

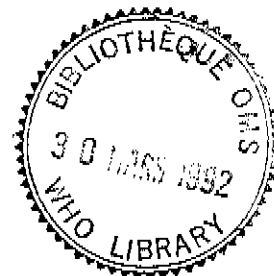


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ORIGINAL: ENGLISH

Report on the Fourteenth Intersecretariat Meeting  
on Air Pollution Problems in Europe<sup>1</sup>  
Geneva, 18 November 1991



1. Introduction and participation

The Fourteenth Intersecretariat Meeting on Air Pollution Problems in Europe convened by the WHO Regional Office for Europe, took place at the Palais des Nation, Geneva, Switzerland, on 18 November 1991<sup>2</sup>.

It was attended by representatives of the following international intergovernmental and nongovernmental organizations: Commission of the European Communities (CEC), Food and Agriculture Organization of the United Nations (FAO), International Atomic Energy Agency (IAEA), International Maritime Organization (IMO), International Organization for Standardization (ISO), Organisation for Economic Co-operation and Development (OECD), United Nations Economic Commission for Europe (UNECE), United Nations Environment Programme (UNEP), World Health Organization Regional Office for Europe (WHO/EURO) and the World Meteorological Organization (WMO).

The Secretariats of the Baltic Marine Environment Protection Commission (HELCOM), Council of Europe (CE), International Institute for Applied Systems Analysis (IIASA), International Labour Organization (ILO), International Union for the Conservation of Nature and Natural Resources (IUCN), International Union of Forestry Research Organizations (IUFRO), United Nations Development Programme (UNDP), United Nations Educational, Scientific and Cultural Organization (UNESCO), United Nations Industrial Development Organization (UNIDO) and the World Health Organization Headquarters (WHO/HQ) were also invited, but were unable to attend.

A list of participants is given in Annex 1.

- 1 This report has been issued in English only, for the internal use of the participating Secretariats.
- 2 All the meetings, but one, were held in Geneva, on 12 January 1976, 9 July 1978, 16 January 1979, 1 May 1980, 11 September 1981, 23 September 1982, 24 September 1984, 10 November 1986, 16 November 1987, 29 November 1988, 20 November 1989 and 19 November 1990, respectively. The eighth meeting took place in Helsinki on 5 July 1985.

## 2. Opening of the meeting, scope and purpose and invitations

The meeting was opened by Dr Michael J. Suess, WHO/EURO, who welcomed the participants on behalf of WHO. He offered condolences on the loss of Mr Dieter Gruneberg of the German Institute for Standardization (DIN), who died in Berlin on 28 December 1990 at the age of 51. Mr Gruneberg had participated in many past Intersecretariat meetings on behalf of ISO. The participants elected Dr Perer Wiederkehr, OECD, to act as Chairman of the meeting. Dr Suess acted as Rapporteur. The provisional agenda (Annex 3) was presented to the meeting and accepted.

Dr Suess presented the scope and purpose of the meeting (Annex 2), reviewed the preparations, and summarized the responses of the invited organizations.

## 3. Exchange of information

The participants exchanged information on projects completed and documentation published, and discussed in greater detail some of their important ongoing activities. The calendars of future meetings were compared. Annex 4 provides a summary of the various programmes.

While the delegates have submitted details of programmes of work that will be of common interest, each delegate also gave a verbal account. Some are of special interest.

### CEC

DG XI is working on two new directives, one for passenger cars and one for diesel vehicles. CEC is now proposing to join the EB's conventions on NO<sub>x</sub> and VOC. In the future the CEC will require the use of the best available technology, for both municipal and hazardous waste incinerators, to overcome the public objections for construction and operation of such incinerators and get over the "not in my back yard" (NIMBY) syndrome.

With respect to VOC emissions, the CEC will put emphasis on the following:

- more should be done about coal combustion in small units;
- survey of the steel industry should identify what needs to be done to improve the quality of emissions;
- the introduction of an automobile gasoline with very low sulfur (such as for diesel fuel) - 0.05% S, and 0.2% S for heating oil.

A control is anticipated on gasoline stations, first big ones, then smaller ones. The data base CORINAIR '90 is in progress, but there is still no decision on the location of the new European Environmental Agency.

All CEC directives include an indication for use of ISO standards, if they exist, and the use of other procedures as may be necessary.

### UNEP

The UNEP Industry and Environment Office in Paris is dealing with environmental issues associated with industrial activities, e.g. pollution prevention at the source. Activities are usually focusing on the pollution problems as a whole, including air pollution, water effluents and solid waste.

The joint UNEP/WHO urban air quality monitoring programme GEMS/Air is proposing to expand from collection of air quality data to only the collection of all information necessary for proper air quality management. The proposals were discussed at a Government Designated Experts Meeting held in Geneva early in November 1991. The perspective will be broadened to consider the ecosystem and air pollution issues over and above health related impact. Attention will be paid to including, for example, calculations of emissions and other relevant factors in addition to collecting monitoring data, so that management options can be formulated which would lead to strengthening of controls, etc. The GEMS/Air project is committed to work closely together with countries and to ensure feedback to participating cities. It also intends to provide technical assistance on air quality management. The range of pollutants monitored will be expanded to include (in addition to SO<sub>2</sub> and SPM) CO, NO<sub>2</sub>, NO, O<sub>3</sub>, Pb (and others where available), with priority given to CO. Efforts are being made to expand geographic coverage and increase the number of participating countries. Further development and application of qa/qc procedures is emphasized as a means of ensuring harmonization of measurements obtained using different methodologies. Four regional audit teams are included in the GEMS/Air contract. The Norwegian institute of air pollution research (NILU, Lillestrom, Norway) will perform calibrations of sulfate measurements for GEMS/Air within the EMEP Programme. Various additional forms of support for the programme are being sought with emphasis on direct non-monetary cooperation between industrial and developing countries. An implementation plan for the programme will be drawn up in the near future.

A major report entitled "Urban Air Pollution in Megacities of the World", incorporating data from a variety of sources in addition to GEMS/Air data, is in the process of completion and will be published in 1992. A separate "Synopsis of City Air Quality Trends" in ten cities will also be completed in 1992. The latter report is one of a series based purely on GEMS/Air data which is intended to provide a comprehensive compendium of data from the network.

A project on harmonization of environmental measurement (HEM) has been established by UNEP under the auspices of GEMS/Air. The project office is located in Germany on the campus of GSF at Neuherberg (near Munich). One of the focus points of the project is harmonization of air quality measurement (as an example for sectoral measurement). Other activities include the development of a metadata base on environmental monitoring activities. Future activities of UNEP-HEM within the GEMS/Air project include publishing of a guideline entitled "Urban Air Quality Monitoring - Methodology and Quality Assurance Implications", convening of a working group to consider harmonization of particulate measurements and assess the most appropriate method(s) for the network, consideration of "appropriate technologies" and increased application of simpler methodologies, and development of approaches to establishing appropriate qa/qc procedures for different methodologies. In addition UNEP-HEM is considering the compilation of a global inventory of organizations and people concerned with harmonization of air quality measurement.

### ISO

ISO, a worldwide federation of national standards bodies, comprises at present 90 members, one per country. The results of ISO's technical work are published as International Standards. Its scope covers standardization in all fields (except electrical and electronic engineering standards, which are the responsibility of the International Electrotechnical Commission (IEC)).

The ISO International Standards may be used direct, as such, or may be implemented through incorporation into national standards of different countries, or be referred to in international regulations, conventions, agreements, national laws, etc. These standards deal with a variety of subjects, including subjects related to environmental protection.

There were only three international standards concerning air added during this reporting period.

#### WMO

The WMO Global Atmosphere Watch (GAW) programme initiated in 1989 has integrated the existing WMO Background Air Pollution Monitoring Network (BAPMoN), the WMO Global Ozone Observing System (GO<sub>3</sub>OS) as well as other related monitoring and research activities. The GAW is based on two types of stations: global and regional. In 1990-1991 the emphasis was placed on upgrading the existing global stations and establishing new ones. The measurement programme includes "greenhouse" gases (CO<sub>2</sub>, CFC, methane, NO<sub>x</sub>), ozone (surface, total and vertical profile), solar radiation, UV-B radiation, turbidity, aerosols, precipitation chemistry, reactive gas and reduced species (SO<sub>2</sub>, sulfates, NO<sub>x</sub>, nitrates, CO) and some radionuclides. Five GAW data centres are operational at present on precipitation chemistry, ozone, atmospheric turbidity, "greenhouse" gases and solar radiation. The GAW Technical Regulations and a detailed measurement manual for all the parameters are being prepared.

As a part of GAW and the Mediterranean Action Plan, the monitoring programme is implemented to study and assess pollution of the Mediterranean Sea through the atmosphere mainly by heavy metals and nutrients (N and P compounds). The report on the Atmospheric Input of Trace Species to the World Ocean was published with the assessments of atmospheric depositions of mineral aerosols, heavy metals and some other trace elements, nitrogen species and synthetic organic compounds to the oceans and some European seas (Mediterranean, North and Baltic).

Within the UN interagency action plan on the Kuwait oil fires, the monitoring and modelling strategies were developed at an expert meeting in April 1991. The coordinated international actions included ground-based and aircraft measurements and modelling forecast of smoke plumes on a daily basis. A number of air pollution monitoring stations are being established in the region and a comprehensive assessment of environmental consequences of the air pollution caused by the fires will be made at an expert meeting in May 1992.

Periodic assessments of the state of stratospheric ozone is one of the major GAW contributions to the Vienna Convention for the Protection of the Ozone Layer and its Montreal Protocol. The most recent assessment was prepared in October 1991. A few of the major findings are the following: ozone declines continue in all latitudes, except over the tropical belt; the overall ozone decline between 65°N and 65°S is estimated at about 2.5% for the last decade and the downward trend during the 1980s was larger than during the 1970s; the ozone decline during winter-spring is twice as strong as the decline during the summer season; the main ozone decline observed in the vertical plane is in the lower stratosphere (13-25 km) where it is about 10% per decade; the Antarctic-spring ozone hole in 1991 was as deep and extensive in the area covered as the lowest hole so far observed in 1987, 1989 and 1990. After many years of monitoring and research, there is now clear

evidence of mankind having affected the whole global ozone layer. Even if the control measures of the amended Montreal Protocol were to be implemented by all nations, the middle-latitude ozone losses during the 1990s are expected to be comparable to those observed during the 1980s. Reducing these ozone losses requires further limitations on the emissions of chloride and bromine compounds.

#### FAO

The ECE Timber Committee team of specialists on the impact of air pollution and other damage to forests on wood supply and markets held a joint meeting with the FAO European Forestry Commission Ad hoc Working Group on Impact of Air Pollution on Forest at Freiburg (Germany), 21-22 February 1991. On this occasion, a symposium was held on the theme "impact of the new types of forest damage on the economic situation of forestry enterprises". Furthermore, the results of a study on possible market effects of forest decline attributed to air pollution in Europe had been discussed. In view of more in-depth study and assessment of increment changes that seem to be a consequence of forest damage, a harmonized methodology for Europe has been proposed and will be developed further. The possibilities of applying satellite remote sensing to assess and monitor forest decline were discussed and it was noted that satellite sensing has considerable promise, and it merits further consideration for future survey and assessment activities. FAO, ECE, UNEP/GRID and some European countries are at present exploring possibilities to use these means for further analysis of long-term forest change and on large areas. An ECE/FAO workshop and study tour, which will be held in Czechoslovakia from 24-30 May 1992, will address possibilities of "forest regeneration on areas exposed to air pollution", thereby bringing together experience and expertise on possible silvicultural measures that may be applied while international efforts are needed to further reduce air pollution.

It was mentioned that the results of the 1990 forest damage survey in Europe was presented in July 1991 to the EB Working Group on Effects together with a report on the cause/effect relationship in forest decline.

Reference was also made to a meeting on the recent publication of a study on possible effects of forest decline on the timber market attributed to air pollutants in Europe. Although the study concludes that the felling of forests affected by air pollution has not created short-term market disturbances in Europe, the study notes that it is important to assess the long-term risks that may result in a "time-bomb effect" if necessary action is not taken to reduce air pollution and to apply appropriate silvicultural measures.

Furthermore, FAO was involved in the ongoing activities of the Intergovernmental Panel on Climate Change (IPCC), in particular working group III on response strategies and the subgroup on agriculture, forestry and other human activities dealing more specifically with issues related to these economy sectors. A future international workshop on "Carbon balance of world's forest ecosystems: towards a global assessment" will address specific contributions of the forest sector as a sink of atmospheric carbon. The meeting will take place in Finland in May 1992.

#### ECE

When reporting on ECE activities related to air pollution problems, particular reference was made to the recent developments in the implementation of the Convention on Long-range Transboundary Air Pollution. The protocol on

control of nitrogen oxide emissions entered into force in February 1991. A protocol on control of volatile organic compound emissions was signed at the ninth session of the Executive Body for the Convention in November 1991. The "critical load" approach was further elaborated on and the first European maps were prepared for critical loads of actual acidity and sulfur, present loads of sulfur, and sulfur exceeding critical loads. The critical loads concept and other considerations, including cost, will provide the basis for the recently initiated work for a second sulfur protocol and for the second step of the 1988 protocol on nitrogen oxides.

Reference was also made to the 1990 review of Strategies and Policies for Air Pollution Abatement and to new activities addressing problems of heavy metals and persistent organic pollutants.

### OECD

The project on control of major air pollutants (SO<sub>2</sub>, NO<sub>x</sub>, VOC) has been completed and the final report was published in 1990. The report summarizes the entire project, while technical monographs provide further information on emission inventory, on VOC emissions from solvent use and on control technologies and their costs. One of the main conclusions drawn from the project on major air pollutants was that motor vehicles are a major source of pollutant emissions in OECD countries, leading to health and environmental damage and raising levels of ozone, toxic pollutants and "greenhouse" gases. Therefore, additional control policies will be required to reduce further and maintain emission levels from mobile sources. An additional activity of the Air Management Policy Group focuses on the control of hazardous air pollutants and on alternative policy instruments for air pollution control, including economic instruments and air quality indicators.

The project on control of motor vehicle emissions (MOVE Project) is well advanced, with projections of motor vehicle emissions to the year 2020, and the effectiveness of further vehicle control measures. This has been supported by technical reports on heavy duty vehicles, emissions of in-use vehicles and on evaporative emissions. These reports are being finalised in 1990 and will be published in 1991.

