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ORIGINAL: ENGLISH

Report on the Thirteenth Intersecretariat Meeting
on Air Pollution Problems in Europe¹
Geneva, 19 November 1990

1. Introduction and participation

The Thirteenth 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 19 November 1990².

It was attended by representatives of the following international intergovernmental organizations: Commission of the European Communities (CEC), 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) and the World Health Organization Regional Office for Europe (WHO/EURO).

The Secretariats of the Baltic Marine Environment Protection Commission (HELCOM), Council for Mutual Economic Assistance (CMEA), Council of Europe (CE), Food and Agriculture Organization of the United Nations (FAO), International Atomic Energy Agency (IAEA), International Civil Aviation Organization (ICAO), International Institute for Applied Systems Analysis (IIASA), International Labour Organization (ILO), International Maritime Organization (IMO), 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), World Health Organization Headquarters (WHO/HQ) and the World Meteorological Organization (WMO) 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 and 20 November 1989, 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. The participants elected Mr Radovan Chrast, ECE, to act as Chairman of the meeting. Dr Suess acted as Rapporteur. The provisional agenda (Annex 2) was presented to the meeting and accepted. Initial item 7 on a group discussion on air pollution from maritime transportation was omitted because the IMO representative could not attend.

Dr Suess presented the scope and purpose of the meeting (Annex 3), 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.

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.

CEC

Two major plans of general concern are dealt with and have been mentioned. One is the goal of reducing and controlling the "greenhouse" effects, and the other is the development of an integrated pollution control system within the industrial premises, including the control of air, water and soil.

UNEP

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

In the 1990s, the work of UNEP/IEO will concentrate on two key areas: cleaner production and prevention of industrial accidents.

Cleaner production. This programme includes the establishment and operation of a network of organizations, including industries, governmental and non-governmental organizations, technical and academic institutions and specialists from all over the world. UNEP/IEO promotes the development and application of low and non-waste technologies to produce more and pollute less through four primary activities: seminars, newsletters, computerized information service and industrial sector working groups.

The computerized information service, International Cleaner Production Information Clearinghouse (ICPIC), would be the main access for the public to the information on cleaner production. Through its different technical data bases and linkage with other existing data bases, ICPIC can help identify technical process options, case studies and industry success stories, as well as locate documents and experts, and identify forthcoming meetings and conferences. The "message" centre helps to foster exchange of ideas and experience between users. The system is now accessible to anyone with a personal computer and a modem.

Prevention of industrial accidents. This programme deals with prevention of industrial accidents and reduction of their impact on environmental and human health when they do occur. To this end, in 1988, UNEP/IEO launched the APELL programme for encouraging local communities to develop emergency plans to deal with technological accidents. A handbook and newsletters have already been published and the idea of APELL has been presented in a series of regional seminars and workshops intended for senior level participants from industry, government, academies and NGOs.

Information transfer (query response service). UNEP/IEO continues to receive inquiries from all over the world on technical issues concerning industry and environment. In 1990, more than 300 inquiries were received, 55 of which came from the European area. UNEP/IEO responded by providing technical documentation or expert advice in cooperation with governments and industrial associations.

OECD

The project on control of major air pollutants (SO₂, NO_x, 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.

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 east European countries.

Reference was made to the new publication (1990) by WHO/HQ of a report on Potential Health Effects of Climatic Changes. Similarly, information was given on the preparation by WHO/EURO and content of a report submitted to the ECE in July 1990 on Impact on Human Health from Air Pollution in Europe. Special mention was made of the recent WHO/EURO working group on health

effects from smog situations, and to the definitions of winter and summer type smogs. In connection with the AQG project, details were given on the preparation and agenda of the third workshop, the location of which is still in question. The agenda will include AQG for use in the planning of national air pollution control strategies, the definition and use of air quality indicators, hazardous air pollutants by the year 2000 and need and nature of a revision and extension of the AQG volume. Finally, reference was made to the WHO/EURO Healthy Cities project and to the fact that one of its components deals with environmental health aspects, including air pollution.

ECE

Within the recent developments in the implementation of the Convention on Long-range Transboundary Air Pollution and other ECE activities related to air pollution problems, particular reference was made to the Working Group on Abatement Strategies elaborating on the "critical loads" approach and preparing a revision of the Helsinki Protocol on sulfur compounds. The Sofia Protocol concerning Control of Emissions of Nitrogen Oxides or Their Transboundary Fluxes would enter into force on 14 February 1991. The Working Group on Volatile Organic Compounds has practically completed preparatory technical work for a protocol on Volatile Organic Compounds, which is expected to be finalized in 1991. Reference was also made to the second major review of strategies and policies for the abatement of air pollution, covering the period from 1987 to 1990 and to progress in the ongoing international cooperative programmes for assessment and monitoring of air pollution effects.

4. Other business

When reviewing the list of organizations for future invitations, it was suggested by participants, and approved by the Group, to omit CMEA and ICAO. The first, because it was going to stop existing and the second, because it has shown no interest in this gathering.

On the suggestion of WHO/EURO, the Group approved the suggested change of the meeting title to the Intersecretariat Meeting on Air Quality in Europe.

As the IMO presentation and consequent discussion on air pollution from maritime transportation could not take place this time, it was proposed to schedule it for the next meeting.

5. Next meeting

The next fourteenth meeting will be convened by WHO/EURO in conjunction with the ninth session of the Executive Body on the Convention on Long-range Transboundary Air Pollution and is now tentatively scheduled for Monday, 18 November 1991 in Geneva.

