

The Second Intergovernmental Meeting  
on the Acid Deposition Monitoring Network  
in East Asia  
25-26 October 2000, Niigata, Japan  
Agenda item 7

WORK PROGRAM AND BUDGET IN 2001 FOR  
THE ACID DEPOSITION MONITORING NETWORK IN EAST ASIA (EANET)

I. INTRODUCTION

1. At the Second Intergovernmental Meeting on Acid Deposition Monitoring Network in East Asia (EANET), ten countries in East Asia decided to start the activities of EANET on a regular basis, based on the experience obtained through its preparatory-phase activities from 1998 to 2000.

2. In order to start EANET as a truly international and effective program, there still remain many preparatory works. Especially, the experience of the preparatory-phase activities shows that the monitoring activities by the participating countries need to be further elaborated, expanded and improved in order to adequately evaluate the state of acid deposition in this region. Moreover, arrangement for EANET Secretariat needs to be developed and finalized. In this sense, the activities in the year 2001 have an imperative importance.

3. This document describes the work program of EANET in this very important year 2001 (calendar year). It also describes some preparatory activities to be implemented in the year 2000.

II. OBJECTIVES

4. The long-term objectives of the EANET activities are:

- to create a common understanding of the state of the acid deposition problems in East Asia;
- to provide useful inputs for decision-making at local, national and regional levels aimed at preventing or reducing adverse impacts on the environment caused by acid deposition; and
- to contribute to cooperation on the issues related to acid deposition among the participating countries.

5. Toward the achievement of these long-term objectives, the EANET activities in 2001 aim at, among others:

- establishing in each participating country a national monitoring plan toward adequate assessment of the state of acid deposition in East Asia;
- continuing monitoring activities with improved quality assurance /quality control (QA/QC);
- developing monitoring methodologies, particularly for dry deposition and impacts on soil and vegetation which are applicable and adequate for East Asia;
- starting consideration of further scientific issues such as emission inventory studies and numerical modelling; and
- continuing consideration of further development of EANET.

### III. INSTITUTIONAL ARRANGEMENT

#### (Intergovernmental Meeting)

6. Intergovernmental Meeting, composed of the representatives of the participating countries, will continue to serve as the decision making body for EANET.

#### (Scientific Advisory Committee)

7. Each participating country is requested to nominate one or two expert(s) as member(s) of the Scientific Advisory Committee (SAC). It is recommended to nominate one expert in deposition monitoring, and one expert in impact monitoring. Their names, affiliations, mailing addresses, telephone and facsimile numbers and E-mail addresses should be notified to the Interim Secretariat by 30 June 2001. Before the notification is made, the members of the Interim Scientific Advisory Group are deemed as the SAC members. Any change in this information should be notified to the Interim Secretariat immediately.

#### (Secretariat)

8. At the Second Intergovernmental Meeting, the United Nations Environment Programme (UNEP) was designated as the Secretariat. After the decision is made within UNEP to act as the Secretariat, it will make necessary arrangement so that it can start the Secretariat functions as early as possible after the Third Intergovernmental Meeting. Before this, the Environment Agency of Japan will continue to serve as the Interim Secretariat to deal with the duties of the Secretariat.

9. On 6 January 2001, as a result of government reorganization in Japan, the Environment Agency will become the Ministry of the Environment, and the Director of the Control and Cooperation Division, Global Environment Bureau, Ministry of the Environment, will replace the Director of the Air Pollution Control Division, Air Quality Bureau, as the Director of the Interim Secretariat.

#### (Network Center)

10. At the Second Intergovernmental Meeting, the Acid Deposition and Oxidant Research Center (ADORC) was designated as the Network Center. It will make necessary arrangement for serving as the Network Center, and start its activities as the Network Center in line with

this work program at the beginning of January 2001. Before this, ADORC will continue to serve as the Interim Network Center for promotion of EANET activities.

(National focal points)

11. The national focal points for the preparatory-phase activities will continue to represent their countries in communicating with the Interim Secretariat, other participating countries and other relevant bodies, and coordinate the EANET activities within their countries. If a country wishes to change the national focal point, it should notify the Interim Secretariat the name, affiliation, mailing address, telephone and facsimile numbers and E-mail address of the new national focal point.