As the use of non-petroleum fuels for mobile sources is being emphasized in several OECD countries, a report on alternative fuels has been prepared and is currently under revision. The report contains an analysis of comparative environmental effects of different alternative fuels for motor vehicles and will be completed in 1991. Emission projections into the 21st century indicate that motor vehicles will remain a major source of air pollution in OECD and developing countries. Growth in vehicle use is likely to overwhelm the reductions in emissions per vehicle achieved by existing environmental policies. A report on long-term trends of motor vehicle emissions has been elaborated showing the rising long-term trend in worldwide anthropogenic emissions and stressing the need for additional and more effective control policies.

The impact of aircraft emissions on the atmosphere is of increasing concern in many countries due to the global nature of the problem. A new project has been started by collecting available information on policy and research activities in OECD countries. The goal of the project is to assess the effects of global air traffic emissions on trace gases in the free troposphere and in the stratosphere, and to develop possible control options including structural measures. Work in 1991 will focus on the collection of worldwide emission data and on the impact assessment of these emissions.

In 1990, the project on hazardous air pollutants proceeded to collect information on the different regulatory and research activities being carried out in OECD countries. National reports from seven countries (France, Germany, Japan, Netherlands, Sweden, Switzerland, United States), on the control of hazardous air pollutants, are currently reviewed and a summary analysis report is being prepared for developing policy recommendations.

Alternative policy instruments are required to complement traditional air pollution control programmes. Work in this area is concentrating on the development of economic instruments and air quality indicators. A survey on the use of economic instruments for air management policies is currently undertaken in OECD countries. A computerised information system is being developed and an analysis will be conducted on the uses and effectiveness of these instruments.

A project on air quality indicators has been initiated by the growing interest of OECD countries to make available comparative air quality data and trend analysis at international level.

#### IMO

Reference was made to a document on current discussions at IMO aiming at the establishment of international regulations for prevention of air pollution from ships. The IMO assembly, at its 17th session held 28 October to 8 November 1991, adopted a resolution on that subject. The resolution (given in Annex 1 of the mentioned document) urges governments to take the necessary steps, without waiting for the development of international regulations, to implement measures for prevention of air pollution from ships. These measures relate to the elimination, or at least reduction in the use, of CFC and halons on ships and exhaust gas from fuel oil.

#### WHO/EURO

A description was given about the new European Centre for Environment and Health, administered out of Copenhagen and with two stations in Bilthoven, Netherlands, and Rome, Italy. The station in Bilthoven will be responsible, among other things, for the subject on air quality and pollution control, with a full time scientist located there for this purpose. Activities foreseen with an air pollution component include a study on Concern for Europe's Tomorrow, revision of the Air Quality Guidelines for Europe (AQG) and special projects for central and eastern Europe.

#### 4. Other business

When reviewing the list of organizations for future invitations, it was proposed by Dr Grefen, and approved by the Group, to approach Mr Jacques Repussard, Secretary-General of European Committee for Standardization (CEN), 11, rue de Stassard, 1049 Brussels, and to invite his organization to participate.

The participants also discussed and agreed that CE, IUCN, UNESCO and UNIDO should be informed of the Group's decision that unless these organizations became active, they would be withdrawn from the mailing list.

5. Next meeting

The next, fifteenth meeting should be convened in conjunction with the tenth session of the Executive Body for the Convention on Long-range Transboundary Air Pollution and is now tentatively scheduled for Friday, 13 November or Monday, 16 November 1992 in Geneva.

ANNEX 1

LIST OF PARTICIPANTS

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## ANNEX 2

### SCOPE AND PURPOSE

The Scope and Purpose of the Intersecretariat meetings, reformulated during the sixth session in 1982, states:

The Scope and Purpose of the meetings of the Intersecretariat on air pollution problems in Europe is to exchange information and provide details on completed, ongoing, and planned project activities, reports published, and meetings scheduled for the forthcoming year or so, with the intention to strengthen coordination and lead, if possible and when appropriate, to close cooperation on specific activities between the organizations concerned.

Toward this end, participants are expected to review at the meetings the work of their organizations in relation to the European situation, as well as provide information on any activity outside this Region which may reflect on European problems.

ANNEX 3

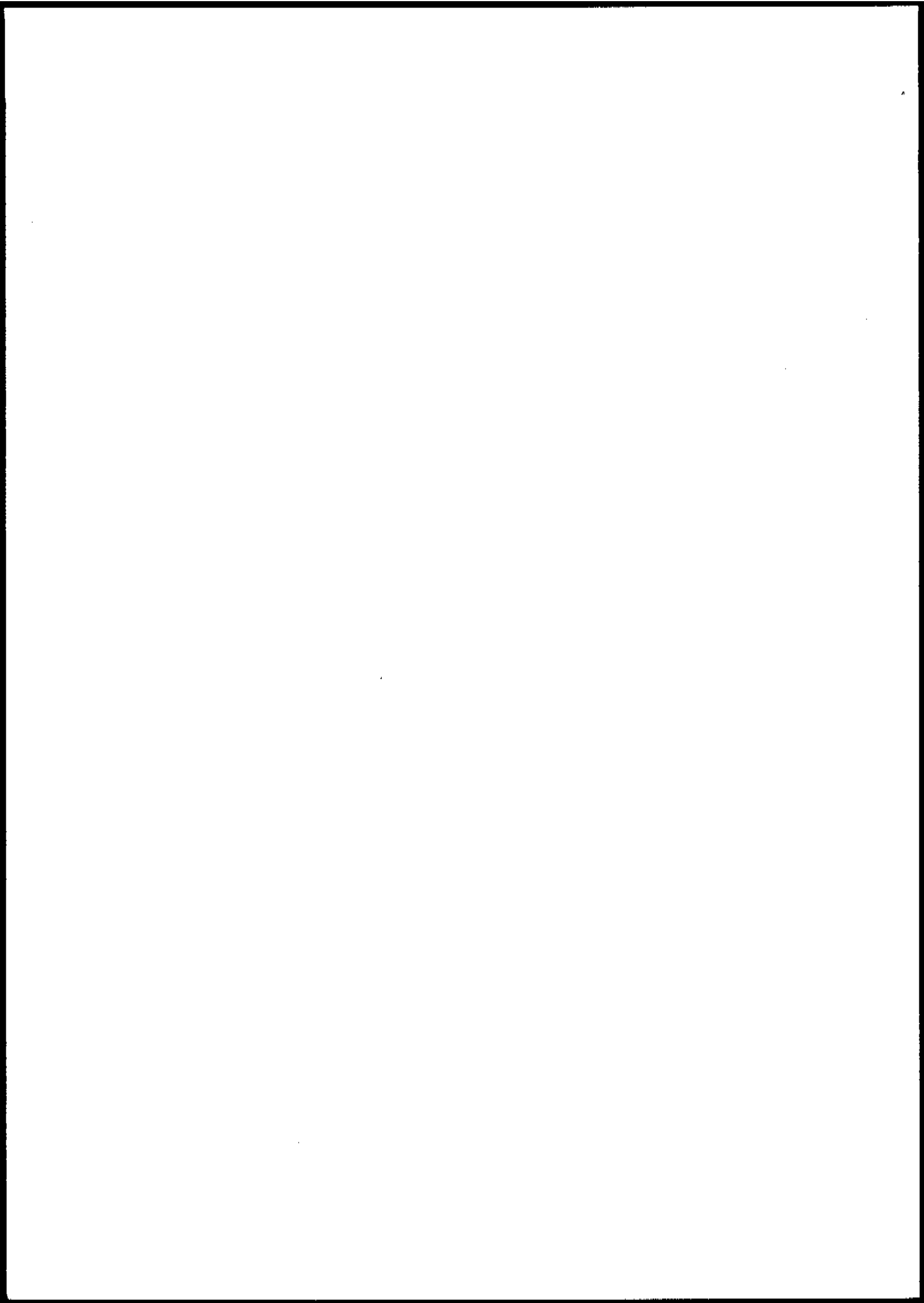
AGENDA

1. Opening of the meeting at 9.20
2. Election of Chairman
3. Adoption of agenda and introduction of participants
4. Presentation of the scope and purpose of the meeting
5. Exchange of information on:
  - a) publications and/or documents published (including progress reports)
  - b) projects completed and those in progress
  - c) comparison of calendar of meetings for 1991-92
  - d) to report on improvement/progress developments/changes in air quality in the region
6. Discussion on documentation to be presented in the future
7. Group discussion on Air Pollution from Maritime Transportation
8. Any other business (such as technical subject discussion, invitations to new organizations, etc.)
9. Date and place of next Intersecretariat Meeting
10. Closure

ANNEX 4

STATEMENTS SUBMITTED BY THE SECRETARIATS

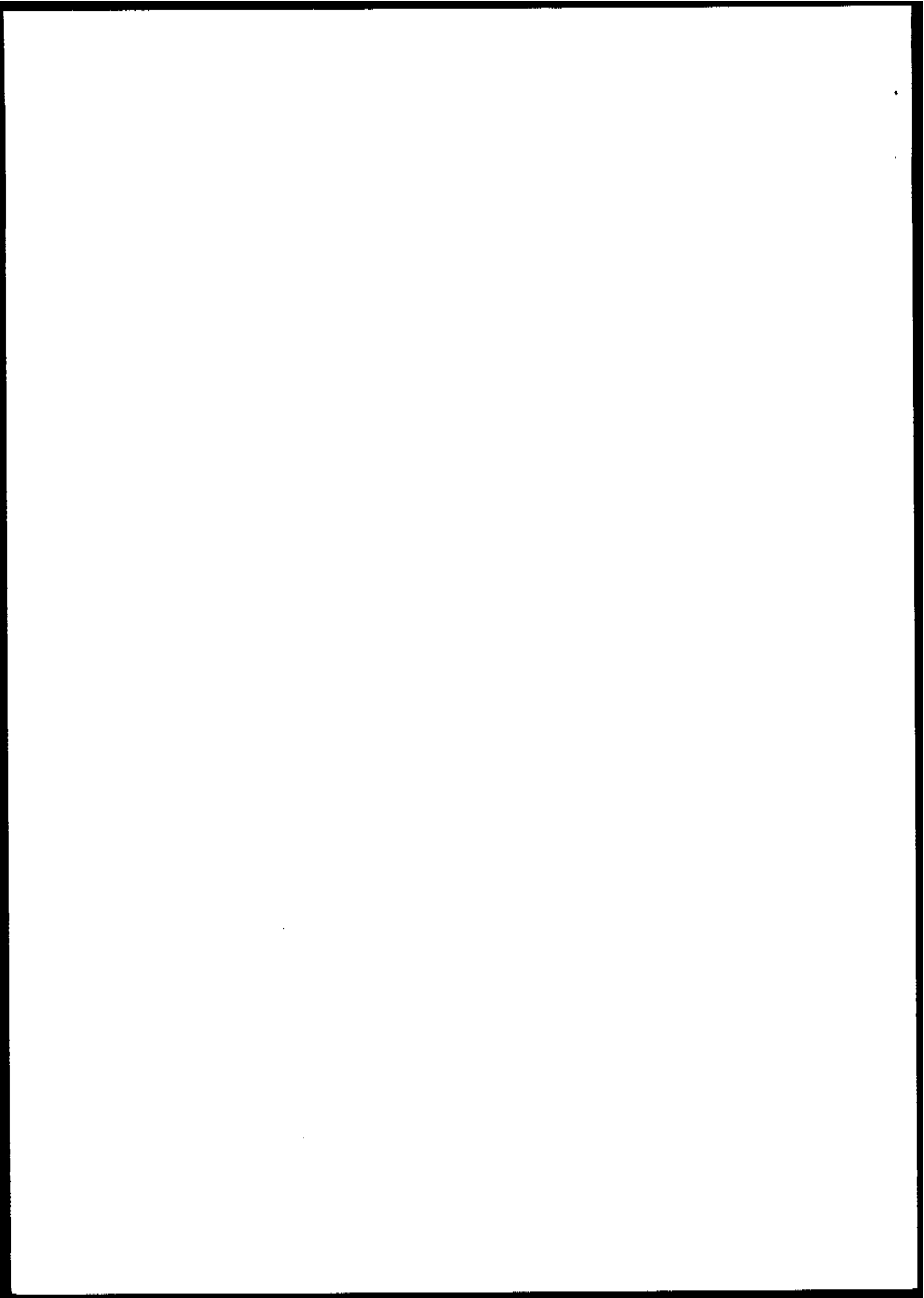
1. HELCOM Baltic Marine Environment Protection Commission
2. CEC Commission of the European Communities
3. IAEA International Atomic Energy Agency
4. ISO International Organization for Standardization
5. OECD Organisation for Economic Co-operation and Development
6. UNECE United Nations Economic Commission for Europe
7. UNEP United Nations Environment Programme, Industry and Environment Office
8. WHO/EURO World Health Organization, Regional Office for Europe
9. WMO World Meteorological Organization



BALTIC MARINE ENVIRONMENT  
PROTECTION COMMISSION

• HELSINKI COMMISSION •





Eighteenth Intersecretariat Meeting on Air Quality in Europe, Geneva, 18 November 1991

FORMAT FOR STATEMENT OF ACTIVITIES

ANNEX I

PROJECTS COMPLETED AND PUBLICATIONS ISSUED

NOVEMBER 1990 - NOVEMBER 1991

Organization: Baltic Marine Environment Protection Commission - Helsinki Commission (HELCOM)

Title and project or document	Symbol of document and date and place of issuance	Method of implementation	Cooperating organization	Remarks
Precipitation and Air Chemistry at HELCOM Stations for the Period 1986-1988.	NILU, Morsk Institutt for Luftforskning, NILU OR: 91/90, December 1990, Pedersen, U.	Consultant of the Commission		

C = Consultants; CC = Collaborating Centres; CS = Contractual Service Agreements; WG = Working Groups; WS = Workshops.