ANNEX 1

LIST OF PARTICIPANTS

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	Dr Klaus Grefen Secretary, ISO/TC 146 "Air Quality" Commission on Clean Air at VDI and DIN Association of German Engineers 84, Graf-Reche Strasse Postfach 1139 <u>4000 Dusseldorf 1</u> Federal Republic of Germany	Phone: +49-211-621 4265 Fax: +49-211-621 4575 Telex: 8586525
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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 9.30)
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
6. Discussion on documentation to be presented in the future
7. Any other business (such as technical subject discussion, invitations to new organizations, etc.)
8. Date and place of next Intersecretariat Meeting
9. Closure (at 16.50)

ANNEX 4

STATEMENTS SUBMITTED BY THE SECRETARIATS

1. HELCOM Baltic Marine Environment Protection Commission
2. CEC Commission of the European Communities
3. FAO - Food and Agriculture Organization
- UNECE/FAO Agriculture and Timber Division
4. ISO International Organization for Standardization
5. IUFRO International Union of Forestry Research Organizations
6. OECD Organisation for Economic Co-operation and Development
7. UNECE United Nations Economic Commission for Europe
8. UNEP United Nations Environment Programme, Industry and Environment Office
10. WHO/HQ World Health Organization, Headquarters
11. WHO/EURO World Health Organization, Regional Office for Europe

BALTIC MARINE ENVIRONMENT
PROTECTION COMMISSION

• HELSINKI COMMISSION •



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

PROJECTS COMPLETED AND PUBLICATIONS ISSUED

NOVEMBER 1989 - NOVEMBER 1990

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
Deposition of Airborne Pollutants to the Baltic Sea Area 1983-1985 and 1986	Baltic Sea Environment Proceedings No. 32, 1989	Expert Group of the Commission (EGAP)		

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

FORMAT AND STATEMENT OF ACTIVITIESPROJECTS UNDER EXECUTION

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

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
HELCOM	First and Second Intercomparison and Intercalibration Stages		Final editing of the results in Sweden	1987	1990	-	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	Cooperation with NILU, MSC-W, MSC-E

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

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
14-17 May 1991	USSR	Eighth Meeting of the Group of Experts on Airborne Pollution of the Baltic Sea Area (EGAP) of the Baltic Marine Environment Protection Commission - Helsinki Commission -	
January 1991	Oslo, Norway	Editorial group meetings	
Summer 1991	open	Editorial group meetings	

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



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Geneva, 23 november 1990

Format for statement of activities

Projects completed and publications issued November 1989-November 1990

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
Greenhouse effect	conclusions of Joint energy/environment Council of the EC Luxembourg, 29/10/1990	Stabilization of the total CO ₂ emissions by 2000 at 1990 level in the Community as a whole.		

CORINAIR 85 emission inventory of major air pollutants in the Community

Technical document July 1990

Projects under execution

Format for statement of activities

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
Directive 84/360/EEC (Industrial plants) Establishment of Best Available Technology for selected industry sectors (first part)		Technical notes	Ready for publication	1988	1991		Implementatation of existing Community legislation	
VOC reduction from major source categories (3 first sectors of solvent use)		preparative studies	In finalization	1989	1991		Directive proposal	
Reduction of air pollution from Incineration of toxic and dangerous waste		Directive proposal	In finalization	1989	1990		Directive proposal	
Greenhouse effect		cooperation + studies	ongoing	1988	1992	UNEP-WMO	world-wide strategies to combat climate changes	
Air quality objectives for O ₃		Directive proposal	In finalization	1989	1990		Directive Proposal	

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
	Reduction of air pollution from passenger cars	Directive proposal	under discussion	1989	1990		Directive proposal	
	Evaporative emission control of passenger cars	Directive proposal	under discussion	1989	1990		Directive proposal	
	Reduction of air pollution from heavy duty vehicles	Directive proposal	under discussion	1989	1991		Directive proposal	
	Reduction of air pollution from light duty vehicles	Directive proposal	in finalization	1990	1991		Directive proposal	
	Evaporative emission control of gasoline distribution system (stage I)	Directive proposal	In finalization	1989	1991		Directive proposal	
	S in gas oils	Modification of existing Directive	in preparation	1990	1991		Directive proposal	
	Benzene in gasoline	experts consultation	ongoing	1990	1991		Clarification on the need to further limit the benzene content of gasoline	

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 coal combustion plants (50-100 MW)		Directive proposal	preliminary studies	1991	1992		Directive proposal	
Establishment of Best Available Technology for selected industry sectors (2nd part)		Technical notes	In preparation	1990	1991		Technical notes	
VOC reduction from solvent use activities (2nd stage)		preparative studies		1991	1992		Directive proposal	

Format for statement fo activities

Annex IV
Page 4

List of future meetings (including regular sessions of sponsoring body) in 1990-1991

Organisation: Commission of the European Communities

Date	Place	Title of Meeting	Remarks
March 91	Brussels	National experts meeting on photochemical pollution	Analysis of the conclusions of the studies on VOC emission control of some solvent use activities



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FORMAT FOR STATEMENT FOR ACTIVITIES

PROJECTS UNDER EXECUTION

Organization: forestry Department
 FAO (Food and Agriculture Organization of the United Nations)
 Rome, Italy

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
FAO	Monitoring of Air pollution in forests TCP/POL/8951	CC	Ongoing	01/03/90	28/02/91	Polish Forest Institute	Improved capability to assess effects of Air pollution on forests.	



