Marine data		Data delivered with a slight delay (9 November 2009). Data provided on: hazardous substances in biota and sediment, nutrients in seawater.
NRTO3: Near real-time ozone data ¹		Highly reliable data provision (93%) during the ozone season but spatial coverage of active stations not yet sufficient.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.

¹ The scores are provided for information only.

Table 2.28 Detailed data flow analysis for Poland

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Partial time series (2008 and updated 2007) delivered on time in CDR. Emission inventory report provided.
AE1b: NEC data		Information for 2007 and 2008 plus projections (2010) for all pollutants delivered on time in CDR. Requested format used. National inventory report provided.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2008) delivered in CDR with delay (20 January 2010).
AQ1: EoI data		Data delivered on time but replaced by a delivery (20 October 2009). Data on particulate matter available for 2008. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report 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 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 186 zones and agglomerations listed in Form 2. EoI codes provided in Forms 3 and in Form 4. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year.
AQ2b: Monthly and summer ozone data		All monthly reports provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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. More 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 not delivered. Less than 75% of requested stations identified.
EWN3: Groundwater quality		Data delivered with a very substantial delay (28 April 2010). Delivery not processed.
ME1: Marine data		Data delivered on time. Data provided on: hazardous substances in biota, sediment and seawater, nutrients in seawater and station characteristics.
NRTO3: Near real-time ozone data ¹		Satisfactory spatial coverage and reliable data provision (71%) during the ozone season.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.














¹ The scores are provided for information only.

Table 2.29 Detailed data flow analysis for Portugal

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory report provided later.
AE1b: NEC data		Full time series from 1990 for all pollutants delivered on time to CDR. Old version of reporting format used. No inventory report available.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2008) 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 2008. More than 50% active stations monitoring PM ₁₀ 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 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 34 zones and agglomerations listed in Form 2. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Additional report on pollution by natural events provided. Declaration that zone boundaries have been changed but no information provided in CDR.
AQ2b: Monthly and summer ozone data		Five monthly reports provided on time in CDR, September delivered with delay (2 November 2009). Summer report delivered on time. EoI codes provided for previously reported stations and requested metadata for one additional station.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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 short time series available. 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. Less than 75% of requested stations identified.
EWN3: Groundwater quality		Data delivered with a delay (18 November 2009) but in the requested format. Four requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		No data delivery under WISE-SoE data collection 2009.
NRT03: Near real-time ozone data ¹		Satisfactory spatial coverage of active stations and reliable data provision (63%) during the ozone season.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.










¹ The scores are provided for information only.

Table 2.30 Detailed data flow analysis for Romania

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Partial time series (2008 and updated 2007) delivered on time in CDR. LRTAP/EMEP emission inventory status report available.
AE1b: NEC data		2007-2008 information plus projections (2010, 2015, 2020, 2030) delivered on time to CDR. Requested format used. Inventory report not available.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1989-2008) 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 2008; PM ₁₀ plus some monitoring of smaller particulates. Data provided for one of 4 th Daughter Directive pollutants. Response to feedback report on this delivery is available.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2008 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. Limited information (cadmium) provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Declaration provided that boundary information has not changed from previous year.
AQ2b: Monthly and summer ozone data		All monthly reports provided on time in CDR. Summer report delivered on time but included in same envelope as September monthly report. Requested metadata provided for stations.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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 with a slight delay (2 November 2009) and in the requested format. Only shorter time series available. Hazardous substances data delivered. More 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. Less than 75% of requested stations identified.
EWN3: Groundwater quality		Data delivered on time and in the requested format. Four requested chemical substances data provided but none in disaggregated form. List of GW bodies with most important attributes data provided. GIS data missing.
ME1: Marine data		Data delivered with a very substantial delay (1 March 2010). Delivery was not processed.
NRTO3: Near real-time ozone data ¹	N/A	Country did not participate in this data flow.
WISE1: Water emission quality ¹		Data delivered on time. Nutrients and organic matter emission discharges provided for 2 determinands from diffuse sources and 7 determinands from point sources that are split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 7 determinands from point sources that are not split for E-PRTR facilities and non E-PRTR facilities.














¹ The scores are provided for information only.

Table 2.31 Detailed data flow analysis for Serbia

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Partial time series (2008) delivered on time in CDR. LRTAP/EMEP emission inventory status report not available.
AE1b: NEC data	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data		No information available in CDR (2/6/2010)
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2008. More than 50% active stations monitoring PM ₁₀ or black smoke (BS). Response to feedback report on this delivery is available.
AQ2: Air quality questionnaire	N/A	Participation in the 2009 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		No formal dataflow in 2010. Score based on 2009 evaluation. 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 shorter 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. All requested stations identified.
EWN3: Groundwater quality		Data delivered on time and in the requested format. Four requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. List of GW bodies with most important attributes data provided. GIS data missing.
ME1: Marine data	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data ¹	N/A	Country did not participate in this data flow.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.