(National centers and national QA/QC managers)

12. The national centers and the national QA/QC managers for the preparatory-phase activities will continue their duties. If a country wishes to change them, it should notify the Interim Secretariat the name, affiliation, mailing address, telephone and facsimile numbers and E-mail address of the new national center and/or national QA/QC manager.

#### IV. MONITORING ACTIVITIES

13. The participating countries are requested to revise the national monitoring plans, based on the experience obtained during the preparatory phase. The plans will be submitted to the Network Center, with information on monitoring sites such as names, addresses and geographical descriptions, by 30 June 2001.

14. Before the national monitoring plans are submitted, the participating countries are requested to continue the acid deposition monitoring undertaken during the preparatory phase.

15. The participating countries are requested to submit the data and related information obtained through the monitoring activities of EANET in the calendar year 2000 to the Network Center by 30 June 2001.

#### V. ACTIVITIES OF THE INTERGOVERNMENTAL MEETING

16. The Third Intergovernmental Meeting will be held in autumn 2001. Countries willing to host the Meeting are invited to express its intention after the Second Intergovernmental Meeting. The Interim Secretariat will discuss the date and venue of the Meeting with the host country. Attendance to the Intergovernmental Meeting should be financed by each country in principle, but as regards the Third Intergovernmental Meeting, attendance of one representative of each participating country to the Meeting will be financed by the budget of the Interim Secretariat.

17. The Third Intergovernmental Meeting will discuss the following agenda:

- review and endorsement of the outcomes of the SAC Meeting;
- review of the progress of EANET activities;
- consideration of the rules of procedure for EANET;
- consideration of arrangement for the Secretariat, including its rules and regulations and establishment of a trust fund;
- consideration of further financial arrangement for EANET;
- consideration of future development of EANET;
- consideration of the work program and budget for 2002; and
- any other issues raised by the participating countries.

18. Meetings to prepare for the discussion at the Third Intergovernmental Meeting may be convened by the Interim Secretariat, depending on availability of additional financial resources.

## VI. ACTIVITIES OF THE SCIENTIFIC ADVISORY COMMITTEE

19. The First SAC Meeting will be held immediately before the Third Intergovernmental meeting in autumn 2001. Participation of one or two SAC members of each participating country to the SAC Meeting will be financed by the budget of the Interim Secretariat.

20. The SAC Meeting will discuss the following agenda:

- review of the EANET activities since the Third ISAG Meeting from scientific and technical viewpoints;
- consideration on the national monitoring plans presented by the participating countries;
- review of the data report on the state of acid deposition monitoring in 2000;
- consideration of improvement of the monitoring methodologies, especially on dry deposition monitoring and soil and vegetation monitoring;
- consideration of the work program and budget for 2002;
- consideration of the future research activities on acid deposition;
- review of the progress of other international programs on acid deposition; and
- any other issues raised by the SAC members or the participating countries.

21. The Task Force on Dry Deposition Monitoring, the Task Force on Soil and Vegetation Monitoring, and the Network of Soil and Vegetation Specialists, established under the Interim Scientific Advisory Group (ISAG), will continue their activities as subgroups of SAC. Participating countries may notify the Network Center any change or additional nomination of the members of these subgroups.

22. The Task Force on Dry Deposition Monitoring will implement its activities in line with the "Strategy Paper for Future Direction of Dry Deposition Monitoring of EANET", endorsed by ISAG in September 1999, by developing technical documents for concentration monitoring, and promoting research activities for inferring dry deposition velocities at some

reference sites.

23. The Task Force on Soil and Vegetation Monitoring will develop a strategy paper for monitoring impacts of acid deposition on soil and vegetation in East Asia. The Network of Soil and Vegetation Specialists will promote dissemination and exchange of technical information on soil and vegetation monitoring in East Asia.

## VII. ACTIVITIES OF THE SECRETARIAT

24. The Interim Secretariat will undertake the Secretariat functions before UNEP starts to act as the Secretariat after the Third Intergovernmental Meeting. Therefore, this chapter refers to the activities of the Interim Secretariat and preparatory works at UNEP for starting Secretariat functions.

