

The Seventh Senior Technical Managers' Meeting  
of the Acid Deposition Monitoring Network  
in East Asia  
1-3 August 2006, Yangon, Myanmar

## **Report on Revised Five-Year Medium Term Plan for the Acid Deposition Monitoring Network in East Asia (2006-2010)**

### **Introduction**

1. During the discussions at EANET meetings in 2004 some participating countries suggested that special medium term plan of EANET activities has to be useful for further operation and development of EANET. Based on the suggestions and decision at the Fifth Session of the Intergovernmental Meeting (IG5), the Working Group on Future Development (WGFD) has the task to prepare a Medium Term Plan for EANET (MTP) to be undertaken for the coming 5 years (2006-2010).
2. The Medium Term Plan should be focused on the whole activities of EANET with stated targets, activities to be undertaken and expected results at the end of the mentioned period. The preparation of MTP is conducted by WGFD together with the Network Center (NC) under the coordination with National Focal Points (NFPs) and other EANET bodies. The preparation of the document was expected to be within 1 year with consideration by IG7 in November 2006.

### **Activity on preparation of MTP after STM6**

3. The consideration of first draft report on a Five-Year MTP for EANET was done at the Second Session of the WGFD (WGFD2) in June 2005. The comments and questions at WGFD2 were presented and explained at the STM6 held in July 2005 in Hanoi, Viet Nam. The result of discussions at WGFD2 and STM6 were summarized by NC for dissemination among NFPs, members of WGFD and SAC.
4. Scientific Advisory Committee (SAC) on its Fifth Session (SAC5) on September 1-3, 2005 provided a substantial review and discussion on the content and priorities of MTP for improvement of document. The comments and guidance by SAC and NFPs were used for elaboration of the MTP and a revised document has been submitted to the special session of WGFD and IG7 in November 2005 for its consideration.
5. During the discussion at these meetings above the participating countries agreed that general framework of MTP is endorsed. The suggestions were raised by participants to provide the cost

evaluation for implantation of MTP as well as concerns how this evaluation could be incorporated into the process of MTP elaboration by WGFD in order to present a revised Five-Year Medium Term Plan to the Eighth Session of the Intergovernmental Meeting (IG8) for approval.

6. NC made a revision of MTP with main objective to avoid duplication of activities and to exclude some outputs seemed to be not highly important for MTP. The results of discussions at special session of WGFD and IG7 were summarized for WGFD members by NC and taken into account for revision of MTP. The evaluation of Workload and cost of NC to be necessary for implementation of MTP was provided as the material for WGFD members at its Third Session in May 2006. The process of implementation was also explained with time schedule of MTP.
7. NFPs and members of WGFD were asked to send their comments and suggestions on the revised MTP within one month after WGFD3. NC will revise the present MTP with compiled comments taking into account that some tasks might need more discussion at the next session of WGFD to be held at the end of August 2006. The necessity to make efforts for obtain additional financial resources was expressed based on the prepared MTP upon its adoption.

### **Major topics of MTP revision after STM6**

8. Following the suggestions of WGFD2 and STM6 the prioritization of activities were suggested for discussion at SAC5. The special section was prepared upon the consideration with setting a priority for implementation to several particular activities to be supported by both core and additional budgets. The some activities on new directions were selected among others as priorities, such as establishing of framework to review new substances and Task Force on modeling activities and emission inventory as well as capacity building for model application.
9. After the consideration at special session of WGFD and IG7 in November 2005 the number of tasks was decreased from 35 to 30 by reduction of less important works. The most important parts of some expected results are included into other related items of activities. Some particular answers were done in special supporting document for WGFD3 (EANET/WGFD 3/5/3).
10. The overview on financial sources and fund raising was prepared and included into MTP to provide a view how the implementation of MTP can be supported financially. The necessary efforts were identified for strengthening partnership with donor agencies, research foundations and other funds based on the content of MTP.
11. The workloads and cost estimation were provided by NC as supporting document for WGFD3 (EANET/WGFD 3/5/2). The man-months and necessary cost for NC are expected to increase to 9-21% and 9-16% respectively comparing with 2006 (5-18% and 10-20% correspondently for core budget). Clear identification was prepared on possible sources and efforts of NC to rise funding.

