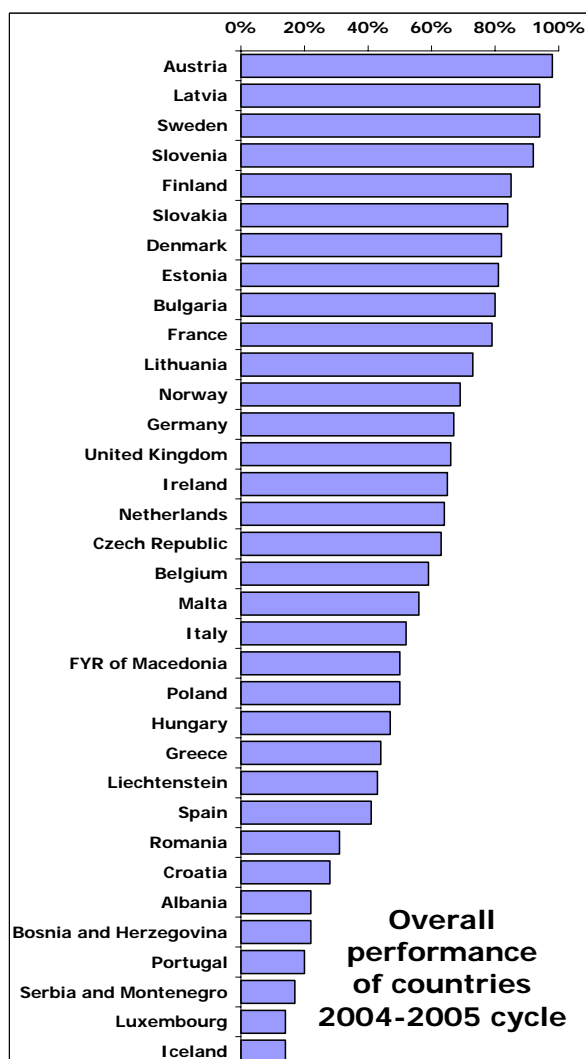


# Eionet priority data flows May 2004 – April 2005

## Eighth progress report to the EEA Management Board

prepared by  
**Sheila Cryan and Hermann Peifer**  
EEA, Copenhagen – September 2005



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## Foreword by the Executive Director

Dear Colleagues,

I would like to present the eighth 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 focus their resources on putting regular reporting procedures in place.

Progress has been assessed in 12 priority areas. This is the same thematic scope as last year. And again two of the data flows have been subdivided according to the relevant reporting obligations so that the assessment is more transparent. Information on two additional data flows (Corine Land Cover 2000 and Contaminated soil) has again been provided but not included in the assessment of progress. Most data flows now cover 34 countries – see country performance analysis on page 3 – a substantially broader geographical coverage than in other ranking exercises and an aspect, which we think is a key added value of the EEA/Eionet collaboration. Cyprus, and Switzerland have again participated in selected data flows.

My congratulations to Austria for the best performance once again in 2004. Latvia, Sweden and Slovenia have also done well again and they are joined at the top by Finland and Slovakia. The number of countries with scores above 80% has risen from seven to nine. However the overall trend is less encouraging than in previous years. The number of countries with scores above 70% has dropped from 16 to 11 and the number of countries with scores of less than 50% has risen from six to eight (excluding the two countries participating for the first time). This means that 25% of European countries are not well reflected in the data available to EEA for its assessments. Countries that are having difficulties with specific data flows are encouraged to discuss their problems with the Agency. Provision of high quality data by Eionet is fundamental for EEA's mission to provide timely, targeted, relevant and reliable information to policy-making agents and the public.

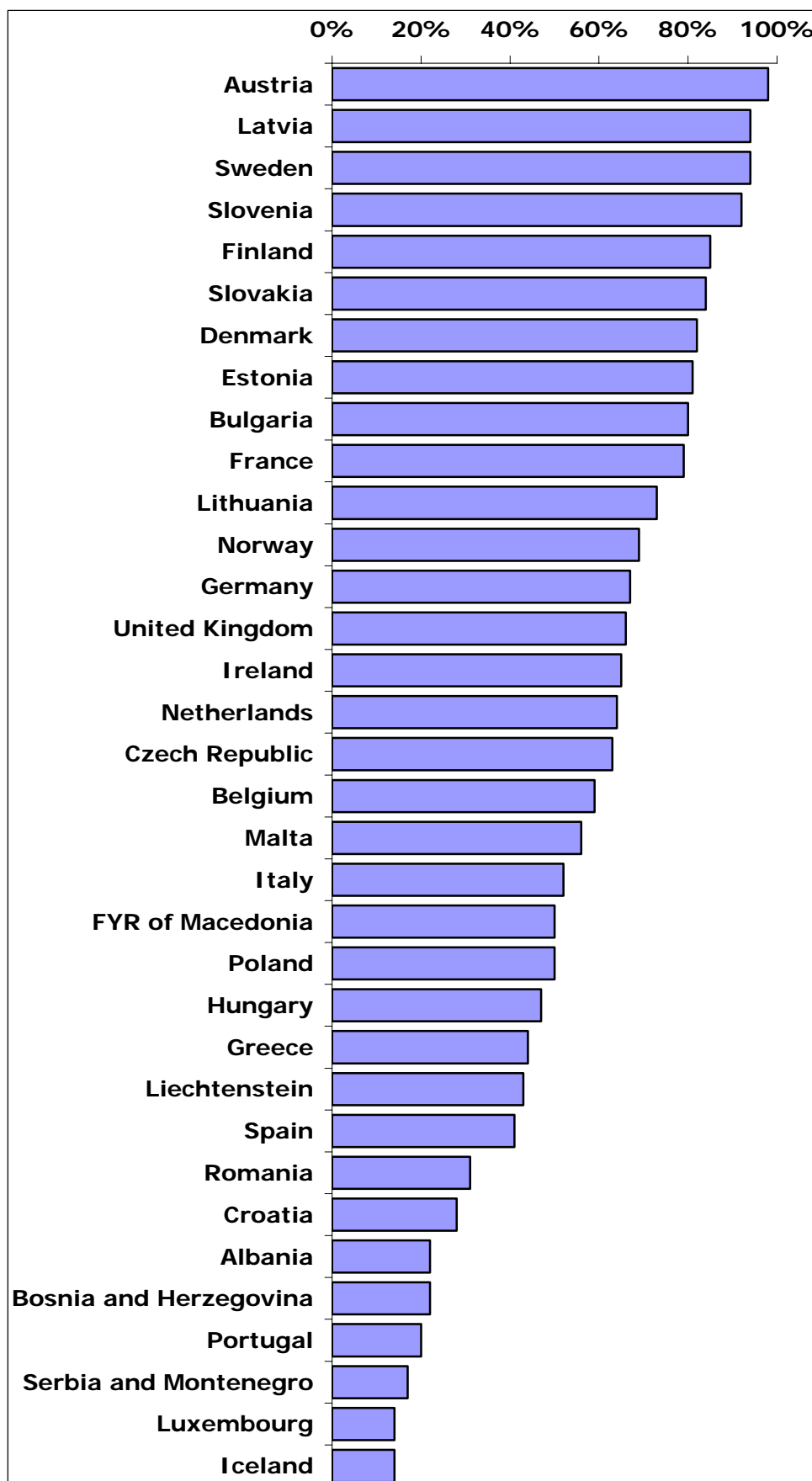
Use of Reportnet tools to facilitate data flows has continued to increase during 2004 and 2005. DG Environment is now beginning to refer to Reportnet services in legislation (Commission Decision 2005/166/EC). We will continue to work with National Focal Points to improve and integrate the Reportnet tools further into all priority data flow activities. Ideas and feedback from national networks are invaluable to ensure that the tools provide support, which is useful at national level. The Reportnet project focusing on the improvement of institutional structures needed for efficient environmental data reporting is now producing its first proposals to Eionet.

With many thanks for your continued enthusiasm and support, I remain yours sincerely,

*Jacqueline McGlade*

Executive Director  
European Environment Agency

Figure 1 Overall performance of countries May 2004 – April 2005



**Table 1 Performance history**

Country	No of data flows	Score 2000	Score 2001	Score 2002	Score 2003	Score 2004	Trend 2003-2004	
Albania	9	0%	0%	0%	17%	22%	+5	➔
Austria	11	81%	81%	97%	95%	98%	+3	➔
Belgium	11	31%	50%	53%	58%	59%	+1	➔
Bosnia and Herzegovina	9	18%	39%	29%	34%	22%	-12	⬇
Bulgaria	10	42%	71%	69%	75%	80%	+5	➔
Croatia	9	N/A	N/A	N/A	N/A	28%	N/A	N/A
Czech Republic	10	38%	75%	72%	68%	63%	-5	➔
Denmark	11	81%	86%	83%	85%	82%	-3	➔
Estonia	12	54%	81%	72%	80%	81%	+1	➔
Finland	12	61%	72%	68%	79%	85%	+6	↗
France	12	47%	53%	63%	73%	79%	+6	↗
FYR of Macedonia	8	29%	42%	54%	50%	50%	0	➔
Germany	12	69%	64%	83%	81%	67%	-14	⬇
Greece	12	50%	50%	60%	52%	44%	-8	⬇
Hungary	9	46%	68%	56%	53%	47%	-6	⬇
Iceland	9	28%	14%	36%	30%	14%	-16	⬇
Ireland	12	67%	61%	68%	71%	65%	-6	⬇
Italy	11	39%	33%	65%	56%	52%	-4	➔
Latvia	12	50%	66%	80%	89%	94%	+5	➔
Liechtenstein	7	19%	9%	61%	53%	43%	-10	⬇
Lithuania	11	36%	50%	47%	73%	73%	0	➔
Luxembourg	9	22%	36%	18%	25%	14%	-11	⬇
Malta	9	N/A	N/A	N/A	78%	56%	-22	⬇
Netherlands	11	58%	67%	70%	69%	64%	-5	➔
Norway	9	64%	64%	81%	75%	69%	-6	⬇
Poland	10	36%	53%	72%	65%	50%	-15	⬇
Portugal	11	39%	33%	35%	50%	20%	-30	⬇
Romania	9	21%	21%	47%	38%	31%	-7	⬇
Serbia and Montenegro	9	N/A	N/A	N/A	N/A	17%	N/A	N/A
Slovakia	8	25%	43%	63%	72%	84%	+12	↗
Slovenia	12	50%	66%	78%	88%	92%	+4	➔
Spain	11	58%	33%	55%	38%	41%	+3	➔
Sweden	12	47%	89%	90%	90%	94%	+4	➔
United Kingdom	11	78%	72%	83%	73%	66%	-7	⬇

**Table 2 Summary table of country performance by data flow**

Country	No of data flows	Score 2004	EIONET Priority Data Flows												For information only	
			AE-1: CLRTAP data	AE-1b: NEC data	AE-2: UNFCCC data	AE-2b: EU GHG data	AQ-1: EoI data	AQ-2: Annual ozone	AQ-2b: Monthly ozone	CDDA-1: Designated areas	EWN-1: River quality	EWN-2: Lake quality	EWN-3: Groundwater quality	ME-1: Marine data	TE-1: CLC-2000 update	TE-2: Contaminated soil
Albania	9	22%	-1	N/A	-1	N/A	-1	N/A	-1	-1	1	1	1	1	N/A	N/A
Austria	11	98%	3	3	3	3	3	3	2	3	3	3	3	N/A	3	N/A
Belgium	11	59%	3	2	3	3	3	N/A	1	-1	1	-1	-1	2	3	N/A
Bosnia and Herzegovina	9	22%	-1	N/A	-1	N/A	2	N/A	-1	-1	1	2	-1	-1	N/A	N/A
Bulgaria	10	80%	1	N/A	1	N/A	3	3	3	2	3	1	2	3	3	N/A
Croatia	9	28%	-1	N/A	3	N/A	-1	N/A	1	-1	1	1	-1	-1	N/A	N/A
Czech Republic	10	63%	1	2	1	2	3	N/A	3	-1	2	-1	3	N/A	3	N/A
Denmark	11	82%	2	3	3	3	3	N/A	2	-1	2	3	2	3	2	N/A
Estonia	12	81%	3	2	3	3	3	3	2	-1	2	1	3	3	3	N/A
Finland	12	85%	3	3	3	3	3	3	3	-1	1	3	2	3	3	N/A
France	12	79%	2	3	3	3	3	3	3	1	2	1	3	-1	3	3
FYR of Macedonia	8	50%	1	N/A	-1	N/A	3	N/A	3	-1	3	1	-1	N/A	N/A	3
Germany	12	67%	3	2	-1	3	3	3	3	-1	1	1	1	2	3	N/A
Greece	12	44%	-1	-1	1	2	3	3	3	1	-1	-1	-1	1	2	N/A
Hungary	9	47%	-1	N/A	-1	1	3	N/A	2	-1	3	1	1	N/A	3	N/A
Iceland	9	14%	-1	N/A	-1	N/A	1	N/A	-1	-1	-1	-1	-1	2	N/A	N/A
Ireland	12	65%	1	2	3	2	3	3	2	1	1	-1	-1	3	3	N/A
Italy	11	52%	-1	3	-1	-1	3	N/A	2	2	1	1	1	2	3	N/A
Latvia	12	94%	3	2	3	3	3	3	3	2	3	3	2	3	3	N/A
Liechtenstein	7	43%	-1	N/A	-1	N/A	-1	N/A	2	3	1	N/A	2	N/A	3	N/A
Lithuania	11	73%	-1	3	-1	1	3	N/A	3	1	3	3	3	3	3	N/A
Luxembourg	9	14%	-1	-1	-1	-1	-1	N/A	1	-1	-1	N/A	2	N/A	3	N/A
Malta	9	56%	-1	N/A	-1	-1	2	3	2	1	N/A	N/A	3	3	3	N/A
Netherlands	11	64%	2	3	3	3	3	N/A	2	-1	1	1	1	-1	3	N/A
Norway	9	69%	3	N/A	3	N/A	1	N/A	3	1	1	1	1	2	N/A	N/A
Poland	10	50%	1	N/A	-1	-1	3	N/A	2	-1	2	1	1	3	3	N/A
Portugal	11	20%	-1	2	-1	-1	3	N/A	1	-1	-1	-1	-1	-1	2	N/A
Romania	9	31%	-1	N/A	2	N/A	3	N/A	1	-1	-1	-1	-1	1	3	N/A
Serbia and Montenegro	9	17%	-1	N/A	-1	N/A	-1	N/A	-1	-1	1	1	1	-1	N/A	N/A
Slovakia	8	84%	1	N/A	3	2	3	N/A	3	1	3	N/A	3	N/A	3	N/A
Slovenia	12	92%	1	3	3	3	3	3	3	1	3	3	3	3	3	N/A
Spain	11	41%	1	1	3	1	1	N/A	2	-1	2	-1	-1	-1	2	N/A
Sweden	12	94%	3	3	3	3	3	3	3	1	3	3	2	3	3	N/A
United Kingdom	11	66%	2	2	-1	2	3	N/A	2	1	1	1	3	2	2	N/A