## FORMAT AND STATEMENT OF ACTIVITIES

## PROJECTS UNDER EXECUTION

Organization: Baltic Marine Environment Protection Commission - Helsinki Commission (HELCOM)

Sponsoring body (if applicable)	Title of Project	Method of implementation	Date of project initiation	Expected date of issuance of results	Cooperating organization	Expected Results	Remarks
HELCOM	First and Second Intercomparison and Intercalibration Stages	Final editing of the results in Sweden	1987	1991	-	Publication to be printed in the Baltic Sea Environment Proceedings	CC Sweden
	Collection of monitoring data	All Baltic Sea States to provide data annually according to Guidelines given as HELCOM Recommendation	1985	ongoing	ECE WMO	Data submission and evaluations regularly	
	Evaluation of the deposition of the years 1986-1990 to the Baltic Sea	Under preparation	1989	end of 1991	ECE	Publication to be printed in the Baltic Sea Environment Proceedings	Cooperating with NILU, MSC-W, MSC-E

C = Consultants; CC = Collaborating Centres; CS = Contractual Service Agreements; WC = Working Groups; WS = Workshops.

FORMAT AND STATEMENT OF ACTIVITIES

PROJECTS BEING PLANNED

Organization: Baltic Marine Environment Protection Commission - Helsinki Commission (HELCOM)

Sponsoring body (if applicable)	Title of Project	Method of implementation	Date of project initiation	State of progress	Expected date of issuance of results	Cooperating organization	Expected Results	Remarks
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No activity at the moment

C = Consultants; CC = Collaborating Centres; CS = Contractual Service Agreements; WG = Working Groups; WS = Workshops.

FORMAT AND STATEMENT OF ACTIVITIES

LIST OF FUTURE MEETINGS (including regular sessions of sponsoring body)

Organization: Baltic Marine Environment Protection Commission - Helsinki Commission (HELCOM)

Date	Place	Title of Meeting	Remarks
19-22 May 1992	Solna, Sweden	Ninth Meeting of the Group of Experts on Airborne Pollution of the Baltic Sea Area (EC EGAP)	

C = Consultants; CC = Collaborating Centres; CS = Contractual Service Agreements; WC = Working Groups; WS = Workshops.



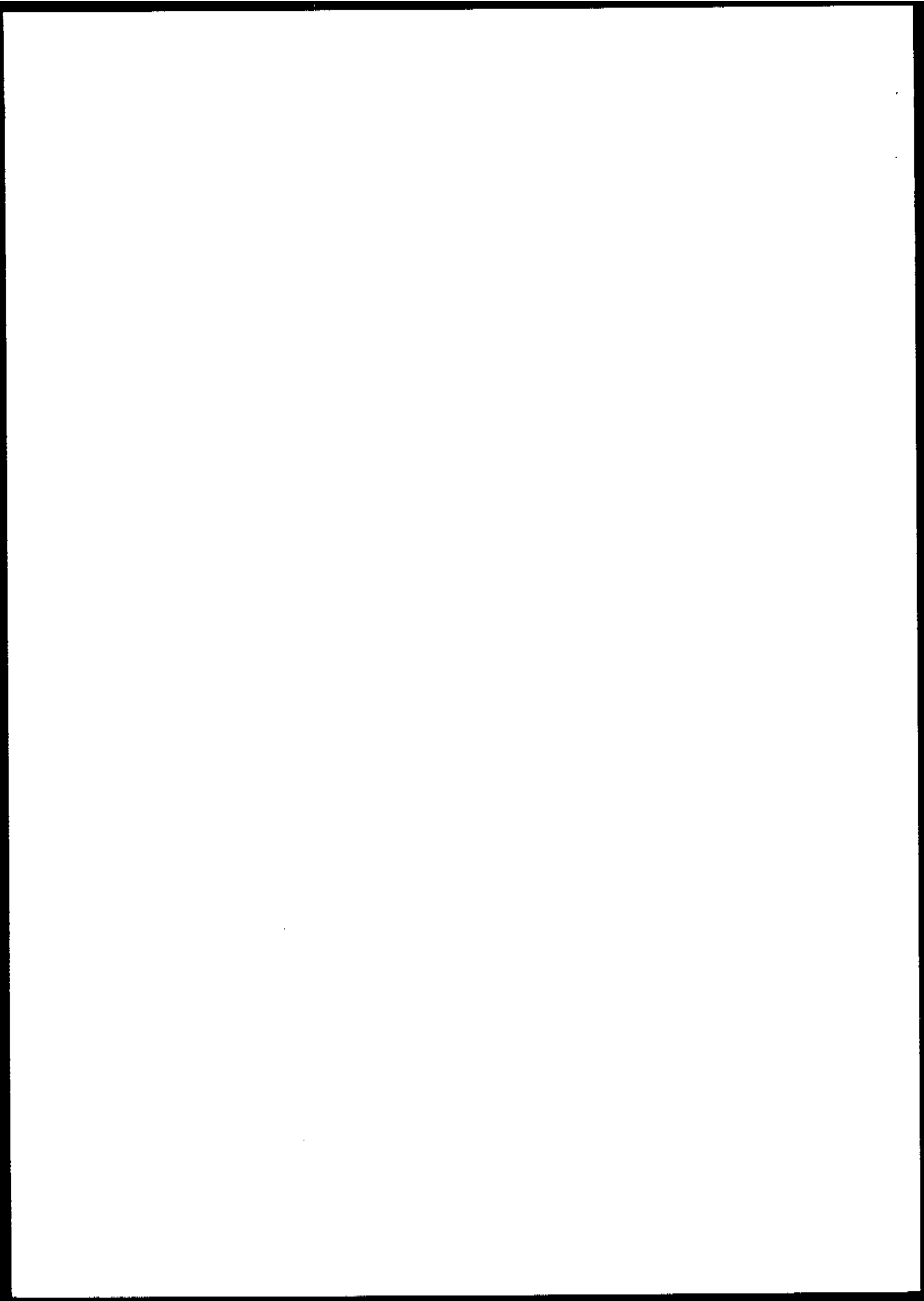
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XI/A/3

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Geneva, 18 november 1991

Format for statement of activities

Projects completed and publications issued November 1990–November 1991

Organisation: Commission of the European Communities

Title and project or document	Symbol of document and date and place of issuance	Method of Implementation	Cooperating organization	Remarks
Reduction of air pollution from passenger cars	Directive 91/441/EEC of 26/6/1991 OJ Nr L 242 of 30/8/1991, p.1	Directive		
Reduction of air pollution from diesel engined vehicles	Directive 91/542/EEC of 1/10/1991 OJ Nr L 295 of 25/10/1991, p.1	Directive		
Implementation of Directive 84/360/EEC Technical notes on :				
- Nitric acid production	EUR 1304			
- Ammonia production	EUR 1302			
- Sulphuric acid production	EUR 1306			Technical notes
- Manufacture-storage-Handling C <sub>6</sub> H <sub>6</sub>	EUR 1303			
- Hazardous waste incineration	EUR 1307			
- Manufacture of cement	EUR ....			
- Refining Industry	EUR .... (juin 91)			
- Heavy Metals from non ferrous Industry	EUR .... (novembre 91)			

Format for statement of activities

Projects under execution

Organisation: Commission of the European Communities

Sponsoring body (if applicable)	Title of project	Method of Implementation	State of progress	Date of project initiation	Expected date of issuance of results	Cooperating organization	Expected results	Remarks
	Proposal for a Council decision concerning the accession to the NOx Protocol COM (91) 268 final	Proposal for a Council decision						To be adopted by the Council in 1992
	Proposal for a Council decision concerning the signature of the VOC Protocol COM (91) 394 final	Proposal for a Council decision						To be adopted by the Council before May 1992
	Control of air pollution from incineration of toxic and dangerous waste	Directive proposal	in finalization	1990	end 1993		Directive	
	Control of VOC emissions from some solvent use activities	Directive proposal	in preparation	1989	1993		Directive	
	Reduction of air pollution from coal combustion plants (50-100 MWth)	Directive proposal	in finalization	1991	1992		Directive	
	Integrated pollution control	Directive proposal	in preparation	1991	1994		Directive	
	Environmental audit	Directive	in preparation	1990	1992		Directive	
	Implementation of Directive 84/360/EEC	Technical notes						
	Technical notes on :							
	- electric arc steel industry		in preparation	1991	1992		Publication	
	- foundries			1991	1992			
	- coke ovens			1991	1992			
	- sinter plants, blast furnaces			1991	1992			

Format for statement of activities

Projects under execution

Organisation: Commission of the European Communities

Sponsoring body (if applicable)	Title of project	Method of implementation	State of progress	Date of project initiation	Expected date of issuance of results	Cooperating organization	Expected results	Remarks
	Sulphur content in gas-oil	Directive proposal	before Council	1990	1993		Directive	
	Evaporation control in the gasoline distribution chain	Directive proposal	in finalization	1989	1993		Directive	
	Air pollution from ozone	Directive proposal	before Council	1990	1993		Directive	
	CORINAIR'90 emission inventory of major air pollutants in the Community		in preparation	1991	1992		Emission's figures	

Format for statement of activities

Projects being planned

Organisation: Commission of the European Communities

Sponsoring body (if applicable)	Title of project	Method of Implementation	State of progress	Date of project initiation	Expected date of issuance of results	Cooperating organization	Expected results	Remarks
	Reduction of air pollution from gas turbines	Directive proposal	In preparation	1991	1994		Directive	
	Implementation of Directive 84/360/EEC							
	Technical notes on :							
	- O <sub>2</sub> steel industry	Technical notes		1992	1993			
	- hot-cold rolling mills			1992	1993			
	- coating lines			1992	1993			Publications



INTERNATIONAL ATOMIC ENERGY AGENCY  
AGENCE INTERNATIONALE DE L'ENERGIE ATOMIQUE  
МЕЖДУНАРОДНОЕ АГЕНТСТВО ПО АТОМНОЙ ЭНЕРГИИ  
ORGANISMO INTERNACIONAL DE ENERGIA ATOMICA

IAEA OFFICE IN GENEVA

c/o UNITED NATIONS, PALAIS DES NATIONS, CH-1211 GENEVA 10



INTERNATIONAL ATOMIC ENERGY AGENCY

Projects completed and publications issued

Senior Expert Symposium on Electricity and the Environment

- Executive Summary - STI/PUB/898, IAEA Vienna, July 1991
  - Key Issues Papers - STI/PUB/899, IAEA Vienna, July 1991
  - Proceedings - STI/PUB/877, IAEA Vienna, August 1991
- Co-sponsored by: CEC, CMEA, ECE, IBRD, IEA, IIASA, NEA, UNEP, WHO, WMO.

The International Chernobyl Project - Report by an International Advisory Committee

- An Overview - ISBN 92-0-129091-8, IAEA Vienna, 1991
  - Proceedings of an International Conference - ISBN-92-0-129391-7, IAEA Vienna, 1991
  - Technical Report - ISBN-92-0-129191-4, IAEA Vienna, 1991
- Co-operating organizations: CEC, FAO, ILO, UNEP/UNSCEAR, WHO, WHO/EURO, WMO.

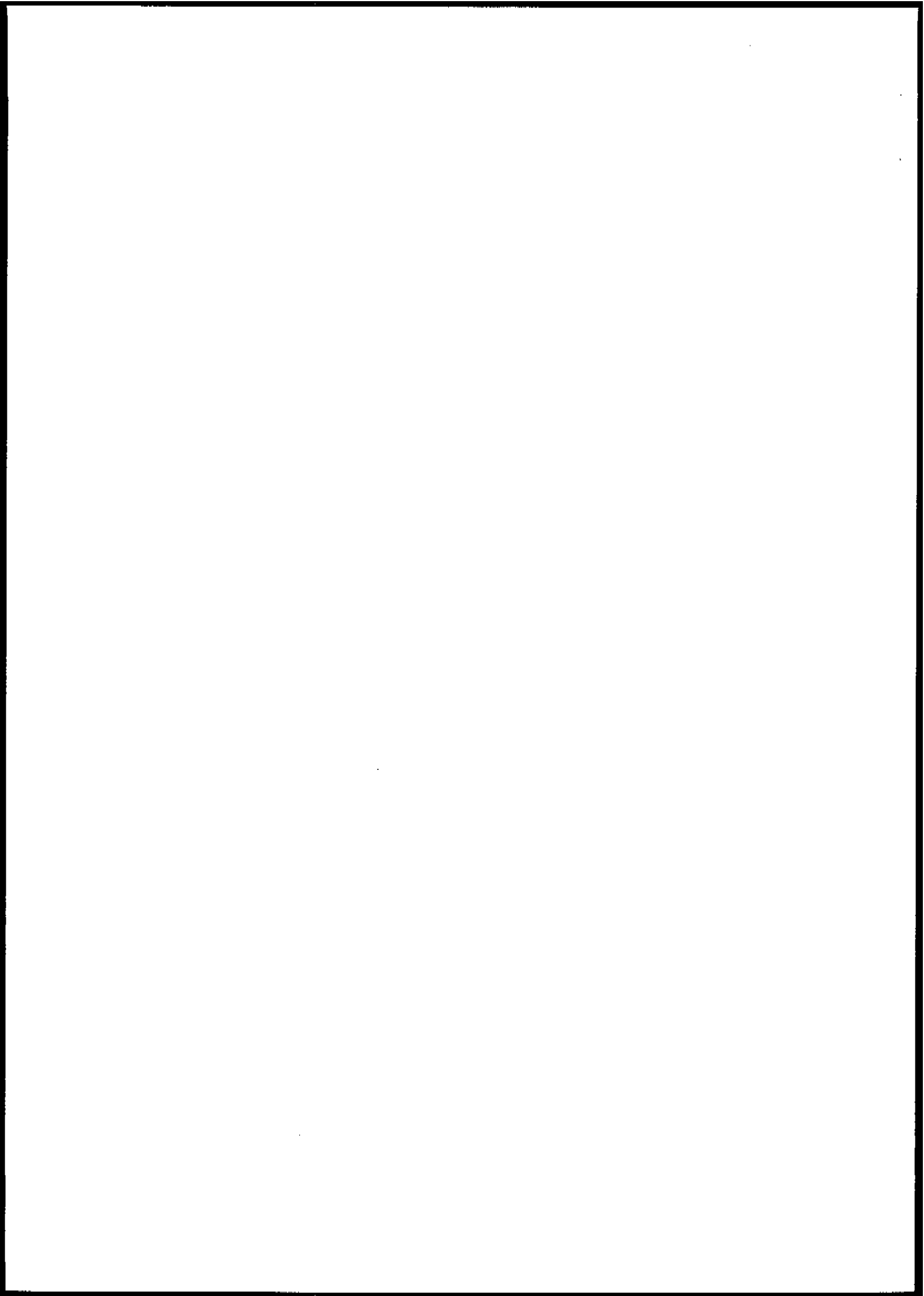
Projects under execution

Evaluation of radiation processing of combustion flue gases

- Co-ordinated Research Programme - Technical document to be issued in 1992.