The Third Session of the Working Group  
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17-18 May 2006, Pathumthani, Thailand

## Attachment

# **Five-Year Medium Term Plan for the Acid Deposition Monitoring Network in East Asia (2006-2010)** *(Revised draft)*

## **Introduction**

12. During the regular phase of the Acid Deposition Monitoring Network in East Asia (EANET) the participating countries made considerable efforts and reached evident achievements in line with the objectives of EANET. Some participating countries suggested having a medium term plan of EANET activities.
13. Based on the suggestion and decision at IG5, the WGFD shall prepare a Medium Term Plan for EANET (MTP) to be undertaken for the coming 5 years (2006-2010). The Medium Term Plan will focus on the whole activities of EANET with clearly stated targets, activities to be undertaken, and expected results at the end of the mentioned period.
14. The preparation of MTP is conducted by WGFD together with the Network Center (NC) within a period of one year. The consideration of draft report on a Five-Year MTP for EANET was done at the Second Session of the WGFD in June 2005. The comments and guidance by the Scientific Advisory Committee (SAC) and the National Focal Points (NFPs) were used and a revised document has to be submitted to IG7 in 2005 for its consideration.

## **General Objectives**

15. The main goals and objectives to be achieved in five years can be identified in accordance with the targets of MTP approved by IG6 (EANET/IG6/6/2 rev.2):
  - improvement of current acid deposition monitoring in terms of the data quality, completeness of monitoring items, distribution of monitoring sites and data management;
  - extended assessment of the state of acid deposition in East Asia based on the analysis of the EANET monitoring data;
  - development of scientific researches on the atmospheric environment in East Asia;
  - common understanding on environmental, social and economic issues of atmospheric pollution in East Asia through the establishment of epistemic community and promotion of public awareness;
  - the sound basis for financial contribution and future development of EANET;
  - increasing transparency of EANET;
  - enhancement of cooperative efforts among participating countries and with outside organizations; and
  - strengthening policy relevance of EANET activities.

## **Basic Policy**

16. Basic Policy of the MTP is to develop EANET by the following ways:
  - Strengthening of the basis of EANET  
EANET will continue to promote the activities described in the Tentative Design (EANET/IG2/5/3) in order to strengthen EANET activities.  
Considering that the integrated and comprehensive assessment is extremely important to understand correctly the state of acid deposition in East Asia and to promote the cooperation among the participating countries, EANET will periodically draw up or publish assessment report on the state of acid deposition in East Asia with a review of the latest scientific studies.

- **Promotion of scientific surveys and researches**  
EANET will promote scientific surveys and researches on a wide range of issues to properly assess the state of acid deposition in East Asia and to further understand the acid deposition issues. Especially the studies on ecological impacts such as development of indicators for ecological impacts and establishment of methodologies for detecting impacts in an earlier stage are ones of the most important tasks. EANET will also promote studies for the preparation of emission inventories and the development of simulation models with a view to achieving comprehensive air quality management in East Asia.
- **Establishment of “Epistemic Community”**  
EANET will make efforts to establish an “Epistemic Community” of scientists, researchers and government officials including experts in social and economic fields to exchange information and share common understanding on a wide range of issues of the atmospheric environment in East Asia. Collaboration should be promoted with other international monitoring networks and programs in the world.
- **Promotion of public awareness**  
Considering that the common understanding of the state of acid deposition problems by policy makers and the general public is indispensable to prevent or reduce adverse impacts caused on the environment and human health by acid deposition, EANET will make efforts to collect a wide range of information, provide appropriate and useful information to relevant people and implement other activities to promote public awareness.
- **Establishment of a sound financial basis**  
Following the outcome of the feasibility study on an appropriate instrument, EANET will study for the establishment of a sound financial basis and the further development of EANET. The transparency and efficiency of EANET activities should be also promoted for this purpose.