## Overall approach for scoring

The following simple rules have been applied for the evaluation of the overall country performance in Tables 1 and 2:

1. For each data flow, the maximum score is 3 points ( 😊😊😊 ) and the minimum score is -1 point ( 😞 ) Please also see pages 8-20 in this report for the definition of individual scoring criteria per data flow area.
2. Scores from all 12 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 Eionet priority data flows. Scores from the two additional data flows (Corine Land Cover 2000 and Contaminated soil) are **not included** in the overall results.
3. A result of 0% would mean that no data has been delivered at all for Eionet priority data flows. A result of 100% would mean that complete data sets for all data flow areas have been delivered on time.

N/A

N/A means not applicable. Two out of the 12 data flows were only relevant for the 15 member countries of the European Union in 2003. Furthermore, some countries such as Austria are not party to the relevant marine conventions.

## Trend compared to the previous data flow cycle

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 5 categories:

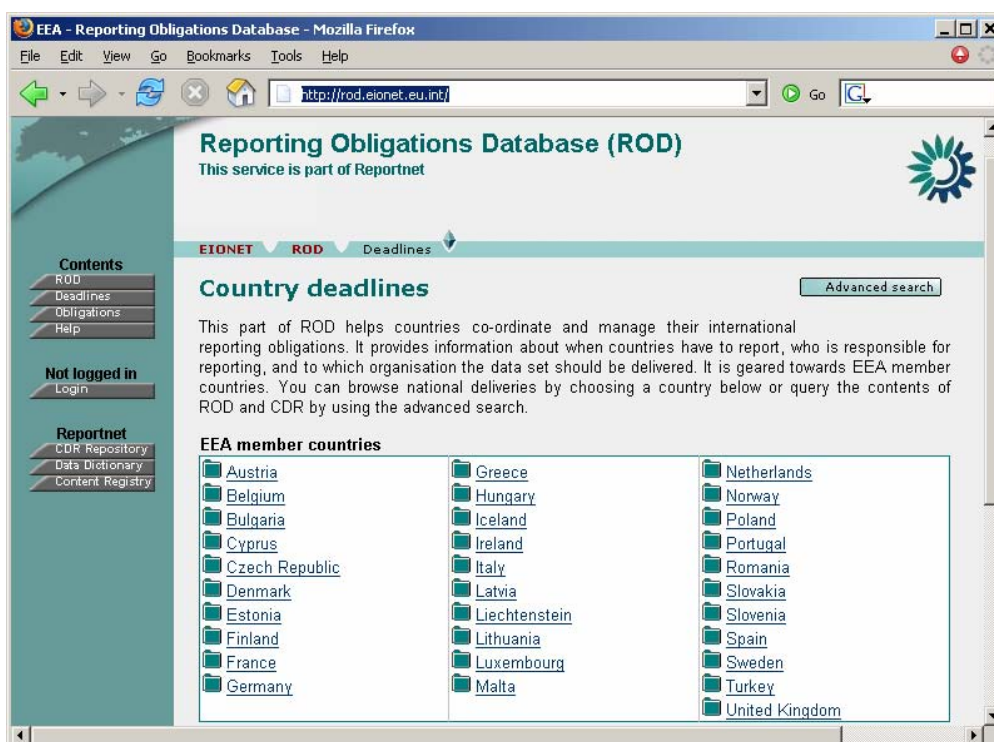
- ↑ Strong positive trend. Score has improved by more than 15%.
- ↗ Positive trend. Score has improved between 5% and 15%.
- No clear trend. Score has changed by less than 5%.
- ↘ Negative trend. Score has deteriorated between 5% and 15%.
- ↓ Strong negative trend. Score has deteriorated by more than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

## Timetable for Eionet priority data flows

Below is an overview of the deadlines for delivering data under the Eionet priority data flows for the period May 2004 – April 2005. The reporting cycle began on 15 May 2004 with the deadline for the designated areas data (CDDA-1 data flow) and ended on 15 April 2005 with the delivery deadline for the AE-2 UNFCCC data flow.

Data Flow	Deadline
CDDA-1: Designated areas	15 May 2004
AQ-2b: Monthly ozone data	30 Sep 2004
TE-2: Contaminated soil	30 Sep 2004
AQ-1: EoI data	1 Oct 2004
AQ-2: Annual ozone data	1 Oct 2004
EWN-1: River quality	26 Nov 2004
EWN-2: Lake quality	26 Nov 2004
EWN-3: Groundwater quality	26 Nov 2004
ME-1: Marine data	26 Nov 2005
AE-1b: NEC data	31 Dec 2004
TE-1: CLC-2000 update	31 Dec 2004
AE-2b: EU GHG data	15 Jan 2005
AE-1: CLRTAP data	15 Feb 2005
AE-2: UNFCCC data	15 Apr 2005

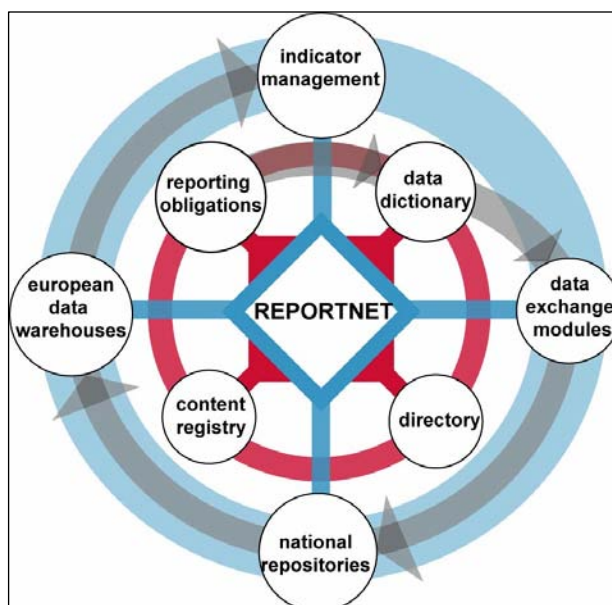
For the next data cycle (May 2005 – April 2006), most of the data delivery deadlines will be the same or similar to the previous year. A regularly updated timetable of delivery deadlines is available as part of the Reporting Obligations Database (ROD) web service: <http://rod.eionet.eu.int>. Through the ROD deadlines functionality (**Deadlines**), country-specific lists with reporting deadlines can be generated.



## Reportnet – Eionet’s data reporting system

Reportnet is Eionet’s infrastructure for supporting and improving data and information flows. Reportnet is based on a set of inter-related tools which all build on the active use of the World Wide Web. The system integrates different web services and allows distributed responsibilities.

Reportnet has been used mainly for reporting environmental data to EEA, but is now also hosting some of DG Environment’s reporting tasks. The open and transparent system allows for making deliveries to other national and international organisations.



## Eionet directory review

All Eionet priority data flows involve National Focal Points (NFPs), Primary Contact Points (PCPs) and National Reference Centres (NRCs) in the country networks. All address and contact information for NFPs, PCPs and NRCs is stored in the Eionet directory, which holds the data for more than 900 nominated PCPs and NRCs from more than 330 organisations in EEA member countries and collaborating countries. All communication relevant to Eionet priority data flows are sent via the role mailing function of the Eionet Directory. Updating of directory information is directly done by the countries.

In April 2004, a review process was launched to adjust and simplify the existing Eionet structure in line with priorities included in the EEA strategy. After broad consultations and intensive discussions, a [new Eionet structure](#) was adopted during the 41<sup>st</sup> Management Board meeting in April 2005. The following PCPs and NRCs of the new Eionet structure are the contact people for the priority data flows:

<b>Data flow</b>	<b>Relevant Eionet role</b>
AE-1: CLRTAP data	<a href="#">Eionet PCPs and NRCs for Air Emissions</a>
AE-1b: NEC data	<a href="#">Eionet PCPs and NRCs for Air Emissions</a>
AE-2: UNFCCC data	<a href="#">Eionet PCPs and NRCs for Air Emissions</a>
AE-2b: EU GHG data	<a href="#">Eionet PCPs and NRCs for Air Emissions</a>
AQ-1: EoI data	<a href="#">Eionet PCPs and NRCs for Air Quality</a>
AQ-2: Annual ozone data	<a href="#">Eionet PCPs and NRCs for Air Quality</a>
AQ-2b: Monthly ozone data	<a href="#">Eionet PCPs and NRCs for Air Quality</a>
CDDA-1: Designated areas	<a href="#">Eionet PCPs and NRCs for Nature Protection and Biodiversity</a>
EWN-1: River quality	<a href="#">Eionet PCPs and NRCs for Rivers and Lakes</a>
EWN-2: Lake quality	<a href="#">Eionet PCPs and NRCs for Rivers and Lakes</a>
EWN-3: Groundwater quality	<a href="#">Eionet PCPs and NRCs for Groundwater</a>
ME-1: Marine data	<a href="#">Eionet PCPs and NRCs for Marine and Coastal Environment</a>
TE-1: CLC-2000 update	<a href="#">Eionet PCPs and NRCs for Spatial Analysis and Land Cover</a>
TE-2: Contaminated soil	<a href="#">Eionet PCPs and NRCs for Soil</a>



## Data quality in the Eionet reporting system

The importance of strengthened data quality assurance measures and the need for implementing regular data quality assessments is strongly emphasized in the [EEA Strategy for 2004 to 2008](#) and the [EEA Annual Management Plan 2004](#). Provision of high quality data by Eionet is fundamental for EEA's mission to provide timely, targeted, relevant and reliable information to policy-making agents and the public.

In 2005, several workshops on aspects of data quality have been organized with national experts:

- [Technical workshop for CDDA](#) held at EEA 20<sup>th</sup>-21<sup>st</sup> April: the agenda covered practical use of the current reporting format and discussions of future options for this data flow.
- [Workshop on Inventories and projections of green house gas emissions from waste](#) held at EEA on 2<sup>nd</sup>-3<sup>rd</sup> May: one in a series of workshops under the EC's Monitoring Mechanism for greenhouse gas emissions that intend to share best practices, to compare the parameters chosen in the estimation methodologies across EU Member States.
- [Technical workshop to support countries in further improving the quality of reporting on air quality](#) held at EEA on 9<sup>th</sup>-10<sup>th</sup> June: the agenda covered the practical use of the air quality data exchange module (AQ-DEMv8) and introduced the Reportnet generic data exchange module (GDEM) for reporting ozone exceedances.
- [Training workshop on the use of CRF Reporter for the experts of the European Community](#) held at EEA on 12<sup>th</sup>-13<sup>th</sup> September: the agenda covered the practical use of the new CRF Reporter software for reporting greenhouse gas inventories in 2006 released by UNFCCC at the beginning of September.





In some cases the workshops are part of existing quality programmes in their thematic area. In others, the Agency has initiated a closer focus on quality together with countries.

New functionalities in the Reportnet tools also help to assess and improve the quality of the delivered data. In Reportnet, data quality controls are applied in two different phases of the reporting cycle. The first process is the application of automated quality controls for a growing number of data flows. While data files are being uploaded to the Central Data Repository, they are checked against a series of validation rules, which in return are based on the detailed data definitions in the Data Dictionary. Data quality feedback is given immediately to the data supplier.

A second series of quality checks is applied while collating individual national deliveries into a draft European dataset. Thematic experts at the European Topic Centres evaluate the quality of the draft dataset and communicate necessary changes and potential re-supplies with the data suppliers. Reportnet's newest tools, the data conversion and merging modules are designed to facilitate data processing during this phase.

The concept of the priority data flows, their continuous monitoring and annual country benchmarking has over the past years already contributed substantially to the improvement of data quality in the Eionet reporting system. The evaluation of progress in the priority data areas is based on the relevance, timeliness and completeness of the delivered data, see also the detailed scoring criteria on pp. 8–20 of the present report. A comparison between the individual priority data flow areas shows that completeness and timeliness of the delivered data is highest for the air quality data flows (EoI data and Ozone data) followed by the air emissions data flows (EU GHG data and NEC data) and water data flows (rivers, lakes, groundwater and marine data).

