

The Ninth Session of the Scientific Advisory Committee  
on Acid Deposition Monitoring Network in East Asia  
14-16 October 2009, Tsukuba, Japan

## **Second Report on Future Development of EANET**

### **(Revised Draft)**

#### **I. INTRODUCTION**

1. The Acid Deposition Monitoring Network in East Asia (EANET) started the monitoring activities on a regular basis from January 2001. The tasks of the Intergovernmental Meeting (IG), the Scientific Advisory Committee (SAC), the Secretariat and the Network Center (NC) were described in the Joint Announcement on Implementation of the Acid Deposition Monitoring Network in East Asia (JA) adopted by the participating countries in 2000 and the Tentative Design of EANET (TD) referred to in the JA.
2. In order to be a more effective program and to elaborate on its monitoring activities, the First Report on Future Development was developed and presented to the Fifth Session of the Intergovernmental Meeting (IG5) in 2003. It highlighted the following three sub-topics:
  - i) Further strengthening of the basis of EANET
  - ii) Expansion of EANET activities – admission of new participating countries
  - iii) Efforts for preventing or reducing adverse environmental impacts
3. In the period from 2001 to 2009, many activities to improve efficiency and transparency and for future development of EANET were implemented. To further strengthen the basis of EANET, an Instrument to provide a sound basis for contribution to EANET is being developed. EANET also adopted a set of procedures and guidelines for voluntary financial contribution to the budget of the Secretariat and the NC in 2007. The Scientific Advisory Committee of EANET has further expanded with the establishment of task forces and expert groups.
4. Some of the procedures adopted by EANET will expire in 2010 including the arrangements for voluntary financial contribution to the Secretariat and the Network Center and the Terms of Reference (TOR) of the ad-hoc groups. There were proposals for establishment of additional bodies in EANET for further strengthening of the basis of EANET. It is timely for the IG to consider the institutional arrangement of EANET taking into account recent developments and future requirements.

5. This document was first presented for preliminary discussion at the Eighth Session of the Working Group on Future Development of EANET (WGFD8) in July 2009. This is also for discussion and comments at the Ninth Session of the Scientific Advisory Committee (SAC9) as well as for review and guidance at the Eleventh Session of the Intergovernmental Meeting (IG11).

## **II. INSTITUTIONAL ARRANGEMENT**

### **II-1. Working Group on Future Development of EANET (WGFD)**

6. The WGFD was first established on an ad hoc basis in 2003 and assigned the following tasks for the period 2004-2006:
  - i) Review the performance of the Secretariat and the NC and submit the review report to the IG;
  - ii) Review the financial reports of the Secretariat and NC since the start of the regular phase and recommend appropriate sizes of the budgets of EANET, based on the review results;
  - iii) Develop guidelines on administrative and financial management for the Secretariat and the NC;
  - iv) Study ways in obtaining financial support from international funding agencies;
  - v) Develop a 5-year medium term plan for EANET;
  - vi) Conduct a feasibility study on an appropriate instrument on acid deposition to provide a sound basis for financial contribution by studying on the existing relevant instruments; and
  - vii) Carry out other tasks requested by the IG.
7. Upon expiration of its Terms of Reference (2004-2006), the Seventh Session of the Intergovernmental Meeting (IG7) decided that the WGFD should be continued. The tasks assigned to the WGFD in the period 2007-2008 are:
  - i) Discuss and develop an appropriate instrument and its legal status to provide a sound basis for financial contribution for EANET and report the results of the discussion to the Tenth Session of the Intergovernmental Meeting (IG10) for its consideration;
  - ii) Review the performance of the Secretariat and the NC during the year 2005-2007, including the financial aspect, for future development of EANET and submit the review report to IG10 in 2008;
  - iii) Guide the Secretariat and the NC to carry out capacity building activities; and
  - iv) Carry out other tasks requested by the IG.
8. The term of the WGFD was further extended for two years (2009-2010) at the Tenth Session of the Intergovernmental Meeting (IG10) in 2008 with some modifications

to its composition and tasks:

- i) Review the performance of the Secretariat and NC in the period 2009-2010;
  - ii) Guide the Secretariat and the NC to carry out capacity building activities;
  - iii) Review the implementation of the Strategy on EANET Development (2006-2010);
  - iv) Develop the next Medium Term Plan (2011-2015), in collaboration with the Scientific Advisory Committee (SAC);
  - v) Further develop the instrument, and consider and suggest any necessary procedures;
  - vi) Review and provide guidance to the draft Second Report for Policy Makers; and
  - vi) Carry out other tasks requested by the IG.
9. During the Seventh Session of the Working Group on Future Development (WGFD7), some countries had suggested that establishment of a permanent subsidiary body might be necessary to assist the IG in reviewing the EANET activities.

## **II-2. Scientific Advisory Committee (SAC)**

10. When the SAC was formally established in 2001, it had several subsidiary bodies - a task force on dry deposition monitoring, a task force on soil and vegetation monitoring, and a network of soil and vegetation specialists. The two task forces were tasked to develop several strategy papers and manuals and these were successfully completed. Recently, the terms of reference of these subsidiary bodies were reviewed and assigned new tasks by the SAC.
11. The Strategy on EANET Development (2006-2010) (EANET/IG 8/7/1 rev) adopted at the Eighth Session of the Intergovernmental Meeting (IG8) required additional scientific contributions from SAC members. The Ninth Session of the Intergovernmental Meeting (IG9) approved the recommendation of the SAC to establish the following new task forces and expert groups:
  - Task Force on Monitoring Instrumentation
  - Task Force on Research Coordination
  - Expert Group on Dry Deposition Flux Estimation
  - Expert Group on Preparation of the Second Periodic Report on State of Acid Deposition in East Asia
  - Expert Group on Revision of the Technical Manual on Wet Deposition Monitoring
  - Expert Group on Revision of the Technical Manual on Inland Aquatic Environment Monitoring
12. Members of the SAC were moreover appointed as Chairpersons for all the task forces and expert groups. The IG10 further agreed to the proposal of SAC to rename

the existing Task Force on Dry Deposition Monitoring as Task Force on Monitoring for Dry Deposition.