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хозяйства и лесоматериалов
ЕЭК/ФАО

—
ECE/FAO Agriculture
and Timber Division

Thirteenth Intersecretariat Meeting on Air Pollution Problems in Europe, Geneva, 16 November 1990

FORMAT FOR STATEMENT OF ACTIVITIES

ANNEX I

PROJECTS COMPLETED AND PUBLICATIONS ISSUED

NOVEMBER 1989 - NOVEMBER 1990

Organization: UN/ECE Timber Committee

Title and project or document	Symbol of document and date and place of issuance	Method of implementation	Cooperating organization	Remarks
Forest decline attributed to air pollutants in Europe in 1988	ECE/TIM/50 United Nations, New York, 1990			
Ad hoc meeting of experts on the practical application of satellite sensing for forest damage assessment, Sosnowka (Poland), 28-30 May 1990	TIM/R.182 UN/ECE Timber Committee, Geneva			
Technical Group meeting of above ad hoc meeting, Prague (CSFR), 2-4 October 1990	-			

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

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

- 1) UN/ECE Timber Committee (TC)
 Organization: 2) FAO European Forestry Commission (EFC)

<u>Date</u>	<u>Place</u>	<u>Title of Meeting</u>	<u>Remarks</u>
21-22 February 1991	Freiburg-i-B., Germany	Joint meeting of the TC team of specialists on the impact of air pollution and other damage to forests on wood markets and of the EFC ad hoc Working Group: <u>Impact of Air Pollution on Forests</u>	1-day symposium on economic effects on forest enterprises of air pollution; joint review of respective mandates and plans for future activities; review of current forest damage situation

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



ISO Central Secretariat

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

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

NOVEMBER 1989 - NOVEMBER 1990

PROJECTS COMPLETED AND PUBLICATIONS ISSUED

Organization: International Organization for Standardization (ISO)

Title and project or document	Symbol of document and date and place of issuance
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Work-place air -- Determination of mass concentration of carbon monoxide -- Method using detector tubes for short-term sampling with direct indication	ISO 8760:1990
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Ambient air -- Determination of the mass concentration of sulfur dioxide -- Tetrachloromercurate (TCM)/pararosaniline method	ISO 6767:1990
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Planning of ambient air quality monitoring	TR 4227:1989
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Stationary source emissions -- Determination of the mass concentration of sulfur dioxide -- Hydrogen peroxide/barium perchlorate/Thorin method	ISO 7934:1989
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ISO = International Standard

TR = Technical Report

FORMAT AND STATEMENT OF ACTIVITIESPROJECTS UNDER EXECUTIONOrganization: International Organization for Standardization (ISO)

Title of Project	State of progress	Date of project initiation	Expected date of issuance of results	Expected Results
DP 10849 Stationary source emissions -- Determination of mass concentration of nitrogen oxides -- Performance characteristics and calibration of automated measuring systems	CD	1981	1992	DIS
DP 10780 Stationary source emissions -- Measurement of velocity and volume rate of flow of gas streams in ducts	CD	1989	1992	DIS
DP 10396 Stationary source emissions -- Sampling for the automated determination of gas concentrations	CD	1985	1991	DIS
DP 10397 Stationary source emissions -- Determination of asbestos plant emissions -- Method by fibre count measurement	CD	1988	1991	DIS
DP 10155 Stationary source emissions -- Automated monitoring of mass concentrations of particles -- Performance characteristics, test methods and specifications	CD	1979	1991	DIS
DIS 9096 Air quality -- Stationary source emissions -- Determination of concentration and mass flow rate of particulate material in gas-carrying ducts -- Manual gravimetric method	DIS	1979	1991	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
DIS 7935 Stationary source emissions -- Determination of the mass concentration of sulfur dioxide -- performance characteristics of automated measuring methods	DIS	1982	1991	ISO
DP 8671 Workplace air -- Determination of total dust using personal sampling units	CD	1979	1991	DIS
DP 11041 Workplace air -- Determination of particulate arsenic, arsenic compounds and arsenic trioxide vapour -- Method by continuous flow hydride generation and atomic absorption spectrometry	CD	1988	1992	DIS
DP 8519 Workplace air -- Determination of mass concentration of carbon monoxide -- Electrochemical measurement	CD	1979	1991	DIS
DP 8520 Workplace air -- Determination of mass concentration of sulfur dioxide -- Tetrachloromercurate/pararosaniline method	CD	1981	1991	DIS
DP 9976 Workplace air -- Determination of concentrations of C3 to C10 hydrocarbons -- Sorbent tube/thermal desorption/capillary gas chromatographic method	CD	1981	1990	DIS

WD = Working draft

CD = Committee draft

DIS = Draft International Standard

FORMAT AND STATEMENT OF ACTIVITIESPROJECTS UNDER EXECUTIONOrganization: International Organization for Standardization (ISO)

Title of Project	State of progress	Date of project initiation	Expected date of issuance of results	Expected Results
<p>DP 9977</p> <p>Workplace air -- Determination of acrylonitrile -- Porapak N tube/thermal desorption/gas chromatographic method</p>	CD	1981	1991	DIS
<p>DIS 8672</p> <p>Workplace air -- Determination of the number concentration of airborne inorganic fibres by phase contrast optical microscopy -- Membrane filter method</p>	DIS	1981	1991	ISO
<p>DIS 9486</p> <p>Workplace air -- Determination of vaporous chlorinated hydrocarbons -- Charcoal tube/solvent desorption/gas chromatographic method</p>	DIS	1981	1991	ISO
<p>DIS 9487</p> <p>Workplace air -- Determination of vaporous aromatic hydrocarbons -- Charcoal tube/solvent desorption/gas chromatographic method</p>	DIS	1981	1991	ISO
<p>DIS 8518</p> <p>Workplace air -- Determination of particulate lead and lead compounds -- Flame atomic absorption spectrometric method</p>	DIS	1979	1991	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
DP 9855 Ambient air -- Determination of particulate lead content -- Atomic absorption spectrometric method	CD	1977	1991	DIS
DP 10313 Ambient air -- Determination of ozone -- Chemiluminescence method	CD	1978	1991	DIS
DP 10312 Ambient air -- Determination of asbestos fibres -- Direct transfer transmission electron microscopy method	CD	1981	1991	DIS
DP 10529 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	1981	1992	DIS
DP 9835 Ambient air -- Determination of black smoke	CD	1977	1991	DIS
DP 10498 Ambient air -- Determination of sulfur dioxide -- Ultraviolet fluorescence method	CD	1984	1992	DIS
DP 8392 Ambient air -- Determination of mass concentration of hydrogen sulfide -- Gas chromatographic/flame photometric method	CD	1983	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
DP 10473 Ambient air -- Determination of particulate matter -- Beta ray absorption method	CD	1984	1991	DIS
DP 4224 Ambient air -- Determination of carbon monoxide -- Non-dispersive infrared method	CD	1975	1992	DIS
DP 4222 Ambient air -- Measurement of particulate fall-out -- Horizontal deposit gauge method	CD	1979	1992	DIS
DP 6769 Ambient air -- Determination of the mass concentration of hydrogen sulfide -- Methylene blue spectrometric method	CD	1979	1992	DIS
Air quality -- Comparison of characteristic values describing air quality with prescribed limiting values	WD	1989	1991	CD
DP 6879 Air quality -- Performance characteristics and related concepts for air quality measuring methods (Revision of ISO 6879:1983)	CD	1987	1991	DIS
DP 4226 Air quality -- General aspects -- Units of measurement (Revision of ISO 4226:1980)	CD	1987	1990	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
DP 4225 Air quality -- General aspects -- Vocabulary (Future Addendum 1 to ISO 4225:1980)	CD	1978	1991	DIS
DP 9169 Air quality -- Determination of performance Characteristics for evaluation of measuring methods	CD	1979	1991	DIS
DP 8834 Workplace air -- Sampling strategy	CD	1981	1991	DIS
DP 8756 Air quality -- Handling of temperature, pressure and relative humidity data	CD	1981	1992	DIS