Forthcoming meetings

International Symposium on Applications of Isotopes and Radiation in Conservation of the Environment - Karlsruhe, Germany, 9-13 March 1992





ISO Central Secretariat

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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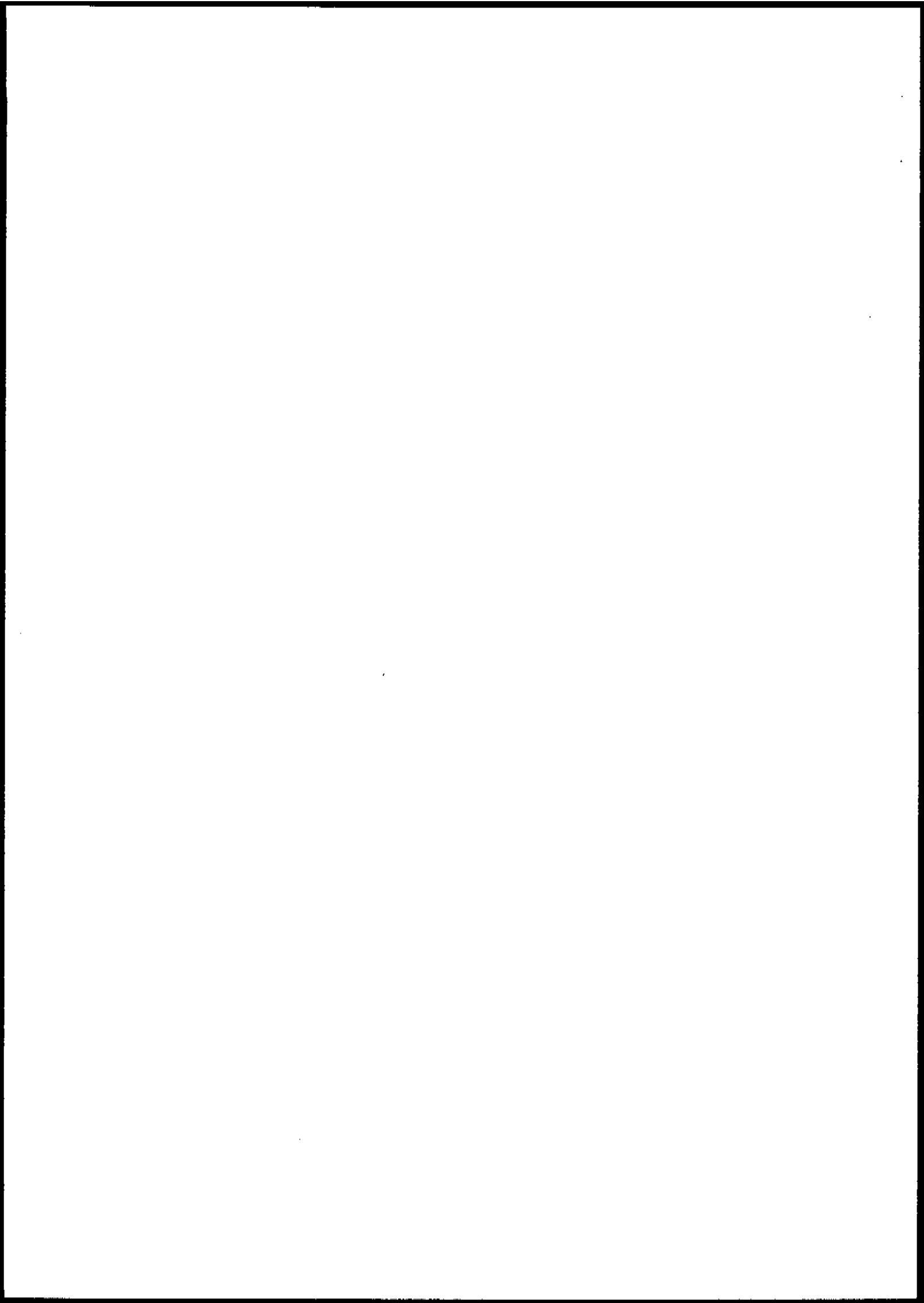
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Thirteenth Intersecretariat Meeting on Air Pollution Problems in Europe, Geneva, 16 November 1990FORMAT FOR STATEMENT OF ACTIVITIES

ANNEX I

## PROJECTS COMPLETED AND PUBLICATIONS ISSUED

NOVEMBER 1990 - NOVEMBER 1991

Organization: International Organization for Standardization (ISO)Symbol of document and  
date and place of  
issuance

Title and project or document

Workplace air -- Determination of particulate  
lead and lead compounds -- Flame atomic  
absorption spectrometric method

ISO 8518:1990

Workplace air -- Determination of vaporous  
chlorinated hydrocarbons -- Charcoal  
tube/solvent desorption/gas chromatographic  
method

ISO 9486:1991

Workplace air -- Determination of vaporous  
aromatic hydrocarbons -- Charcoal tube/solvent  
desorption/gas chromatographic method

ISO 9497:1991

ISO = International Standard

FORMAT AND STATEMENT OF ACTIVITIESPROJECTS UNDER EXECUTION

Organization: International Organization for Standardization (ISO)

Title of Project	State of progress	Date of project initiation	Expected date of issuance of results	Expected Results
WI 0-074 Air quality -- Particle size fraction definitions for health-related sampling (Revision of ISO/IR 7708:1983) CD 7708	CD	1987	1992	DIS
WI 0-084 Stationary source emissions -- Sampling and analysis of polycyclic aromatic hydrocarbons WD 11338	WD	1991	1993	CD
WI 0-11632 Stationary source emissions -- Determination of mass concentration of sulfur dioxide -- Ion chromatographic method WD 11632	WD	1991	1994	CD
WI 0-11633 Stationary source emissions -- Determination of mass concentration of hydrogen chloride -- Ion chromatographic method WD 11633	WD	1991	1994	CD
WI 6-050 Stationary source emissions -- Determination of mass concentration of nitrogen oxides -- Performance characteristics and calibration of automated measuring systems CD 10849	CD	1981	1992	DIS
WI 3-075 Stationary source emissions -- Determination of mass concentration of nitrogen oxides -- Naphtylethylene-diamine photometric method CD 11564	CD	1987	1992	DIS
WI 4-083 Stationary source emissions -- Measurement of velocity and volume rate of flow of gas streams in ducts DIS 10780	DIS	1989	1993	ISO

WD = Working draft

CD = Committee draft

DIS = Draft International Standard

FORMAT AND STATEMENT OF ACTIVITIES

PROJECTS UNDER EXECUTION

Organization: International Organization for Standardization (ISO)

Title of Project	State of progress	Date of project initiation	Expected date of issuance of results	Expected Results
WI 2-011 Stationary source emissions -- Determination of the mass concentration of sulfur dioxide -- Performance characteristics of automated measuring methods	DIS	1982	1992	ISO
WI 1-010 Stationary source emissions -- Automated monitoring of mass concentrations of particles -- Performance characteristics, test methods and specifications	DIS	1979	1992	ISO
WI 5-073 Stationary source emissions -- Sampling for the automated determination of gas concentrations	DIS	1985	1992	ISO
WI 7-078 Stationary source emissions -- Determination of asbestos plant emissions -- Method by fibre count measurement	DIS	1988	1992	ISO
WI 1-009 Stationary source emissions -- Determination of concentration and mass flow rate of particulate material in gas-carrying ducts -- Manual gravimetric method	DIS	1979	1992	ISO

WD = Working draft

CD = Committee draft

DIS = Draft International Standard

FORMAT AND STATEMENT OF ACTIVITIES

PROJECTS UNDER EXECUTION

Organization: International Organization for Standardization (ISO)

Title of Project	State of progress	Date of project initiation	Expected date of issuance of results	Expected Results
WI 0-084 Workplace air -- Determination of particulate cadmium and cadmium compounds -- Flame atomic absorption spectrometric method WD 11174	WD	1990	1992	CD
WI 3-025 Workplace air -- Determination of mass concentration of carbon monoxide -- Electrochemical measurement CD 8519	CD	1979	1992	DIS
WI 3-055 Workplace air -- Determination of mass concentration of sulfur dioxide -- Tetrachloromercurate/pararosaniline method CD 8520	CD	1981	1992	DIS
WI 1-016 Workplace air -- Determination of total dust using personal sampling units CD 8671	CD	1979	1992	DIS
WI 4-059 Workplace air -- Determination of concentrations of C3 to C10 hydrocarbons -- Sorbent tube/thermal desorption/capillary gas chromatographic method CD 9976	CD	1981	1992	DIS
WI 4-060 Workplace air -- Determination of acrylonitrile -- Porapak N tube/thermal desorption/gas chromatographic method CD 9977	CD	1981	1992	DIS

WD = Working draft      CD = Committee draft      DIS = Draft International Standard

FORMAT AND STATEMENT OF ACTIVITIES

PROJECTS UNDER EXECUTION

Organization: International Organization for Standardization (ISO)

Title of Project	State of progress	Date of project initiation	Expected date of issuance of results	Expected Results
WI 2-020 CD 11041 Workplace air -- Determination of particulate arsenic, arsenic compounds and arsenic trioxide vapour -- Method by continuous flow hydride generation and atomic absorption spectrometry	CD	1986	1992	DIS
WI 4-081 CD 11635 Workplace air -- Determination of concentrations of C5 to C10 hydrocarbons -- Sorbent tube/diffuse sampling/thermal desorption/capillary gas chromatographic method	CD	1989	1993	DIS
WI 5-034 DIS 8672 Workplace air -- Determination of the number concentration of airborne inorganic fibres by phase contrast optical microscopy -- Membrane filter method	DIS	1981	1992	ISO
WI 3-070 CD 8392 Ambient air -- Determination of mass concentration of hydrogen sulfide -- Gas chromatographic/flame photometric method	CD	1983	1992	DIS
WI 1-062 CD 10312 Ambient air -- Determination of asbestos fibres -- Direct transfer transmission electron microscopy method	CD	1981	1992	DIS
WI 18-071 CD 10473 Ambient air -- Determination of particulate matter -- Beta ray absorption method	CD	1984	1992	DIS

WD = Working draft      CD = Committee draft      DIS = Draft International Standard

FORMAT AND STATEMENT OF ACTIVITIES

PROJECTS UNDER EXECUTION

Organization: International Organization for Standardization (ISO)

Title of Project	State of progress	Date of project initiation	Expected date of issuance of results	Expected Results
WI 15-068 Ambient air -- Determination of sulfur dioxide -- Ultraviolet fluorescence method CD 10498	CD	1984	1992	DIS
WI 11-063 Ambient air -- Determination of the mass concentration of gaseous and soluble particulate fluorine containing compounds -- Method by filter sampling and ion-selective electrode analysis CD 10529	CD	1981	1992	DIS
WI 0-005 Ambient air -- Determination of carbon monoxide -- Non-dispersive infrared method CD 4224	CD	1975	1992	DIS
WI 2-035 Ambient air -- Determination of particulate lead collected on filters -- Atomic absorption spectrometric method DIS 9855	DIS	1977	1993	ISO
WI 14-067 Ambient air -- Determination of a black smoke index DIS 9835	DIS	1984	1993	ISO
WI 8-041 Ambient air -- Determination of ozone -- Chemiluminescence method DIS 10313	DIS	1978	1992	ISO
WI 12-003 Ambient air -- Measurement of particulate fall-out -- Horizontal deposit gauge method DIS 4222	CD	1979	1992	DIS
WI 3-019.8 Ambient air -- Determination of the mass concentration of hydrogen sulfide -- Methylene blue spectrometric method DIS 6769	CD	1979	1992	DIS

WD = Working draft      CD = Committee draft      DIS = Draft International Standard

FORMAT AND STATEMENT OF ACTIVITIES

PROJECTS UNDER EXECUTION

Organization: International Organization for Standardization (ISO)

Title of Project	State of progress	Date of project initiation	Expected date of issuance of results	Expected Results
WI 2-083 Air quality -- Comparison of a characteristic quantity determined from air quality measurements with prescribed values CD 11222	CD	1989	1992	DIS
WI 4-047 Air quality -- Performance characteristics and related concepts for air quality measuring methods {Revision of ISO 6879:1983}	CD	1987	1992	DIS
WI 6-065 Air quality -- Handling of temperature, pressure and relative humidity data CD 8756	CD	1981	1992	DIS
WI 5-064 Workplace air -- Sampling strategy CD 8834	CD	1981	1992	DIS
WI 1-044 Air quality -- General aspects -- Vocabulary AMENDMENT 1: Additional terms DIS 4225	DIS	1978	1993	ISO
WI 2-004 Air quality -- General aspects -- Units of measurement (Revision of ISO 4226:1980)	DIS	1987	1992	ISO
WI 4-049 Air quality -- Determination of performance characteristics of measurement methods DIS 9169	DIS	1979	1993	ISO

ND = Working draft    CD = Committee draft    DIS = Draft International Standard

LIST OF FUTURE MEETINGS (including regular sessions of sponsoring body)

Organization: International Organization for Standardization (ISO)

Date	Place	Title of Meeting	Remarks
Not yet known		ISO/TC 146 "Air quality"	Attendance restricted to committee members and representatives of liaison organizations
		ISO/TC 146/SC 1 "Stationary source emissions"	
		ISO/TC 146/SC 2 "Workplace atmospheres"	
		ISO/TC 146/SC 3 "Ambient atmospheres"	
		ISO/TC 146/SC 4 "General aspects"	

