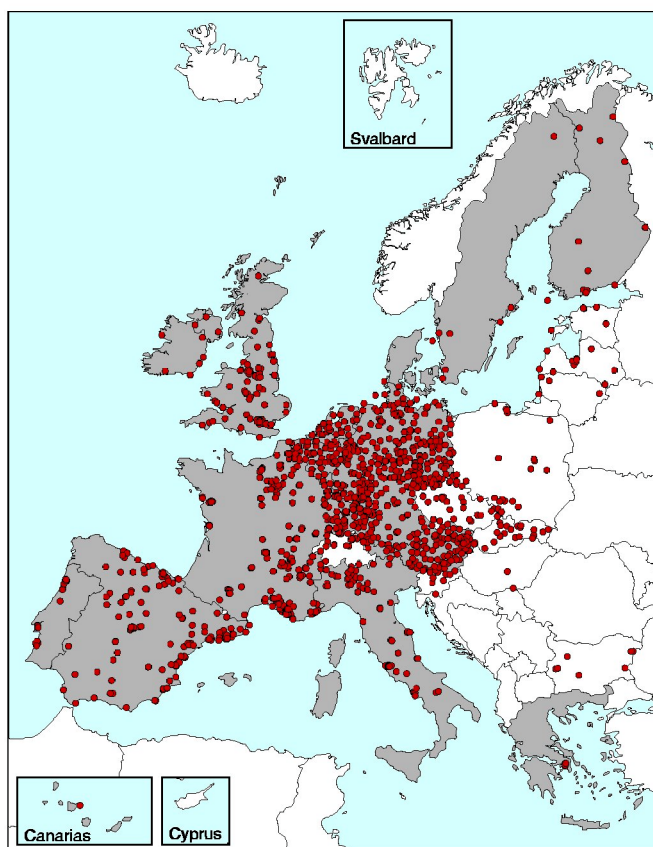


## EUROPEAN EXCHANGE OF AIR QUALITY MONITORING META INFORMATION IN 2000

European Environment Agency  
European Topic Centre on Air and Climate Change

### Ozone



Final draft  
July 2002

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EUROPEAN TOPIC CENTRE  
ON  
AIR AND CLIMATE CHANGE

## Executive Summary

According to Articles 4.5 and 5.6 of Decision 97/101/EC, the Commission shall prepare each year a technical report on meta information and air quality data exchanged, and make the information available to Member States in a database. The reports on meta information and on air quality data transmitted have been combined into this one technical report. As agreed between the Commission and the European Environment Agency (EEA), the European Topic Centre on Air and Climate Change (ETC/ACC) prepared the report and loaded the information into the AIRBASE database. Access to this information is provided via the ETC/ACC website <http://etc-acc.eionet.eu.int/databases/airbase.html>.

The results of the 2001 reporting cycle presented in this report cover data for 2000<sup>1</sup>. This report contains information from EU Member States; as well as from EFTA countries, Switzerland and Accession Countries, which have agreed to follow the data exchange procedures.

Nearly all countries, which updated their meta information, used the Air Quality Data Exchange Module (DEM) made available for this purpose by the ETC/ACC. Although some countries have not provided recent meta information on their networks and stations, the available meta information for most countries is up-to-date. Improvements are still needed in the quality of the descriptions of station environments.

26 countries in total including 14 EU Member States provided 2000 air quality data. Almost 9000 time series were transmitted, covering mainly SO<sub>2</sub>, NO<sub>2</sub>, NO, O<sub>3</sub>, Total Suspended Particulates, CO, Black Smoke, PM10 and Strong Acidity

Most countries provided 2000 data only. Several countries provided data from previous years, which were loaded into AIRBASE as time allowed.

In order to help other Member States to identify and fill historical data gaps, as requested in Article 5.4 of the Decision, an overview of the AIRBASE contents is included in this report.

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<sup>1</sup> Data which arrived later than 1 October 2001 and which could be processed until June 2002 is presented in this report as well. The overview gives the situation of June 2002.

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## 1. Introduction

EU countries have a long tradition for exchanging air quality data. The reciprocal exchange between countries and the Commission is based on a series of Council Decisions. The latest Decision (97/101/EC) 'establishing a reciprocal exchange of information and data from networks and individual stations measuring ambient air pollution within the Member States' (in short: 'EoI') was adopted by the European Council in 1997. Recently the annexes to the Decision have been amended in order to adapt the list of pollutants covered as well as requirements on additional information, validation and aggregation (Decision 2001/752/EC). For the year 2000, data submission still followed the original Annexes of the Decision.

According to Articles 4.5 and Article 5.6 of Decision 97/101/EC, the Commission shall prepare each year a technical report on meta information and air quality data exchanged, and make the information available to Member States in a database. According to Article 1.2 of Decision 97/101/EC, the Commission will call upon the European Environment Agency (EEA) with regard to the operation and practical implementation of the information system. The European Topic Centre on Air and Climate Change (ETC-ACC), under contract to EEA, is managing the database system AIRBASE. The information submitted under EoI is stored in AIRBASE and is made publicly available on the Internet via the ETC-ACC Website:

<http://etc-acc.eionet.eu.int/databases/airbase.html>

The technical reports on meta information transmitted and the technical report on air quality data transmitted have been combined into this report. As agreed between the Commission and the European Environment Agency (EEA), the European Topic Centre on Air and Climate Change (ETC-ACC) prepared the report and loaded the information into the AIRBASE database. This report contains information on EU Member States as well as from other European countries, which have agreed to follow the data exchange procedures.

## 2. Meta Information On Networks, Stations And Measurement Configurations

Decision 97/101/EC requests the Member States to transmit meta information on networks, stations and measurement configurations according to Annex II of the Decision. Also the non-EU-Member States, which are member of the EEA, are asked to deliver data in the framework of the EuroAirnet programme. A special software tool for collecting, managing and exchanging the requested meta information (Air Quality Data Exchange Module, fourth version; DEMv4) was made available to all data suppliers by ETC-ACC.

Table 1 summarises all meta information, which is available in AIRBASE. It concerns only the networks and stations which has delivered raw data. Stations, which only delivered statistics, are not considered. It concerns both the meta information, which comes from the APIS and GIRAFE databases (1993/1994), and the meta information reported by the DEM from 1997 (the first year of the DEM) until June 2002.