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

FORMAT AND STATEMENT OF ACTIVITIESPROJECTS BEING PLANNED

Organization: International Organization for Standardization (ISO)

Title of Project	Date of project initiation	Expected date of issuance of results	Expected Results
Air quality -- Particle size fraction definitions for health-related sampling (Revision of ISO/TR 7708:1983)	1987	1991	CD
Stationary source emissions -- Determination of mass concentration of nitrogen oxides -- Catalytic absorption/naphthylene diamine photometric method	1987	1991	CD
Workplace air -- Determination of respirable dust	1988	1991	WD
Workplace air -- Determination of acrylonitrile -- Diffuse sampling/Thermal desorption method	1989	1991	WD
Workplace air -- Determination of toluene -- Diffuse sampling/Solvent desorption method	1989	1991	WD
Workplace air -- Determination of C6 to C10 hydrocarbons -- Diffuse sampling/Thermal desorption method	1989	1991	WD
Workplace air -- Identification and determination of asbestos in airborne samples -- Polarized light/Membrane filter method	1989	1991	WD

NP = New work item proposal

WD = Working draft

PROJECTS BEING PLANNED

Organization: International Organization for Standardization (ISO)

Title of Project	State of progress	Date of project initiation	Expected date of issuance of results	Expected Results
Ambient air -- Determination of gaseous sulfur compounds -- Sampling equipment (Revision of ISO 4219:1979)	NP	1985	1991	WD
WI 13-066 Ambient air -- Determination of non-methane hydrocarbons (Reconfirmed 87-11)	NP	1983	1991	WD
WI 17-072 Ambient air -- Determination of the concentration of polycyclic aromatic hydrocarbons -- HPLC fluorometric method (Reconfirmed 87-11)	NP	1984	1991	WD
WI 0-077 Ambient air -- Determination of gaseous ammonia and of ammonium in particulate matter -- Diffusion tube method	NP	1988	1992	WD

NP = New work item proposal

WD = Working draft

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

Organization: International Organization for Standardization (ISO)

Date	Place	Title of Meeting	Remarks
End of 1991	Tokyo	ISO/TC 146 "Air quality" ISO/TC 146/SC 1 "Stationary source emissions" ISO/TC 146/SC 2 "Workplace atmospheres" ISO/TC 146/SC 3 "Ambient atmospheres"	Attendance restricted to committee members and representatives of liaison organizations

UNION INTERNATIONALE DES INSTITUTS
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Sekretariat

INTERNATIONAL UNION OF FORESTRY RESEARCH ORGANIZATIONS

Thirteenth Intersecretariat Meeting on Air Pollution Problems in Europe, Geneva, 19 November 1990

FORMAT FOR STATEMENT OF ACTIVITIES

ANNEX 1

PROJECTS COMPLETED AND PUBLICATIONS ISSUED

NOVEMBER 1989 - NOVEMBER 1990

Organization: International Union of Forestry Research Organizations IUFRO

Title and project or document	Symbol of document and date and place of issuance	Cooperating organization	Remarks
Environmental influences: Forest change in relation to climate and air pollution.	IUFRO XIX World Congress 5-11 August, 1990, Montréal, Canada Proceedings. Vol. 1: S1.03	IUFRO Organizing Committee Forestry Canada Place Vincent Massey 351 St. Joseph Blvd. Hull, Quebec Canada K1A 1G5	Copies of these proceedings are available till April 1991 from:
Air pollution effects and inter- actions with Biotic Stresses. Diagnosis and Monitoring of Air Pollution Effects in Forest Ecosystems.	Vol. 2: S2.06/S2.07/P2.05-06 P. 151-201 Vol. 2: P2.05-01 P. 379-406	IUFRO-Sekretariat Seckendorf-Gudent-Weg 8 A-1131 Wien Austria	After that date, copies will be available from:
Air Pollution Effects on Forest Ecosystems: Biochemical and Physio- logical Aspects. Effects of Air Pollution on Soils. Restoration of Forest Ecosystems Damaged/Destroyed by Pollution.	Vol. 2: P2.05-03 P. 407-418 Vol. 2: P2.05-04 P. 419-446 Vol. 2: P2.05-07 P. 447-476		

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: IUFRO, International Union of Forestry Research Organizations

Date	Place	Title of Meeting	Remarks
August 11-15, 1991	Abakan, USSR	Ecological Physiology of Conifers.	<ul style="list-style-type: none"> - Institute of Forest & Wood Siberian Branch USSR Academy of Sciences Krasnoyarsk, 660036 USSR - IUFRO Div. 1
September 2-6, 1991	Prachatice, Czechoslovenska	WS on Monitoring air pollution impact on permanent sample plots. Data processing and interpretation.	<ul style="list-style-type: none"> - Forestry and Game Manage- ment Research Institute Jilobiste-Strnady CSFR-25501 Zbraslav - IUFRO P2.05-01 Diagnosis, monitoring and evaluation.