## AE-1: CLRTAP data





<b>Detailed criteria for scoring</b>	
Scoring criteria based on completeness of time series of requested pollutants included in national submission under the UNECE Convention on Long-Range Transboundary Air Pollution (CLRTAP). It is critical for the Eionet priority data flow that a copy of the national submission is made available electronically in good time <a href="#">in agreed national data repository</a> .	
	Complete time series made available from 1980 to 2003 for all pollutants SO <sub>2</sub> , NO <sub>x</sub> , CO, NMVOC, NH <sub>3</sub> by 15/02/2005.
	Only minor gaps in time series made available and/or delay not more than four weeks.
	Some major gaps in time series made available and/or delay not more than six weeks.
	Few years/pollutants made available and/or delay more than six weeks.
<b>Related datasets</b>	Published in EEA dataservice: <a href="#">Air emissions data</a>
<b>Related indicators</b>	Published indicators on EEA website: <a href="#">Air quality indicators</a> <a href="#">EEA Core set of indicators</a> : 1. Emissions of acidifying substances 2. Emissions of ozone precursors 3. Emissions of primary particulates and secondary particulate precursors

## Summary of data deliveries

Countries were once again asked to provide a copy of their national subvention to the Convention on Long Range Transboundary Air Pollution in their national repository.

The slow improvement in quality of this data flow has now stalled. 14 countries delivered on time; one less than in the previous year. Only eight countries achieved the full score by providing the required time series on time. Five further countries provided good time series but their deliveries were delayed to a greater or lesser extent. On the other hand, five countries delivered promptly but only provided data for 2003 including the Former Yugoslav Republic of Macedonia delivering for the first time. 14 countries did not provide any information. This is an increase of about 50% on last year. Hungary, Iceland, Romania, Albania and Bosnia and Herzegovina have never provided information for this data flow.

## AE-1b: NEC data





<b>Detailed criteria for scoring</b> Scoring criteria based on completeness of time series of requested pollutants included in national submission under the National Emissions Ceilings Directive (NEC). It is critical for the Eionet Priority Data Flow that a copy of the national submission is made available electronically in good time and <a href="#">in agreed national data repository</a> .	
	Complete time series made available from 2002 to 2003 for all pollutants SO <sub>2</sub> , NO <sub>x</sub> , NMVOC, NH <sub>3</sub> by 31/12/2004.
	Only minor gaps in time series made available and/or delay not more than four weeks.
	Some major gaps in time series made available and/or delay not more than six weeks.
	Few years/pollutants made available and/or delay more than six weeks.
<b>Related datasets</b>	Published in EEA dataservice: <a href="#">Air emissions data</a>
<b>Related indicators</b>	Published indicators on EEA website: <a href="#">Air quality indicators</a> <a href="#">EEA Core set of indicators</a> : 1. Emissions of acidifying substances 2. Emissions of ozone precursors 3. Emissions of primary particulates and secondary particulate precursors

## Summary of data deliveries

2004 was the third year of reporting for EU Member States under the National Emission Ceilings Directive. New Member States were not required to deliver data. Once again 13 out of 15 countries delivered data. Greece and Luxembourg failed to provide information although they delivered in 2003.

The quality of this data flow is improving slowly. Seven countries met the deadline against five in 2003. Four new Member States also provided data with Lithuania and Slovenia gaining the full score.

## AE-2: UNFCCC data

<b>Detailed criteria for scoring</b>	
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 is made available electronically and in good time <a href="#">in agreed national data repository</a> .	
	Complete time series made available from 1990 to 2003 for all pollutants requested by data flow project: CO2, CH4, N2O, HFC, PFC and SF6 made available by 15/04/2005.
	Only minor gaps in time series made available and/or delay of less than four weeks.
	Some major gaps in time series made available and/or delay of no more than six weeks.
	Few years/pollutants made available or delay of more than six weeks.
<b>Related datasets</b>	Published in EEA dataservice: <a href="#">Air emissions data</a>
<b>Related indicators</b>	Published report on EEA website: <a href="#">Impacts of Europe's changing climate</a> <a href="#">EEA Core set of indicators:</a> 2. Emissions of ozone precursors 10. Greenhouse gas emissions and removals





### Summary of data deliveries

The EU GHG and UNFCCC data flows have different reporting deadlines so they have again been assessed separately for greater transparency as in the previous progress report.

In the AE-2 UNFCCC data flow, countries are asked to provide a copy of their national subvention to the UN Framework Convention on Climate Change by the deadline of 15 April 2005.

14 countries gained the full score by delivering the requested time series promptly. A further four countries provided limited or delayed information. 15 countries had not provided information by 1 June 2005. This disappointing result may be due in some cases to confusion on how to deal with these two closely related priority data flows. Furthermore, the guidelines for both data flows also foresee the delivery of revised versions of the data. Nevertheless for countries, that are not EU Member States, this excuse does not apply. No information was received from Iceland, Liechtenstein, Albania (who delivered in 2003), Bosnia and Herzegovina, Serbia and Montenegro or the Former Yugoslav Republic of Macedonia.

## AE-2b: EU GHG data





<b>Detailed criteria for scoring</b>	
Scoring criteria based on completeness of time series of requested pollutants included in national submission under Council Decision 280/2004/EC concerning a mechanism for monitoring Community greenhouse gas emissions and for implementing the Kyoto Protocol. It is critical for the Eionet Priority Data Flow that a copy of the national submission is made available electronically and in good time in the <a href="#">Central Data Repository (CDR)</a> .	
	Complete time series made available from 1990 to 2003 for all pollutants requested by data flow project: CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O, HFC, PFC and SF <sub>6</sub> made available by 15/01/2005.
	Only minor gaps in time series made available and/or delay of less than four weeks.
	Some major gaps in time series made available and/or delay of no more than six weeks.
	Few years/pollutants made available or delay of more than six weeks.
<b>Related datasets</b>	Published in EEA dataservice: <a href="#">Air emissions data</a>
<b>Related indicators</b>	Published report on EEA website: <a href="#">Impacts of Europe's changing climate</a> <a href="#">EEA Core set of indicators:</a> 2. Emissions of ozone precursors 10. Greenhouse gas emissions and removals

### Summary of data deliveries

The EU GHG and UNFCCC data flows have different reporting deadlines so they have again been assessed separately for greater transparency as in the previous progress report.

The AE-2b EU GHG data flow is now relevant for all Member States of the European Union. 11 countries provided the requested data promptly and gained the full score. 23 out of 25 countries delivered; Malta and Poland did not provide information. Three countries were significantly delayed (Italy, Portugal and Luxembourg).

## AQ-1: EoI data

<b>Detailed criteria for scoring</b>	
Scoring criteria based on timeliness of reporting in latest year and availability of data for Particulate Matter.	
	2003 data delivery in time and includes Particulate Matter (Black Smoke, TSP, PM10 or PM2,5)
	2003 data delivery in time i.e. by 1 October 2004
	2003 data delivery delayed.
	No 2003 data delivery
<b>Related datasets</b>	EoI data published through <a href="#">Airbase</a>
<b>Related indicators</b>	Published indicators on EEA website: <a href="#">Air quality indicators</a> <a href="#">EEA Core set of indicators</a> : 4. Exceedance of air quality limit values in urban areas 5. Exposure of ecosystems to acidification, eutrophication and ozone

### Summary of data deliveries

The Exchange of Information and associated Euroairnet process require countries to provide information on both air quality measurements and on the networks where monitoring has taken place.

24 countries made timely deliveries and provided extra information on particulate matter. Spain and Iceland provided their information with delay. Malta and Bosnia and Herzegovina delivered on time but did not provide the extra information. Five countries did not deliver (Albania, Croatia, Liechtenstein, Luxembourg and Serbia and Montenegro).





The punctuality of deliveries for this data flow continues to improve. As noted in the previous progress report, the EEA, supported by ETC ACC, is now encouraging countries to raise the quality of the data delivered even more. More than 30 countries attended a technical workshop on the issue of quality in preparation for the 2005 data collection.

## AQ-2: Annual ozone data

### Detailed criteria for scoring

Scoring is based on reporting of validated information about exceedances of the information and alert thresholds during the previous year according to Directive 2002/3/EC relating to ozone in ambient air.

The criteria applied in 2004 are temporary. They relate to willingness to maintain the continuity of reporting during the transitional period following the introduction of new legislation and to the provision of metadata on EoI code and station type. The EoI code enables the use of additional information delivered under the Exchange of Information (EoI) Decision during the analysis of ozone episodes. No penalty has been applied for non-delivery.





	Annual ozone data for 2003 delivered and requested metadata provided.
	Annual ozone data for 2003 delivered.
	Not used because of the transition period.
	Not used because of the transition period.
<b>Related indicators</b>	Published indicators on EEA website: <a href="#">Ozone exceedances</a> <a href="#">EEA Core set of indicators</a> : 4. Exceedance of air quality limit values in urban areas 5. Exposure of ecosystems to acidification, eutrophication and ozone

### Summary of data deliveries

As explained in the detailed criteria for scoring, 2004 was a transition year in terms of legislation for the reporting of validated annual ozone data. Countries making a data delivery were therefore credited for their willingness to maintain the continuity of reporting.

12 countries delivered their validated annual ozone data: Austria, Bulgaria, Estonia, Finland, France, Germany, Greece, Ireland, Latvia, Malta, Slovenia and Sweden.

## AQ-2b: Monthly ozone data

<b>Detailed criteria for scoring</b>	
Scoring is based on reporting of information about exceedances of the information and alert thresholds during the summer period of the current year according to Directive 2002/3/EC relating to ozone in ambient air. The criteria relate to the timeliness of reporting and the provision of metadata on station type and location needed for mapping and analysis.	
	Information on exceedances provided for all the months from April to September. The report with additional information about the summer delivered by 31 October 2004 and metadata on station location and type provided.
	Information on exceedances provided for all the months from April to September. The report with additional information about the summer delivered after 31 October 2004 or metadata on station location and type not available.
	Information on exceedances provided for most of the months from April to September but no other information.
	No data delivery.
<b>Related datasets</b>	<a href="#">Summer ozone exceedances 2004</a>
<b>Related products</b>	Annually published <a href="#">Summer ozone exceedances reports</a> on EEA website

### Summary of data deliveries





Reporting for validated annual ozone data (AQ-2) and reporting for monthly and summer ozone exceedances (AQ-2b) have different content and deadlines so they have been assessed separately again in the present progress report for greater transparency.

Directive 2002/3/EC relating to ozone in ambient air has also introduced an additional reporting phase which took place for the first time in 2004. The additional phase relates to further information that should be reported at the end of the summer period. Timely delivery of this information in together with timely and complete reporting of the monthly ozone episodes means that the maximum score available for this data flow has been raised to three smileys again.

12 countries earned the maximum score for complete and timely delivery. A further five also provided complete deliveries but they lost points because of delays. Another seven countries had difficulty in providing the requested metadata for this data flow. Four countries (Belgium, Luxembourg, Romania and Portugal) only provided data on the monthly exceedances. Four countries did not deliver: Albania , Bosnia and Herzegovina , Iceland and Serbia and Montenegro.



## CDDA-1: Designated areas

<b>Detailed criteria for scoring</b>	
Scoring criteria based on the quality of the data made available in the agreed <a href="#">national data repository</a> .	
	Designated areas made available by 15/05/2004 At least 95% of the nationally designated areas reported have the required attributes: centre co-ordinates, size of area and valid IUCN category. In addition: At least 75% of the nationally designated areas reported have the new attributes: altitude and valid habitat category.
	Designated areas made available by 15/05/2004 At least 66% of the nationally designated areas made available have the required attributes: centre co-ordinates, size of area and valid IUCN category. In addition: At least 50% of the nationally designated areas reported have the new attributes: altitude and valid habitat category.
	Designated areas made available by 31/07/2004 At least 30% of the nationally designated areas made available have the required attributes: centre co-ordinates, size of area and valid IUCN category.
	No data made available or less than 30% of the nationally designated areas reported have the required attributes.
<b>Related datasets</b>	Published in EEA Data service: <a href="#">Nationally designated areas</a>
<b>Related indicators</b>	<a href="#">EEA Core set of indicators</a> : 8. Designated areas

### Summary of data deliveries





There was a poor response to this data flow in 2004. Possibly because countries are still finding it difficult to satisfy the new and more stringent criteria that were introduced in 2003 for evaluating the inventories of nationally designated areas. Countries have been asked to provide information on the geographical coordinates, the size and the IUCN category of their designated areas for the past three years. Countries now also have to provide information on altitude and on the habitats which occur within the designated areas in order to achieve a full score. All the requested information is needed to support biodiversity assessment. It should also be mentioned that several countries are providing more detailed geographical information on a voluntary basis. However this type of information is not yet included in this progress report.

19 countries did not provide information. However of the 15 countries that did deliver, only one was delayed. 10 countries qualified for the basic level of one smiley. Three countries managed two smileys and two countries (Austria and Liechtenstein) achieved the full score.

The 2005 data collection has already been completed and the preliminary evaluation will be available on-line at <http://www.eionet.eu.int/dataflows>. It shows a much higher response rate. More than 20 countries attended a technical workshop with a strong focus on data quality in preparation for the data collection.

**EWN-1: River quality, EWN-2: Lake quality and EWN-3: Groundwater quality**

**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 and lake stations and groundwater bodies 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 the data validation questionnaire.