### **Categories of activities**

17. The activities to be undertaken are categorized in line with the adopted document “Tentative Design of the Acid Deposition Monitoring Network in East Asia” (EANET/IG 2/5/3) and results of discussions during WGFD1 and IG6 (EANET/IG6/6 rev2) mentioned above:
- (i) Promotion of acid deposition monitoring;
  - (ii) Compilation, evaluation, storage and provision of data;
  - (iii) Promotion of quality assurance and quality control (QA/QC) activities;
  - (iv) Implementation of technical support and capacity building;
  - (v) Producing periodic reports on the state of acid deposition in East Asia;
  - (vi) Promotion of research activities related to acid deposition problems;
  - (vii) Promotion of public awareness;
  - (viii) Other relevant activities.
18. Among eight categories mentioned above, categories from (i) to (vii) refer to existing activities, which should be strengthened in EANET. Category (viii) refers to other activities necessary to achieve objectives of the Network.

### **Activities to be undertaken**

19. Under eight categories, 30 particular activities are proposed to be undertaken for the coming five years as follows:
- (i) Promotion of acid deposition monitoring:
    - (1) Improvement of implementation of all required monitoring items with necessary data completeness and accuracy

- (2) Consideration and efforts on appropriate distribution of monitoring sites
  - (3) Development and application of monitoring methods for dry deposition considering current country-specific monitoring methodology
  - (4) Consideration on possible application of less expensive methods of monitoring including passive samplers
  - (5) Review and revision of the monitoring Manuals including operation manuals of monitoring equipment
  - (6) Review of Strategy Paper for future directions of soil and vegetation monitoring
  - (7) Promotion of the future catchment monitoring in line with Strategy Paper
  - (8) Evaluation of monitoring data with application of approach for assessment of impact (e.g. critical load analysis, catchment analysis, etc)
- (ii) Compilation, evaluation, storage and provision of data;
- (9) Compilation and storage of monitoring data
  - (10) Evaluation of appropriateness of monitoring data
  - (11) Promotion of access to monitoring data for data users
- (iii) Promotion of quality assurance and quality control (QA/QC) activities;
- (12) Evaluation of national QA/QC programs and their implementation
  - (13) Research on evaluation of inter-laboratory comparison project results to clarify and solve problems of laboratory analysis in the participating countries as well as for data quality assurance.
- (iv) Implementation of technical support and capacity building;
- (14) Promotion of systematic training and education, and cooperation in training activities implemented by the participating countries and other relevant organizations
  - (15) Promotion of technical support for monitoring in the participating countries
  - (16) Promotion of technical assistance by other relevant organizations
- (v) Producing periodic reports on the state of acid deposition in East Asia;
- (17) Preparation of periodic assessment reports on the state of acid deposition
  - (18) Studies for support to the assessment on the state of acid deposition by means of trend analysis, assessment indicators, numerical modeling and so on.
- (vi) Promotion of research activities related to acid deposition problems;
- (19) Consideration on general directions of research activities by SAC
- (vii) Promotion of public awareness;
- (20) Promotion of public awareness for EANET among the general public, policy makers, private sectors and local governments on acid deposition and its effects
  - (21) Efforts to help high-level policy makers to understand the importance of acid deposition problems in East Asia and EANET activities.
- (viii) Other relevant activities including those for future development and new researches
- Modeling activities and emission inventories.
- (22) Establishment of the Task Force on Modeling Activities and Emission Inventories to discuss relevant topics
  - (23) Promotion of inter-comparison and validation of existing models on acid deposition in East Asia
  - (24) Promotion of the capacity building for model application on urban, national and regional scales

- Selection and review of priority substances to be assessed
  - (25) Establishment of the framework for reviewing substances to be monitored including other air pollutants and monitoring parameters
  - (26) Investigation on environmental/human effects of priority substances and their monitoring requirements such as monitoring equipment, sampling and analytical methods
- Promotion of formation of an “Epistemic Community”
  - (27) Improvement of communication and sharing of common understanding on a wide range of issues of the atmospheric environment in East Asia among the scientists, researchers and government officials of the participating countries
- Improvement and development of institutional arrangement
  - (28) Further improvement of the guidelines for transparency and efficiency of EANET, including activities of sub-bodies such as Task Forces (TF) and sub-committees
  - (29) Studies on the establishment of a sound financial basis and the further development of EANET following the outcome of the feasibility study on an appropriate instrument
  - (30) Establishment of a Working Group for future activities to discuss the possibility of institutional expansion and future development of EANET e.g. establishment of sub-center of NC could be considered, if necessary.

### **Targets, Expected results and Implementation period**

20. Each activity will be implemented to achieve “Targets” during the “Implementation period” with “Expected results and Outputs” at the end of the period as listed in the following tables.