Country	First year of AQ data reporting	Last year of AQ data reporting	Nr of networks	Nr of stations <sup>1,2</sup>
<b>EU15</b>				
Austria	1993	2000	1	197
Belgium	1975	2000	5	284
Denmark	1976	2000	4	31
Finland	1990	2000	7	33
France	1968	2001	44	762
Germany	1976	2000	18	674
Greece	1983	2000	4	14
Ireland	1973	2000	55	16
Italy	1976	2000	62	266
Luxembourg <sup>3</sup>	1976	1993	3	5
Netherlands	1976	2000	2	89
Portugal	1986	2000	12	48
Spain	1986	2000	41	186
Sweden	1993	2000	3	30
United Kingdom	1969	2000	10	430
<b>other</b>				
Iceland <sup>3</sup>	1993	1994	1	3
Norway	1994	2001	5	20
Switzerland	1992	2000	13	35
Liechtenstein				
Albania				
Bosnia Herzog.	Note 4			
Bulgaria	1998	2000	1	52
Czech republic	1992	2000	1	58
Estonia	1997	2000	3	6
FYROM	1997	2000	3	27
Hungary	1997	2000	3	13
Latvia	1997	2000	2	14
Lithuania	1997	2000	2	7
Poland	1997	2000	1	52
Romania	Note 4			
Slovak republic	1995	2000	1	40
Slovenia	1997	2000	1	5

Note 1 : This number of stations only includes all stations for which AQ-raw-data (exclusive statistics) are available in AIRBASE. Thus, it includes stations that were operated in the past but not necessarily at present. Note 2 : AirBase contains a considerable number of stations for which no AQ-data is archived.

Note 3: Airbase contains also information from the APIS and GIRAFE databases (before 1997, the first year that the DEM is used to deliver the data); Luxembourg and Iceland has delivered data until 1993 and 1994.

Note 4: Bosnia Herzogawina and Romania has delivered only statistics.

**Table 1:** Summary of periods and number of stations for which AQ- data are available.

### 3. Meta Information On Air Quality Data

26 Countries in total including 14 Member States provided air quality data for the reporting year 2000, most of them using the DEM. Some countries provided (part of) their data in separate files. All delivered data for the reporting year 2000 has been successfully loaded in AirBase.

About 9000 (8810 to be exactly) time series were transmitted, covering mainly SO<sub>2</sub>, NO<sub>2</sub>, NO, O<sub>3</sub>, Total Suspended Particulates, CO, Black Smoke, PM10 and Strong Acidity.

Most countries provided 2000 data only. Upon request of the ETC/ACC, several countries provided data from previous years, which were loaded into AIRBASE as time allowed. A limited number of countries provided corrections on data submitted in earlier years; for all replacements, a confirmation by the data supplier was requested.

According to the EoI Decision the Member States are responsible for the validation of the data. The ETC/ACC is not responsible for the quality of the data. Nevertheless we noted that occasionally questionable data are found. The ETC/ACC will pay more attention on the detection and correction of these outliers.

This report presents an overview of available information by June 2002. In due course, a further processing of data that was transmitted at a later stage has been taken place. For the most recent overview of progress in processing the data, the reader is referred to the AIRBASE web site:

<http://etc-acc.eionet.eu.int/databases/airbase.html>

Table 2 presents the number of stations per station type and per pollutant for which countries transmitted 2000 air quality data.

Map 1a and 1b show the location of the stations for which 2000 air quality data was reported and uploaded to AIRBASE.

Table 3a and 3b separately give the number of stations for which hourly or daily 2000 data are loaded into AIRBASE. All stations with data are taken into account. So, no criteria of data coverage are considered.

Whereas table 2 gives the number of stations regardless of what kind of data (hourly or daily) was transmitted, table 3, in more detail, distinguishes between Member States as well as hourly (table 3a) and daily (table 3b) data. Thus, it is possible that the sum of stations in table 3a and b for a particular component is higher than the total number given in table 2.

**European Union**

type	Black smoke	CO	NO <sub>2</sub>	O <sub>3</sub>	Pb	PM10	SO <sub>2</sub>	TSP	Benzene
<i>reporting countries</i>	7	14	14	13	2	10	14	7	3
(sub)urban (background)	237	302	602	556	12	174	571	194	5
(sub)urban (traffic/industrial)	22	386	503	235	25	155	457	195	18
(sub)urban (unknown)	2	6	16	8	0	6	32	7	0
rural	13	56	303	343	7	45	348	113	1
unknown	4	62	149	109	0	31	126	59	0
total number of stations	278	812	1573	1251	44	411	1534	568	24

**Other countries**

type	Black smoke	CO	NO <sub>2</sub>	O <sub>3</sub>	Pb	PM10	SO <sub>2</sub>	TSP	Benzene
<i>reporting countries</i>	2	7	10	10	1	7	11	3	0
(sub)urban (background)	22	40	85	66	23	70	89	37	0
(sub)urban (traffic/industrial)	12	21	37	29	0	24	39	1	0
(sub)urban (unknown)	0	0	0	0	0	0	0	0	0
rural	0	7	50	50	0	27	41	0	0
total number of stations	34	68	172	145	23	121	169	38	0

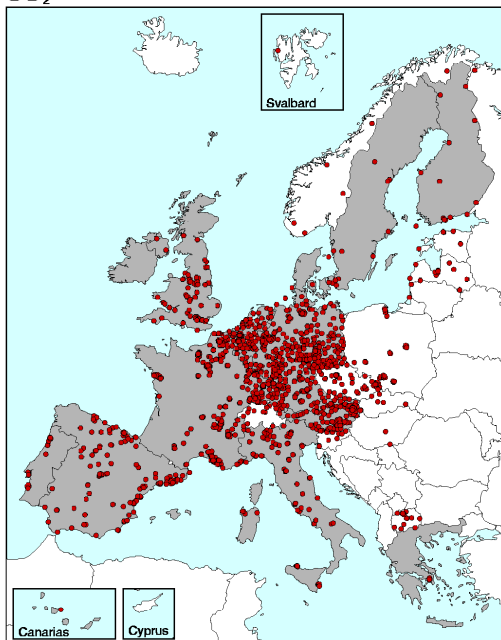
**All countries**

type	Black smoke	CO	NO <sub>2</sub>	O <sub>3</sub>	Pb	PM10	SO <sub>2</sub>	TSP	Benzene
total number of stations	312	880	1745	1396	67	532	1703	606	24

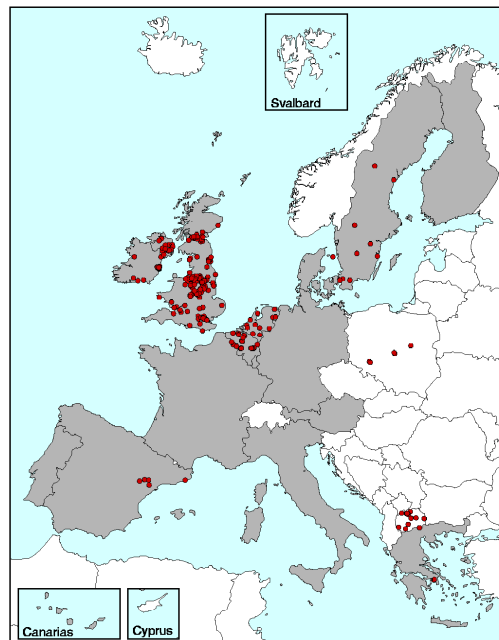
**Table 2.** Number of stations (disaggregated per station type) per pollutant for which countries transmitted 2000 AQ data (Status June 2002)