25. The Interim Secretariat will make necessary arrangement for the Intergovernmental Meeting and the SAC Meeting, in cooperation with the Network Center. Such arrangement includes preparation and coordination of meeting documents, communication with host country, reporting, publication of proceedings, logistic service such as preparation for conference facilities and disbursement of travel support, and so on.

26. The Interim Secretariat will make administrative and financial arrangement for the Network, such as regular communication with the national focal points, contracting with ADORC for the Network Center activities, promotion of public awareness of EANET, etc.

27. The Interim Secretariat will promote further communication and cooperation with relevant organization and programs relating to acid deposition, such as the Northeast Asian Subregional Environmental Cooperation Program, United Nations Transboundary Air Pollution Modelling Program, European Monitoring and Evaluation Program under the Convention on Long Range Transboundary Air Pollution, Global Atmosphere Watch of the World Meteorological Organization (WMO) etc.

28. UNEP and the Interim Secretariat will consider rules and regulations for the Secretariat, establishment of a trust fund, recruitment of staff for the Secretariat, and other preparatory arrangements for the Secretariat, and submit a proposal to the Third Intergovernmental Meeting for its consideration and approval.

## VIII. ACTIVITIES OF THE NETWORK CENTER

(Central compilation, evaluation and storage of data)

29. Following the data report during the preparatory phase, the Network Center will compile, evaluate and store the next batch of the monitoring data. Special attention will be paid to the QA/QC activities in the participating countries and data verification, and therefore, the data verification group in the Network Center will review the data for verification purpose.

Database for the network monitoring data will be developed and operated by mid-2001.

(Preparation of data report)

30. The Network Center will prepare the next data report, based on the data submitted by the participating countries. The draft data report will be distributed among SAC members in summer/autumn 2001 for their review and comments.

(Dissemination of data and relevant information)

31. The data submitted to the Network Center will be provided to participating countries upon request. Relevant scientific and technical information will be disseminated among the participating countries, as well as other countries, relevant organizations and individuals, either through technical documents, the EANET website or other means. Periodic updating of EANET website will be undertaken to include the records of the EANET activities as appropriate.

(Technical assistance to the participating countries)

32. The Network Center will continue to dispatch technical missions to the participating countries to exchange information and experiences with local experts, to provide technical advice and to disseminate the latest technical information. Participating countries are encouraged to organize a technical workshop during these technical missions.

33. The Network Center will organize a National QA/QC Managers' Meeting in February 2001 to disseminate the latest scientific and technical information, review the Network activities of the participating countries and identify the necessary activities to be carried out by the participating countries. In this meeting, the review and possible revision of the national monitoring plan and the Network monitoring sites would be among the important topics.

34. In addition, the Network Center will continue to provide technical assistance to individual participating countries, depending on the situation of countries. In this connection, close cooperation and coordination will be undertaken with relevant international and bilateral organizations such as the UNEP, WMO and the United Nations Economic and Social Commission for Asia and the Pacific.

(Implementation and coordination of QA/QC activities)

35. Following the two inter-laboratory comparison surveys in 1998 and 1999, the (Interim) Network Center will undertake the third and fourth inter-comparison surveys in November/December 2000 and 2001 respectively. The first survey covered artificial precipitation samples for analysis, and the second one additionally covered soil samples. The third survey in November/December 2000 will further cover artificial samples for monitoring on inland aquatic environment. The fourth survey will continue to cover these three areas, namely wet deposition, soil and inland aquatic environment. The Network Center will prepare the report on the third inter-laboratory comparison survey, based on the data submitted by the participating laboratories for review and comments by SAC members.

36. The Network Center will continue to disseminate the technical information on the QA/QC programs of EANET and other technical documents, provide technical advice to the participating countries in developing national QA/QC programs and standard operating procedures for all the monitoring activities, etc.

37. A report on QA/QC activities in the participating countries will be prepared for review and consideration by SAC members, based on the information by the participating countries.