### **Priorities for implementation**

21. During the discussions at sessions of WGFD and SAC5, it was pointed out that MTP might be ambitious with many tasks listed up for five years. Recognizing that medium-term plan should cover the whole EANET activities, WGFD2 and SAC5 recommended clarification of priorities of tasks taking necessary human and financial resources into account, and gave comments and suggestions related to priorities.
22. Based on comments and suggestions by WGFD2 and SAC5, a prioritization for implementation of MTP activities was proposed using the applied division of available financial resources into core and additional parts of budget.
23. Among the activities that should be financed by core budget, priorities are set for following items:
- (1) Improvement of implementation of all required monitoring items with necessary data completeness and accuracy
  - (12) Evaluation of national QA/QC programs and their implementation
  - (17) Preparation of periodic assessment reports on the state of acid deposition
  - (25) Establishment of the framework for reviewing substances to be monitored including other air pollutants and monitoring parameters.
  - (29) Studies on the establishment of a sound financial basis and the further development of EANET following the outcome of the feasibility study on an appropriate instrument.
24. Among the activities that should be financed by additional budget, priorities are set for following items.
- (22) Establishment of the Task Force on Modeling Activities and Emission Inventories to discuss relevant topics
  - (24) Promotion of the capacity building for model application on urban, national and regional scales.
25. Research activities on improvement of understanding of acid deposition problem and

transboundary air pollution would be supported among others from the budget raised by voluntary contribution of participating countries, from research foundations in countries and international agencies.

### **Evaluation and Reviewing**

26. Indicators to evaluate the implementation of MTP will be developed at the starting period (2006-2007) in terms of achievements, completeness and others taking into account the receiving outputs, progress of activities, in particular, of higher priority and so on.
27. The contents of the MTP could be reviewed after the start for the period until 2010 and revised if IG recognizes and highlights such necessity. The recommendations of other EANET sub-bodies and available financial/human resources should be taken into account in the review.

### **Financial sources and fund raising**

28. EANET activities have been supported in terms of the financial and human resources by participating countries and other various donors including municipalities, non-profit organizations, private companies, donor agencies, research funds and fellowship fund. Based on the cost evaluation for implementation of this MTP (EANET/WGFD 3/5/2) additional funding needs to be explored.
29. The costs necessary for participating countries to establish and manage new monitoring sites mostly depend on numbers of new sites. Appropriate geographical distribution of sites should be considered to make EANET monitoring and relevant expenses more effective. The proposals on new sites should be coordinated with national programs on environmental monitoring in the participating countries.
30. The cost for NC is expected to increase from 2007. Unless voluntary contribution to its activities is increased, efforts have to be made to collect necessary amount of money, to raise fund and to diversify the financial sources. Otherwise, some items of MTP may need to be cancelled, or postponed taking into account of priorities on future directions.
31. In order to secure necessary financial resources and to strengthen partnerships with donor agencies, the following strategy is proposed.
  - To encourage voluntary contribution of participating countries
32. Voluntary contribution from participating countries is highly appreciated. The voluntary contribution could address to support various items of additional budget activities as well as holding international meetings in their own country, regardless if it's in-kind. The participating countries that have not yet contributed should be encouraged to do this through various channels.
  - Diversification of financial sources
33. EANET and NC will make efforts to ensure continuous financial supports from existed sources (see EANET/WGFD 3/5/2).
34. Support from international fund agencies like Asian Development Bank, JICA and KOICA should be much more explored, since EANET is important framework for regional cooperation. Capacity building through training and installation of equipment is one of important objectives which any international fund agency aims for the developing countries. Their support along with technical support by NC can help participating countries in preparing for increasing threat of environmental pollution including surface water and soil pollution, for which chemical analysis of rain water and other samples through EANET program will be useful.

➤ Clarification of categories to be supported

35. To explore new financial assistance especially from international donor agencies, it is important to identify clearly the categories of activities that EANET can ask them to support to. Besides the training and installation of equipment, some of them should be specified as the projects to be supported by the donor agencies including activities on public awareness, use of web site, modeling and priority substances.
36. The exchange and communication with other well-known funding organization has to be done to encourage their interests and to suggest projects covered relevant EANET activities in line with recognized aims, priorities and developing supporting programs of these fund agencies.