## Stations reporting air quality data during 2000 in the framework of Decision 97/101/EC

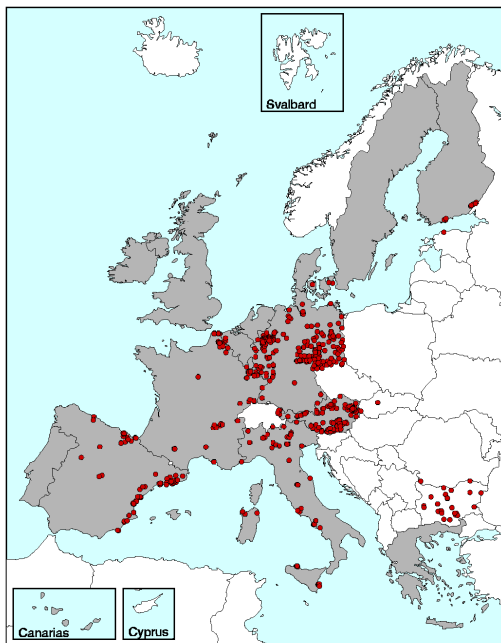
SO<sub>2</sub>



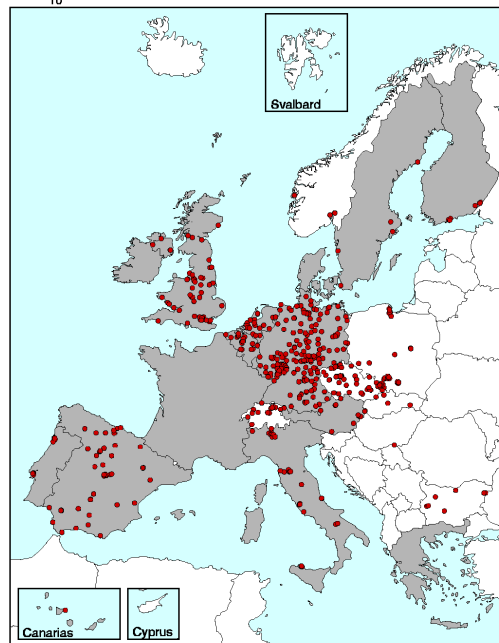
Black smoke



TSP



PM<sub>10</sub>



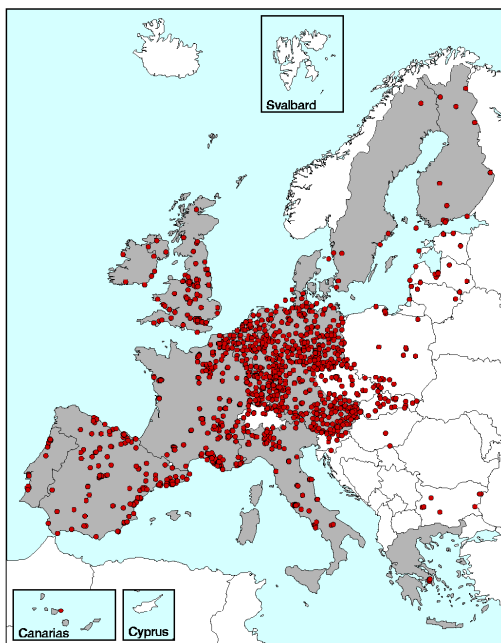
Maps produced by the European Topic Centre on Air and Climate Change