**OECD**

**OCDE**

**ORGANISATION DE COOPERATION ET  
DE DEVELOPPEMENT ECONOMIQUES**

**ORGANISATION FOR ECONOMIC  
CO-OPERATION AND DEVELOPMENT**

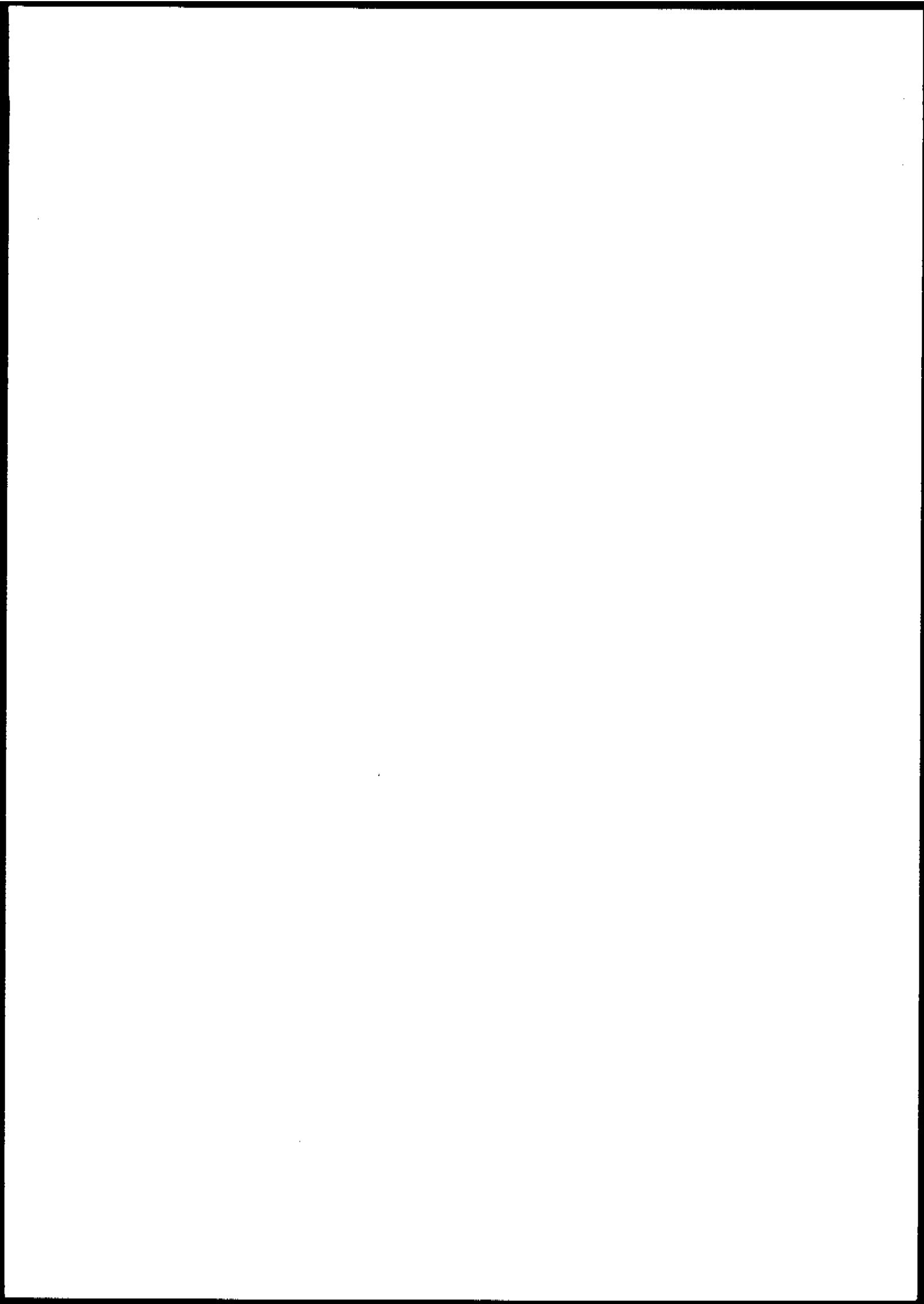
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Fourteenth Intersecretariat Meeting on Air Quality in Europe, Geneva, 18 November 1991

ANNEX I

FORMAT FOR STATEMENT OF ACTIVITIES

NOVEMBER 1990 - NOVEMBER 1991

**PROJECTS COMPLETED AND PUBLICATIONS ISSUED**

**OECD/ENVIRONMENT DIRECTORATE**

Organisation:

Title and project or document	Symbol of document and date and place of issuance	Method of Implementation	Cooperating organization	Remarks
Emission Control for Nitrogen Oxides and Volatile Organic Compounds & Technology and Costs	OECD Environment Monograph No. 22 Paris, December 1991	C, CC		
Low Consumption/Low Emission Automobile	OECD/IEA Publication Paris, 1991	WS	CEC	
Fuel Efficient Clean Automobile	OECD/IEA Publication, Paris (to be published)	WS		
Estimation of Greenhouse Gas Emissions and Sinks	Proceedings of Expert Meeting, 18-21 February 1991	WS	IPCC	

C = Consultants; CC = Collaborating Centres; CS = Contractual Service Agreements; WC = Working Groups; WS = Workshops.

FORMAT AND STATEMENT OF ACTIVITIESPROJECTS UNDER EXECUTION

Organization: OECD Environment Directorate

Sponsoring body (if applicable)	Title of Project	Method of implementation	State of progress	Date of project initiation	Expected date of issuance of results	Cooperating organization	Expected Results	Remarks
OECD	<u>Mobile Source Project</u> -heavy duty motor vehicles	C, CC	final	1988	1991		report	publication in 1992
	-Inspection/maintenance of in use vehicles	C, CC	final	1988	1991		report	"
	-Alternative Fuels	C, study	ongoing	1989	1992		report	publication 1992
	-Long-term Trends of Motor Vehicle Emis.	C, study	ongoing	1989	1992		report	"
	-Impact of Aircraft Emissions on the Atmosphere	CC, Nat. Data Coll.	started	1990	1992/93		report	WS in 1992
	<u>Hazardous Air Pollutants Project</u>							
	-Policy Review of Member Countries			1989	1992		report	publication 1992
	<u>Air Quality Indicators</u>	WS, study	started	1990	1992	WHO/Europe	report	WS in 1992
	<u>Economic Instruments for Air Pollution Control</u>	Transmission of nat. data	ongoing	1990	1991		database	data tracking sys. on instruments used

C = Consultants; CC = Collaborating Centres; CS = Contractual Service Agreements; WC = Working Groups; WS = Workshops.

FORMAT AND STATEMENT OF ACTIVITIES

PROJECTS UNDER EXECUTION

Organization: OECD Environment Directorate

Sponsoring body (if applicable)	Title of Project	Method of implementation	State of progress	Date of project initiation	Expected date of issuance of results	Cooperating organization	Expected Results	Remarks
	Inventories of Greenhouse Gas Emissions and Sinks	C,CC	ongoing	1991	1993	IPCC	data base report	
	Tradeable Permits for Abating Greenhouse Gases: Practical Options		ongoing	1991	1992			
	Fees and Charge Systems for Greenhouse Gas Emissions		ongoing	1991	1992			

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PROJECTS BEING PLANNED

Organization: OECD/Environment Directorate

Sponsoring body (if applicable)	Title of Project	Method of implementation	Date of project initiation	Expected date of issuance of results	Cooperating organization	Expected Results	Remarks
OECD	<u>Alternative Policy Instruments for Air Pollution Control of Motor Vehicles</u>	C	1992				

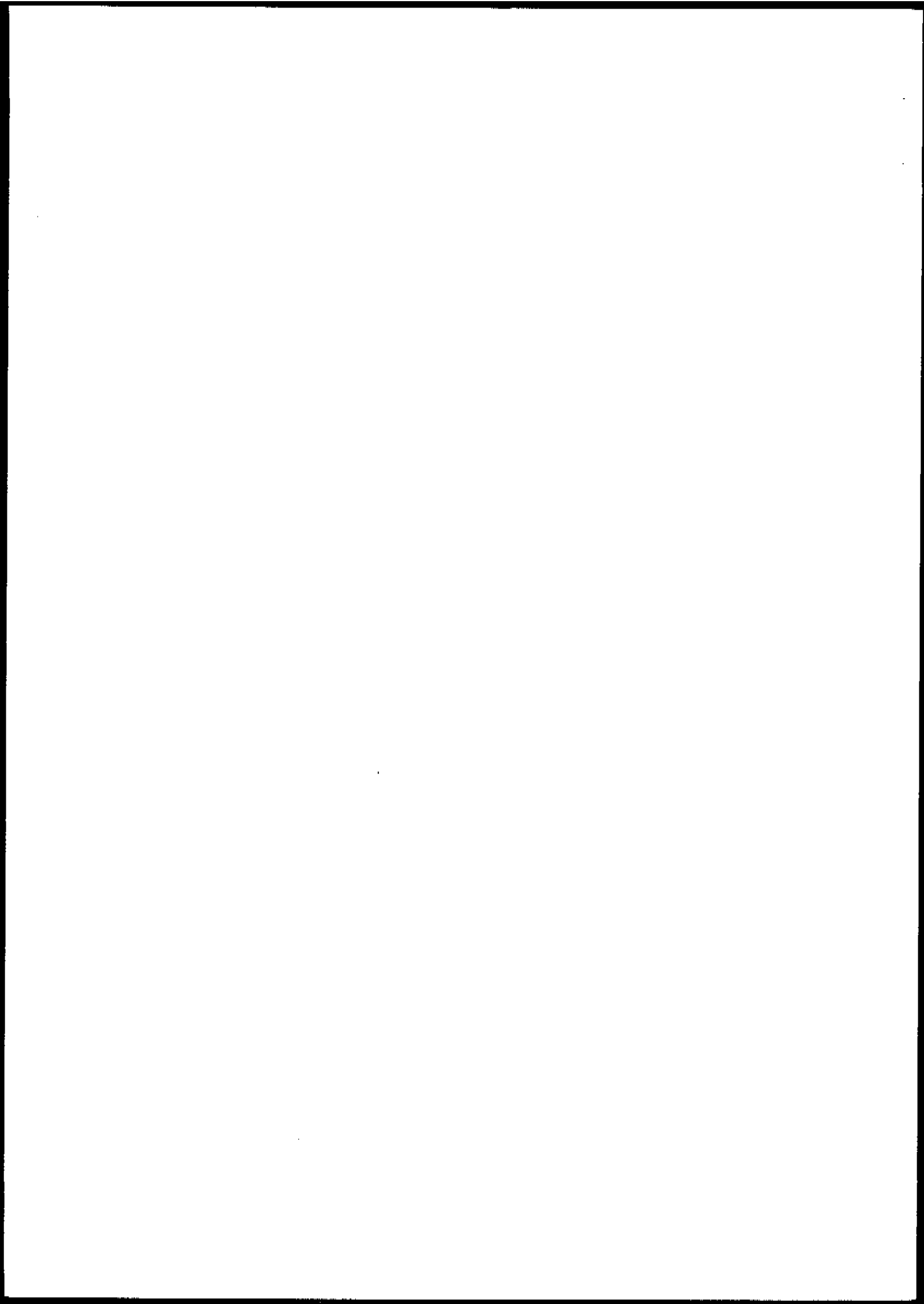
C = Consultants; CC = Collaborating Centres; CS = Contractual Service Agreements; WC = Working Groups; WS = Workshops.

FORMAT AND STATEMENT OF ACTIVITIESLIST OF FUTURE MEETINGS (including regular sessions of sponsoring body)

## Organization:

Date	Place	Title of Meeting	Remarks
13-15 April 1992	ENEА/Rome	Workshop on Policy Instruments for Clean and Fuel Efficient Automobiles	
25-27 May 1992	NUTEK/Stockholm	Urban Electric Vehicle	
10-11 June 1992	OECD/Paris	43rd Meeting of Air Management Policy Group	
Fall 1992	to be determined	Impact of Air Traffic Emissions on the Atmosphere Workshop	
October 1992	Detroit, USA (tentative)	Fuel Efficient and Clean Automobile	
December 1992	OECD/Paris	44th Meeting of the Air Management Policy Group	

C = Consultants; CC = Collaborating Centres; CS = Contractual Service Agreements; WC = Working Groups; WS = Workshops.





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**ЭКОНОМИЧЕСКАЯ КОМИССИЯ  
ДЛЯ ЕВРОПЫ**

**UNITED NATIONS**

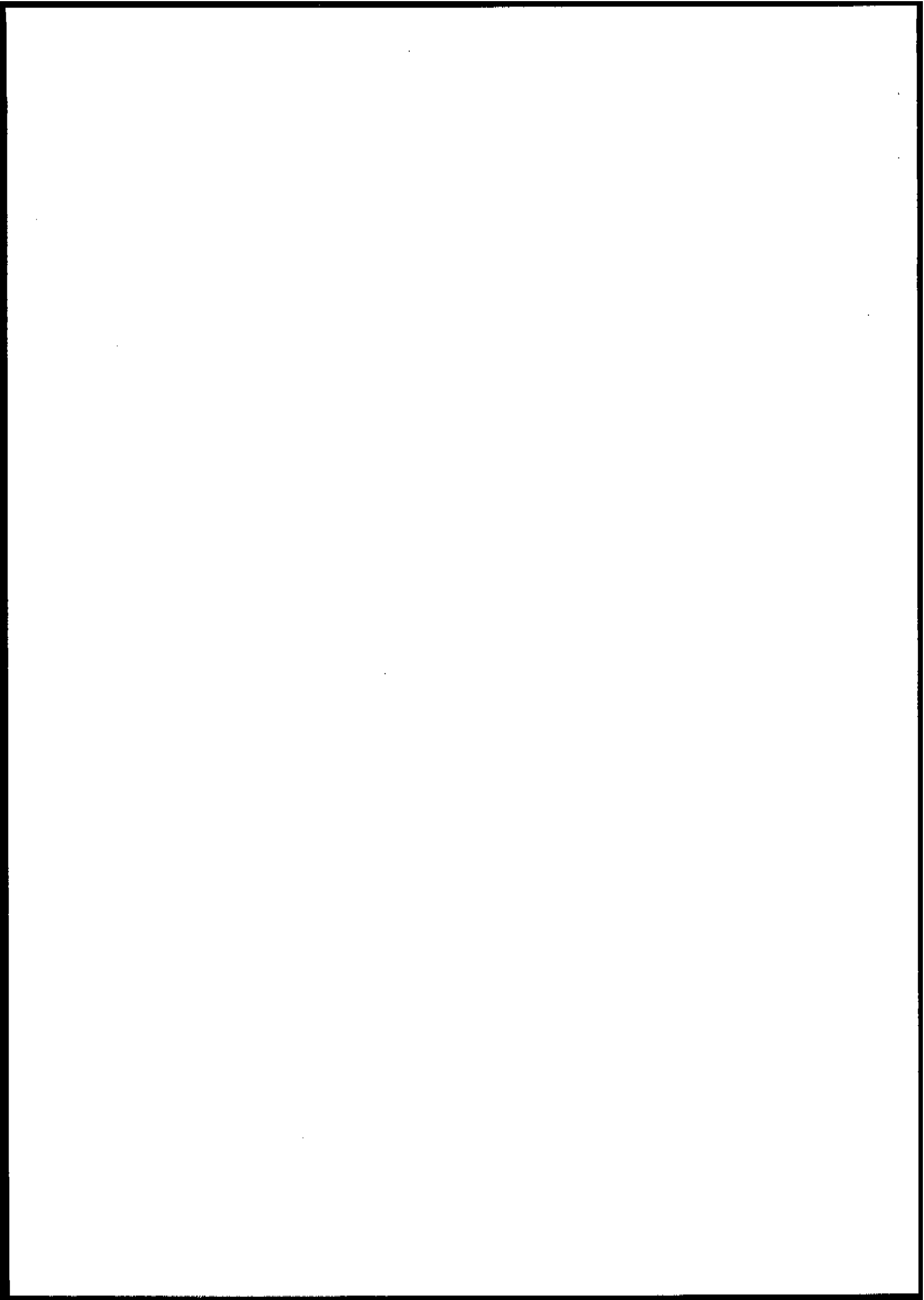
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Fourteenth Intersecretariat Meeting on Air Quality in Europe, Geneva 18 November 1991