13. There are other scientific and technical activities which should be implemented by the SAC to achieve a better assessment of the state of acid deposition in East Asia and predict future trends. The SAC may wish to consider the establishment of additional task forces, expert groups or sub-centers in the future for more efficient and greater transparency in its activities.

### **III. FINANCIAL MECHANISM**

14. The Eighth Session of the Intergovernmental Meeting (IG8) agreed that the voluntary financial contribution to the Secretariat budget from the participating countries in 2008-2010 will be a flat rate amount calculated from the projected budget for consecutive 3 years period (2008-2010) as reported in the document “Workload and Cost for Implementing the Strategy on EANET Development (2006-2010)” (EANET/IG 8/7/2 rev).
15. In line with the “Revised Procedure and Guideline for Voluntary Financial Contribution to EANET” (EANET/IG 9/7.rev1) approved by the Ninth Session of the Intergovernmental Meeting (IG9), participating countries agreed on a three-year (2008-2010) flat rate amount voluntary financial contributions to the NC core budget starting from 2008.
16. Japan has contributed to EANET activities since the beginning of EANET. Some other countries made contributions to the Secretariat budget from 2002, while the NC received contributions from some countries to its core budget from 2008.
17. The present financial arrangement on a voluntary basis will continue up to 2010 and the arrangement after 2010 should be determined. One of the objectives of the Instrument is to enable the participating countries to contribute financially to EANET.
18. The WGFD8 requested the Secretariat to develop the document to continue the current financial modality for the next 3 years after 2010.

### **IV. EXPANSION OF EANET ACTIVITIES**

19. The First Report on Future Development discussed expansion of EANET activities through admission of new participating countries. Currently, with thirteen countries

participating in EANET, almost all the East Asian countries are included.

20. Currently EANET is focusing on monitoring acid deposition and its adverse effects on ecosystem. Expansion of scope to include monitoring for impacts on human health in East Asia should be considered in view of the rapid industrial and economic development in the region.

## **V. ACTIONS REQUIRED**

21. The WGFD and the SAC is invited to make recommendations to the IG considering the following topics

- i) Review of the institutional arrangements of EANET

22. The WGFD8 requested the Secretariat and the NC to develop a possible TOR for the establishment of a permanent working group. The IG may wish to consider the attached TOR as Annex of this Report.

- ii) Financial contributions of the participating countries to EANET after 2010

23. In line with the request from the WGFD and Draft Medium Term Plan for EANET (2011-2015) (EANET/SAC 9/12), it is proposed to have a flat rate amount of voluntary contribution for three consecutive years (2011-2013) from the participating countries to the Secretariat budget and the NC core budget, using the latest UN scale burden sharing.

- iii) Expansion of EANET activities

### *Expansion of monitoring site and accuracy of monitoring data*

24. The distribution of monitoring sites in the EANET region is still sparse and inadequate for a comprehensive assessment of the state of acid deposition. Addition of new monitoring sites should be considered, taking into account geographic, climatic and ecological factors. Quality assurance and quality control (QA/QC) activities are critical parts of monitoring to ensure the reliability of data. Through continuous efforts for promotion of QA/QC, the overall quality of EANET datasets has improved over time. QA/QC activities need to be expanded at the national level, including preparation of standard operating procedures (SOPs) and audits of sites and laboratories.

### *Expansion of scope and activities*

25. To ensure flexibility and openness for future development of EANET, participating countries may wish to begin a discussion to consider a broader scope including other regional air pollutants. For more effective management of regional air pollution, the scope of activities may be expanded to include measures for mitigation or prevention. Although the promotion of modeling and emission inventory is included in the Strategy on EANET Development (2006-2011), further development of these activities are necessary for better assessment of regional acid deposition/air pollution.

**Annex**

**Terms of Reference**  
**for the**  
**Working Group on Future Development of Acid Deposition Monitoring**  
**Network in East Asia (EANET)**  
**(Preliminary Draft)**

1. In line with the decision at the Twelfth Session of the Intergovernmental Meeting (IG12) on EANET held in November 2010, the Working Group on Future Development of EANET (hereinafter referred to as the “Working Group”) is established on a permanent basis.
2. The Working Group shall be composed of experts on policy and administrative aspects including regional agreement from participating countries of EANET.
3. Two members of the Working Group shall be nominated by the National Focal Points to the Secretariat in a written form.
4. One Chairperson and two Vice-chairpersons will be elected at the Working Group session.
5. Under the guidance of the Intergovernmental Meeting (IG), the Working Group shall carry out the following tasks:
  - i) Review the performance of the Secretariat and the Network Center (NC) and submit the review report to the IG;
  - ii) Review the financial reports of the Secretariat and the NC and recommend appropriate size of the budget for the approval of the IG;
  - iii) Develop guidelines on administrative and financial management for the Secretariat and the NC, as appropriate for consideration of the IG;
  - iv) Develop and review the Medium Term Plan;
  - v) Review the implementation of the Instrument to Provide a Sound Basis for Contribution to EANET, and consider future development; and
  - vi) Carry out other tasks as requested by the IG.
6. For fulfilling the tasks of the Working Group, additional experts from outside of the participating countries may be invited to attend the Working Group session, as

appropriate.

7. The Working Group shall meet annually, unless otherwise decided.