	<b>Rivers:</b>	<b>Lakes:</b>	<b>Groundwater:</b>
	Additionally, at least 2 out of the following criteria are met: 1. More than 75% of sites identified and described, or 2. Delivery of hazardous substances data, or 3. Provision of a detailed response to the data validation questionnaire	Additionally, 1. More than 75% of sites identified, or 2. Data on hazardous substances have been delivered	Additionally, at least 2 out of the data sets have to be provided: 1. Data on pesticides and hazardous substances, or 2. GIS data, or 3. Saltwater intrusion data
	1. Timely data delivery 2004 to national repository and 2. Data delivered in the requested format, or long time series (more than 10 years) for ammonium, nitrate and total P available.	1. Timely data delivery 2004 to national repository, and 2. Data delivered in the requested format, or long time series (more than 10 years) for phosphorus, nitrogen and oxygen available.	1. Timely data delivery 2004 to national repository in the requested format, and 2. General description and quality data for at least 3 out of the following list of determinands have been provided: Nitrate, Nitrite, Ammonium, Dissolved Oxygen.
	Delayed data delivery under Eurowaternet data collection 2004 (i.e. after the delivery deadline of 26 November 2004) Or: timely delivery, but delivered data are not fulfilling basic quality criteria.		
	No data delivery under Eurowaternet data collection 2004.		
<b>Related datasets</b>	Published in EEA dataservice: <a href="#">Waterbase data</a>		
<b>Related indicators</b>	Published indicators on EEA website: <a href="#">Water indicators</a> <a href="#">EEA Core set of indicators:</a> 19. Oxygen consuming substances in rivers 20. Nutrients in freshwater		

## **EWN-1: River quality, EWN-2: Lake quality and EWN-3: Groundwater quality**

### **Summary of data deliveries**

The data request for this priority area was sent on 27 August 2004. Countries had three months time to deliver updated information (deadline for data deliveries: 26 November 2004).

The best response rate to the water data request 2004 was observed for the river data flows (28 countries delivered updated information), followed by the groundwater data flow (24 deliveries) and lake data flow (22 deliveries).

### **EWN-1: River quality data**

18 countries made timely deliveries, but only nine countries achieved the full score of three points which is only awarded if deliveries are complete and formatted according to the data delivery guidelines in the [Data Dictionary](#). 10 countries achieved the score of one point for delayed and/or very incomplete data delivery. Belgium made its first delivery of river quality data. No data were received from five countries: Greece, Iceland, Luxembourg, Portugal and Romania. This data flow does not apply to Malta, as there are no rivers in the country.





### **EWN-2: Lake quality data**

12 out of the 22 countries delivered data on time but only seven countries achieved the full score of three points. No data were received from eight countries: Belgium, Czech Republic, Greece, Iceland, Ireland, Portugal, Romania and Spain. This data flow does not apply to Liechtenstein, Luxembourg, Malta and Slovakia, as there are no (relevant) lakes in these countries.

### **EWN-3: Groundwater quality data**

24 countries delivered updated groundwater data of which only seven made their deliveries after the deadline. Nine countries (last year: only four) achieved the maximum score of three points. The following 10 countries did not deliver data in 2004: Belgium, Bosnia and Herzegovina, Croatia, Greece, Iceland, Ireland, Portugal, Romania and Spain. This data flow applies to all 34 countries.

## ME-1: Marine data

<b>Detailed criteria for scoring</b>	
Real data deliveries from countries have again been monitored and evaluated. However, as in last year's data collection: it is not the intention that the Eurowaternet 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 Eurowaternet process. These data will be requested directly from the Marine Conventions. In summary: countries are asked to submit for this Eionet priority area only missing or additional data, not the data already delivered to Marine Conventions.	
	Additionally, at least 3 items out of the following list have been provided: <ul style="list-style-type: none"> <li>• Hazardous substances in biota</li> <li>• Hazardous substances in sediment</li> <li>• Hazardous substances in seawater</li> <li>• Nutrients in sea water</li> <li>• Riverine inputs and pressure data</li> <li>• Direct discharges</li> <li>• Station characteristics</li> </ul>
	Timely data delivery under Eurowaternet or to Marine Conventions, and provision of data in the requested format.
	Delayed data delivery under Eurowaternet or to Marine Conventions in 2004 (i.e. after the delivery deadline of 26 November 2004).
	No data delivery under Eurowaternet or to Marine Conventions.
<b>Related datasets</b>	Published in EEA dataservice: <a href="#">Waterbase data</a>
<b>Related indicators</b>	Published indicators on EEA website: <a href="#">Coast and seas indicators</a> <a href="#">EEA Core set of indicators</a> : 21. Nutrients in coastal waters 23. Chlorophyll in transitional, coastal and marine waters





### Summary of data deliveries

The marine data request has been sent out on 27 August 2004, together with the request for rivers, lakes and groundwater data. The deadline for data deliveries was the same as for the other water data flows: 26 November 2004. This data flow only covers 25 countries, as seven countries do not have a coastline (Austria, Czech Republic, the Former Yugoslav Republic of Macedonia, Hungary, Liechtenstein, Luxembourg and Slovakia).

20 countries delivered their data either directly through Eionet or made it available through the marine conventions. 11 countries achieved the full score of three points. Less complete and partially delayed data were available from another eight countries. No data were received from seven countries: Bosnia and Herzegovina, Croatia, France, the Netherlands, Portugal, Serbia and Montenegro and Spain.

Data sharing between EEA and Marine Conventions has again improved in 2004. Marine data have been made available by the International Council for the Exploration of the Sea ([ICES](#)), the Programme for the Assessment and Control of Pollution in the Mediterranean Region ([MED POL](#)) and the [Black Sea Commission](#).

## TE-1: CLC 2000 update

<b>Detailed criteria for scoring</b>	
Criteria used here is evidence of progress in national preparations for CLC2000.	
	CLC2000 already completed or CLC2000 data made available in national data repository by 31/12/2004. Deliveries may be final or partial, depending on the project stage. Data must correspond to the CLC 2000 format requirements.
	Relevant progress report made available in national data repository by 31/12/2004. Countries may post their most recent contractually required CLC2000 report: Quarterly progress report, final report for phase 1, final report for CLC2000. Countries, that are not yet required to produce a contractual progress report, should make available a short description of actions taken at national level to advance their CLC2000 project.
	National project management documents made available in national data repository by 31/12/2004.
	National CLC2000 commitment not in place by 31/12/2004.
<b>Related datasets</b>	Published in EEA dataservice: <a href="#">Corine Land Cover 2000 data</a>
<b>Related indicators</b>	Published indicators on EEA website: <a href="#">Nature grasslands</a> <a href="#">EEA Core set of indicators:</a> 9. Species diversity 14. Land take

### Summary of progress in the countries

20 countries achieved the planned rate of progress with their national projects. [National Corine Land Cover 2000 data sets](#) have now been published for 31 countries. Turkey and Serbia and Montenegro have begun work on their Corine Land Cover inventories. Discussions are underway with Norway, Switzerland and Iceland.

**N.B. The scores from this data flow are once again not included in the overall assessment. The scores are provided for information only.**


## TE-2: Contaminated soil

### Detailed criteria for scoring

Regular annual deliveries to the [agreed national data repository](#) are requested on a limited set of data at this early stage of development:

- % contribution of localised sources to soil contamination;
- annual public expenditure on remediation of contaminated sites;
- progress in the management of contaminated sites.

No formal data collection was held in 2004. However countries that made new information available have received scores.

	Data made available on all 3 categories.
	Data made available on 2 categories.
	Data made available on 1 category.
	Not applicable in 2004.
<b>Related indicators</b>	Published indicators on EEA website: <a href="#">Contamination from localised sources</a> <a href="#">EEA Core set of indicators:</a> 15. Progress in management of contaminated sites

### Summary of data deliveries

There was no formal data collection in 2004 but two countries delivered information in CDR on a voluntary basis. France provided updated information and the Former Yugoslav Republic of Macedonia delivered data on this issue for the first time.

**N.B. The scores from this data flow are once again not included in the overall assessment. The scores are provided for information only.**

## **Reporting on Eionet priority data flows: History and outlook**

Progress reporting on Eionet priority data flows has a history of already more than six years. Since March 1999, eight evaluation reports on progress with Eionet's priority data flows have been prepared for the EEA Management Board:

1 <sup>st</sup> progress report	March 1999
2 <sup>nd</sup> progress report	December 1999
3 <sup>rd</sup> progress report	August 2000
4 <sup>th</sup> progress report	April 2001
5 <sup>th</sup> progress report	May 2002
6 <sup>th</sup> progress report	June 2003
7 <sup>th</sup> progress report	August 2004
8 <sup>th</sup> progress report	September 2005

In order to make the analytical process transparent, the most recent data flow reports are available in electronic form in [the public library section](#) of the NFP/Eionet Interest Group on CIRCA at EEA.

### **Geographical coverage of the priority data flow reporting**






































The data flow progress reporting began in 1999 with an initial geographical coverage of the original 18 member countries of EEA. The geographical coverage was extended in 2000 by including the 13 countries (Albania, Bosnia and Herzegovina, Bulgaria, Czech Republic, Estonia, Former Yugoslav Republic of Macedonia, Hungary, Latvia, Lithuania, Poland, Romania, Slovakia and Slovenia) from the then Phare programme. In 2004, the number of evaluated countries increased to 32 with the participation of Malta. This year, Croatia and Serbia and Montenegro participated in the full evaluation for the first time, bringing the number of countries to 34. Next year, the number of countries is expected to rise to 37 with the extension of the data flow monitoring to Cyprus, Switzerland and Turkey.

### **Schedule for the next data flow report**

The ninth data flow progress report will analyse data deliveries made by countries between May 2005 and April 2006. The final report will be presented in summer 2006.

Draft results of the ongoing data flow evaluation will be published as soon as possible through a web application on the Eionet Portal at: <http://www.eionet.eu.int/dataflows/>.

**Table 3.1 Detailed data flow analysis for Albania**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data	Not applicable					No information made available by 31 May 2005.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	Not applicable	Not applicable	Not applicable	Data flow is relevant for EU MS only.
AE-2: UNFCCC data	Not applicable	Not applicable				No information by 1 June 2005.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			Not applicable	Not applicable	Data flow is relevant for EU MS only.
AQ-1: Eol data						Some summary air quality data delivered with delay (18 February 2005).
AQ-2: Annual ozone data	Not included in 2000	Not applicable	Not applicable		Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.			Not applicable		No delivery of monthly exceedance information or additional summer report.
CDDA-1: Designated areas	Not applicable	Not applicable	Not applicable			Delivery on time: 804 sites(752 new) all with valid IUCN categories. 558 (70%) have information on altitude; 347 (43%) have information on size. 22 sites(<1%) have geographical coordinates. No information on habitats.
EWN-1: River quality						River data delivered with delay (18 February 2005).
EWN-2: Lake quality						Lake data delivered with delay (18 February 2005).
EWN-3: Groundwater quality						Groundwater data delivered with delay (18 February 2005).
ME-1: Marine data						Marine data delivered with delay (18 February 2005).
TE-1: CLC-2000 update	Not included in 2000	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable.
TE-2: Contaminated soil	Not included in 2000	Not applicable	Not applicable		Not applicable	No formal data flow in 2004.









































**Table 3.2 Detailed data flow analysis for Austria**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data	😊😊😊	😊😊😊	😊😊😊	😊😊😊	😊😊😊	Delivery on time in CDR. Time series from pre-1990 available for pollutants in criteria. National Inventory Report provided.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	😊😊😊	😊😊😊	😊😊😊	Time series from 1990 for all pollutants delivered on time to ETC ACC. Requested format used. Posted later to CDR.
AE-2: UNFCCC data	😊😊😊	😊😊	😊😊😊	😊😊😊	😊😊😊	Full time series on time in CDR (posted under EU MM).
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			😊😊😊	😊😊😊	Full time series on time to ETC ACC and posted later to CDR. Short inventory description provided.
AQ-1: Eol data	😊😊😊	😊😊😊	😊😊😊	😊😊😊	😊😊😊	Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000	😊😊😊	😊😊😊	😊😊😊	😊😊😊	Annual data for 2003 provided in AQ FWD questionnaire. Eol station codes provided. Station type provided.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.			😊😊	😊😊	Exceedance information delivered each month from April to September. Additional summer report delayed. Metadata provided.
CDDA-1: Designated areas	😊😊	😊😊	😊😊😊	😊😊	😊😊😊	Delivery on time. 1087 (0 new) sites reported. 100% with information on IUCN category, size, coordinates and altitude and habitat.
EWN-1: River quality	😊😊	😊😊	😊😊	😊😊😊	😊😊😊	Data delivered on time and in the requested format. Long time series available. Hazardous substances data delivered. Response to validation questionnaire provided. More than 100% of requested stations identified.
EWN-2: Lake quality	😊😊	😊	😊😊😊	😊😊😊	😊😊😊	Data delivered on time and in the requested format. Some long time series available. Data on hazardous substances are missing. 75% of lake stations identified.
EWN-3: Groundwater quality	😊	😊😊	😊😊😊	😊😊😊	😊😊😊	Data provided on time and in the requested format. 14 important groundwater bodies identified. Data on pesticides, hazardous substances and saltwater intrusion provided. GIS data available.
ME-1: Marine data	Not applicable					Country does not have a coastline.
TE-1: CLC-2000 update	Not included in 2000	😊😊	😊😊	😊😊😊	😊😊😊	National project slightly delayed at 31/12/2004. Acceptance in progress. At least partial deliveries in national repository.
TE-2: Contaminated soil	Not included in 2000	😊😊😊	😊😊😊	😊😊😊	Not applicable	No formal data flow in 2004.

















































**Table 3.3 Detailed data flow analysis for Belgium**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data						Delivery on time to UNECE/EMEP and posted in national repository.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001				Time series from 2000 delivered with delay. Posted in CDR. Requested format used.
AE-2: UNFCCC data						Time series posted in national repository.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.					Full time series on time to ETC ACC.
AQ-1: Eol data						Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000				Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.					Exceedance information delivered each month from April to September.
CDDA-1: Designated areas						No delivery by 31 July 2004.
EWN-1: River quality						First ever data delivery for Eurowaternet-Rivers, with a considerable delay, though (14 April 2005).
EWN-2: Lake quality						No data delivery in 2004. No deliveries under earlier data collection.
EWN-3: Groundwater quality						No data delivery in 2004.
ME-1: Marine data						Data on hazardous substances in biota available through ICES.
TE-1: CLC-2000 update	Not included in 2000					National project on schedule at 31/12/2004. Data accepted in 2004.
TE-2: Contaminated soil	Not included in 2000				Not applicable	No formal data flow in 2004.