OECD

OCDE

**ORGANISATION DE COOPERATION ET
DE DEVELOPPEMENT ECONOMIQUES**

**ORGANISATION FOR ECONOMIC
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Thirteenth Intersecretariat Meeting on Air Pollution Problems in Europe, Geneva, 16 November 1990

FORMAT FOR STATEMENT OF ACTIVITIES

ANNEX I

PROJECTS COMPLETED AND PUBLICATIONS ISSUED NOVEMBER 1989 - NOVEMBER 1990

Organisation: OECD/ENVIRONMENT DIRECTORATE

Title and project or document	Symbol of document and date and place of issuance	Method of implementation	Cooperating organization	Remarks
Control Strategies for Photochemical Oxidants across Europe	OECD Publications Paris, 1990	C, CF, WS	CEC Brussels	Report of OECD project on the Control of Major Air Pollutants
Emissions of Volatile Organic Compounds from Solvent Usage Operations	OECD Environment Monograph No. 23 Paris, August 1990	C, CC		
Emission Inventory of Major Air Pollutants in OECD European Countries	OECD Environment Monograph No. 21 Paris, November 1990	C, CC	CEC Brussels	
Emission Control for Nitrogen Oxides and Volatile Organic Compounds & Technology and Costs	OECD Environment Monograph No. 22 Paris, January 1991	C, CC		

C = Consultants; CC = Collaborating Centres; CS = Contractual Service Agreements; WG = 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
OECD	<u>Mobile Source Project</u> -heavy duty motor vehicles -evaporative emissions from motor vehicles -Inspection/maintenance of in use vehicles	C, CC	final	1988	1990		report	publication in 1991
	-Alternative Fuels	C, study	ongoing	1989	1991		report	"
	-Long-term Trends of Motor Vehicle Emis.	C, study	ongoing	1989	1990/91		report	"
	-Impact of Aircraft Emissions on the Atmosphere	CC, Nat. Data Coll.	started	1990	1992/93		report	WS in 1991
	<u>Hazardous Air Pollutants Project</u>							
	-Policy Review of Member Countries			1989	1991		report	
	<u>Air Quality Indicators</u>	WS, study	started	1990	1992	WHO/Europe	report	WS in 1991
	<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.

PROJECTS BEING PLANNED

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>Alternative Policy Instruments for Air Pollution Control of Motor Vehicles</u>	C	Not yet started	1991				

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

FORMAT AND STATEMENT OF ACTIVITY

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

Organization:

Date	Place	Title of Meeting	Remarks
10/11 April 1991	OECD/Paris	41 Meeting of Air Management Policy Group	
Spring 1991	Europe	Workshop on Air Quality Guidelines	in cooperation with WHO/Europe
October 1991	OECD/Paris	42 Meeting of Air Management Policy Group	
October 1991		Impact of Air Traffic Emissions on the Atmosphere	Workshop

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



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Thirteenth Intersecretariat meeting on Air Pollution Problems in Europe, Geneva 19 November 1990

FORMAT FOR STATEMENT OF ACTIVITIES

November 1989 - November 1990

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	Co-operating organization	Remarks
<p><u>PUBLICATIONS issued in the context of UN/ECE programmes on air pollution problems (November 1989-November 1990)</u></p>				
<p>- The State of Transboundary Air Pollution: 1989 Update, Air Pollution Studies No. 6</p>	<p>ECE/EB.AIR/25 UN publication E.90.II.E.33 1990, New York</p>		<p>Norwegian Institute for Air Research</p>	
<p>- Monit Air: Newsletter on monitoring activities under the Convention on Long-range Transboundary Air Pollution, No. 4, Norwegian Institute for Air Research (NILU)</p>	<p>June 1990, Lillestrom</p>		<p>UNEP</p>	
<p>- Forest Damage and Air Pollution: Report of the 1989 Forest Damage Survey in Europe, International Co-operative Programme on Assessment and Monitoring of Air Pollution Effects on Forests, ECE/UNEP Project FF/9101-86-05</p>	<p>1990, Geneva, Hamburg, Usti nad Labem</p>		<p>Norwegian Institute for Water Research</p>	
<p>- Proceedings of the Fifth Meeting of the Programme Task Force, International Co-operative Programme on Assessment and Monitoring of Acidification in Rivers and Lakes</p>	<p>Texte Umweltbundesamt 22/90, July 1990, Berlin</p>		<p>Norwegian Institute for Water Research</p>	
<p>- Draft Data Report 1989, International Co-operative Programme on Assessment and Monitoring of Acidification in Rivers and Lakes, Norwegian Institute for Water Research (NIVA):</p>	<p>1990, Oslo</p>		<p>Norwegian Institute for Water Research</p>	
<p>- Effects of Water and Soil Acidification on Corrosion: Report from a Workshop held in Sigtuna/Sweden</p>	<p>Miljörapport 1990/9, 1990, Copenhagen</p>		<p>Nordic Council of Ministers</p>	
<p>- Annual Synoptic Report 1990, Pilot Programme on Integrated Monitoring, Environmental Data Centres, National Board of Waters and the Environment</p>	<p>1990, Helsinki</p>		<p>Environmental Data Centre National Board of Waters and the Environment, Helsinki</p>	
<p>- Draft Manual on Methodologies and Criteria for Mapping Critical Levels/Loads, and Scientific Background Materials, Task Force on Mapping, Umweltbundesamt</p>	<p>1990, Berlin</p>		<p>Umweltbundesamt</p>	

Thirteenth Intersecretariat Meeting on Air Pollution Problems in Europe, Geneva, 19 November 1990