**Map 1a:** Location of stations for which 2000 air quality data was reported and uploaded in AIRBASE.

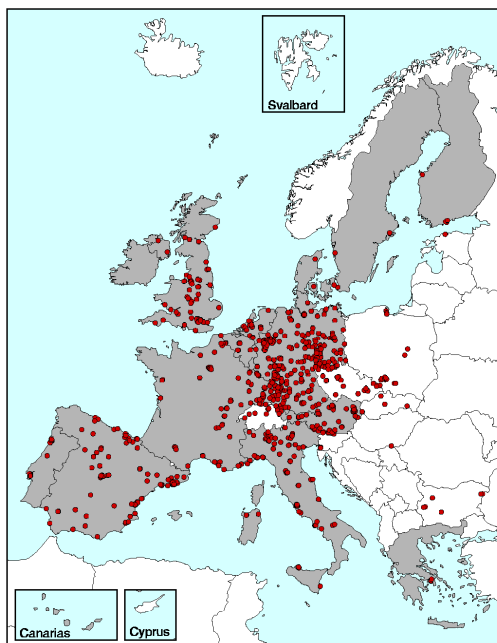


## Stations reporting air quality data during 2000 in the framework of Decision 97/101/EC (cntd.)

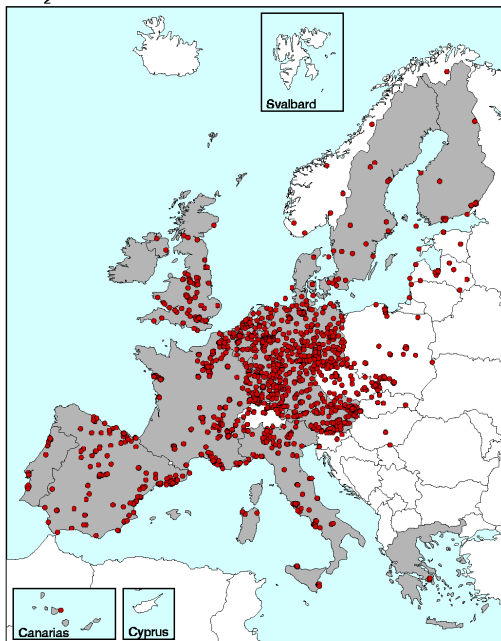
Ozone



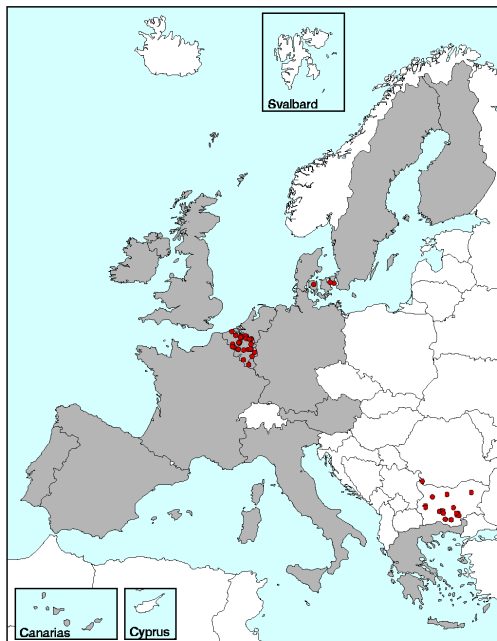
CO



NO<sub>2</sub>



Pb



Maps produced by the European Topic Centre on Air and Climate Change

**Map 1b :** Location of stations for which 2000 air quality data was reported and uploaded in AIRBASE.

	Austria	Belgium	Bulgaria	Czech Republic	Denmark	Estonia	Finland	France	F.Y.R.O. M.	Germany	Greece	Hungary	Ireland	Italy	Latvia	Lithuania	Netherlands	Norway	Poland	Portugal	Slovak Republic	Slovenia	Spain	Sweden	Switzerland	United Kingdom	All Countries
SO2	15 3	66		56			9	42 6		44 6	9	1	2	95	12		38	1		25	8	3	14 1	5	15	67	1152
NO2	14 6	42		57	8	4	16	42 6		47 3	10	1	2	12 6	12		45	2	30	29	8	2	14 3	7	29	87	1705
PM10	3						8			19 9		1		31			20	4		10	5		50	7	1	55	394
CO	61	8	6	26	4	1	5	89		32 0	8	1	1	10 2			21		18	23	5		10 0	5	11	65	880
O3	11 3	31	7	35		5	13	34 8		38 2	9	2	6	65	13	3	38		22	23	23	5	14 1	8	30	74	1396
Benzene														19													19
NO	14 6	41			8					47 5	10	1		88			45			29			13 9		26		1008
NOX				57		4	15					1		10 0				2	29		8	2		4	26	87	335
NH3			9											2			9										20
TSP	11 9									21 9				60							2		74				474
H2S			29											6													35
C6H5-CH3														9													9
NM-VOC																									3		3
T-VOC														6									12				18
PAN														4													4
HCl			1																								1
CH4														18									5				23
H2SO4			3																								3



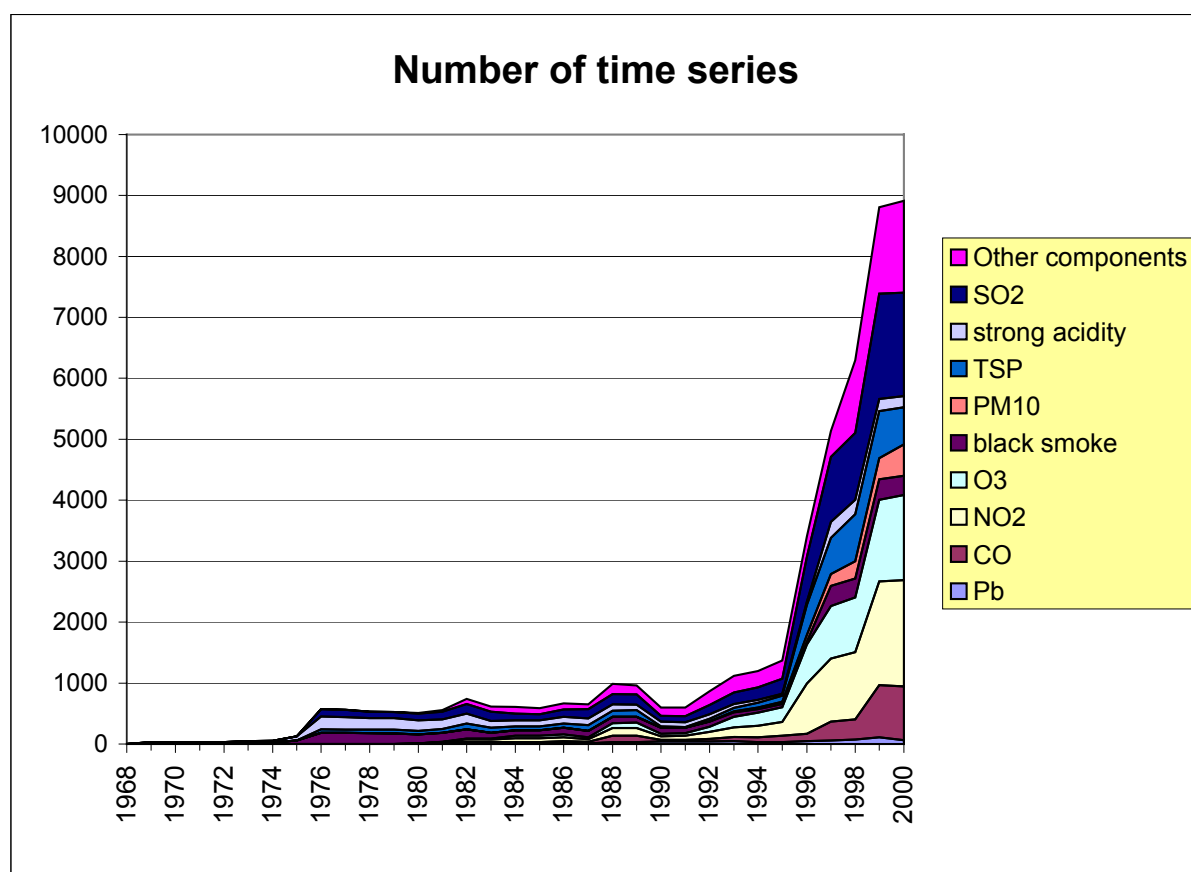


## 4. Overview Of Airbase Contents

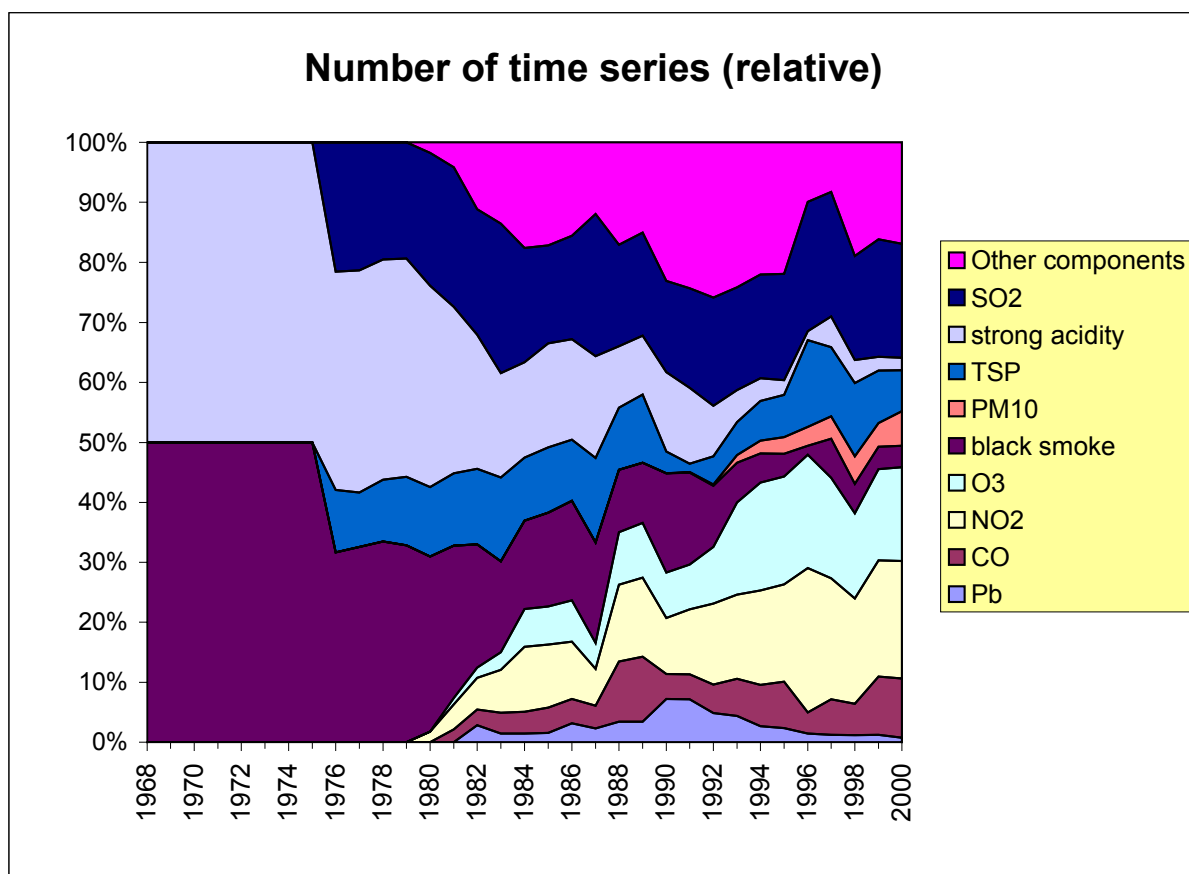
The reciprocal exchange of air quality information in the European Union has a history of more than 25 years starting with the Decision 75/441/EEC. In the most recent Decision 97/101/EC, EU Member States are requested to transmit, as far as possible, data for those stations, which took part in the exchange established by Decision 82/459/EC (article 5.4). Long-term time series are indispensable in the assessment of air quality changes resulting from abatement measures or other processes.