¹ The scores are provided for information only.

Table 2.32 Detailed data flow analysis for Slovakia

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. Emission inventory report provided. Images of gridded emissions available.
AE1b: NEC data		2000-2008 information plus projections (2010, 2015, 2020, 2030, 2050) delivered to CDR on time. Requested format used. Inventory report provided.
AE2: UNFCCC data		Complete time series on time in CDR. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2008) 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 2008. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report on this delivery is available but in draft format.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 11 zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. 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 reports were not released from draft status (June and July 2009). Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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 on time and in the requested format. Some 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. More than 75% of requested stations identified.
EWN3: Groundwater quality		Data delivered on time and in the requested format. All five requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data ¹		Data provided during the ozone season with 42% reliability.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.

¹ The scores are provided for information only.

Table 2.33 Detailed data flow analysis for Slovenia

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report not available.
AE1b: NEC data		2007-2008 information plus projections (2010, 2015, 2020) delivered on time to CDR. Requested format used. No Inventory report provided.
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 (1986-2008) 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 2008. 50% active stations monitoring PM ₁₀ . Historical data provided. Response to feedback report on this delivery is available.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 12 zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Information on GIS boundaries for all zones and agglomerations listed as codes for administrative units (LAU) in Form 2.
AQ2b: Monthly and summer ozone data		All monthly reports provided on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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 but only water quality data delivered. Long time series available.
EWN3: Groundwater quality		Data delivered on time and in the requested format. Four requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		Data delivered on time. Data provided on: nutrients in seawater.
NRTO3: Near real-time ozone data ¹		Satisfactory spatial coverage of active stations and highly reliable data provision (83%) during the ozone season.
WISE1: Water emission quality ¹		Data delivered with a very substantial delay. Data was not processed.

¹ The scores are provided for information only.

Table 2.34 Detailed data flow analysis for Spain

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report available.
AE1b: NEC data		Full time series from 1990 plus projections (2010, 2015, 2020) delivered on time to CDR. Requested reporting format not used. Inventory report provided.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report and CRF XML format available.
AE2b: EU GHG data		Full time series (1990-2008) delivered on time in CDR for all gases in the criteria. CRF XML format provided. Short inventory report provided later.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2008. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data provided for 4 th Daughter Directive pollutants. Response to feedback report on this delivery is available.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 153 zones and agglomerations listed in Form 2. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. 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 on time in CDR. Summer report delivered on time. Requested metadata provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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		Data delivered on time and in the requested format. Some long time series available. Hazardous substances data not delivered. All requested stations identified.
EWN3: Groundwater quality		Data delivered on time and in the requested format. Four of five requested chemical substances data provided but none in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		No data delivery under WISE-SoE data collection 2009.
NRTO3: Near real-time ozone data ¹		Satisfactory spatial coverage of active stations and reliable data provision (75%) during the ozone season.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.











¹ The scores are provided for information only.

Table 2.35 Detailed data flow analysis for Sweden

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report available. Emission inventory report also provided.
AE1b: NEC data		1980-2008 information plus projections (2010, 2015, 2020) delivered on time to CDR. Requested format used for data from 1990. Inventory report available.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2008) 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 2008. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Historical data provided. Response to feedback report on this delivery is available.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the six zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Information on GIS boundaries for all zones and agglomerations listed as codes for administrative units (LAU) in Form 2.
AQ2b: Monthly and summer ozone data		All monthly reports provided on time in CDR. Summer report delivered. Requested metadata provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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. More 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. Less than 75% of requested stations identified.
EWN3: Groundwater quality		Data delivered on time and in the requested format. Three requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
ME1: Marine data		Data delivered on time. Data provided on: hazardous substances in biota, nutrients in seawater, riverine inputs, direct discharge and station characteristics.
NRTO3: Near real-time ozone data ¹		Highly reliable data provision (97%) during the ozone season but spatial coverage of active stations not yet sufficient.
WISE1: Water emission quality ¹		Data delivered on time. Nutrients and organic matter emission discharges provided for 2 determinands from diffuse sources and 2 determinands from point sources that are split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 4 determinands from diffuse sources and 4 determinands from point sources that are not split for E-PRTR facilities and non E-PRTR facilities.












¹ The scores are provided for information only.