FORMAT FOR STATEMENT OF ACTIVITIES

November 1990 - November 1991

PROJECTS COMPLETED AND PUBLICATIONS ISSUED

Organization: UN Economic Commission for Europe

<u>Title of project or document</u>	<u>Symbol of document and date and place of issuance</u>	<u>Method of implementation</u>	<u>Co-operating organization</u>	<u>Remarks</u>
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PUBLICATIONS issued in the context of UN/ECE programmes on air pollution Problems (November 1990-November 1991)

- |  |  |  |  |  |
|--|--|--|--|--|
| - Assessment of long-range Transboundary Air Pollution, Air Pollution Studies No.7   | ECE/EB.AIR/26<br>UN publication E.91.II.E.18<br>1991, New York     |  |  |  |
| - <u>Monit Air: Newsletter on monitoring activities under the Convention on Long-range Transboundary Air Pollution, No. 5</u>  | MILU<br>December 1990, Lilleström                                  |  | Norwegian Institute for Air Research   |  |
| - <u>Forest Damage and Air Pollution: Report of the 1990 Forest Damage Survey in Europe. International Co-operative Programme on Assessment and Monitoring of Air Pollution Effects on Forests</u> | ECE/UNEP Project<br>FP/9101-86-05<br>1991, Geneva, Hamburg, Prague |  | UNEP;<br>Federal Research Centre for Forestry and Forestry Products, Hamburg;<br>Forestry and Game Management Research Institute, Prague |  |
| - <u>Proceedings of the Sixth Meeting of the Programme Task Force, International Co-operative Programme on Assessment and Monitoring of Acidification in Rivers and Lakes</u>                      | 1991, Soina  |  | Swedish Environmental Protection Agency  |  |
| - <u>The Three Year Report on Results from the International Cooperative Programme on Assessment and Monitoring of Acidification in Rivers and Lakes, 1987-1989</u>                                | 1991, Oslo   |  | Norwegian Institute for Water Research   |  |
| - <u>Second Annual Synoptic Report 1991, Pilot Programme on Integrated Monitoring of Air Pollution Effects on Ecosystems</u>   | 1991, Helsinki   |  | Environmental Data Centre, National Board of Waters and the Environment, Helsinki;<br>Swedish Environmental Protection Agency            |  |
| - <u>Mapping Critical Loads for Europe. CCE Technical Report No. 1</u>   | RIVM Report<br>No.259101001<br>July 1991, Bilthoven                |  | UN Economic Commission for Europe; National Institute of Public Health and Environmental Protection, Bilthoven                           |  |
| - <u>Action on Transboundary Air Pollution</u>   | UN ECE<br>1991, Geneva   |  |  |  |

Fourteenth Intersecretariat Meeting on Air Quality in Europe, Geneva 18 November 1991

FORMAT FOR STATEMENT OF ACTIVITIES

November 1990 - November 1991

PROJECTS COMPLETED AND PUBLICATIONS ISSUED

Organization: UN Economic Commission for Europe

Title of project or document

Symbol of document and date and place of issuance

Method of implementation

Remarks

PUBLICATIONS issued within the Cooperative Programme for Monitoring and Evaluation of Long-range Transmission of Air Pollutants (EMEP)

-	Progress report from the Chemical Co-ordinating Centre for the Period 1 July-31 December 1990	EMEP/CCC - Note 1/91 February 1991, Lilleström	Norwegian Institute for Air Research	
-	Data Report 1989, Part 1: Annual Summaries	EMEP/CCC - Report 2/91 July 1991, Lilleström	Norwegian Institute for Air Research	
-	Data Report 1989, Part 2: Monthly and Seasonal Summaries	EMEP/CCC - Report 3/91 July 1991, Lilleström	Norwegian Institute for Air Research	
-	Vavihill, Field Intercomparison of Samples for Sulphur Dioxide and Sulphate in Air	EMEP/CCC - Report 4/91 August 1991, Lilleström	Norwegian Institute for Air Research	
-	Adjustment of Calculated Depositions Towards Measurements Using Kriging	EMEP/MSC - W/CCC - Report 1/91 August 1991, Lilleström, Oslo	Norwegian Institute for Air Research, Norwegian Meteorological Institute	
-	Calculated Budgets for Airborne Acidifying Components in Europe, 1985, 1987, 1988, 1989 and 1990	EMEP/MSC-W Report 1/91 August 1991, Oslo	Norwegian Meteorological Institute	
-	Long Period Modelling of Photochemical Oxidants in Europe; Calculations for April-September 1989, April-October 1989	EMEP/MSC-W Report 2/91 August 1991, Oslo	Norwegian Meteorological Institute	
-	Comparison of Three Models for Long Term Photochemical Oxidants in Europe	EMEP/MSC-W Report 3/91 August 1991, Oslo	Norwegian Meteorological Institute	

Fourteenth Intersecretariat Meeting on Air Quality in Europe, Geneva, 18 November 1991

FORMAT FOR STATEMENT OF ACTIVITIES

November 1990 - November 1991

PROJECTS COMPLETED AND PUBLICATIONS ISSUED

Organization: UN Economic Commission for Europe

Title of project or document	Symbol of document and data and place of issuance	Method of implementation	Co-operating organization	Remarks
- Long Period Modelling of Photochemical Oxidants in Europe: Some Properties of Targeted VOC Emission Reductions	EHEP/HSC-W Note 1/91 January 1991, Oslo		Norwegian Meteorological Institute	
- Historical Development of Regional Air Quality in Europe: Some Preliminary Results	EHEP/HSC-W Note 2/91 August 1991, Oslo		Norwegian Meteorological Institute	
- Biogenic Sulphur Emissions from the North Atlantic Ocean	EHEP/HSC-W Note 3/91 August 1991, Oslo		Norwegian Meteorological Institute	

Fourteenth Intersecretariat Meeting on Air Quality in Europe, Geneva, 18 November 1991

FORMAT FOR STATEMENT OF ACTIVITIES

November 1990 - November 1991

PROJECTS UNDER EXECUTION

Organization: UN Economic Commission for Europe

Sponsoring body (if applicable)	Title of project	Method of implementation	Date of project initiation	State of progress	Expected date of issuance of results	Co-operating organization	Expected results	Remarks
UNEP	Co-operative programme for Monitoring and evaluation of the long-range transmission of air pollutants in Europe (EMEP)	Ongoing	1977	Ongoing	Ongoing	International Centres: Norway USSR		
	International co-operative programme on assessment and monitoring of air pollution effects on forests	"	1985	"	"	Germany		
	International co-operative programme on assessment and monitoring of acidification in rivers and lakes	"	1986	"	"	Norway		
	International co-operative programme on effects of air pollution on materials, including historic and cultural monuments	"	1986	"	"	Sweden		
	International co-operative programme for research on evaluating effects of air pollutants and other stresses on agricultural crops	"	1987	"	"	United Kingdom		
	Pilot programme on integrated monitoring of air pollution effects on ecosystems	"	1989	"	"	Sweden		
	Task force on emissions of nitrogen oxides from stationary sources	Terminated	1985			Germany	Input to Nox Protocol	
	Task force on integrated assessment modelling	Ongoing	1986		Ongoing	Netherlands		
	Task force on utilization of by-products	Terminated 1991	1987		1991	Austria	Technical Report	
	Task force on emissions of volatile organic compounds from stationary sources	Terminated 1991	1987		1991	France, Germany	Input to VOC Protocol	

Fourteenth Intersessional Meeting on Air Quality in Europe, Geneva, 18 November 1991

FORMAT FOR STATEMENT OF ACTIVITIES

November 1990 - November 1991

PROJECTS UNDER EXECUTION

Organization: UN Economic Commission for Europe

Sponsoring body (if applicable)	Title of project	Method of implementation	State of progress	Date of project initiation	Expected date of issuance of results	Co-operating organization	Expected results	Remarks
	Task Force on exchange of technology		Ongoing	1988	Ongoing	Finland		
	Task Force on mapping of critical levels and loads		"	1988	"	Germany		
	Task Force on heavy metals		Ongoing	1990	Ongoing	Czech and Slovak Federal Republic		
	Task Force on persistent organic pollutants		Ongoing	1991	Ongoing	Canada/Sweden		

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Fourteenth Intersecretariat Meeting on Air Quality in Europe, Geneva, 18 November 1990

TENTATIVE LIST OF FUTURE MEETINGS

Organization: UN Economic Commission for Europe

<u>Date</u>	<u>Place</u>	<u>Title of Meeting</u>	<u>Remarks</u>
18-22 November 1991	Geneva	Executive Body for Convention on Long-range Transboundary Air Pollution (ninth session)	
3-7 February 1992	Geneva	Working Group on Abatement Strategies (seventh session)	
2-6 March 1992	Geneva	Senior Advisers to ECE Governments on Environmental and Water Problems (fifth session)	
7-15 April 1992	Geneva	Economic Commission for Europe (forty-seventh annual session)	
22-24 June 1992	Geneva	Group of Economic Experts on Air Pollution (eighth session)	
24-26 June 1992	Geneva	Working Party on Air Pollution Problems (twenty-first session)	
13-17 July 1992	Geneva	Working Group on Abatement Strategies (eighth session)	
24-27 August 1992	Geneva	Working Group on Effects (eleventh session)	
1-3 September 1992	Geneva	EHEP Steering Body (sixteenth session)	
16-20 November 1992	Geneva	Executive Body for the Convention on Long-range Transboundary Air Pollution (tenth session)	



UNITED NATIONS ENVIRONMENT PROGRAMME  
PROGRAMME DES NATIONS UNIES POUR L'ENVIRONNEMENT



IEO/DIE

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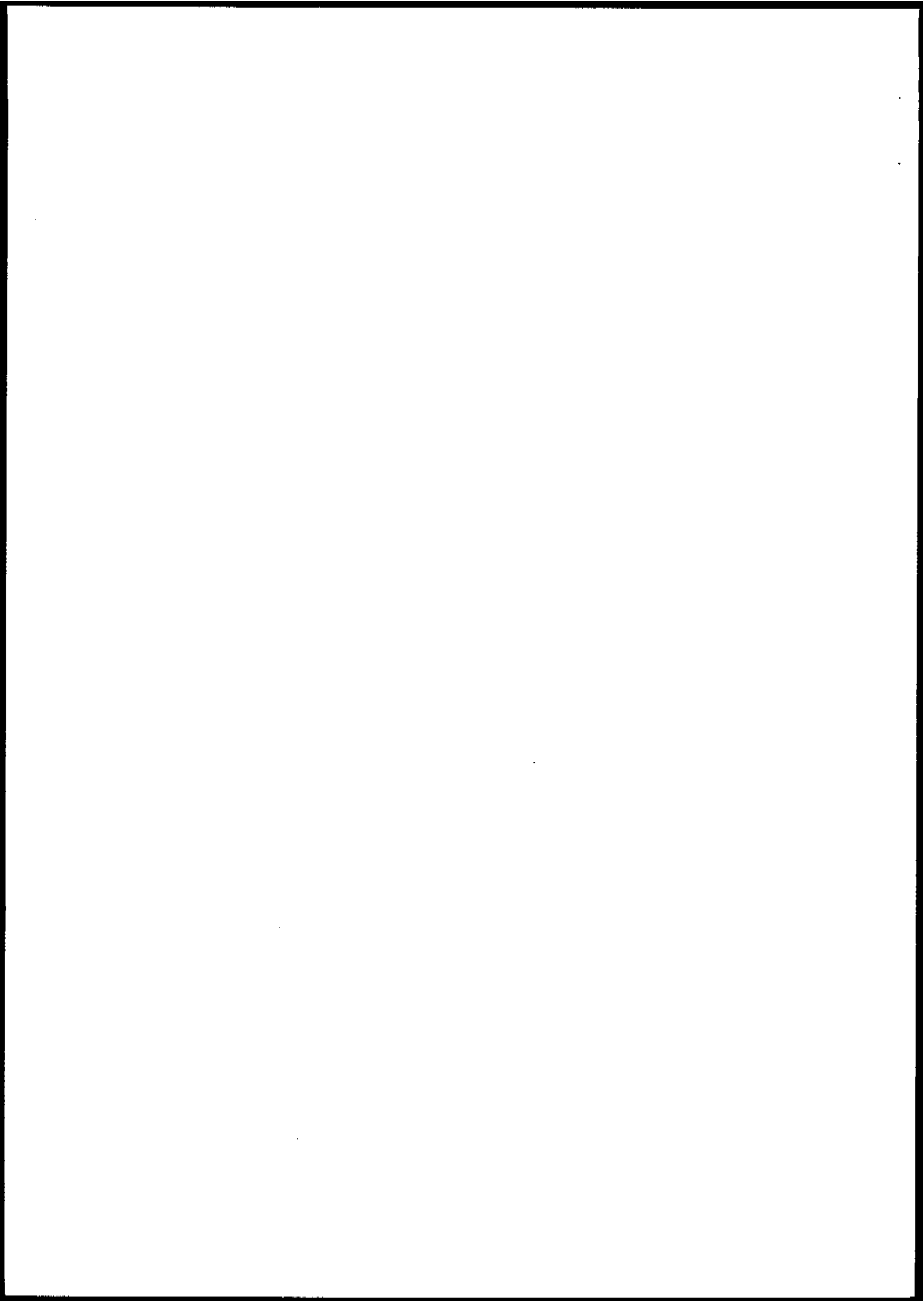
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FORMAT FOR STATEMENT FOR ACTIVITIES

NOVEMBER 1990 - NOVEMBER 1991

PROJECTS COMPLETED AND PUBLICATIONS ISSUED

Organization: Industry and Environment Programme Activity Centre (IE/PAC)

United Nations Environment Programme

Title of project or document	Symbol of document and date and place of issuance	Method of implementation	Cooperating organization	Remarks
Workshop on Country Specific Activities to Promote Cleaner Production	17-19 September 1991 Paris	WS	FINNIDA Government of UK	*
Climate Change and Energy Efficiency in Industry	Published in October, 1991 London, UK	CS/WG	IPIECA, UK/DOE	
Audit and Reduction Manual for Industrial Emissions and Wastes	- UNEP/IEO Technical Report Series No.7 - UN Publication Sales No. 91.III.D.6 - ISBN 92-807-1303-5 1991, Paris	C/WG	UNIDO OMWC Canada	*
Tanneries and the Environment	- UNEP/IEO Technical Report Series No.4 - UN Publication Sales No. 91.III.D.1 - ISBN 92-807-1276-4 1991, Paris	C/WG	UNIDO	* - - - - - * REMARKS - - - - - The documents or activities are focusing on pollution problems as a whole, including air emissions as well as water effluents and solid wastes. - - - - -

(to be continued)

C = Consultants; CC = Collaborating Centres; CS = Contractual Service Agreements; WG = Working Groups; WS = Workshops.