**Table 3.4 Detailed data flow analysis for Bosnia and Herzegovina**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data						No information made available by 31 May 2005.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	Not applicable	Not applicable	Not applicable	Data flow is relevant for EU MS only.
AE-2: UNFCCC data						No information by 1 June 2005.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			Not applicable	Not applicable	Data flow is relevant for EU MS only.
AQ-1: Eol data						Data delivered on time. No information on particulate matter.
AQ-2: Annual ozone data	Not included in 2000	Not applicable	Not applicable	Not applicable	Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.			Not applicable		No delivery of monthly exceedance information or additional summer report.
CDDA-1: Designated areas	Not applicable	Not applicable	Not applicable			Delivery on time: 154 (120 new) sites all with size information. Less than 30% with coordinates, IUCN category and altitude. None with habitat information.
EWN-1: River quality						Data delivered on time, but not in the requested format. Only short time series available.
EWN-2: Lake quality						Data delivered on time and in the requested format. Only short time series available. Some data on hazardous substances available.
EWN-3: Groundwater quality						No data delivery in 2004.
ME-1: Marine data						No data delivery in 2004.
TE-1: CLC-2000 update	Not included in 2000	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable.
TE-2: Contaminated soil	Not included in 2000	Not applicable	Not applicable		Not applicable	No formal data flow in 2004.

**Table 3.5 Detailed data flow analysis for Bulgaria**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data						Delivery on time in CDR. 2003 data available for pollutants in criteria. National Inventory Report provided.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	Not applicable	Not applicable	Not applicable	Data flow is relevant for EU MS only.
AE-2: UNFCCC data						Full time series not covering all gases. Delivered in CDR with notified delay (posted under EU).
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			Not applicable	Not applicable	Data flow is relevant for EU MS only.
AQ-1: Eol data						Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000					Annual data for 2003 provided through the AQ DEM. Eol station codes and station type provided.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.					Exceedance information delivered each month from April to September. Additional summer report on time. Requested station metadata provided.
CDDA-1: Designated areas	Not applicable	Not applicable				Delivery on time: 896 (140 new) sites. All have information on size, 99% have coordinates and 96% have valid IUCN categories. Altitude information is available for 27% of the sites. No information on habitats.
EWN-1: River quality						Data delivered in time, but not in the requested format. However, long time series for P and NH4 are available. All stations identified. Reply to the validation questionnaire provided.
EWN-2: Lake quality						Data delivered on time, but not in the requested format. Only short time series available. No data on hazardous substances provided. About 50% of stations identified.
EWN-3: Groundwater quality						Data provided on time and in the requested format. General descriptions and selected quality data available. GIS data provided.
ME-1: Marine data	Not applicable	Not applicable				Data delivered on time and in the requested format. Station characteristics, riverine input loads and some discharge data provided.
TE-1: CLC-2000 update	Not included in 2000					National project put on plan at 31/12/2004. Acceptance in progress. At least partial deliveries in national repository.
TE-2: Contaminated soil	Not included in 2000	Not applicable			Not applicable	No formal data flow in 2004.

**Table 3.6 Detailed data flow analysis for Croatia**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data	Country performance not evaluated in the period 2000-2003.					No data delivered for this data flow.
AE-1b: NEC data	Country performance not evaluated in the period 2000-2003.				Not applicable	Data flow is relevant for EU countries only.
AE-2: UNFCCC data	Country performance not evaluated in the period 2000-2003.				  	Almost complete time series provided on time.
AE-2b: EU GHG data	Country performance not evaluated in the period 2000-2003.				Not applicable	Data flow is relevant for EU countries only.
AQ-1: Eol data	Country performance not evaluated in the period 2000-2003.					No data delivered for this data flow.
AQ-2: Annual ozone data	Country performance not evaluated in the period 2000-2003.				Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Country performance not evaluated in the period 2000-2003.					Croatia has made a start with reporting monthly and annual ozone exceedances data. Data for the years 2003 and 2004 have been delivered, but with delay (29 March 2005).
CDDA-1: Designated areas	Country performance not evaluated in the period 2000-2002.					No data delivered for this data flow.
EWN-1: River quality	Country performance not evaluated in the period 2000-2003.					River quality data for 25 stations provided with delay (13 May 2005).
EWN-2: Lake quality	Country performance not evaluated in the period 2000-2003.					Lake quality data for 6 lake stations provided with delay (13 May 2005).
EWN-3: Groundwater quality	Country performance not evaluated in the period 2000-2003.					No data delivered for this data flow.
ME-1: Marine data	Country performance not evaluated in the period 2000-2003.					No data delivered for this data flow.
TE-1: CLC-2000 update	Country performance not evaluated in the period 2000-2003.				Not applicable	Not applicable.
TE-2: Contaminated soil	Country performance not evaluated in the period 2000-2003.				Not applicable	No formal data flow in 2004.

**Table 3.7 Detailed data flow analysis for the Czech Republic**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data						Delivery on time in CDR. 2003 data available for pollutants in criteria.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	Not applicable	Not applicable		Time series from 1990 provided with delay to ETC ACC. Not posted on CDR. Not yet in requested format.
AE-2: UNFCCC data						Limited time series but covering all gases. Delivered on time in CDR.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.					Almost complete time series delivered on time in CDR. Partial information in requested format.
AQ-1: Eol data						Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000				Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.					Exceedance information delivered each month from April to September. Additional summer report on time. Requested station metadata provided.
CDDA-1: Designated areas	Not applicable	Not applicable				No delivery by 31 July 2004.
EWN-1: River quality						Data delivered with a slight delay (3 December 2004). Long time series for NH4 and P available.
EWN-2: Lake quality						No data delivery in 2004.
EWN-3: Groundwater quality						Data provided on time and in the requested format. General descriptions and selected quality data available. Data on pesticides and hazardous substances provided. GIS data provided.
ME-1: Marine data	Not applicable					Country does not have a coastline.
TE-1: CLC-2000 update	Not included in 2000					National project on schedule at 31/12/2004. Data accepted in 2004. At least partial deliveries in national repository.
TE-2: Contaminated soil	Not included in 2000	Not applicable			Not applicable	No formal data flow in 2004.

**Table 3.8 Detailed data flow analysis for Denmark**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data	😊😊	😊😊	😊😊😊	😊😊😊	😊😊	Delivery with slight delay to ETC ACC; posted later to CDR. Time series from pre-1990 available for pollutants in criteria.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	😊😊	😊	😊😊😊	Time series from 1980 provided on time to ETC ACC but not posted in CDR. Requested format used.
AE-2: UNFCCC data	😊😊	😊😊😊	😊😊😊	😊😊😊	😊😊😊	Full time series on time in CDR. National inventory report provided.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			😊😊😊	😊😊😊	Full time series on time to CDR. Short inventory description provided.
AQ-1: Eol data	😊😊😊	😊😊😊	😊😊😊	😊😊😊	😊😊😊	Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000	😊😊😊	😊😊😊	😊😊😊	Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.			😊😊	😊😊	Exceedance information delivered each month from April to September. Additional summer report delayed. Requested station metadata provided.
CDDA-1: Designated areas	😊😊😊	😊😊😊	😊😊😊	😊😊	😞	No delivery by 31 July 2004.
EWN-1: River quality	😊😊😊	😊😊😊	😊😊😊	😊😊	😊😊	Data delivered in time, but not in the requested format. However, long time series for NH4 and P are available.
EWN-2: Lake quality	😊😊😊	😊😊	😊😊	😊😊😊	😊😊😊	Data delivered on time, but not in the requested format. Long time series available. No data on hazardous substances provided. All stations identified.
EWN-3: Groundwater quality	😊	😊	😊😊	😊😊	😊😊	Data provided on time but not in the requested format. General descriptions available, quality data and data on pesticides and hazardous substances provided. No saltwater intrusion or GIS data provided.
ME-1: Marine data	😊😊	😊😊	😞	😊😊	😊😊😊	Data on hazardous substances in seawater and biota available through ICES.
TE-1: CLC-2000 update	Not included in 2000	😊	😊😊	😊😊	😊😊	National project slightly delayed at 31/12/2004. Acceptance in progress. No information in national repository.
TE-2: Contaminated soil	Not included in 2000	😊😊	😊😊😊	😊😊	Not applicable	No formal data flow in 2004.



**Table 3.9 Detailed data flow analysis for Estonia**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data						Delivery on time in CDR. 2001 to 2003 data available in requested format for pollutants in criteria. Long time series in old format.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	Not applicable	Not applicable		Data for 2003 delivered on time in CDR
AE-2: UNFCCC data						Full time series on time in CDR. National inventory report provided.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.					Full time series delivered on time in CDR. Partial information in requested format.
AQ-1: Eol data						Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000					Annual data for 2003 provided in AQ FWD questionnaire. Eol station codes provided. Station type provided.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.					Exceedance information delivered each month from April to September. Additional summer report on time. Requested station metadata not provided.
CDDA-1: Designated areas	Not applicable	Not applicable				No delivery by 31 July 2004.
EWN-1: River quality						Data delivered in time, but not in the requested format. However, long time series are available.
EWN-2: Lake quality						Data delivered with delay (17 January 2005).
EWN-3: Groundwater quality						Data provided on time and in the requested format. 5 important groundwater bodies identified. Saltwater intrusion and GIS data provided previously.
ME-1: Marine data						Data delivered on time. Physical characteristics, data on hazardous substances in seawater and riverine input data provided.
TE-1: CLC-2000 update	Not included in 2000					National project on schedule at 31/12/2004. Data accepted in 2004.
TE-2: Contaminated soil	Not included in 2000	Not applicable			Not applicable	No formal data flow in 2004.




























































**Table 3.10 Detailed data flow analysis for Finland**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data	😊	😊	😊	😊😊😊	😊😊😊	Delivery on time to UNECE/EMEP and posted later in national repository with a referral added in CDR.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	😊😊	😊😊😊	😊😊😊	Data provided on time to ETC ACC. No information in national repository or CDR. Time series from 2000, not yet in requested format.
AE-2: UNFCCC data	😊	😊😊😊	😊😊😊	😊😊😊	😊😊😊	Full time series on time in CDR (posted under EU). National inventory report provided.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			😊😊😊	😊😊😊	Full time series on time in CDR. National inventory report provided.
AQ-1: Eol data	😊😊😊	😊😊😊	😊	😊😊😊	😊😊😊	Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000	😊😊😊	😊😊	😊😊😊	😊😊😊	Annual data for 2003 provided in AQ FWD questionnaire. Eol station codes provided. Station type provided.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.			😊😊	😊😊😊	Exceedance information delivered each month from April to September. Additional summer report on time. Requested station metadata provided.
CDDA-1: Designated areas	😊	😊	😊	😞	😞	Data delivered on time in agreed national repository: 3928 (462 new) sites. All sites have geographical coordinates and 99% have information on size. However information on IUCN category is only reported for 4% of the sites. Information on altitude has been provide for 8% and there is no information on habitats.
EWN-1: River quality	😊😊	😊😊	😊😊	😊😊😊	😊	Data delivered with substantial delay (11 February 2005).
EWN-2: Lake quality	😊😊😊	😊	😊	😊	😊😊😊	Data delivered with a slight delay, however in the requested format. Long time series available. Data on hazardous substances provided. All stations identified.
EWN-3: Groundwater quality	😊	😊	😊😊😊	😊😊	😊😊	Data provided on time and in the requested format. General descriptions and selected quality data provided.
ME-1: Marine data	😞	😊😊	😊	😊	😊😊😊	Data made available through ICES. Additional data uploaded to CDR.
TE-1: CLC-2000 update	Not included in 2000	😊😊	😊😊	😊😊😊	😊😊😊	National project on schedule at 31/12/2004. Data accepted in January 2005. No information for 2004 in national repository.
TE-2: Contaminated soil	Not included in 2000	😊😊😊	😊😊😊	😊😊😊	Not applicable	No formal data flow in 2004.