➤ Strengthening of partnerships with donor agencies and contributors

37. NC and the Secretariat needs to periodically report the current situation of EANET to donor agencies and explain the significance and achievement of EANET and necessity to take a comprehensive approach to relevant problems, with various persuasive materials including this 5-Year Medium Term Plan and the Report for Policy Makers.
38. After the period of support, it is also important to provide and show clear-cut outputs to the donors. Donor agencies that supported a certain activity should be clearly mentioned in the outcomes to show their contribution.
39. While staff from Japanese nonprofit organizations and private companies greatly helps EANET staff and trainees in analytical work in the laboratory, it is necessary to highlight the importance for themselves to get experiences on the international environment of EANET for their future career.
40. The active cooperation for the activities done by donors themselves is important and should be used as much as possible. Dispatching lecturers for courses and missions for JICA project are to be good examples.

➤ Using support from research foundations and other funds

41. Research conducted in cooperation with EANET countries has good opportunities to obtain support of research funds because research at the regional or global scale becomes more and more important. Coordination among research institutes, distinction of roles and clearly described research plans are necessary to apply successfully for those funds. Proposals for research fund may need to be well prepared through discussions in EANET meetings, if participating institutes are dispersed in EANET countries and if admitting that the country holding the fund may take the leadership. It will also strengthen scientific cooperation among EANET countries
42. Prospective young researchers and foreign researchers can be supported by fellowship funds. The use of fellowship in NC can contribute to encourage excellent researchers to EANET activities, promote international cooperation and also reduce personal expenditure of NC budget.
43. EANET is implemented also in cooperation with NGO and NPO on environmental issues. Their activities can be supported by other funds including the Fund for Global Environment, especially for enhancing public awareness. Holding relevant workshops and publication of brochures/pamphlets in each participating country have been supported by the fund so far. Cooperation with NGO and NPO should be actively pursued to continue on those activities. Some candidate projects could be supported by them.



**i. Promotion of acid deposition monitoring**

No.	Activities to be undertaken	Targets	Expected results and Outputs		Implementation period
(1)	Improvement of implementation of all required monitoring items with necessary data completeness and accuracy	To provide complete sets of high quality monitoring data in terms of accuracy, complete (up to 100%) coverage of all mandatory parameters and appropriate application of sampling/ analytical equipment in all the participating countries	[1]	Report on improvement of data completeness and on application of sampling/analytical equipment at the EANET monitoring sites (including recommendation for improvement of equipment and proposal on cooperation with equipment makers for technical support and maintenance of equipment)(see[3])	2007-2008
			[2]	A set of SOPs for operational monitoring	2006-2008
			[3]	Data sets of all the mandatory items to analyze spatial distribution and trends, and to estimate acid deposition fluxes for assessment of impact (e.g. critical load analysis, catchment analysis, etc.)	2006-2010
(2)	Consideration and efforts on appropriate distribution of monitoring sites	To increase the density of monitoring sites	[4]	Establishing new EANET sites	2007-2010
(3)	Development and application of monitoring methods for dry deposition considering current country-specific monitoring methodology	To ensure the implementation of improved/ modern methods for dry deposition (especially in tropical regions) including estimation of dry deposition fluxes in at least three EANET countries (as research studies)	[5]	Technical Manual for dry deposition fluxes estimation prepared by Task Force on Dry Deposition Monitoring	2006-2007
			[6]	Estimation of dry deposition fluxes at the selected monitoring sites in selected EANET countries	2008-2009
(4)	Consideration on possible application of less expensive methods of monitoring including passive samplers	To provide more extensive data sets on acid deposition in EANET	[1]	(see [1]) (including proposals on application of less-expensive methods of monitoring)	2007-2008
(5)	Review and revision of the monitoring Manuals including operation manuals of monitoring equipment	To provide participating countries with revised guidelines for monitoring	[7]	A decision on the revision of Technical Manuals: for Wet Deposition Monitoring of EANET, and for Monitoring on Inland Aquatic Environment	2007
(6)	Review of Strategy Paper for future directions of soil and vegetation monitoring	To clarify particular objectives, ways, and milestones for ecological monitoring	[8]	A revised Strategy Paper for Future Direction of Soil and Vegetation Monitoring of EANET	2007-2008