Figure 1 presents the total number of time series (main pollutants) transmitted for Europe in the period 1968-1999, while Figure 2 shows the relative contribution of all pollutants to the total for the same period.

The number of time series exchanged in the period 1990-1995 dropped considerably compared to 1988 - 1989. The exchange was voluntary in this period (no Decision was in force). We try to get this period more complete by asking the countries to submit also historical data. 1996 and especially 1997 shows a sharp rise in the number of series exchanged. From 1997 onward, the exchange is obligatory again in the framework of Decision 97/101/EC; moreover, the exchange now includes non-EU countries in the framework of EEA/EuroAirnet. The number of series exchanged in 2000 stabilised at about 8810.



**Figure 1.** Number of time series transmitted and included in AIRBASE for main pollutants, 1968-2000. Situation per June 2002. The "other components" are: Benzene, H<sub>2</sub>S, HC, NO, NH<sub>3</sub>, NO<sub>x</sub>, Tot VOC, NM-VOC, Arsenic, Nickel, Cadmium, SO<sub>4</sub>-part, Zinc, Copper, Mercury, Chromium, Manganese, Toluene, Benzo(a)Pyrene, Peroxyacetyl nitrate, Wet sulphur deposition, HCl, Methane, Wet deposition, HC C<sub>2</sub>-C<sub>6</sub> (excl. AROM & Chlorinated hydrocarbons), H<sub>2</sub>SO<sub>4</sub> aerosols, Total Nitrate, Total Ammonium, Radioactivity and pH.



**Figure 2.** Relative number of time series transmitted and included in AIRBASE for main pollutants, 1968-2000. Situation per June 2002.

Tables 4- 42 present a historical overview of the number of time series transmitted per country per pollutant.

The components are: SO<sub>2</sub>, Strong Acidity, TSP, PM<sub>10</sub>, Black Smoke, Ozone, NO<sub>2</sub>, CO, Pb. The “other” components are: Benzene, H<sub>2</sub>S, HC, NO, NH<sub>3</sub>, NO<sub>x</sub>, T-VOC, NM-VOC, Arsenic, Nickel, Cadmium, SO<sub>4</sub>part, Zinc, Copper, Mercury, Chromium, Manganese, Toluene, Benzo(a)Pyrene, Peroxyacetyl nitrate, Wet sulphur deposition, HCl, Methane, (Wet deposition), HC C<sub>2</sub>-C<sub>6</sub> (excl. AROM & CHLH), H<sub>2</sub>SO<sub>4</sub> aerosols (=SO<sub>4</sub> part.), Total Nitrate, Total Ammonium, Radioactivity and pH.

## 5. Conclusions

26 Countries in total including 14 Member States provided air quality data for the reporting year 2000. All delivered data for the reporting year 2000 has been successfully loaded in AIRBASE.

About 9000 (8810 to be exact) time series were transmitted, covering mainly SO<sub>2</sub>, NO<sub>2</sub>, NO, O<sub>3</sub>, Total Suspended Particulates, CO, Black Smoke, PM<sub>10</sub> and Strong Acidity.

The well-established data flow using the DEM allows the ETC/ACC to handle growing number of time series. The number of stations reported in the EU is stabilising but increases in other countries. Still, the majority of stations is located in EU15. The historical overview of the database contents still shows that there are considerable data gaps in the recent period

1989-1998. These gaps are a serious restriction for the evaluation of representative trends in air quality at the EU level.

In this overview all stations with data are counted. In the future ETC/ACC will take also data coverage into account.

According to the EoI Decision the Member States are responsible for validation of their data. Nevertheless ETC/ACC noted that occasionally questionable data are delivered. ETC/ACC will take more attention to detection and correction of these outliers.





Country	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	27	27	137	145	149	153
BE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	54	59	60	59	61	61	61	61	60	66
DE	58	55	42	47	57	73	73	72	32	35	23	78	92	93	0	0	5	0	0	0	481	447	435	406	446
DK	6	6	6	6	6	5	16	12	12	12	12	8	7	7	0	3	3	2	2	2	2	4	4	4	3
ES	0	0	0	0	0	0	0	0	0	0	18	17	17	15	15	15	13	14	0	12	10	99	107	151	141
FI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	6	6	5	7	9	16	14	13
FR	0	0	0	0	0	2	19	19	21	20	19	19	19	20	6	0	0	0	0	0	0	0	0	475	464
GB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	25	28	42	64	65	64	67
GR	0	0	0	0	0	0	0	3	5	3	3	3	3	3	3	3	3	3	3	3	0	9	0	7	9
IE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
IT	28	27	24	17	16	16	14	15	7	8	3	2	3	2	0	0	0	0	0	0	0	0	0	128	95
LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NL	32	32	32	32	34	33	32	32	39	18	31	21	21	21	20	20	20	19	13	13	13	39	39	37	38
PT	0	0	0	0	0	0	0	0	0	0	6	7	5	4	3	3	3	0	0	0	0	17	18	22	25
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	0	0	9	11	11	12
BG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	49	0
CH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	28	24	27	28	26	26	22	15
CZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	34	55	56	57	56	56	58	56
EE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6	6	5
HU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	1	2	2
IS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0
LT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	1
LV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	7	14
MK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	23	15	23
PL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	13	26	34
SI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	3
SK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	31	9	9	8
Total	124	120	104	102	113	129	154	153	116	96	115	155	167	165	91	100	156	192	207	242	736	1067	1093	1725	1695