PROJECTS COMPLETED AND PUBLICATIONS ISSUED (continued)

Title of project or document	Symbol of document and date and place of issuance	Method of implementation	Cooperating organization	Remarks
<u>Industry and Environment Reviews</u>	ISSN. 0378-9993			
- Vol. 13 No. 1, Energy Efficiency No.1	January/February/March 1990			*
- Vol. 13 No. 2, Energy Efficiency No.2	April/May/June 1990			*
- Vol. 14 No. 1-2, Industrial Plant Monitoring	January - June 1991			*
<u>Cleaner Production Newsletters</u>				
	- No. 3, March 1991			*
	- No. 4, November 1991			*
	(Supplement to the			
	<u>Industry and Environment Review</u> )			
	UNEP/IBO, Paris			
<u>APPELL Newsletters</u>				
	- No. 3, March 1991			*
	- No. 4, November 1991			*
	(Supplement to the			
	<u>Industry and Environment Review</u> )			
	UNEP/IBO, Paris			

C = Consultants; CC = Collaborating Centres; CS = Contractual Service Agreements; WG = Working Groups; WS = Workshops.

FORMAT FOR STATEMENT FOR ACTIVITIES

PROJECTS UNDER EXECUTION

Organization: Industry and Environment Office,  
 UNEP (United Nations Environment Programme)

Sponsoring body (if applicable)	Title of Project	Method of implementation	State of progress	Date of project initiation	Expected date of insurance of results	Cooperating organization	Expected Results	Remarks
	Cleaner Production	C/WG WG	Ongoing	1988	-	US/EPA Denmark	Newsletters Workshops	*
	Cleaner Production/ International Cleaner Production Information Clearinghouse (ICPIC)	CC	Ongoing	1988	-	US/EPA %	International Network of Databases on Clean Technology	*
	Awareness and Preparedness for Emergency at Local Level (APELL)	C/WG WS	Ongoing	1988	-	ICCA	Newsletters Regional Workshops	* *
	Activities under the Multilateral Ozone Fund established by the Parties to the Montreal Protocol (CFC Phase-out)	C/WS	Ongoing	1991	-	UNDP World Bank	Regional Workshops Publications/Newsletters	
	Query Response Service	-	Operating	1975	-	Focal points in Governments/ industries	Technical information/advice on case-by-case basis	*
	Computerized Industrial Environmental Legislation Database (CIEL)	C	Setting up/ Collecting Data	1987	1992		Database (public accessible through ICPIC) on environmental legislation/standards on national level	*

(to be continued)

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FORMAT FOR STATEMENT FOR ACTIVITIES

PROJECTS UNDER EXECUTION (continued)

Sponsoring body (if applicable)	Title of Project	Method of implementation	Finalization	Stats of progress	Dets of project initiation	Expected date of insurance of results	Cooperating organization	Expected Results	Remarks
	A Technical Guide on Air Pollution Control Equipment	C/CS	Finalization		1988	1992	GSSTE, AQA	Publication	
	Environmental Aspects of Selected Non-Ferrous Metals Ore (Ni, Cu, Pb, Zn, Cd, Au) Mining; A Technical Guide	C/WG	Finalization		1988	1993		Publication	*
	Environmental Aspects of Nickel Production Pat II	C/WG	Finalization		Jan 1988	1992	The USSR Government	Publication	*
	Laserite Pyrometallurgy and Hydrometallurgy and Ferro-nickel Smelting	C/WG	Drafting		1983	1993	US/EPA	Publication	*
	Environmental Aspects of Copper Production; A Technical Review	C/WG	Drafting		1983	1993	US/EPA	Publication	*
	Environmental Aspects of Lead, Zinc and Cadmium Production; A Technical Review	C/WG	Drafting		1983	1993	Environment Canada	Publication	*
	Guidelines on Environmental Management of Nickel Production	C/WG	Drafting		1983	1993	Environment Canada	Publication	*

(to be continued)

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FORMAT FOR STATEMENT FOR ACTIVITIES

PROJECTS UNDER EXECUTION (continued)

Sponsoring body (if applicable)	Title of Project	Method of implementation	State of progress	Date of project initiation	Expected date of insurance of results	Cooperating organization	Expected Results	Remarks
	Environmental Aspects of Industrial Wood Preservation; A Technical Guide	C/WG	Finalization	Jan 1988	1992		Publication	*
	Environmental Aspects of Pipeline Maintenance; A Technical Guide	C/WG	Drafting	Jan 1988	1992	IPIECA	Publication	*
	Environmental Aspects of Oil Exploration and Exploitation; A Technical Guide	C/WG	Draft Revision	Jan 1988	1992	IPIECA	Publication	*
	Industry and Environment Reviews - Vol. 14 No. 3, Computer-assisted Tools for Environment		Under preparation		1991			*
	- Vol. 14 No. 4, Solvents		Under preparation		1991			*

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FORMAT FOR STATEMENT FOR ACTIVITIES

PROJECTS BEING PLANNED

Organization: Industry and Environment Office,  
 UNEP (United Nations Environment Programme)

Sponsoring body (if applicable)	Title of Project	Method of implementation	State of progress	Date of project initiation	Expected date of insurance of results	Cooperating organization	Expected Results	Remarks
	Guidelines on Environmental Management of Copper Production	C/WG		1991	1993		Publication	*
	Guidelines on Environmental Management of Lead, Zinc and Cadmium Production;	C/WG		1991	1993		Publication	*
	Environmental Aspects of Fertilizer Production	C/WG		1991	1993		Publication	*
	Environmental Aspects of Portland Cement Production	WG		1991	1993		Publication	*
	<u>Industry and Environment Reviews</u>							
	- Vol. 15 No. 2, Transportation			1992			*	
	- Vol. 15 No. 3, Tourism			1992			*	

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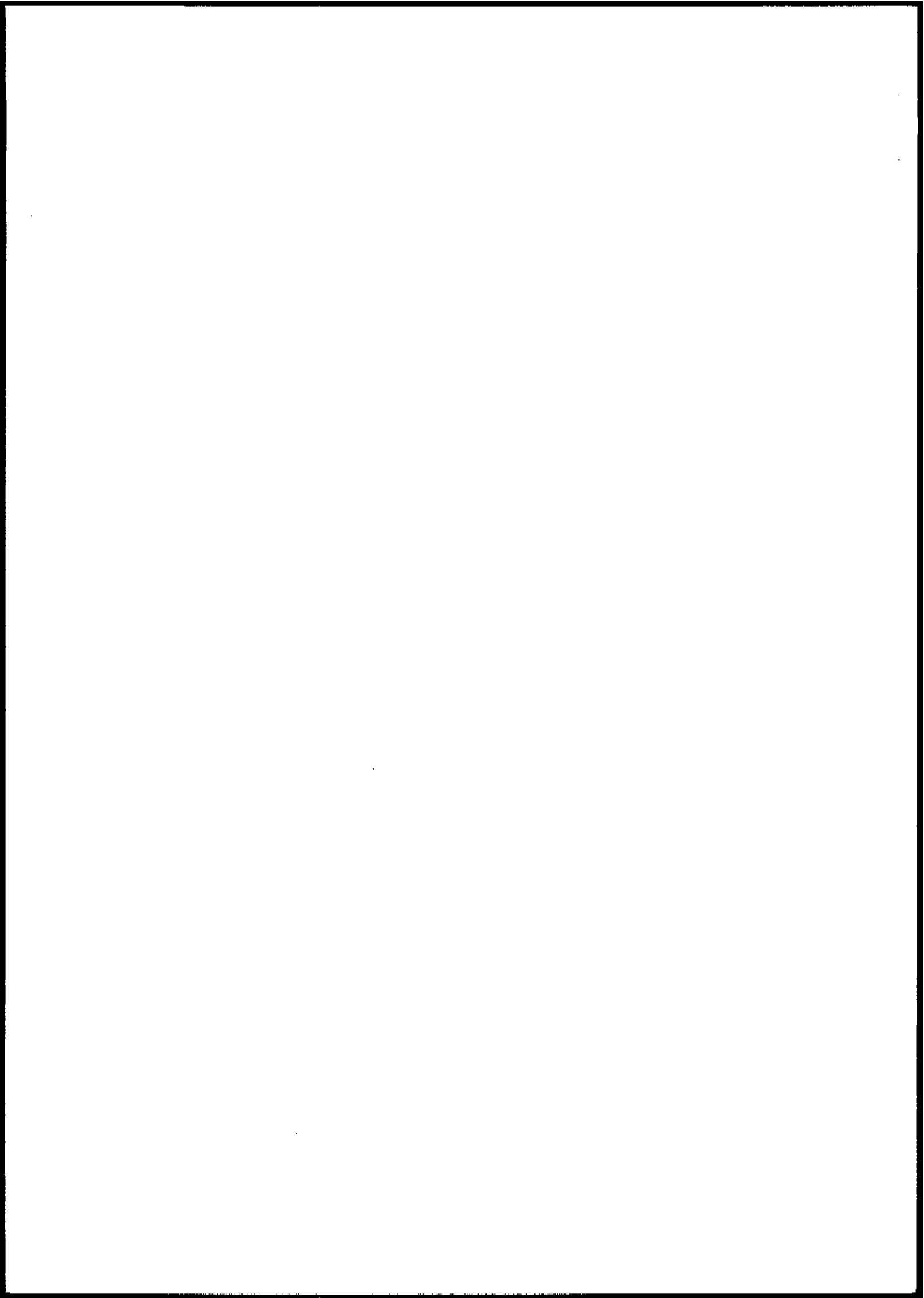
FORMAT FOR STATEMENT FOR ACTIVITIES

LIST OF FUTURE MEETINGS

Organization: Industry and Environment Office,  
UNEP (United Nations Environment Programme)

Date	Place	Title of Meeting	Remarks
Dec 91	Moscow	APELL/ National Workshop (USSR)	*
Dec 91	UNEP/IBO, Paris	APELL/ Senior-level Advisory Group Meeting	*
Jan 92	UNEP/IBO, Paris	Cleaner Production/ Core Group Meeting	*
postponed to early 1992	Yugoslavia	APELL/ Regional Workshop (Mediterranean Countries)	*
May 92	Hungary	APELL/ National Workshop (Hungary)	*
Sept 92		Seminar on Promotion of Cleaner Production (Canterbury II)	*
92	Czechoslovakia	APELL/ National Workshop (Czechoslovakia)	*
92	Poland	APELL/ National Workshop (Poland)	*

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WORLD HEALTH ORGANIZATION  
ORGANISATION MONDIALE DE LA SANTE  
WELTGESUNDHEITSORGANISATION  
ВСЕМИРНАЯ ОРГАНИЗАЦИЯ ЗДРАВООХРАНЕНИЯ  
REGIONAL OFFICE FOR EUROPE  
BUREAU REGIONAL DE L'EUROPE  
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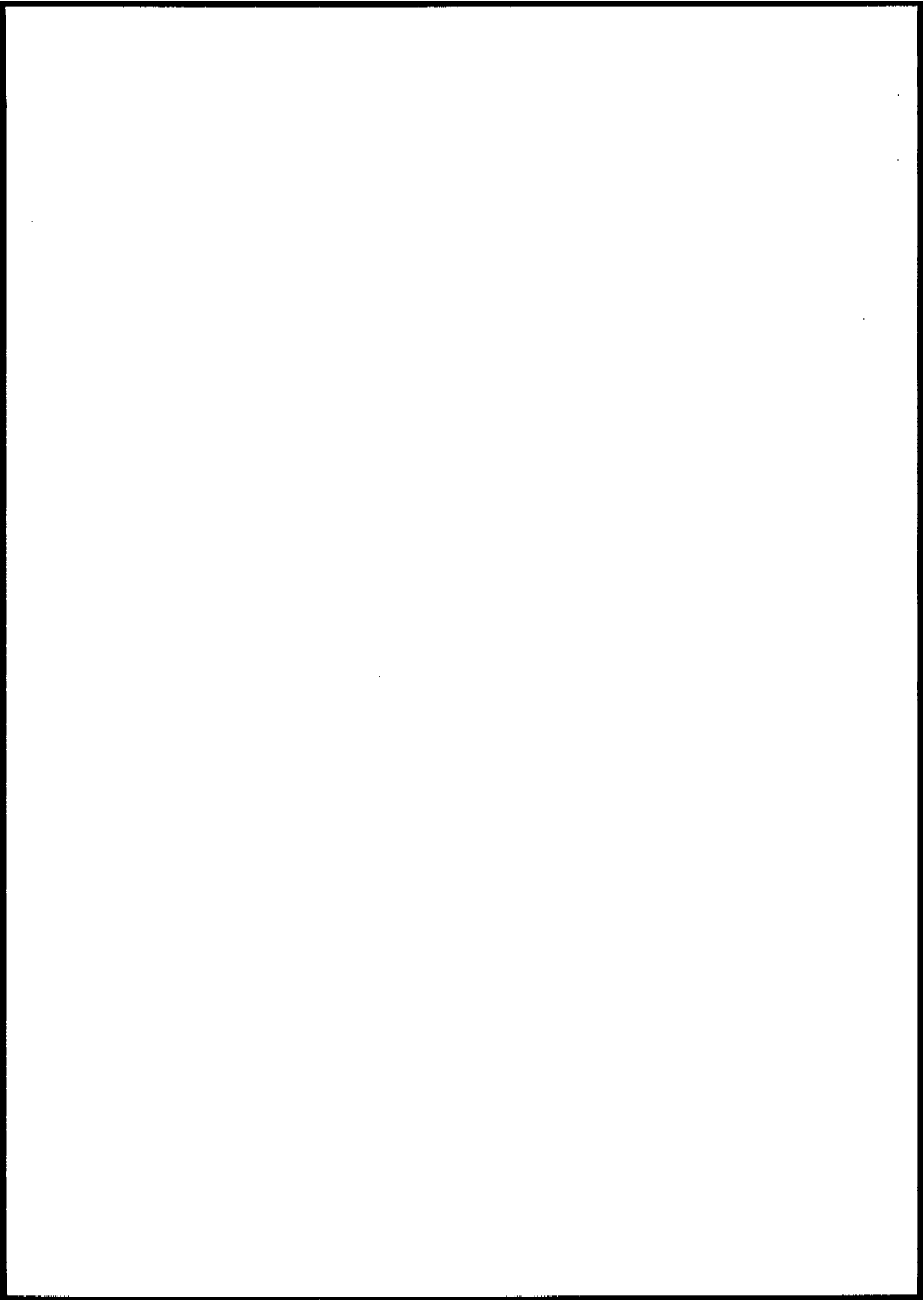
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Fourteenth Intersecretariat Meeting on Air Quality in Europe, Geneva, 18 November 1991