No.	Activities to be undertaken	Targets	Expected results and Outputs		Implementation period
(7)	Promotion of the future catchment monitoring in line with Strategy Paper	To provide the scientific data on effects of acidification on terrestrial ecosystem based on the elemental budget calculations	[9]	Guidelines/methodologies for the future catchment monitoring	2007 -2010
(8)	Evaluation of monitoring data with application of approach for assessment of impact (e.g. critical load analysis, catchment analysis, etc)	To identify area with potential damage by acid deposition	[10]	Identification of area or regions susceptible to acid deposition damages	2008-2010

**ii. Compilation, evaluation, storage and provision of data**

No.	Activities to be undertaken	Targets	Expected results and Outputs		Implementation period
(9)	Compilation and storage of monitoring data	To maintain the EANET database of monitoring data for support to reporting and scientific studies on acid deposition in East Asia	[11]	Database of EANET monitoring data	2006-2010
(10)	Evaluation of appropriateness of monitoring data	Improvement of data quality by data verification	[12]	Establishment of data verification system	2007
(11)	Promotion of access to monitoring data for data users	Provision of EANET data through internet	[13]	Website for data downloads system and communication system.	2006-2010

**iii. Promotion of quality assurance and quality control (QA/QC) activities**

No.	Activities to be undertaken	Targets		Expected results and Outputs	Implementation period
(12)	Evaluation of national QA/QC programs and their implementation	To review and develop national QA/QC programs of EANET	[14]	Progress report on performance of EANET monitoring in participating countries ( including recommendation for QA/QC activities)	2008-2010
(13)	Research on evaluation of inter-laboratory comparison project results to clarify and solve problems of laboratory analysis in the participating countries as well as for data quality assurance.	To find out the measures for improvement of regular measurements by evaluating the results of inter-laboratory comparison projects on the regular phase	[15]	Report on the evaluation of inter-laboratory comparison tests in 2001-2005 and the improvement of laboratory analysis	2007

**iv. Implementation of technical support and capacity building**

No.	Activities to be undertaken	Targets		Expected results and Outputs	Implementation period
(14)	Promotion of systematic training and education, and cooperation in training activities implemented by the participating countries and other relevant organizations	To improve training activities by considering feedback of trainees and using better training materials	[16]	Report on results of questionnaires on implementation of training initiatives in participating countries and by other relevant organizations	2006-2010
			[17]	A set of training materials (textbooks, reviews of basic knowledge with exercises, special topic brochures)	2006-2010
(15)	Promotion of technical support for monitoring in the participating countries	Improvement of capability for EANET monitoring in participating countries	[18]	Support to current EANET monitoring activities in participating countries	2006-2010
(16)	Promotion of technical assistance by other relevant organizations	Improvement of capability for EANET monitoring in participating countries	[19]	Providing necessary equipment for national EANET monitoring by means of projects supported by external resources	2006-2010

**v. Producing periodic reports on the state of acid deposition in East Asia**

No.	Activities to be undertaken	Targets	Expected results and Outputs		Implementation period
(17)	Preparation of periodic assessment reports on the state of acid deposition	To provide scientific assessment for the public, scientists and policy makers	[20]	The first periodic report (end of 2006)	2006
			[21]	Preparation of the next periodic report	2009-2010
(18)	Studies for support to the assessment on the state of acid deposition by means of trend analysis, assessment indicators, numerical modeling and so on.	To provide scientific instruments for assessment of monitoring data such as trend analysis, assessment indicators, numerical modeling and so on	[22]	Guidance on monitoring data application for assessment reports such as trend analysis, assessment indicators, numerical modeling and data presentation design	2007-2008 (before start of preparation of next periodic report)

**vi. Promotion of research activities related to acid deposition problems**

No.	Activities to be undertaken	Targets	Expected results and Outputs		Implementation period
(19)	Consideration on general directions of research activities by SAC	Consideration and preparation of general directions of research activities in a transparent manner	[23]	Recommendation on general direction for research activities related to acid deposition problems of EANET	2006-2008