(Implementation of training activities)

38. The Network Center will implement the following training activities.

- Survey for training/capacity building needs and implementation status of national training activities in the participating countries;
- Continuation of development of detailed training materials, technical documents for monitoring wet deposition, dry deposition, soil and vegetation and inland aquatic environment;
- Assistance for national training activities by providing technical materials, dispatching technical experts, etc.; and
- Individual training at Network Center (tentatively planned for three trainees from the participating countries).

39. Various training programs and other technical assistance activities implemented by donor agencies will be utilized to a maximum content for the promotion of EANET. The Network Center will closely communicate and coordinate with such donor agencies.

(Research activities)

40. The following research activities will be undertaken in 2001, depending on the availability of necessary financial resources. To promote such research activities with the participating countries, the use of the existing fellowship scheme will be pursued.

- Research for improving monitoring methodologies, particularly regarding dry deposition and soil/vegetation. Joint project with Thailand will be continued to measure the dry deposition fluxes for deposition velocity;
- Joint research on monitoring techniques in frigid zones with Russian Federation; and
- Other research activities as appropriate.

(Task Forces etc.)

41. The Network Center will continue to provide support to Task Force on Dry Deposition Monitoring, the Task Force on Soil and Vegetation Monitoring, and the Network of Soil and Vegetation Specialists, as their Secretariat.

(Other activities)

42. The following activities will be undertaken, depending on the availability of necessary financial resources.

- Promotion of public awareness through joint projects with selected participating countries in developing their own national brochures, videotapes on acid deposition etc, and organization of an meeting among such countries to exchange experience on public awareness; and
- Close communication and coordination with acid deposition monitoring networks in other regions and relevant international/bilateral organizations etc. on scientific and technical issues.

## IX. PROPOSED BUDGET

43. The cost estimate of the budget required for the activities of the Interim Secretariat in 2001 is shown in Attachment 1. This is estimated on condition that UNEP would start to operate as the Secretariat provisionally at the beginning of 2002, and that this budget would be borne by the Environment Agency of Japan. For further consideration by the participating countries, Attachment 1 also shows an provisional estimate of the annual budget for the Secretariat in 2002, which should be financed by voluntary contribution by the participating countries.

44. The budget required for the activities of the Network Center is estimated and presented in Attachment 2 and 3. In this table, the budget is divided into two parts, i.e. core budget and additional budget. Both parts will be financed by voluntary contribution of the participating countries. The core budget describes the cost for providing the minimum basis indispensable for promoting the Network activities, such as data management and QA/QC. The additional budget describes the cost for strengthening the Network activities by providing technical assistance to the participating countries and promoting further research activities.

45. The participating countries are encouraged to support the Secretariat and the core budget of the Network Center by making cash contribution to the trust fund, which will be established within UNEP, following a decision made by the Third Intergovernmental Meeting.

46. The participating countries are also encouraged to support the additional budget of the Network Center by providing necessary fund to the Network Center.



## Attachment 1: Estimated Budget for (Interim) Secretariat

## Budget for 2001

Activities	Manpower (man x months)	Estimated budget (US\$)
1. Preparation and arrangements for the meetings		
Logistic preparation for the meetings	7	72,000
ISAG meetings	3	97,000
Intergovernmental meetings	3	59,000
Reporting	2	28,000
2. Administrative arrangements for Network activities	9	80,000
3. Further communication and cooperation	4	56,000
Total	28	392,000

## Budget for 2002

Components	Estimated Annual Budget (US\$)
Personnel	
Coordinator (P-5)	148,500
Contractual Staff	
Consultants 3p/m	21,000
Assistant 15p/m	30,000
Travel	20,000
Rental of Premises	30,000
Intergovernmental Meeting	
Travel (participants)	30,000
Facilities	10,000
SAC Meeting	
Travel (participants)	60,000
Facilities	15,000
Equipment and Furniture	50,000
Reporting	5,000
Communication	10,000
Office Supplies	3,000
Miscellaneous	5,000
Overhead (13%)	56,875
TOTAL	494,375

(note: The cost for equipment and furniture includes initial cost and is expected to decrease after 2003.)