**Table 3.11 Detailed data flow analysis for France**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data						Full time series in requested format delivered with slight delay to CDR. Additional data also provided.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001				Time series from 1980 in requested format. Delivered on time to CDR.
AE-2: UNFCCC data						Full time series on time in CDR. National inventory report provided.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.					Full time series on time to ETC ACC and posted later to CDR. National inventory report announced.
AQ-1: Eol data						Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000					Annual data for 2003 provided in AQ FWD questionnaire. Eol station codes provided. Station type provided.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.					Exceedance information delivered each month from April to September. Additional summer report on time. Requested station metadata provided.
CDDA-1: Designated areas						Delayed delivery: 1479 (93 new) sites. All have valid IUCN categories, 99% have coordinates and 95% have information on size. No information on altitude or habitats.
EWN-1: River quality						Data delivered on time. Some long time series available, but also many gaps in the delivered data. Some hazardous substances data delivered. Station selection is not stable yet.
EWN-2: Lake quality						No delivery of data as requested by Eurowaternet, but provision of best available information (ELDRED database).
EWN-3: Groundwater quality						Data provided on time. General descriptions, quality data and data on pesticides and hazardous substances available. GIS data provided.
ME-1: Marine data						No data delivery in 2004.
TE-1: CLC-2000 update	Not included in 2000					National project on schedule at 31/12/2004. At least partial deliveries in national repository.
TE-2: Contaminated soil	Not included in 2000					Updated information provided in national repository on local soil contamination (management progress, expenditure and source activities).

**Table 3.12 Detailed data flow analysis for the former Yugoslav Republic of Macedonia**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data						Delivery on time in CDR. 2003 data available for some pollutants in criteria (NO <sub>x</sub> , SO <sub>x</sub> CO).
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	Not applicable	Not applicable	Not applicable	Data flow is relevant for EU MS only.
AE-2: UNFCCC data						No information by 1 June 2005.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			Not applicable	Not applicable	Data flow is relevant for EU MS only.
AQ-1: Eol data	  		  		  	Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000	Not applicable	Not applicable	Not applicable	Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.			Not applicable	  	Exceedance information delivered for each month from April to September. Summer report available (posted under annual ozone). Requested station metadata provided.
CDDA-1: Designated areas	Not applicable	Not applicable	Not applicable			There was a revised delivery in Oct 2003 containing 86 sites. All have a valid IUCN category, 63% have information on size and 73% have coordinates. 20% have altitude information. No habitats information.
EWN-1: River quality		 	 	  	  	Data delivered on time and in the requested format. Some long time series on NH <sub>4</sub> and NO <sub>3</sub> available. Hazardous substances data delivered. More than 75% of stations identified.
EWN-2: Lake quality	 	 	 			Data delivered with delay (16 December 2004).
EWN-3: Groundwater quality			 			No data delivery in 2004.
ME-1: Marine data	Not applicable					Country does not have a coastline.
TE-1: CLC-2000 update	Not included in 2000	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable.
TE-2: Contaminated soil	Not included in 2000	Not applicable	 		  	Data provided in national repository on local soil contamination (management progress, expenditure and source activities). This is the first delivery on this issue.













































































**Table 3.13 Detailed data flow analysis for Germany**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data	😊	😞	😊😊	😊😊😊	😊😊😊	Full time series delivered on time in CDR. Additional data also provided.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	😊😊😊	😊	😊😊	Time series from 2000 provided with delay to ETC ACC. Not posted on CDR. Not yet in requested format.
AE-2: UNFCCC data	😊😊	😞	😊	😊	😞	No information by 1 June 2005.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			😊😊😊	😊😊😊	Full time series on time to ETC ACC. No information in CDR. National inventory report provided.
AQ-1: Eol data	😊😊	😊😊	😊😊😊	😊😊😊	😊😊😊	Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000	😊😊	😊😊😊	😊😊😊	😊😊😊	Annual data for 2003 posted under former EEA request for annual ozone. Station metadata provided.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.			😊😊	😊😊😊	Exceedance information delivered each month from April to September. Additional summer report on time. Requested station metadata provided.
CDDA-1: Designated areas	😊😊	😊😊😊	😊😊😊	😊	😞	No delivery by 31 July 2004.
EWN-1: River quality	😊😊😊	😊😊😊	😊😊😊	😊😊😊	😊	Data delivered with delay (6 January 2005).
EWN-2: Lake quality	😊	😊😊	😊😊	😊😊	😊	Data delivered with delay (21 December 2004).
EWN-3: Groundwater quality	😊	😊😊	😊😊	😊😊	😊	Data provided with delay (6 January 2005).
ME-1: Marine data	😊😊	😊😊	😊	😊😊😊	😊😊	Data on hazardous substances in biota available through ICES.
TE-1: CLC-2000 update	Not included in 2000	😊😊	😊😊	😊😊😊	😊😊😊	National project on schedule at 31/12/2004. Data accepted in January 2005. At least partial deliveries in national repository.
TE-2: Contaminated soil	Not included in 2000	😊😊😊	😊😊😊	😊😊	Not applicable	No formal data flow in 2004.





























































**Table 3.14 Detailed data flow analysis for Greece**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data						Data for 2003 posted with delay to CDR.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001				No information available at 13 April 2005.
AE-2: UNFCCC data						Full time series. Delayed delivery available in CDR.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.					Full time series. Delivery slightly delayed to ETC ACC. No information in CDR.
AQ-1: Eol data						Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000					Annual data for 2003 provided in AQ FWD questionnaire. Eol station codes provided. Station type provided.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.					Exceedance information delivered each month from April to September. Additional summer report on time. Requested station metadata provided.
CDDA-1: Designated areas						Delivery on time: 149 (2 new) sites. 97% have information on size, 87% have a valid IUCN category. The number of sites with coordinates has risen to 73% and altitude information is now available for 12%. No information on habitats.
EWN-1: River quality						No data delivery in 2004.
EWN-2: Lake quality						No data delivery in 2004.
EWN-3: Groundwater quality						No data delivery in 2004.
ME-1: Marine data						Data delivery with delay (26 January 2005).
TE-1: CLC-2000 update	Not included in 2000					Significant progress in 2004. Partial delivery for the November launch event.
TE-2: Contaminated soil	Not included in 2000				Not applicable	No formal data flow in 2004.

**Table 3.15 Detailed data flow analysis for Hungary**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data						No information made available by 31 May 2005.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	Not applicable	Not applicable	Not applicable	Data flow is relevant for EU MS but new members were not required to deliver in 2004.
AE-2: UNFCCC data		 				No information by 1 June 2005.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			Not applicable		Full time series delivered with delay to ETC ACC. Partial information in requested format. No information in CDR.
AQ-1: Eol data	  	  		  	  	Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000	 	 	  	Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.			 	 	Exceedance information delivered each month from April to September. Additional summer report delayed. Requested station metadata not provided.
CDDA-1: Designated areas	Not applicable	Not applicable	  			No delivery by 31 July 2004.
EWN-1: River quality	 	 	 		  	Data delivered on time. Long time series available. Hazardous substances data delivered. More than 75% of stations identified.
EWN-2: Lake quality						Data delivered with delay (12 January 2005).
EWN-3: Groundwater quality		  	  			Data provided with delay (10 January 2005).
ME-1: Marine data	Not applicable					Country does not have a coastline.
TE-1: CLC-2000 update	Not included in 2000		 	  	  	National project on schedule at 31/12/2004. Data accepted in 2004. At least partial deliveries in national repository.
TE-2: Contaminated soil	Not included in 2000	Not applicable	  		Not applicable	No formal data flow in 2004.

**Table 3.16 Detailed data flow analysis for Iceland**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data						No information made available by 31 May 2005.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	Not applicable	Not applicable	Not applicable	Data flow is relevant for EU MS only.
AE-2: UNFCCC data						No information by 1 June 2005.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			Not applicable	Not applicable	Data flow is relevant for EU MS only.
AQ-1: Eol data						Data delivered with delay. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000			  	Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.			 		No delivery of monthly exceedance information or additional summer report.
CDDA-1: Designated areas	 	 	 	 		No delivery by 31 July 2004.
EWN-1: River quality						No data delivery in 2004. No deliveries under earlier data collection.
EWN-2: Lake quality	 					No data delivery in 2004.
EWN-3: Groundwater quality						No data delivery in 2004. No deliveries under earlier data collection.
ME-1: Marine data					 	Data on hazardous substances in biota available through ICES.
TE-1: CLC-2000 update	Not included in 2000	Not available	Not available	Not available	Not available	Not available.
TE-2: Contaminated soil	Not included in 2000	 	 	 	Not applicable	No formal data flow in 2004.



**Table 3.17 Detailed data flow analysis for Ireland**



























































































































Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data	😊	😊	😊😊	😊😊	😊	2003 data delivered with slight delay to CDR.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	😊	😊😊😊	😊😊	Time series for 2002-2003 delivered with delay to CDR. Requested format used.
AE-2: UNFCCC data	😊	😊	😊	😊	😊😊😊	Full time series delivered on time to UNFCCC and later uploaded to CDR. National inventory report provided.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			😊😊	😊😊	Full time series. Delivery slightly delayed available in CDR. National inventory report provided.
AQ-1: Eol data	😊	😊	😊😊😊	😊	😊😊😊	Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000	😊😊😊	😊😊	😊😊😊	😊😊😊	Annual data for 2003 provided in AQ FWD questionnaire. Eol station codes provided. Station type provided.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.			😊	😊😊	Exceedance information delivered each month from April to September. Additional summer report delayed. Requested station metadata has been provided.
CDDA-1: Designated areas	😊😊	😊😊	😊😊	😊😊	😊	Delivery on time: 707 sites all of which have valid IUCN categories. 97% of the sites have coordinate information and 79 % have size. Over 70% have information on altitude. There is no information on habitats.
EWN-1: River quality	😊😊	😊	😊😊	😞	😊	Data delivered on time, but not in the requested format. Only short time series available.
EWN-2: Lake quality	😊😊😊	😊	😊😊	😊😊😊	😞	No data delivery in 2004.
EWN-3: Groundwater quality	😊	😊	😊	😊😊	😞	No data delivery in 2004.
ME-1: Marine data	😊😊	😊😊	😊	😊😊😊	😊😊😊	Data on hazardous substances in seawater and biota available through ICES.
TE-1: CLC-2000 update	Not included in 2000	😊😊	😊😊	😊😊😊	😊😊😊	National project completed. Data accepted in 2003.
TE-2: Contaminated soil	Not included in 2000	😊😊	😊😊	😞	Not applicable	No formal data flow in 2004.





































































**Table 3.18 Detailed data flow analysis for Italy**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data	😊😊	😞	😊😊	😞	😞	No information made available by 31 May 2005.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	😊	😞	😊😊😊	Time series 2000 to 2003 provided on time to ETC ACC. Not available in national repository or CDR. Not yet in requested format.
AE-2: UNFCCC data	😊😊	😞	😊	😊	😞	No information by 1 June 2005.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			😞	😞	Full time series delivered with delay of more than 2 months to ETC ACC. Not available in national repository or CDR.
AQ-1: Eol data	😊😊	😊	😊	😊😊😊	😊😊😊	Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000	😊😊😊	😊😊	😊😊😊	Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.			😊😊	😊😊	Exceedance information delivered each month from April to September. Additional summer report delayed. Requested station metadata not available.
CDDA-1: Designated areas	😊	😊😊	😊😊	😊😊	😊😊	Delivery on time: 773 confirmed sites all with valid IUCN category information, size, altitude and coordinates. 230 (30%) of the records have information on EUNIS habitats.
EWN-1: River quality	😞	😞	😊😊	😊	😊	Data delivered on time, but not in the requested format. Only short time series available.
EWN-2: Lake quality	😞	😞	😊	😊	😊	Data delivered with delay (10 December 2004).
EWN-3: Groundwater quality	😞	😞	😊😊	😊😊	😊	Data provided with delay (9 December 2004).
ME-1: Marine data	😞	😊😊	😊😊	😊😊😊	😊😊	Data delivered on time, but not in the requested format. Data provided on nutrients and hazardous substances in biota and sediments.
TE-1: CLC-2000 update	Not included in 2000	😊😊	😊😊	😊😊😊	😊😊😊	National project on schedule at 31/12/2004. Data accepted in 2004. At least partial deliveries in national repository.
TE-2: Contaminated soil	Not included in 2000	😊😊	😊😊😊	😊😊	Not applicable	No formal data flow in 2004.

**Table 3.19 Detailed data flow analysis for Latvia**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data			 	  	  	Full time series for all requested pollutants. Additional information also provided. Delivered on time in CDR.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	  	  	 	Time series for 1990-2003 delivered with some delay to CDR. Requested format used.
AE-2: UNFCCC data		 			  	Full time series delivered on time in CDR. National inventory report provided.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			Not applicable	  	Full time series. Delivered on time to DG ENV and then to ETC ACC. Later posted to CDR. National inventory report provided.
AQ-1: Eol data	  		  	  	  	Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000	  	 	  	  	Annual data for 2003 posted under summer ozone exceedances. Eol station codes provided. Station type provided.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.			 	  	Exceedance information delivered each month from April to September. Additional summer report on time. Station metadata has been provided.
CDDA-1: Designated areas	Not applicable	Not applicable	  	 	 	Delivery on time: 633 (91 new) sites. 100% with information on coordinates, 99% with valid IUCN categories and 95% with information on size and altitude. 50+% of sites have complete information on habitats.
EWN-1: River quality	 	 	 	  	  	Data provided on time. All river stations identified. Long time series available. Response to validation questionnaire provided.
EWN-2: Lake quality				  	  	Data delivered on time and in the requested format. Long time series available. Some data on hazardous substances available.
EWN-3: Groundwater quality		  	  	 	 	Data provided on time but not in the requested format. General descriptions available from previous update. Selected quality data provided.
ME-1: Marine data	 	 	 	  	  	Data delivered on time and in the requested format. Data provided on nutrients in seawater, riverine inputs, direct discharges and station characteristics.
TE-1: CLC-2000 update	Not included in 2000	 	 	  	  	National project completed. Data accepted in 2003.
TE-2: Contaminated soil	Not included in 2000	Not applicable	  	 	Not applicable	No formal data flow in 2004.