FORMAT FOR STATEMENT OF ACTIVITIES

November 1989 - November 1990

PROJECTS COMPLETED AND PUBLICATIONS ISSUED

Organization: UN Economic Commission for Europe

Title and project or document.	Symbol of document and date and place of issuance	Method of implementation	Co-operating organization	Remarks
<p>Reports issued within the Co-operative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants (EMEP)</p>	<p>EHEP/CCC - Report 1/90 EHEP/CCC - Report 2/90</p>		<p>Norwegian Institute for Air Research</p>	
<p>The Eleventh Intercomparison of Analytical Methods within EHEP</p>	<p>EHEP/CCC - Report 3/90</p>		<p>"</p>	
<p>Summary Report from the Chemical Co-ordinating Centre for the Fourth Phase of EHEP</p>	<p>EHEP/CCC - Report 4/90</p>		<p>"</p>	
<p>EHEP Workshop on Measurement of Hydrocarbons/VOCs</p>	<p>EHEP/CCC - Report 5/90</p>		<p>"</p>	
<p>Data Report 1988, Part 1: Annual Summaries</p>	<p>EHEP/CCC - Report 6/90</p>		<p>"</p>	
<p>Data Report 1988, Part 2: Monthly and Seasonal Summaries</p>	<p>EHEP/CCC - Report 7/90</p>		<p>"</p>	
<p>European Precipitation Chemistry Atlas, Volume 2</p>	<p>EHEP/MSC - W Report 1/90</p>		<p>Norwegian Meteorological Institute</p>	
<p>Proceedings of the Workshop on International Emission Inventories Regensburg, Federal Republic of Germany, 3-6 July, 1990</p>	<p>EHEP/MSC - W Note 1/90</p>		<p>"</p>	
<p>Report on the Activities at the Meteorological Synthesizing Centre-West during the Fourth Phase of EHEP, 1987 - 1989</p>	<p>EHEP/MSC - W Note 2/90</p>		<p>"</p>	
<p>Some Properties of Deposition Patterns of Nitrogen and Sulphur and their Implications for European Abatement Strategies</p>	<p>EHEP/MSC - W Note 3/90</p>		<p>"</p>	
<p>Long Period Modelling of Photochemical Oxidants in Europe, Calculations for July 1985</p>			<p>"</p>	
<p>Hemispheric-scale Airborne Sulphur - Some Preliminary Model Results</p>			<p>"</p>	

Thirteenth Intersecretariat Meeting on Air Pollution Problems in Europe, Geneva, 19 November 1990

FORMAT FOR STATEMENT OF ACTIVITIES

November 1989 - November 1990

PROJECTS COMPLETED AND PUBLICATIONS ISSUED

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
	Co-operative programme for Monitoring and evaluation of the long-range transmission of air pollutants in Europe (EMEP)		Ongoing	1977	Ongoing	International Centres: Norway USSR		
	International co-operative programme on assessment and monitoring of air pollution effects on forests		"	1985	"	Germany, UNEP		
	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		"	1985	"	Germany		
	Task Force on integrated assessment modelling		"	1986	"	Netherlands		
	Task Force on utilization of by-products		"	1987	"	Austria		
	Task Force on emissions of volatile organic compounds from stationary sources		"	1987	"	France, Germany		
	Task Force on exchange of technology		"	1988	"	Finland		
	Task Force on mapping of critical levels and loads		"	1988	"	Germany		

Thirteenth Intersecretariat Meeting on Air Pollution Problems in Europe, Geneva, 19 November 1990

FORMAT FOR STATEMENT OF ACTIVITIES

November 1989 - November 1990

LIST OF FUTURE MEETINGS

Organization: UN Economic Commission for Europe

Date	Place	Title of Meeting	Remarks
29 January - 1 February 1991	Geneva	Working Group on Volatile Organic Compounds (fifth session)	
25 February - 2 March 1991	Espoo, Finland	Senior Advisers to ECE Governments on Environmental and Water Problems (fourth session)	
2-5 April 1991	Geneva	Working Group on Abatement Strategies (fifth session)	
9-19 April 1991	Geneva	Economic Commission for Europe (forty-sixth annual session)	
3-7 June 1991	Geneva	Working Group on Volatile Organic Compounds (sixth session)	
9-14 June 1991	Munich, Germany	Fifth Seminar on Emission Control Technology for Stationary Sources of Air Pollution	
24-26 June 1991	Geneva	Group of Economic Experts on Air Pollution (seventh session)	
26-28 June 1991	Geneva	Working Party on Air Pollution Problems (twentieth session)	
8-10 July 1991	Geneva	Working Group on Effects (tenth session)	
26-30 August 1991	Geneva	Working Group on Abatement Strategies (sixth session)	
2-4 September 1991	Geneva	EMEP Steering Body (fifteenth session)	
19-22 November 1991	Geneva	Executive Body for the Convention on Long-range Transboundary Air Pollution (ninth session)	



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FORMAT FOR STATEMENT FOR ACTIVITIES

PROJECTS COMPLETED AND PUBLICATIONS ISSUED NOVEMBER 1989 - NOVEMBER 1990

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

Title of project or document	Symbol of document and date and place of issuance	Method of implementation	Cooperating organization	Remarks
Seminar on the Promotion of Cleaner Production	Seminar Proceedings to be published shortly by UNEP/IEO, Paris	C/MG Seminar (Canterbury, UK 17-20 Sept 1990)	The UK Government	* see below
Cleaner Production Newsletters	- No. 1, April 1990 - No. 2, August 1990 (Supplement to the <i>Industry and Environment Review</i>) UNEP/IEO, Paris	C	The French Government The Government of Netherlands	*
APEL (Awareness and Preparedness for Emergencies at Local Level) A Handbook - A process for Responding to Technological Accidents	- UNEP/IEO, Paris - UN Publication Sales No. 88.III.D.3 - ISBN 92 807 1183 0 (1988)	C/MG	CMA CEFC	*
APEL Newsletters	- No. 1, July 1989 - No. 2, June 1990 (Supplement to the <i>Industry and Environment Review</i>) UNEP/IEO, Paris	C		*

----- * REMARKS -----
 | The documents or activities are |
 | focussing on pollution problems as a |
 | whole, including air pollution as well |
as water effluents or solid wastes.