**Table 4:** Historical overview AIRBASE, Number of time series for **Sulphur Dioxide**. Situation per June 2002.

Country	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
BE	0	0	0	0	0	0	0	36	36	37	39	39	38	38	37	34	27	34	34	34	33	33	49	49	49	38	26	16	34	46	16	0	0	
DK	0	0	0	0	0	0	0	0	6	6	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FR	1	1	1	1	1	2	5	5	73	70	58	59	46	38	44	39	39	32	36	36	36	30	1	0	0	0	0	0	0	0	0	0	0	
GB	0	15	16	16	16	18	18	18	82	83	80	76	70	67	70	22	23	23	23	23	19	18	17	16	15	14	13	12	210	224	201	183		
IE	0	0	0	0	0	4	4	4	7	7	7	7	6	6	9	8	8	8	8	8	8	7	6	6	6	5	5	5	4	0	0	0	0	
LU	0	0	0	0	0	0	0	0	5	5	5	5	5	5	5	4	0	5	5	5	5	3	3	3	3	1	0	0	0	0	0	0	0	
PT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	5	0	3	3	2	0	0	0	0	0	0	0	0	0	
Total	1	16	17	17	17	24	27	63	209	208	195	192	171	154	165	107	97	102	112	111	101	94	79	76	73	59	45	34	51	260	240	201	183	

**Table 5:** Historical overview AIRBASE, Number of time series for **Strong Acidity**. Situation per June 2002.

Country	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	16	16	111	121	122	119
DE	38	35	36	42	41	54	56	56	32	35	32	62	71	85	11	0	4	0	0	0	445	359	343	294	219
DK	6	6	6	6	6	5	16	12	12	12	12	6	7	7	0	0	0	2	2	2	2	4	4	4	3
ES	0	0	0	0	0	0	0	0	0	0	10	10	10	10	9	8	8	9	0	9	9	77	81	97	74
FI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	3	5	11	10	10
FR	0	0	0	0	0	0	13	11	12	11	5	5	5	5	1	0	0	0	0	0	0	0	0	121	83
GR	0	0	0	0	0	0	0	0	3	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
IT	16	10	13	12	12	8	8	7	5	5	3	3	4	2	0	0	0	0	0	0	0	0	0	77	60
PT	0	0	0	0	0	0	0	0	0	0	5	5	4	0	1	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0	0	0	0	0
BG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	37	35
CH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	10	10	12	2	1	0	0
CZ															0	0	18	33	52	50	0	0	0	0	0
EE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
HU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0
SK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	6	26	7	8	2
Total	60	51	55	60	59	67	93	86	64	64	68	92	102	109	22	8	41	62	79	96	493	593	504	771	606

**Table 6:** Historical overview AIRBASE, Number of time series for **TSP**. Situation per June 2002.

Country	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
AT	0	0	0	0	0	0	0	0	0	8
BE	0	0	0	0	8	10	14	18	20	22
DE	0	0	0	0	0	0	0	63	35	199
ES	0	0	0	0	0	0	25	35	66	50
FI	1	1	2	2	2	2	3	8	8	9
GB	0	0	10	15	19	33	49	50	51	55
IE	0	0	0	0	0	0	0	0	4	0
IS	0	0	0	2	0	0	0	0	0	0
IT	0	0	0	0	0	0	0	0	34	31
NL	0	0	0	0	0	0	19	19	19	20
PT	0	0	0	0	0	0	1	2	8	10
SE	0	0	0	0	0	0	0	2	4	7
BG	0	0	0	0	0	0	0	4	0	7
CH	0	1	2	1	1	1	15	16	17	20
CZ	0	0	0	0	0	55	56	56	57	56
HU	0	0	0	0	0	0	0	0	0	1
NO	0	0	0	6	8	7	3	5	5	4
PL	0	0	0	0	0	0	8	8	19	28
LT	0	0	0	0	0	0	0	0	1	0
SK	0	0	0	0	0	0	0	0	3	5
Total	1	2	14	26	38	108	193	286	347	519

**Table 7:** Historical overview AIRBASE, Number of time series for **PM**<sub>10</sub>. Situation per June 2002.

Country	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
BE	0	0	0	0	0	0	0	36	36	37	39	39	38	38	37	34	28	34	34	34	33	33	49	49	49	38	28	20	22	52	27	28	26
DK	0	0	0	0	0	0	0	0	6	6	6	6	6	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	5	5	5	4	4	0	3	2	1	1	11	4
FR	1	1	1	1	1	2	5	5	45	44	40	39	23	19	25	25	25	19	26	26	26	23	5	0	0	0	0	0	0	0	0	0	0
GB	0	15	16	16	16	18	18	18	83	84	81	77	71	68	71	22	23	23	23	23	19	18	17	16	15	14	14	13	12	210	224	201	183
GR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	3	4	4	3	3	3	3	3	3	0	6	0	5	5
IE	0	0	0	0	0	4	4	4	7	7	7	7	6	6	9	8	8	8	8	8	8	7	6	6	6	6	5	5	5	4	0	35	35
LU	0	0	0	0	0	0	0	0	5	5	5	5	5	5	5	4	4	5	5	5	5	3	3	3	3	1	0	0	0	0	0	0	0
NL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	8	8	8	8	14	14	14	15	
PT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	5	2	3	3	2	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	11	12	10
PL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	8	7
MK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	26	19	27
Total	1	16	17	17	17	24	27	63	182	183	178	173	149	141	151	93	90	92	111	110	103	96	99	92	88	74	58	52	49	333	309	333	312

**Table 8:** Historical overview AIRBASE, Number of time series for **Black Smoke**. Situation per June 2002.

Country	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
AT	0	0	0	0	0	0	0	0	0	0	0	0	64	94	98	106	110	110	111	113
BE	0	0	0	0	1	4	4	4	4	12	12	14	14	16	24	28	27	31	31	31
DE	0	0	0	20	21	21	0	56	60	0	0	3	0	0	0	372	369	363	335	382
DK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	7	0
ES	0	0	0	0	0	0	3	3	2	2	3	3	2	0	2	0	100	113	138	141
FI	0	0	0	0	0	0	0	0	0	2	2	2	5	5	10	10	12	12	13	13
FR	0	4	7	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	340	348
GB	0	3	3	3	3	3	3	3	2	4	3	3	27	32	35	50	71	72	71	74
GR	0	0	2	2	0	0	2	3	3	3	3	3	3	3	3	0	8	0	7	9
IE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
IT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	65
NL	6	6	6	6	6	17	15	15	15	20	20	20	17	17	17	17	37	37	37	38
PT	0	0	0	0	0	1	1	2	2	2	2	2	0	0	0	0	9	13	16	23
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	8
BG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	7
CH	0	0	0	0	0	0	0	0	0	0	0	0	30	29	32	33	33	32	32	30
CZ	0	0	0	0	0	0	0	0	0	0	0	2	11	19	25	29	31	34	34	35
EE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	5	5
HU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	2	2
LT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	3	3
LV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	5	13
NO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	0
PL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	19	20	22
SI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5	5
SK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	15	0	23
Total	6	13	18	38	37	46	28	86	88	45	45	82	172	215	246	645	862	895	1338	1396