**Table 3.20 Detailed data flow analysis for Liechtenstein**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data						No information made available by 31 May 2005.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	Not applicable	Not applicable	Not applicable	Data flow is relevant for EU MS only.
AE-2: UNFCCC data						No information by 1 June 2005.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			Not applicable	Not applicable	Data flow is relevant for EU MS only.
AQ-1: Eol data						No data delivery.
AQ-2: Annual ozone data	Not included in 2000				Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.			 	 	Exceedance information delivered each month from April to September. Additional summer report delayed. Requested station metadata has been provided.
CDDA-1: Designated areas	 	 	  	  	  	Delivery on time: 10 sites .100% have required information including altitude and habitats. The habitats information refers to most of the coverage of each site but does not reach 100%.
EWN-1: River quality			 	 		Data delivered on time, but not in the requested format. Only short time series available.
EWN-2: Lake quality			Not applicable	Not applicable	Not applicable	Country does not have any lake which would fall under Eionet Data Collection.
EWN-3: Groundwater quality			  	 	 	Data provided on time and in the requested format. General description and selected quality data available. No GIS data provided.
ME-1: Marine data	Not applicable					Country does not have a coastline.
TE-1: CLC-2000 update	Not included in 2000		 	 	  	National project on schedule at 31/12/2004. Data accepted in January 2005.
TE-2: Contaminated soil	Not included in 2000		  		Not applicable	No formal data flow in 2004.

**Table 3.21 Detailed data flow analysis for Lithuania**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data						No information made available by 31 May 2005.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	Not applicable			Time series for 2002-2003 delivered on time to CDR. Requested format used.
AE-2: UNFCCC data						No information by 1 June 2005.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.					Short time series delivered with slight delay in CDR. Partial information in requested format.
AQ-1: Eol data						Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000				Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.					Exceedance information delivered each month from April to September. Additional summer report on time. Requested station metadata has been provided.
CDDA-1: Designated areas	Not applicable	Not applicable				Delivery on time: 297 sites all with valid IUCN categories, and information on size and coordinates. No information on altitude or habitats.
EWN-1: River quality						Data delivered on time, but not in the requested format. However, long time series are available. All stations identified. Hazardous substances data provided
EWN-2: Lake quality						Data delivered on time and in the requested format. Long time series available. Data on hazardous substances available.
EWN-3: Groundwater quality						Data for 2003 already sent with earlier data delivery. General descriptions, quality data, saltwater intrusion and GIS data available.
ME-1: Marine data						Data delivered on time and in the requested format. Data provided for nutrients and hazardous substances in seawater, biota and sediment.
TE-1: CLC-2000 update	Not included in 2000					National project on schedule at 31/12/2004. Data accepted in 2004.
TE-2: Contaminated soil	Not included in 2000	Not applicable			Not applicable	No formal data flow in 2004.

**Table 3.22 Detailed data flow analysis for Luxembourg**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data						No information made available by 31 May 2005.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001				No information available at 13 April 2005.
AE-2: UNFCCC data						No information by 1 June 2005.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.					Limited time series. Delivery to ETC ACC delayed by almost 3 months. Not available in CDR.
AQ-1: Eol data						No data delivery.
AQ-2: Annual ozone data	Not included in 2000				Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.					Exceedance information delivered for each month from May to August. No additional summer report available.
CDDA-1: Designated areas						No delivery by 31 July 2004.
EWN-1: River quality						No data delivery in 2004.
EWN-2: Lake quality					Not applicable	Country does not have any relevant lakes.
EWN-3: Groundwater quality						Data provided on time and in the requested format. General description and selected quality data available. No GIS data or data on hazardous substances or pesticides provided.
ME-1: Marine data				Not applicable	Not applicable	Country does not have a coastline. However, Luxembourg is party to the OSPAR Convention.
TE-1: CLC-2000 update	Not included in 2000					National project completed. Data accepted in 2003.
TE-2: Contaminated soil	Not included in 2000				Not applicable	No formal data flow in 2004.

**Table 3.23 Detailed data flow analysis for Malta**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data	Country performance not evaluated in the period 2000-2002.			😊	😞	Delivery note in CDR but no data by 31 May.
AE-1b: NEC data	Country performance not evaluated in the period 2000-2002.			Not applicable	Not applicable	Data flow is relevant for EU MS but new members were not required to deliver in 2004.
AE-2: UNFCCC data	Country performance not evaluated in the period 2000-2002.			😊	😞	No information by 1 June 2005.
AE-2b: EU GHG data	Country performance not evaluated in the period 2000-2002.			Not applicable	😞	No information provided.
AQ-1: Eol data	Country performance not evaluated in the period 2000-2002.			😊😊😊	😊😊	Data delivered on time. No information on particulate matter.
AQ-2: Annual ozone data	Country performance not evaluated in the period 2000-2002.			😊😊😊	😊😊😊	Annual data for 2003 posted under former EEA request for annual ozone. Eol station code and station metadata available. GIS information also provided.
AQ-2b: Monthly ozone data	Country performance not evaluated in the period 2000-2002.			😊😊	😊😊	Exceedance information delivered for each month from April to September. Additional summer report supplied.
CDDA-1: Designated areas	Country performance not evaluated in the period 2000-2002.			😊😊	😊	Delivery on time: 159 (66 new) sites. All have valid IUCN categories and altitude information. 94% have coordinate information and 80% have size. No information on habitats.
EWN-1: River quality	Country performance not evaluated in the period 2000-2002.			Not applicable	Not applicable	Country does not have any rivers.
EWN-2: Lake quality	Country performance not evaluated in the period 2000-2002.			Not applicable	Not applicable	Country does not have any lakes.
EWN-3: Groundwater quality	Country performance not evaluated in the period 2000-2002.			😊😊	😊😊😊	Data provided on time and in the requested format. General description and selected quality data available. Saltwater intrusion and GIS data provided.
ME-1: Marine data	Country performance not evaluated in the period 2000-2002.			😊😊😊	😊😊😊	Data delivered on time but not in the requested format. Data on station characteristics and pressures delivered. Data on hazardous substances in biota, sediment and seawater provided.
TE-1: CLC-2000 update	Country performance not evaluated in the period 2000-2002.			😊😊😊	😊😊😊	National project completed. Data accepted in 2003.
TE-2: Contaminated soil	Country performance not evaluated in the period 2000-2002.			😊	Not applicable	No formal data flow in 2004.

**Table 3.24 Detailed data flow analysis for the Netherlands**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data	😊😊	😊😊	😊😊	😊😊😊	😊😊	Data for 1990, 1995 and 2000-2003 delivered with slight delay in CDR.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	😊😊😊	😊😊😊	😊😊😊	Time series for 2002-2003 delivered on time to CDR. Requested format used.
AE-2: UNFCCC data	😊😊	😊😊😊	😊😊😊	😊😊😊	😊😊😊	Full time series on time in CDR (posted under EU). National inventory report available.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			😊😊😊	😊😊😊	Full time series on time to ETC ACC and later posted to CDR. National inventory report provided.
AQ-1: Eol data	😊😊😊	😊😊😊	😊😊😊	😊😊😊	😊😊😊	Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000	😊😊😊	😊😊😊	😊😊😊	Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.			😊😊	😊😊	Exceedance information delivered for each month from April to September. Additional summer report delivered. Meta information on location of stations already available but missing ozone station type was not provided.
CDDA-1: Designated areas	😞	😞	😞	😞	😞	No delivery by 31 July 2004.
EWN-1: River quality	😊😊	😊	😊	😞	😊	Data delivered with a slight delay and not in the requested format. Only short time series available.
EWN-2: Lake quality	😊😊😊	😊	😊	😞	😊	Data delivered with a slight delay. Data not provided in the requested format. Long time series available. No data on hazardous substances provided. About one third of lake stations identified.
EWN-3: Groundwater quality	😊	😊	😊😊	😊😊	😊	Data provided on time but not in the requested format. Only quality data for NO3 and NH4 provided. No saltwater intrusion or GIS data provided. No data on hazardous substances or pesticides available.
ME-1: Marine data	😞	😊😊	😊	😊😊	😞	No data delivery in 2004.
TE-1: CLC-2000 update	Not included in 2000	😊😊	😊😊	😊😊😊	😊😊😊	National project completed. Data accepted in 2003.
TE-2: Contaminated soil	Not included in 2000	😊😊😊	😊😊😊	😊😊	Not applicable	No formal data flow in 2004.

























































































**Table 3.25 Detailed data flow analysis for Norway**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data	😊😊	😊😊	😊😊	😊😊😊	😊😊😊	Time series from pre-1990 for all requested pollutants. Additional information also provided. Delivered on time in CDR and later updated.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	Not applicable	Not applicable	Not applicable	Data flow is relevant for EU MS only.
AE-2: UNFCCC data	😊😊	😊😊	😊	😊😊😊	😊😊😊	Full time series delivered on time in CDR. Conversion to current format completed for some years. National inventory report provided.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			Not applicable	Not applicable	Data flow is relevant for EU MS only.
AQ-1: Eol data	😊😊	😊😊	😊😊😊	😊😊😊	😊	Data delivered with delay. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000	😊😊😊	😊😊😊	😊😊😊	Not applicable	Not applicable. No information on ozone in AQ FWD questionnaire. Noted that AQ data was delivered to EMEP.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.			😊😊	😊😊😊	Exceedance information delivered each month from April to September. Additional summer report on time. Requested station metadata has been provided.
CDDA-1: Designated areas	😊😊	😊😊	😊😊	😞	😊	Delivery on time: 2341 (522 new) sites. 92% have information on size, 85% have valid IUCN category and 77% have coordinates. A small number of sites have altitude information, There is no habitat information. Quality statement provided with delivery.
EWN-1: River quality	😊	😊	😊😊	😊	😊	Data delivered with a slight delay. Not delivered in the requested format. Only short time series available.
EWN-2: Lake quality	😊😊😊	😊	😊😊😊	😊	😊	Data delivered with a slight delay. Data not provided in the requested format. Only short time series available. No data on hazardous substances provided.
EWN-3: Groundwater quality	😞	😞	😊😊	😊😊	😊	Data provided with delay (22 December 2004).
ME-1: Marine data	😊😊	😊😊	😊😊	😊😊😊	😊😊	Data on hazardous substances in biota available through ICES.
TE-1: CLC-2000 update	Not included in 2000	Not available	Not available	Not available	Not available	Not available.
TE-2: Contaminated soil	Not included in 2000	😊	😊😊😊	😊😊😊	Not applicable	No formal data flow in 2004.



**Table 3.26 Detailed data flow analysis for Poland**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data		 				2003 data delivered on time in CDR.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	Not applicable	Not applicable	Not applicable	Data flow is relevant for EU MS but new members were not required to deliver in 2004.
AE-2: UNFCCC data						No information by 1 June 2005.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			Not applicable		No 2003 data provided but NIR made available in CDR.
AQ-1: Eol data	  	  	  	  	  	Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000	 	  	  	Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.			 	 	Exceedance information delivered each month from April to September. Additional summer report delayed. Requested station metadata has not been provided.
CDDA-1: Designated areas	Not applicable	Not applicable	 	 		No delivery by 31 July 2004.
EWN-1: River quality		 	 	 	 	Data delivered in time, but not in the requested format. However, long time series are available.
EWN-2: Lake quality						Data delivered on time and in the requested format. Only short time series available. Only 5% of stations identified.
EWN-3: Groundwater quality			 	 		Data provided with delay (6 December 2004).
ME-1: Marine data			 	  	  	Data delivered on time and in the requested format. Data provided on nutrients and hazardous substances in biota and sediments.
TE-1: CLC-2000 update	Not included in 2000	 	 	  	  	National project on schedule at 31/12/2004. Data accepted in 2004. At least partial deliveries in national repository.
TE-2: Contaminated soil	Not included in 2000	Not applicable	 	 	Not applicable	No formal data flow in 2004.













**Table 3.27 Detailed data flow analysis for Portugal**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data	😊	😞	😞	😊	😞	No information made available by 31 May 2005.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	😞	😊	😊😊	Time series for 1990-2003 delivered with delay to ETC ACC. Not posted on CDR. Requested format used.
AE-2: UNFCCC data	😊	😞	😊	😊😊😊	😞	No information by 1 June 2005.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			😞	😞	Full time series delivered with delay of 2 months to ETC ACC. Not available in CDR.
AQ-1: Eol data	😊😊	😊😊	😊😊😊	😊😊😊	😊😊😊	Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000	😊😊😊	😊😊	😊😊😊	Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.			😊😊	😊	Exceedance information delivered for each month from April to September. No additional summer report available.
CDDA-1: Designated areas	😊😊	😊😊	😊😊	😊😊	😞	No delivery by 31 July 2004.
EWN-1: River quality	😞	😞	😞	😞	😞	No data delivery in 2004. No deliveries under earlier data collection.
EWN-2: Lake quality	😊	😊	😊	😞	😞	No data delivery in 2004.
EWN-3: Groundwater quality	😞	😞	😞	😊	😞	No data delivery in 2004.
ME-1: Marine data	😞	😞	😞	😞	😞	No data delivery in 2004.
TE-1: CLC-2000 update	Not included in 2000	😊	😊😊	😊😊😊	😊😊	National project slightly delayed at 31/12/2004. Acceptance in progress.
TE-2: Contaminated soil	Not included in 2000	😊	😊	😞	Not applicable	No formal data flow in 2004.