(to be continued)

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
Safe Storage of Hazardous Materials A Technical Guide for Safe Warehousing of Hazardous Materials	- UNEP/IEO Technical Report Series No.3 - UN Publication Sales No. 89.III.D.6 - ISBN 92 807 1238 1 (1990)	C/MC	GIFAP Rhône-Poulenc	*
Environmental Auditing	- UNEP/IEO Technical Report Series No.2 - UN Publication Sales No. 90.III.D.1 - ISBN 92 807 1253 5 (1990)	MS (Paris, France 10-11 Jan 1990)	ICC The French Ministry of Environment	*
<i>Industry and Environment Reviews</i>	ISSN. 0378-9993			
- Vol. 11 No. 2, Technological Accidents No.1	April/May/June 1988			*
- Vol. 11 No. 3, Technological Accidents No.2	July/August/September 1988			*
- Vol. 11 No. 4, Environmental Auditing	October/November/December 1988			*
- Vol. 12 No. 1, Waste Minimization	January/February/March 1989			*
- Vol. 12 No. 2, Siting of Industry	April/May/June 1989			*
- Vol. 13 No. 1, Energy Efficiency No.1	January/February/March 1990			*

C - Consultants; CC - Collaborating Centres; CS - Contractual Service Agreements; MC - Working Groups; MS - 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 issuance of results	Cooperating organization	Expected Results	Remarks
	Cleaner Production	-	Ongoing	1988	-		Newsletters	*
	Cleaner Production/ International Cleaner Production Information Clearinghouse (ICPIC)	CC	Setting up/ Trial Use	1988	1990	US/EPA	International Network of Databases	*
	Awareness and Preparedness for Emergency at Local Level	C/HG WS	Ongoing	1988	-	CMA CEFC	Newsletters Regional Workshops	* *
	Query Response Service	-	Operating	1975	-	Focal points in Governments/ Industries	Technical information/advices on case-by-case basis	*
	Computerized Industrial Environmental Legislation Database (CIEL)	C	Setting up/ Collecting Data	1987	1991	The French Ministry of Environment	Database (public accessible)	*

(to be continued)

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

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 Nickel Production Part II laterite Pyrometallurgy and hydrometallurgy and ferro-nickel Smelting	C/MG	Finalization	Jan 1988	1991	The USSR Government	Publication	*
	Environmental Aspects of Copper Production; A Technical Review	C/MG	Drafting	1983	1992	US/EPA	Publication	*
	Environmental Aspects of Lead, Zinc and Cadmium Production; A Technical Review	C/MG	Drafting	1983	1992	US/EPA	Publication	*
	Guidelines on Environmental Management of Nickel Production	C/MG	Drafting	1983	1992	Environment Canada	Publication	*
	Environmental Aspects of Selected Non-Ferrous Metals Ore (Ni, Cu, Pb, Zn, Cd, Au) Mining; A Technical Guide	C/MG	Finalization/ Drafting additional chapters	1988	1991		Publication	*
	A Technical Review on Air Pollution Control Equipment	C/MG	1st Draft	1988	1991	The Government of France	Publication	

(to be continued)

C = Consultants; CC = Collaborating Centres; CS = Contractual Service Agreements; MG = Working Groups; MS = Workshops.

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 issuance of results	Cooperating organization	Expected Results	Remarks
	Environmental Aspects of Industrial Wood Preservation; A Technical Guide	C/MG	Finalization	Jan 1988	1991		Publication	*
	Environmental Aspects of Tannery; A Technical Guide	C/MG	Final Draft Review/Editing	Jan 1988	1991		Publication	*
	Environmental Aspects of Pipeline Maintenance; A Technical Guide	C/MG	Drafting	Jan 1988	1991	IPIECA	Publication	*
	Environmental Aspects of Oil Exploration and Exploitation; A Technical Guide	C/MG	Draft Revision	Jan 1988	1991	IPIECA	Publication	*
	<i>Industry and Environment Reviews</i> - Vol. 13 No. 2, Energy Efficiency No.2 - Vol. 13 No. 4, Industrial Plant Monitoring		Finalization Under preparation		1991 1991			* *

C - Consultants; CC - Collaborating Centres; CS - Contractual Service Agreements; MG - Working Groups; MS - Workshops.

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/MG		1991	1993		Publication	*
	Guidelines on Environmental Management of Lead, Zinc and Cadmium Production:	C/MG		1991	1993		Publication	*
	Environmental Aspects of Fertilizer Production	C/MG		1991	1993		Publication	*
	Environmental Aspects of Portland Cement Production	MG		1991	1993		Publication	*
	<i>Industry and Environment Reviews</i> - Vol. 14 No. 1, Computer-assisted Tools for Environment - Vol. 14 No. 2, Solvents				1992 1992			* *

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

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
3-5/12/90	UNEP/IEO, Paris	APELL/ Senior-level Advisory Group Meeting	*
17/12/90	UNEP/IEO, Paris	Cleaner Production/ Core Group Meeting	*
Feb/March 1991	Sevilla, Spain	WHO/UNEP/OECD Conference on Technical Accidents	*

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

WORLD HEALTH ORGANIZATION



ORGANISATION MONDIALE DE LA SANTE

Thirteenth Intersecretariat Meeting on Air Pollution Problems in Europe, Geneva, 1 November 1990