FORMAT FOR STATEMENT OF ACTIVITIES

ANNEX I

PROJECTS COMPLETED AND PUBLICATIONS ISSUED

NOVEMBER 1990 - OCTOBER 1991

Organization: WHO Regional Office for Europe (WHO/EURO)

Title and project or document	Symbol of document and date and place of issuance	Method of implementation	Cooperating organization	Remarks
Air Quality Guidelines in the European Region	WHO/EURO, Copenhagen (1991) (EUR/ICP/CEH 079)	2 WS		Covers 13 countries in southern and eastern Europe
Air Quality Guidelines in the European Region Vol. 2	Summary Report, WHO/EURO, Copenhagen (1992) (Final report in preparation)	WS (Paris) 2-5 Jul 1991	CEC OECD	Last of 3 WS, dealing with 12 western and northern European countries
Impact on Human Health of Air Pollution in Europe	WHO/EURO, Copenhagen (1991) (EUR/ICP/CEH 097)	2 WG	RIVM, NET EPA, USA	Report prepared for the EB for the Convention on Long-range Transboundary Air Pollution
Smog Episodes - Health Risk Assessment	WHO/EURO, Copenhagen (1991) (European Series No. 43)	WG ('s-Hertogenbosch) 30 Oct - 2 Nov 1990	RIVM, NET	Includes management guidelines for winter- and summer-type smog episodes

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ECEH = WHO/EURO European Centre for Environment and Health.

FORMAT AND STATEMENT OF ACTIVITIES

PROJECTS UNDER EXECUTION

Organization: WHO Regional Office Europe (WHO/EURO)

Sponsoring body (if applicable)	Title of Project	Method of implementation	State of progress	Date of project initiation	Expected date of issuance of results	Cooperating organization	Expected Results	Remarks
WHO/EURO	Directory of European national air pollution authorities	CC	Ongoing	1988	1992	WHO CC at WaBoLu, Berlin	Publication	
WHO/EURO	Concern for Europe's Tomorrow (CET)	ECEH	Starting	1991	1993		Reports and publication	
WHO/EURO	Indoor air quality (IAQ)	C, WG	9th meeting on IAQ control and mitigation still anticipated	1978	1992		Publication of meeting reports	
UNEP/WHO	Air quality monitoring	Transmission of national data	Ongoing	Aug 1979 onwards	Ongoing	UNEP	Global sub-mission of air quality data is eventually published	Part of UNEP/GEMS Programme
WHO/EURO	Intersecretariat Meeting on Air Quality in Europe	Annual coordination meeting	Ongoing	1976 onwards	Annually	All IGOs and NGOs concerned	Meeting report	

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PROJECTS BEING PLANNED

Organization: WHO Regional Office Europe (WHO/EURO)

Sponsoring body (if applicable)	Title of Project	Method of implementation	State of progress	Date of project initiation	Expected date of issuance of results	Cooperating organization	Expected Results	Remarks
WHO/EURO	Revised air quality guidelines (AQG)	ECEH C, WG	Not yet started				Revised and enlarged AQG book	
WHO/EURO	Development of air quality indicators	C, WG CC	Not yet started				Indicators useful for international comparison surveys	
WHO/EURO	Intercomparison exercises for quality assurance in air pollution monitoring	CC	In planning				Improvement of air pollution monitoring	For the first stage: SO <sub>2</sub> , NO <sub>2</sub>

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LIST OF FUTURE MEETINGS (including regular sessions of sponsoring body)

Organization: WHO Regional Office Europe (WHO/EURO)

Date	Place	Title of Meeting	Remarks
1992	November 1992 Geneva, Switzerland	Working Group on Indoor Air Quality: sources, control and mitigation	9th meeting of the IAQ project
		Fifteenth Intersecretariat Meeting on Air Quality in Europe	Adjacent to the ECE EB meeting

ORGANISATION MÉTÉOROLOGIQUE MONDIALE



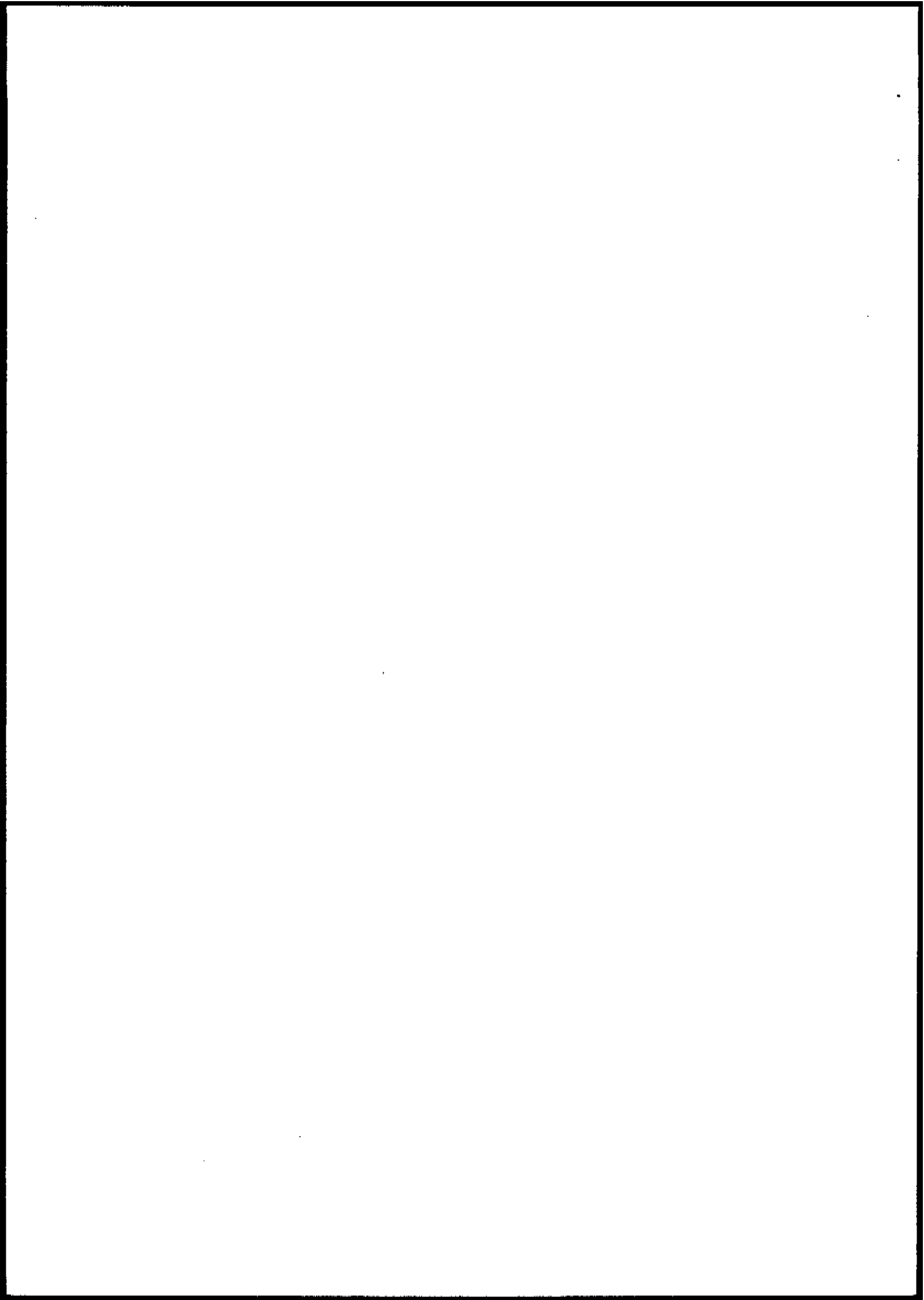
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Fourteenth Intersecretariat Meeting on Air Quality in Europe, Geneva, 18 November 1991

FORMAT FOR STATEMENT OF ACTIVITIES

NOVEMBER 1990 - NOVEMBER 1991

PROJECTS COMPLETED AND PUBLICATIONS ISSUED

Organization: WORLD METEOROLOGICAL ORGANIZATION (WMO)

Title and project or document	Symbol of document and date and place of issuance	Method of implementation	Cooperating organization	Remarks
- Summary Report on the status of the WMO Global Atmosphere Watch (GAW) stations as at 31 December 1990	ENV Report No. 66 (WMO/TD-No. 419), Geneva, October 1991	Survey questionnaire	UNEP	
- Global Changes and the Air-Sea Exchange of Chemicals	GESAMP Reports and Studies No. 48, 1991	WG	UNEP Unesco	
- Role of Cloud Chemistry in the Transport and Transformation of Air Pollutants	WMO ENV Reports Series, 1991	WS		
- Modelling of Continental, Hemispheric and Global Range Transport, transformation and Exchange processes	WMO ENV Reports Series, No. 67, 1991	WS		

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FORMAT AND STATEMENT OF ACTIVITIES

PROJECTS UNDER EXECUTION

Organization: WORLD METEOROLOGICAL ORGANIZATION, REGIONAL ASSOCIATION VI (EUROPE) (WMO/RA VI)

Sponsoring body (if applicable)	Title of Project	Method of implementation	State of progress	Date of project initiation	Expected date of issuance of results	Cooperating organizations	Expected Results	Remarks
	Global Ozone Observing System (GO3OS), including ozone-related compounds under the WMO Global Atmosphere Watch (GAW) System (GAW-GO3OS)	CC, CS, WG, WS Member countries	About 50 stations in operation in RA VI out of a total of about 140 stations worldwide	On-going	Status of implementation published every two years, data published by WMO World Ozone Data Centre, Canada, every two months; Reports and regulatory material published as available	National Meteorological Services, Data Centre, UNEP, EMEP	Data and results of related research; Meeting and Technical Reports. Regulatory material	
	Global monitoring of background atmospheric composition, including BAPMON (Background Air Pollution Monitoring Network) under the WMO Global Atmosphere Watch (GAW) System (GAW-BAPMON)	CC, CS, WG, WS Member countries	About 70 stations in RA VI out of total of about 200 stations worldwide	On-going	Status of implementation published every 2 years; data published on a yearly basis in collaboration with WMO World Data Centres in USA and Japan; Reports and regulatory material published as available	National Meteorological Services, Data Centres, UNEP, EMEP	Data and related research results; Meeting and Technical Reports; Regulatory material	
	Monitoring of and research on airborne pollution of the Mediterranean Sea	CC, C, WS	Activities are under way in ten Mediterranean countries	1989	1992	UNEP	Data and related research results	

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FORMAT AND STATEMENT OF ACTIVITIES

PROJECTS UNDER EXECUTION

Organization: WORLD METEOROLOGICAL ORGANIZATION, REGIONAL ASSOCIATION VI (EUROPE) (WMO/RA VI)

Sponsoring body (if applicable)	Title of Project	Method of implementation	State of progress	Date of project initiation	Expected date of issuance of results	Cooperating organizations	Expected Results	Remarks
	Under GAW-BAPMON upgrading of monitoring programmes at a number of existing stations to add, in particular, measurements of green-house gases	Member countries, CC, WG, CS, WS	Preliminary stage	During WMO Eleventh Finance (1992-1996)	As available	National Meteorological and other Government Services, MED/POL, EMEP, UNEP	Data, Research results, Meeting and Technical reports	
	Training course on monitoring and assessment of airborne pollution of the Mediterranean Sea	CS, C	Preliminary stage	1992	1992	UNEP		
	Training course on Background Atmospheric Composition Measurements	CS, CC	October 1992	1992	1992	UNEP		

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FORMAT AND STATEMENT OF ACTIVITIESLIST OF FUTURE MEETINGS (including regular sessions of sponsoring body) of interest to WMO Regional Association VI (EUROPE)

Organization: WORLD METEOROLOGICAL ORGANIZATION (WMO)

Date	Place	Title of Meeting	Remarks
5-8 Nov. 1991	Prague, Czech and Slovak Federal Republic	Meeting of Experts on Integrated Monitoring at Global Atmosphere Watch (GAW) Stations: Needs and Opportunities	
18-22 Nov. 1991	WMO Secretariat, Geneva, Switzerland	Meeting of Experts on tropospheric ozone	
15-18 Sept. 1992	Vienna, Austria	International conference on Visibility and Fine Particles	
1992	To be decided	Expert Meeting on the Assessment of Meteorological Aspects of EMEP	
May 1992	Geneva (tentatively)	Expert meeting on the assessment of environmental consequences of atmospheric pollution caused by the Kuwait oilfield fires	
1992	To be decided	3-4 expert meetings on technical aspects of the implementation of the Global Atmosphere Watch	

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