## Attachment 2: Estimated Budget in 2001 for Network Center

Activities	Man/ Month	Estimate (US\$)	core budget	additional budget
<b>1. Central compilation, evaluation and storage of data etc.</b>	<b>5</b>	<b>35,000</b>	<b>35,000</b>	<b>0</b>
Data verification	3	21,000	21,000	
Development of database	2	14,000	14,000	
<b>2. Preparation of data report</b>	<b>4.5</b>	<b>35,000</b>	<b>35,000</b>	
<b>3. Dissemination of data and relevant information</b>	<b>3</b>	<b>20,000</b>	<b>20,000</b>	<b>0</b>
Analysis on the state of acid deposition in the region	2	15,000	15,000	
Development and updating of EANET website	1	5,000	5,000	
<b>4. Technical assistance to participating countries</b>	<b>15</b>	<b>210,000</b>	<b>0</b>	<b>210,000</b>
Dispatch of technical missions	6	100,000		100,000
Assistance to individual countries	8	100,000		100,000
Communication/coordination with donor agencies	1	10,000		10,000
<b>5. Implementation and coordination of QA/QC activities</b>	<b>18</b>	<b>200,000</b>	<b>200,000</b>	<b>0</b>
Inter-laboratory comparison survey	3	50,000	50,000	
Individual questions and answers	4	30,000	30,000	
Meeting of National QA/QC Managers	8	100,000	100,000	
Preparation of QA/QC report	3	20,000	20,000	
<b>6. Development/implementation of training programs</b>	<b>28</b>	<b>270,000</b>	<b>10,000</b>	<b>260,000</b>
Development of annual training program	2	10,000	10,000	
Development of training materials, technical documents	8	100,000		100,000
Assistance for national training activities	4	30,000		30,000
Coordination with and support for other training programs	4	30,000		30,000
Training of individuals at INC	8	80,000		80,000
Communication/coordination with donor agencies	2	20,000		20,000
<b>7. Research activities</b>	<b>15</b>	<b>220,000</b>	<b>0</b>	<b>220,000</b>
Fellowship	3	20,000		20,000
Research for improving monitoring methodologies	6	70,000		70,000
Joint research with Russia	3	100,000		100,000
International research for dry deposition monitoring	3	30,000		30,000
Other research				
<b>8. Technical support for EANET meetings</b>	<b>16</b>	<b>160,000</b>	<b>160,000</b>	<b>0</b>
Preparation of technical documents	6	50,000	50,000	
Attendance to the EANET meetings	4	50,000	50,000	
Support for Task Forces				
Task Force on Dry Deposition Monitoring	2	20,000	20,000	
Task Force on Soil and Vegetation	2	20,000	20,000	
Management of the network on soil/vegetation specialists	2	20,000	20,000	
Other follow-up activities of the meetings				
<b>9. Other activities</b>	<b>5.0</b>	<b>90,000</b>	<b>0</b>	<b>90,000</b>
Raising of public awareness on acid deposition problems				
Development of brochures, videotapes etc.	2	40,000		40,000
Regional workshop on exchange of experiences	3	50,000		50,000
<b>10. Administrative works</b>	<b>35</b>	<b>260,000</b>	<b>95,000</b>	<b>165,000</b>
Communication/coordination	10	80,000	30,000	50,000
Management of budget and personal affairs	20	140,000	50,000	90,000
Miscellaneous	5	40,000	15,000	25,000
<b>Subtotal</b>	<b>145</b>	<b>1,500,000</b>	<b>555,000</b>	<b>945,000</b>
<b>11. Overhead (Secretariat)</b>			<b>72,000</b>	
<b>Total (core budget)</b>			<b>627,000</b>	

(note) It is presumed that several staff will be non-reimbursible experts.

## Attachment 3: Estimated Budget in 2001 for Network Center (itemized)

Unit: US \$

Items	Budget
Salary of staff members	874,000
External consultants/assistants	140,000
Travel costs	165,000
Meetings	116,000
Communication	15,000
Reporting (publication)	67,000
Equipment	46,000
Consumables	72,000
Miscellaneous	5,000
TOTAL	1,500,000