**Table 9:** Historical overview AIRBASE, Number of time series for **Ozone**. Situation per June 2002.

Country	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	25	130	131	138	143	146
BE	7	7	7	7	7	6	8	8	8	8	26	27	30	30	30	30	33	28	37	37	42
DE	0	0	0	0	17	20	19	0	86	86	0	0	0	0	0	0	470	450	444	424	473
DK	0	0	7	7	7	7	7	8	7	7	0	3	3	2	2	2	2	4	8	8	8
ES	0	0	0	0	0	0	0	0	0	0	0	6	6	9	0	9	9	100	109	142	143
FI	0	0	0	0	0	0	0	0	0	0	2	2	2	5	5	6	6	8	16	17	16
FR	0	0	8	11	11	10	0	0	0	0	0	0	0	0	0	0	0	0	0	412	426
GB	2	2	2	2	2	1	1	2	2	2	3	2	2	23	27	31	53	82	85	85	87
GR	0	0	0	3	3	3	3	3	3	3	3	3	3	3	3	3	0	9	0	7	10
IE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2
IT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	127	126
NL	0	14	15	14	19	15	25	18	18	18	20	20	20	18	17	17	17	44	44	44	45
PT	0	0	0	0	0	0	1	1	2	2	2	2	2	0	0	0	0	19	21	25	29
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	0	0	16	17	20	20
BG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	48	0
CH	0	0	0	0	0	0	0	0	0	0	0	0	28	29	29	31	32	32	32	32	29
CZ	0	0	0	0	0	0	0	0	0	0	0	0	21	32	53	55	56	42	56	58	57
EE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6	5	4
HU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	1	2	2
LT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	1
LV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	7	14
NO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	4	2	11	11	8
PL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15	36	47
SI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	2
SK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	31	9	9	8
Total	9	23	39	44	66	62	64	40	126	126	56	65	117	157	188	222	820	1034	1105	1705	1745

**Table 10:** Historical overview AIRBASE, Number of time series for **Nitrogen Dioxide**. Situation per June 2002.

Country	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	15	15	60	66	61	61
BE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	4	9	9	8
DE	0	0	0	0	0	3	1	0	73	78	0	0	0	0	0	0	0	0	0	301	320
DK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4
ES	0	0	0	0	0	0	0	5	6	5	5	5	5	8	0	7	7	75	81	93	100
FI	0	0	0	0	0	0	0	0	0	0	2	2	2	3	3	4	4	6	6	6	5
FR	0	0	4	5	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	95	89
GB	0	0	2	2	2	1	1	1	1	2	3	2	2	2	22	25	39	59	63	62	65
GR	0	0	0	2	2	3	3	3	3	3	2	3	3	3	3	3	0	8	0	7	8
IE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1
IT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105	102
NL	0	12	13	12	12	13	22	16	16	16	13	13	13	9	8	8	8	21	21	21	21
PT											0	0	0	0	0	0	0	11	13	17	23
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5
BG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	6
CH	0	0	0	0	0	0	0	0	0	0	0	0	15	15	14	13	15	16	16	14	11
CZ	0	0	0	0	0	0	0	0	0	0	0	0	1	14	22	24	26	26	26	27	26
EE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
HU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	1	1
LT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	0
PL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	11	18
SK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	7	5	5	5
Total	0	12	19	21	22	25	27	25	99	104	25	25	41	69	82	106	121	305	328	858	880

**Table 11:** Historical overview AIRBASE, Number of time series for **Carbon Monoxide**. Situation per June 2002.

Country	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
BE	8	8	8	8	8	8	8	8	43	43	42	42	29	26	47	52	46	57	41
DE	0	0	0	0	0	0	18	18	0	0	0	0	0	0	0	0	0	0	0
DK	12	0	0	0	12	6	7	7	0	0	0	2	2	2	2	4	4	4	3
ES	0	0	0	0	0	0	0	0	0	0	0	4	0	4	0	7	2	24	0
FI	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
IE	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
BG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	23	23
Total	21	9	9	9	21	15	34	33	43	43	42	49	32	32	49	63	76	108	67

**Table 12:** Historical overview AIRBASE, Number of time series for **Lead**. Situation per October 2000.



All components previously referred to as “other components”:

Country	1994	1995	1996	1997	1998	1999	2000
BE	5	8	9	13	10	13	1
DE	0	0	0	0	0	49	0
ES	0	0	0	0	0	0	0
GB	0	0	0	0	0	0	0
IT	0	0	0	0	0	20	19
NL	0	0	0	4	4	4	4
FI	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
BG	0	0	0	0	0	0	0
CH	1	2	1	1	0	0	0
CZ	0	0	0	0	0	0	0
IS	0	0	0	0	0	0	0
NO	0	0	0	0	0	0	0
PL	0	0	0	0	0	0	0
Total	6	10	10	18	14	86	24

**Table 13:** Historical overview of AIRBASE, Number of time series for **Benzene**. Situation per June 2002.

Country	1997	1998	1999	2000
BG	0	34	37	29
SK	6	2	0	0
IT	0	0	10	6
Total	6	36	47	35

**Table 14:** Historical overview of AIRBASE, Number of time series for **H<sub>2</sub>S**. Situation per June 2002.

Country	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
ES	1	1	1	0	0	0	0	0	0	0
Total	1	1	1	0	0	0	0	0	0	0

**Table 15:** Historical overview of AIRBASE, Number of time series for **HC**. Situation per June 2002.

Country	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	132	143	146
BE	7	7	7	7	7	6	8	8	8	8	26	27	30	30	30	30	33	28	37	37	41
DE	0	0	0	0	17	18	18	0	67	45	0	0	2	0	0	0	0	0	444	423	475
DK	0	0	7	7	7	7	7	8	7	7	0	3	3	2	2	2	2	0	8	8	8
ES											0	0	0	0	0	0	0	0	0	0	139
FI	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	5	14	0	0
FR	0	0	8	11	11	10	0	0	0	0	0	0	0	0	0	2	2	5	14	0	0
GB	2	2	2	2	2	1	1	2	2	2	3	2	2	23	27	31	0	0	85	0	0
GR	0	0	0	0	0	0	0	3	3	3	0	0	0	0	0	0	0	9	0	7	10
IT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	88
NL	0	14	15	14	19	15	25	18	18	18	20	20	20	18	17	17	17	29	44	44	45
PT	0	0	0	0	0	0	1	1	2	2	2	1	0	0	0	0	0	19	21	25	29
CH	0	0	0	0	0	0	0	0	0	0	0	0	25	27	26	26	27	27	27	27	26
BG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	6	0
HU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	1	1
LT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	0
Total	9	23	39	41	63	57	60	40	107	85	51	53	82	101	103	110	83	131	834	806	1008