**Table 3.28 Detailed data flow analysis for Romania**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data						No information made available by 31 May 2005.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	Not applicable	Not applicable	Not applicable	Data flow is relevant for EU MS only.
AE-2: UNFCCC data						Time series 1989 -2003 delivered to ETC with delay. Not posted in CDR
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			Not applicable	Not applicable	Data flow is relevant for EU MS only.
AQ-1: Eol data						Data delivered on time. Data on particulate matter for 2003.
AQ-2: Annual ozone data	Not included in 2000				Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.					Exceedance information delivered for each month from April to August. No additional summer report available.
CDDA-1: Designated areas	Not applicable	Not applicable				No delivery by 31 July 2004.
EWN-1: River quality						No data delivery in 2004.
EWN-2: Lake quality						No data delivery in 2004.
EWN-3: Groundwater quality						No data delivery in 2004. No deliveries under earlier data collection.
ME-1: Marine data	Not applicable	Not applicable				Some data available through Black Sea Commission. However, there are many technical problems with data formats, etc.
TE-1: CLC-2000 update	Not included in 2000					National project on schedule at 31/12/2004. Data accepted in 2004. At least partial deliveries in national repository.
TE-2: Contaminated soil	Not included in 2000	Not applicable			Not applicable	No formal data flow in 2004.

**Table 3.29 Detailed data flow analysis for Serbia and Montenegro**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data	Country performance not evaluated in the period 2000-2003.					No data delivered for this data flow.
AE-1b: NEC data	Country performance not evaluated in the period 2000-2003.				Not applicable	Data flow is relevant for EU countries only.
AE-2: UNFCCC data	Country performance not evaluated in the period 2000-2003.					No data delivered for this data flow.
AE-2b: EU GHG data	Country performance not evaluated in the period 2000-2003.				Not applicable	Data flow is relevant for EU countries only.
AQ-1: EoI data	Country performance not evaluated in the period 2000-2002.					No data delivered for this data flow.
AQ-2: Annual ozone data	Country performance not evaluated in the period 2000-2002.				Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Country performance not evaluated in the period 2000-2003.					No data delivered for this data flow.
CDDA-1: Designated areas	Country performance not evaluated in the period 2000-2002.					No data delivered for this data flow.
EWN-1: River quality	Country performance not evaluated in the period 2000-2003.					River quality data for 38 stations provided with delay (20 December 2004).
EWN-2: Lake quality	Country performance not evaluated in the period 2000-2003.					Lake quality data for 13 lake stations provided with delay (21 December 2004).
EWN-3: Groundwater quality	Country performance not evaluated in the period 2000-2003.					Groundwater quality data for 16 stations provided with delay (20 December 2004).
ME-1: Marine data	Country performance not evaluated in the period 2000-2003.					No data delivered for this data flow.
TE-1: CLC-2000 update	Country performance not evaluated in the period 2000-2003.				Not applicable	Not applicable.
TE-2: Contaminated soil	Country performance not evaluated in the period 2000-2003.				Not applicable	No formal data flow in 2004.

**Table 3.30 Detailed data flow analysis for Slovakia**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data						Short time series for all requested pollutants delivered on time.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	Not applicable	Not applicable	Not applicable	Data flow is relevant for EU MS but new members were not required to deliver in 2004.
AE-2: UNFCCC data						Full time series. Delivered on time in CDR.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			Not applicable		Full time series delivered with a slight delay to ETC ACC, later posted to CDR. Partial information in requested format. Inventory report provided.
AQ-1: Eol data						Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000				Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.					Exceedance information delivered each month from April to September. Additional summer report on time. Station metadata has been provided.
CDDA-1: Designated areas	Not applicable	Not applicable				Delivery on time in national repository and later copied to CDR. 1192 (16 new) sites. 93% have information on size; 96% have information on IUCN category and geographical coordinates. No information provided for altitude or habitats.
EWN-1: River quality						Data delivered on time, but not in the requested format. However, long time series are available. All stations identified. Hazardous substances data provided.
EWN-2: Lake quality					Not applicable	Country does not have any relevant lakes.
EWN-3: Groundwater quality						Data provided on time and in the requested format. General description and selected quality data available. Saltwater intrusion and GIS data provided. Data on hazardous substances and pesticides available.
ME-1: Marine data	Not applicable					Country does not have a coastline.
TE-1: CLC-2000 update	Not included in 2000					National project on schedule at 31/12/2004. Data accepted in 2004.
TE-2: Contaminated soil	Not included in 2000	Not applicable			Not applicable	No formal data flow in 2004.

**Table 3.31 Detailed data flow analysis for Slovenia**

















































































































































Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data	😊😊	😊	😊	😊😊	😊	2003 data delivered on time in CDR. Information on additional pollutants also provided.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	Not applicable	Not applicable	😊😊😊	Time series for 2002-2003 delivered on time to CDR. Later revised. Requested format used.
AE-2: UNFCCC data	😞	😊😊	😊	😊😊😊	😊😊😊	Full time series delivered on time in CDR (posted under EU)
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			Not applicable	😊😊😊	Full time series delivered on time in CDR. Revised deliveries in requested format.
AQ-1: Eol data	😊😊😊	😊	😊😊😊	😊😊😊	😊😊😊	Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000	😊	😊😊😊	😊😊😊	😊😊😊	Annual data for 2003 provided in AQ FWD questionnaire. Eol station codes provided. Station type provided.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.			😊😊	😊😊😊	Exceedance information delivered each month from April to September. Additional summer report on time. Station metadata has been provided.
CDDA-1: Designated areas	Not applicable	Not applicable	😊😊😊	😊😊	😊	Delayed delivery: 46 sites all having information on size and with valid IUCN categories.95% have coordinate information. No information on altitude or habitats.
EWN-1: River quality	😊😊	😊😊	😊😊😊	😊😊😊	😊😊😊	Data delivered on time, but not in the requested format. However, long time series are available. All stations identified. Hazardous substances data provided.
EWN-2: Lake quality	😊	😊	😊	😊😊	😊😊😊	Data delivered on time, but not in the requested format. Some long time series available. No data on hazardous substances available. All stations identified.
EWN-3: Groundwater quality	😊	😊😊😊	😊😊😊	😊😊	😊😊😊	Data tables provided in time, some GIS data delivered with delay. Quality data for Nitrate, Nitrite, Ammonium and Dissolved Oxygen provided. Data on hazardous substances and pesticides available.
ME-1: Marine data	😞	😊😊	😊	😊😊😊	😊😊😊	Data available via MEDPOL. Data on hazardous substances and nutrients available. Data on riverine inputs and direct discharges available.
TE-1: CLC-2000 update	Not included in 2000	😊😊	😊😊	😊😊😊	😊😊😊	National project on schedule at 31/12/2004. Data accepted in 2004. At least partial deliveries in national repository.
TE-2: Contaminated soil	Not included in 2000	Not applicable	😞	😊	Not applicable	No formal data flow in 2004.

**Table 3.32 Detailed data flow analysis for Spain**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data						Full time series. Additional data also provided. Delivered to CDR with a delay.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001				Time series for 2000-2003. Requested format used and posted to CDR but delivery very delayed. Information was sent earlier only to DG ENV.
AE-2: UNFCCC data						Full time series delivered on time to UNFCCC and later uploaded to CDR. National inventory report provided.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.					Full time series delayed delivery. Available in CDR.
AQ-1: Eol data						Data delivered with delay. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000				Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.					Exceedance information delivered each month from April to September. Additional summer report delayed. Requested station metadata has been provided except that relating to station type.
CDDA-1: Designated areas						No delivery by 31 July 2004.
EWN-1: River quality						Data delivered on time and in the requested format. Only short time series available. Response to the validation questionnaire provided.
EWN-2: Lake quality						No data delivery in 2004.
EWN-3: Groundwater quality						No data delivery in 2004.
ME-1: Marine data						No data delivery in 2004.
TE-1: CLC-2000 update	Not included in 2000					National project slightly delayed at 31/12/2004. Acceptance in progress. At least partial deliveries in national repository.
TE-2: Contaminated soil	Not included in 2000				Not applicable	No formal data flow in 2004.



**Table 3.33 Detailed data flow analysis for Sweden**







Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data		 	 	  	  	Full time series. Additional information also provided. Delivered on time to CDR.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	  	  	  	Time series for 1988-2003.delivery on time. Requested format used and posted to CDR.
AE-2: UNFCCC data		  	  	  	  	Full time series on time in CDR. National inventory report provided.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			  	  	Full time series on time to ETC ACC and later posted to CDR.
AQ-1: Eol data	  	  	  	  	  	Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000	  	  	  	  	Annual data for 2003 provided in AQ FWD questionnaire. Eol station codes provided. Station type provided. Also copy of the AQ data delivered to EMEP, which includes ozone.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.			 	  	Exceedance information delivered each month from April to September. Additional summer report on time. Station metadata has been provided.
CDDA-1: Designated areas		  	  			Delivery on time: 5112 (5 new) sites. 90% have information on co-ordinates, 72% on size and 49% have valid IUCN categories. 95% have information on altitude. No info on habitats. Quality statement provided.
EWN-1: River quality	 	 	 	 	  	Data delivered on time and in the requested format. Long time series for NH4 and P are available. Hazardous substances data provided. Response to validation questionnaire provided.
EWN-2: Lake quality		 	 	  	  	Data provided on time and in the requested format. Many long time series available (1983-2002). Some data on hazardous substances available. Nearly 75% of lake stations identified.
EWN-3: Groundwater quality		  	  	 	 	Data provided on time and in the requested format. General descriptions and quality data available. GIS data provided previously.
ME-1: Marine data		 	 	  	  	Data delivered on time. Data provided on: riverine inputs, pressures, direct discharges, nutrients, hazardous substances in biota, sediment, seawater.
TE-1: CLC-2000 update	Not included in 2000	 	  	  	  	National project on schedule at 31/12/2004. Data accepted in 2004. At least partial deliveries in national repository.
TE-2: Contaminated soil	Not included in 2000	  	  	  	Not applicable	No formal data flow in 2004.



**Table 3.34 Detailed data flow analysis for the United Kingdom**

Data flow name	2000	2001	2002	2003	2004	Remarks
AE-1: CLRTAP data	😊😊	😞	😊😊	😊😊😊	😊😊	Full time series. Additional information also provided. Delivered with slight delay to CDR and subsequently revised.
AE-1b: NEC data	Did not exist in 2000	Did not exist in 2001	😊😊	😊	😊😊	Time series for 2001-2003. Requested format used and posted to CDR but delivery delayed.
AE-2: UNFCCC data	😊😊😊	😊😊😊	😊😊😊	😊😊😊	😞	No information by 1 June 2005.
AE-2b: EU GHG data	Previously evaluated together with AE-2: UNFCCC data flow.			😊😊😊	😊😊	Full time series delivered with a slight delay to ETC ACC. Not available in CDR.
AQ-1: Eol data	😊😊😊	😊😊😊	😊😊😊	😊😊😊	😊😊😊	Data delivered on time. Data on particulate matter available for 2003.
AQ-2: Annual ozone data	Not included in 2000	😊😊😊	😊😊😊	😊😊😊	Not applicable	No formal data flow in 2004.
AQ-2b: Monthly ozone data	Previously evaluated together with AQ-2: Annual ozone data flow.			😊😊	😊😊	Exceedance information delivered each month from April to September. Additional summer report on time. No station metadata provided.
CDDA-1: Designated areas	😊	😊😊😊	😊😊😊	😞	😊	Delivery on time: 7754 (45 new) sites. 99% with information on size, 95% with valid IUCN categories and 94% with coordinates. No information on habitats or altitude. Improvement plan for inventory provided.
EWN-1: River quality	😊😊😊	😊😊	😊😊	😊😊	😊	Data delivered with delay (5 January 2005). Data for Scotland delivered on 10 February 2005. Scottish data include long time series and data for hazardous substances.
EWN-2: Lake quality	😊😊😊	😊	😊😊😊	😊	😊	Initial data delivery on time, but not released. Additional data delivered on 23 December 2004, but only released on 5 January 2005. Data for England, Wales, Northern Ireland and Scotland are available. Some data on hazardous substances available.
EWN-3: Groundwater quality	😊	😊	😊😊😊	😊	😊😊😊	Data provided on time and in the requested format. General description and selected quality data available. GIS data and data on hazardous substances and pesticides provided.
ME-1: Marine data	😊😊	😊😊	😞	😊😊	😊😊	Data on hazardous substances in biota available through ICES.
TE-1: CLC-2000 update	Not included in 2000	😊😊	😊😊	😊😊😊	😊😊	National project delayed at 31/12/2004. At least partial deliveries in national repository.
TE-2: Contaminated soil	Not included in 2000	😊😊	😊😊	😊😊	Not applicable	No formal data flow in 2004.

**Table 4 Additional countries (participating in selected data flows only)**

Country	Data flow name	2004	Remarks
Cyprus	AQ-2b: Monthly ozone data		Full time series delivered except for F-gases. Data delivered with delay to ETC/ACC. No information available in CDR. National inventory report provided.
Switzerland	AE-1: CLRTAP data		Short time series provided in latest format. All pollutants in criteria provided. Data delivered on time to ETC/ACC and later posted to CDR.
	AQ-1: Eol data		Data delivered on time to ETC/ACC and later posted to CDR. All requested information provided.
	AQ-2: Annual ozone data		Data provided in CDR.
	AQ-2b: Monthly ozone data		Information on ozone exceedances for each month and for the whole summer period provided, but with delay.
	CDDA-1: Designated areas		Information provided in CDR with delay.