Table 2.36 Detailed data flow analysis for Switzerland

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report not available.
AE1b: NEC data	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data		Complete time series on time in CDR. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		Data delivered on time. Data on particulate matter available for 2008. More than 50% active stations monitoring PM ₁₀ . Historical data provided. Response to feedback report on this delivery is available in CDR.
AQ2: Air quality questionnaire	N/A	Switzerland provided information for the first time in 2009. This 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 for summer report.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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. More 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 and in the requested format. All five requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. List of GW bodies with most important attributes data provided. GIS data missing.
ME1: Marine data	N/A	Country does not have a coastline.
NRTO3: Near real-time ozone data ¹		Satisfactory spatial coverage of active stations and highly reliable data provision (84%) during the ozone season.
WISE1: Water emission quality ¹		Data delivered on time. Nutrients and organic matter emission discharges provided for 5 determinands from diffuse sources and 4 determinands from point sources that are split for Urban and Industrial discharges. Hazardous substances emission discharges provided for 60 determinands from diffuse sources and 24 determinands from point sources that are split for E-PRTR facilities and non E-PRTR facilities.

¹ The scores are provided for information only.

Table 2.37 Detailed data flow analysis for Turkey

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		No information available in CDR on 17 February 2010.
AE1b: NEC data	N/A	Data flow is relevant for EU MS countries only.
AE2: UNFCCC data		Complete time series on time in CDR. CRF XML format provided. National inventory report not available in CDR but provided to UNFCCC.
AE2b: EU GHG data	N/A	Data flow is relevant for EU MS countries only.
AQ1: EoI data		Data delivered within period counted as timely for 2009 evaluation (26 October 2009). Data on particulate matter available for 2008. More than 50% active stations monitoring PM ₁₀ . Response to feedback report on this delivery is not yet available in CDR.
AQ2: Air quality questionnaire	N/A	Participation in the 2009 data flow is voluntary for countries which are not EU Member States.
AQ2b: Monthly and summer ozone data		All monthly reports provided in CDR but two were delayed (June and August 2009). No summer report provided.
CDDA1: Designated areas		No formal dataflow in 2010. Score based on 2009 evaluation. 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 for Nitrate available. Hazardous substances data not delivered. None of requested stations identified.
EWN2: Lake quality		Data delivered on time and in the requested format but only water quality data delivered and only short time series available.
EWN3: Groundwater quality		Data delivered on time and in the requested format. Four requested chemical substances data provided in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. List of GW bodies with most important attributes data provided. GIS data missing.
ME1: Marine data		Data delivered on time. Data provided on: hazardous substances in sediment, nutrients in seawater and station characteristics.
NRTO3: Near real-time ozone data ¹		Automisation would improve timelag in data provision and reliability (58%). Spatial coverage of active stations is not yet sufficient.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.

¹ The scores are provided for information only.

Table 2.38 Detailed data flow analysis for the United Kingdom

Data flow name	Progress 2009-2010	Remark
AE1: LRTAP data		Delivery on time in CDR. Requested length of time series provided for criteria pollutants. LRTAP/EMEP emission inventory status report not available.
AE1b: NEC data		2004 -2008 information plus projections (2010) delivered to CDR on time. Requested format used. No inventory report provided.
AE2: UNFCCC data		Complete time series on time in CDR. Geographical coverage is UK plus crown dependencies and relevant overseas territories. National inventory report provided. CRF XML format provided.
AE2b: EU GHG data		Full time series (1990-2008) 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 2008. More than 50% active stations monitoring PM ₁₀ plus some monitoring of smaller particulates. Data provided for one of 4 th Daughter Directive pollutants. Historical data provided. Response to feedback report on this delivery is available.
AQ2: Air quality questionnaire		Questionnaire delivered on time in CDR. Forms 8 and 9 contain information on whether 2008 pollutant levels exceeded or did not exceed the values specified in the air quality legislation for the 43 zones and agglomerations listed in Form 2. Information provided for 4 th Daughter Directive. EoI codes provided in Forms 3 and 4 for stations used in the assessment. Station type provided in Form 4. Information on GIS boundaries for all zones and agglomerations listed in Form 2 provided in CDR.
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		No formal dataflow in 2010. Score based on 2009 evaluation. 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		Data delivered with a very substantial delay (2 February 2010) and in the requested format. Long time series available. Hazardous substances data delivered. More than 75% of requested stations identified.
EWN2: Lake quality		Data delivered with a very substantial delay (1 February 2010). Data was not processed.
EWN3: Groundwater quality		Data delivered with a very substantial delay (February - March 2010).
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 ¹		Satisfactory spatial coverage of active stations and highly reliable data provision (95%) during the ozone season.
WISE1: Water emission quality ¹		No data delivery under WISE-SoE data collection 2009.

¹ The scores are provided for information only.



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