**Table 16:** Historical overview of AIRBASE, Number of time series for **Nitrogen Monoxide**. Situation per June 2002.

Country	1997	1998	1999	2000
BG	0	9	11	9
IT	0	0	2	2
NL	8	8	8	9
Total	8	17	21	20

**Table 17:** Historical overview of AIRBASE, Number of time series for **Ammonium**. Situation per June 2002.

Country	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
DE	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0
FI	0	0	0	0	0	0	0	0	0	0	2	2	2	3	3	3	3	3	14	15	15
FR	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53	0	0	85	87
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	4
PT	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0
BG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
CH	0	0	0	0	0	0	0	0	0	0	0	0	26	27	27	27	27	27	27	27	26
CZ	0	0	0	0	0	0	0	0	0	0	0	0	22	34	55	56	57	56	56	0	57
EE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	4
HU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
LT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	0
NO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	4	0	4	4	2
PL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	18	29
SI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	2
SK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	31	9	9	8
Total	0	0	0	0	1	1	1	1	5	3	2	2	50	64	88	99	152	122	121	171	235

**Table 18:** Historical overview of AIRBASE, Number of time series for **Nitrogen Oxides**. Situation per June 2002.

Country	1996	1997	1998	1999	2000
ES	0	19	21	32	12
IT	0	0	0	0	6
CH	2	0	0	0	0
Total	0	19	21	32	18

**Table 19:** Historical overview of AIRBASE, Number of time series for **Total VOC**. Situation per June 2002.

Country	1992	1993	1994	1995	1996	1997	1998	1999	2000
BG	0	0	0	0	0	0	3	0	0
CH	3	3	3	3	3	3	3	3	3
IT	0	0	0	0	0	0	0	32	0
Total	3	3	3	3	3	3	6	35	3

**Table 20:** Historical overview of AIRBASE, Number of time series for **NM VOC**. Situation per June 2002.

Country	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
BE	11	9	8	8	8	13	12	15	18	31	26
DK	0	0	0	0	0	0	0	0	4	4	3
Total	11	9	8	8	8	13	12	22	22	35	29

**Table 21:** Historical overview of AIRBASE, Number of time series for **Arsenic**. Situation per June 2002.

Country	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
BE	9	16	16	16	10	22	22	28	32	41	31
DK	0	0	0	0	0	0	0	0	4	4	3
Total	9	16	16	16	10	22	22	28	32	45	34

**Table 22:** Historical overview of AIRBASE, Number of time series for **Nickel**. Situation per June 2002.

Country	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
BE	8	8	8	8	8	8	8	8	42	42	41	41	22	38	41	42	37	46	28
DE	0	0	0	0	0	0	18	18	0	0	0	0	0	0	0	0	0	0	0
DK	12	11	12	12	12	6	7	7	0	0	0	2	2	2	2	0	4	4	3
BG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0
Total	20	19	20	20	20	14	33	33	42	42	41	43	24	40	43	42	43	52	31

**Table 23:** Historical overview of AIRBASE, Number of time series for **Cadmium**. Situation per June 2002.

Country	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
BE	7	7	7	7	7	7	7	7	7	7	7	8	4	0	3	0	0	0	0
FI	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	6	6	0	0	0	0	5	4
IS	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
NO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	7
Total	7	7	7	7	7	7	7	7	7	7	7	17	13	0	3	0	0	5	4

**Table 24:** Historical overview of AIRBASE, Number of time series for **SO<sub>4</sub> particles**. Situation per June 2002.

Country	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
BE	8	8	8	8	8	8	8	8	8	8	8	8	3	0	3	0	0	0	0
Total	8	8	8	8	8	8	8	8	8	8	8	8	3	0	3	0	0	0	0

**Table 25:** Historical overview of AIRBASE, Number of time series for **Zinc**. Situation per June 2002.

Country	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
BE	8	8	8	8	8	8	8	8	8	8	8	8	3	0	3	0	0	0	0
Total	8	8	8	8	8	8	8	8	8	8	8	8	3	0	3	0	0	0	0

**Table 26:** Historical overview of AIRBASE, Number of time series for **Copper**. Situation per June 2002.

Country	1999	2000
BE	1	1
Total	1	1

**Table 27:** Historical overview of AIRBASE, Number of time series for **Mercury**. Situation per June 2002.

Country	1998	1999	2000
DK	4	4	3
Total	4	4	3

**Table 28:** Historical overview of AIRBASE, Number of time series for **Chromium**. Situation per June 2002.

Country	1998	1999	2000
DK	4	4	3
Total	4	4	3

**Table 29:** Historical overview of AIRBASE, Number of time series for **Manganese**. Situation per June 2002.

Country	1994	1995	1996	1997	1998	1999	2000
CH	1	2	1	1	0	0	0
IT	0	0	0	0	0	15	9
NL	0	0	0	4	4	4	4
Total	1	2	1	5	4	19	13

**Table 30:** Historical overview of AIRBASE, Number of time series for **Toluene**. Situation per June 2002.

Country	1999	2000
IT	1	0
Total	1	0

**Table 31:** Historical overview of AIRBASE, Number of time series for **Benzo(a)Pyrene**. Situation per June 2002.

Country	1999	2000
IT	3	4
Total	3	4

**Table 32:** Historical overview of AIRBASE, Number of time series for **Peroxyacetyl nitrate**. Situation per June 2002.

Country	1997	1998	1999	2000
SE	1	1	0	0
Total	1	1	0	0

**Table 33:** Historical overview of AIRBASE, Number of time series for **Wet sulphur deposition**. Situation per June 2002.

Country	2000
BG	1
Total	1

**Table 34:** Historical overview of AIRBASE, Number of time series for **HCl**. Situation per June 2002.

Country	1997	1998	1999	2000
ES	17	15	27	5
IT	0	0	12	18
Total	17	15	39	23

**Table 35:** Historical overview of AIRBASE, Number of time series for **Methane**. Situation per June 2002.

Country	1997	1998	1999	2000
SE	1	0	0	0
Total	1	0	0	0

**Table 36:** Historical overview of AIRBASE, Number of time series for **Wet deposition**. Situation per June 2002.

Country	1995	1996	1997	1998	1999	2000
CH	1	2	0	0	0	0
Total	1	2	0	0	0	0

**Table 37:** Historical overview of AIRBASE, Number of time series for **HC C2-C6 (excl. AROM & CHLH)**. Situation per June 2002.

Country	1998	1999	2000
BG	4	4	3
Total	4	4	3

**Table 38:** Historical overview of AIRBASE, Number of time series for **H<sub>2</sub>SO<sub>4</sub> aerosols**. Situation per June 2002.

Country	1998	1999	2000
NO	7	7	7
Total	7	7	7

**Table 39:** Historical overview of AIRBASE, Number of time series for **Total Nitrate**. Situation per June 2002.

Country	1998	1999	2000
NO	7	7	7
Total	7	7	7

**Table 40:** Historical overview of AIRBASE, Number of time series for **Total Ammonium**. Situation per June 2002.

Country	2000
IT	1
Total	1

**Table 41:** Historical overview of AIRBASE, Number of time series for **Radioactivity**. Situation per June 2002.

Country	1993	1994	1995	1996	1997	1998	1999	2000
IS	1	1	0	0	0	0	0	0
SE	0	0	0	0	1	0	0	0
Total	1	1	0	0	1	0	0	0

**Table 42:** Historical overview of AIRBASE, Number of time series for **pH**. Situation per June 2002.