ANNEX I

FORMAT FOR STATEMENT OF ACTIVITIES

NOVEMBER 1989 - NOVEMBER 1990

PROJECTS COMPLETED AND PUBLICATIONS ISSUED

Organization: WHO/EHE/PEP Geneva

Title and project or document	Symbol of document and date and place of issuance	Method of implementation	Cooperating organization	Remarks
Global Environment Monitoring System GEMS/Air data handling activities	WHO PEP/90.3	cc cs	UNEP	Projects are ongoing since 1975
GEMS Human Exposure Assessment Location (HEAL) project, report of Coordinators meeting Geneva, 28 February-3 March 1989	WHO PEP/HEAL/89.19	cc cs	UNEP	Projects are ongoing since 1980
Exposure Monitoring of Lead and Cadmium - an international pilot study within the WHO/UNEP HEAL programme	Vahter, Marie and Slorach, Stuart (1980) UNEP/Nairobi	cc cs	UNEP	
Exposure Monitoring of NO ₂ - an international study within the WHO/UNEP HEAL programme	UNEP/Nairobi	cc cs	UNEP	Project completed Report due in 1990
Exposure Monitoring of HCB/DDT - an international study within the WHO/UNEP HEAL programme	UNEP/Nairobi	cc cs	UNEP	Project completed Report due in 1990

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

FORMAT AND STATEMENT OF ACTIVITIES

PROJECTS UNDER EXECUTION

Organization: WHO Headquarters, EHE/PEP, Geneva

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/UNEP	GEMS/Air	cc cs	ongoing	1975	Report of summary of data, 1985 - 1988 expected in 1991	-	-	-
WHO/UNEP	GEMS/HEAL Exposure monitoring studies on Pb/Cd, NO ₂ , HCB/DDT	cc cs	ongoing	1988	Reports due in 1991	-	-	-

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

PROJECTS BEING PLANNED

Organization: WHO Headquarters, EHE/PEP, Geneva

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
UNEP	GEMS/Air, Air pollution in 10 megacities of the world	cc cs c	In preparation	1990	1991	MARC	Report	- - -

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FORMAT AND STATEMENT OF ACTIVITIES

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

Organization: WHO Headquarters, EHE/PEP, Geneva

<u>Date</u>	<u>Place</u>	<u>Title of Meeting</u>	<u>Remarks</u>
10-14 September 1990	Zagreb, Yugoslavia	HEAL Coordinators Meeting	Annual Meeting

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WORLD HEALTH ORGANIZATION
ORGANISATION MONDIALE DE LA SANTE
WELTGESUNDHEITSORGANISATION
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BUREAU REGIONAL DE L'EUROPE
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Thirteenth Intersecretariat Meeting on Air Pollution Problems in Europe, Geneva, 16 November 1990

FORMAT FOR STATEMENT OF ACTIVITIES

ANNEX I

PROJECTS COMPLETED AND PUBLICATIONS ISSUED NOVEMBER 1989 - NOVEMBER 1990

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
Indoor Air Quality: Organic pollutants	WHO/EURO, Copenhagen (1989). (ERS 111)	WG (Berlin (West)) 23-27 Aug 1987		Scientific Publication on 5th meeting of IAQ project
Indoor Air Quality: Biological contaminants	WHO/EURO, Copenhagen (1990) (ES 31)	WG (Rautavaara, FIN) 29 Aug - 2 Sep 88		Scientific report on 6th meeting of IAQ project
Indoor Air Quality: Combustion Products	Summary Report, WHO/EURO, Copenhagen (1990) (Final report in preparation)	WG (Charleston, SC, USA) 30 Oct - 4 Nov 89		7th meeting of IAQ project
Indoor Air Quality: Inorganic fibres and other particulate matter	Summary Report, WHO/EURO, Copenhagen (1990) (Final report in preparation)	WG (Kingston, ON, Canada) 24-28 Jul 90		8th meeting of IAQ project
Impact on health from air pollution in Europe	WHO/EURO, Copenhagen (July 1990)	CS	RIVM, NET	Report to the ECE-EB for the Convention on Long-Range Transboundary Air Pollution

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

FORMAT AND STATEMENT OF ACTIVITIES

Annex II

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	Health assessment of acute smog episodes and guidelines	WG	Ongoing	1990	1991	The Netherlands	Report	
WHO/EURO	Intersecretariat Meeting on Air Pollution Problems In Europe	Annual coordination meeting	Ongoing	1976 onwards	Annually	All IGOs and NGOs concerned	Meeting report	
WHO/EURO	Indoor Air Quality (IAQ)	C, WG	Future meetings in preparation	1978	Ongoing		Publication of meeting reports and final monograph	

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FORMAT AND STATEMENT OF ACTIVITIES

PROJECTS UNDER EXECUTIONOrganization: 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	Air Quality Guidelines (AQG)		Guidelines being introduced to European Member States	End 1983	End 1987 and on		Implementation by Member States at national level	
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

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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	Projected programme activities up to 1995 include, <i>inter alia</i> :	C, CC CS, WG	Not yet started					
	Health Impact of Air Pollution from Various Sources (Industry, Motor Vehicles and Homes)	Study WG		1990	1991		Report	
	Health impact of a "cocktail" of six major air pollutants	Study WG		1990	1991		Report	
	Relationship between peak air pollution concentrations and effects on health	Study WG		1992	1993		Report	
	The relative health impact of exposure to selected air pollutants through direct and indirect routes	Study WG		1993	1994		Report	

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

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

Organization: WHO Regional Office Europe (WHO/EURO)

Date	Place	Title of Meeting	Remarks
8-10 Oct 1990	The Netherlands	Third Workshop on Implementation of Air Quality Guidelines in Western and Northern Europe	Tentatively in cooperation with the CEC
1991		Working Group on Indoor Air Quality: sources, control and mitigation	9th meeting of IAQ project
November 1991	Geneva, Switzerland	Fourteenth Intersecretariat Meeting on Air Pollution Problems in Europe	Adjacent to the ECE EB meeting
1991/2		Review and editorial meeting on IAQ monograph	