**vii. Promotion of public awareness**

No.	Activities to be undertaken	Targets	Expected results and Outputs		Implementation period
(20)	Promotion of public awareness for EANET among the general public, policy makers, private sectors and local governments on acid deposition and its effects	To increase understanding and knowledge level of the general public, etc on acid deposition and its effects	[24]	Printed public awareness materials and updated e-Learning courses and Webpages	2006 -2010
(21)	Efforts to help high-level policy makers to understand the importance of acid deposition problems in East Asia and EANET activities	To make high-level policy makers to understand the importance of acid deposition problems in East Asia and EANET activities.	[25]	Dissemination of information at special session in High Level Meetings	2006
			[26]	Dissemination of information at other regional meetings	2006 -2010
			[27]	New Report for Policy Makers	2008-2009

**viii. Other relevant activities including those for future development and new researches**

➤ **Modeling activities and emission inventories**

No.	Activities to be undertaken	Targets	Expected results and Outputs		Implementation period
(22)	Establishment of the Task Force on Modeling Activities and Emission Inventories to discuss relevant topics	Clarification of future direction on modeling activities and emission inventories in EANET Clarification of necessary measures to implement modeling activities and to develop emission inventories	[28]	Action Plan on relevant activities	2007 -2008
(23)	Promotion of inter-comparison and validation of existing models on acid deposition in East Asia	Clarification of the differences among related models and recommendation on the harmonization of models	[29]	Recommendation on improvement of regional atmospheric transport/chemistry/ deposition models	2007-2010
			[30]	Support to initiatives of participating countries on atmospheric modeling and its application	2007-2010
(24)	Promotion of the capacity building for model application on urban, national and regional scale	To enable every participating country to use existed models for their own objective	[31]	Designation of a suitable standard model of each scale for research/training application	2006
			[32]	Establishment of the training courses on application of the standard models	2007-2010

➤ **Selection and review of priority substances to be assessed**

(25)	Establishment of the framework for reviewing substances to be monitored including other air pollutants and monitoring parameters	To establish the framework for reviewing substances to be monitored and necessary parameters for regular monitoring as well as equipment for that purpose	[33]	Transparent framework for reviewing substances to be monitored	2006-2007
			[34]	Recommendation on monitoring parameters, measurements and equipment for EANET sites	2006-2007
(26)	Investigation on environmental/human effects of priority substances and their monitoring requirements such as monitoring equipment, sampling and analytical methods	To clarify the necessity, monitoring approaches and necessary activities to organize the monitoring of priority substances	[35]	Reports on environmental/human effects of priority substances and their monitoring requirements with available information such as good practices and results of case studies in EANET region	2008-2009
			[36]	Action plans for monitoring priority substances	2010

➤ **Promotion of formation of an “Epistemic Community”**

(27)	Improvement of communication and sharing of common understanding on a wide range of issues of the atmospheric environment in East Asia among the scientists, researchers and government officials of the participating countries	To support formation of the Epistemic Community by EANET scientists, researchers and government officials	[37]	Creating a network of experts concerning a wide range of issues of the atmospheric environment within EANET	2006-2010
			[38]	Periodic issues of Newsletter	2006-2010
			[39]	Regional Workshop on Acid Deposition in one of the participating countries of EANET for scientific community, national governments, civil society, academe, private sector and other international experts and agencies	2006

➤ **Improvement and development of institutional arrangement**

(28)	Further improvement of the guidelines for transparency and efficiency of EANET including activities of sub-bodies such as Task Forces (TFs) and sub-committees	To strengthen EANET activities To promote efficiency and transparency of EANET	[40]	More transparent and efficient activities of EANET bodies including rules of operation of TFs and other sub-bodies as well as necessary guidelines for particular issues of EANET activities	2006-2007
(29)	Studies on the establishment of a sound financial basis and the further development of EANET following the outcome of the feasibility study on an appropriate instrument	To support a process of development of regional legal instrument	[41]	Development of scientific reference materials for creating consensus on the necessary (desirable) regional legal instrument	2006-2007
(30)	Establishment of a Working Group for future activities to discuss the possibility of institutional expansion and future development of EANET e.g. establishment of sub-center of NC could be considered, if necessary.	Improvement of basic structures of EANET to promote active participation Preparation of the next Medium Term Plan	[42]	Report on appropriate design of EANET	2009-2010
			[43]	Medium Term Plan for EANET (2011-2015)	2009-2010

