

The Thirteenth Senior Technical Managers' Meeting
of the Acid Deposition Monitoring Network in East Asia
30-31 August 2012, Hanoi, Vietnam

Report on the Progress of the Acid Deposition Monitoring Network in East Asia (EANET) since the Twelfth Senior Technical Managers' Meeting (STM12)

I. INTRODUCTION

1. The Senior Technical Managers' Meeting (STM) of the Acid Deposition Monitoring Network in East Asia (EANET) has been organized annually by the Network Center (NC) for the EANET in collaboration with the Secretariat for the EANET since the commencement of the regular phase activities of the EANET in 2001. The STM Meetings have been attended by the Senior Technical Managers of all the participating countries, who are responsible for monitoring operations and technical issues of the EANET activities in their countries. The number of topics discussed at the STM Meetings concerned the progress on scientific and technical matters related to the EANET, national monitoring activities and data, results of the inter-laboratory comparison projects and other issues to be considered further at the Session of the Scientific Advisory Committee (SAC) for the EANET.
2. This report presents a review of the progress of the EANET activities since the Twelfth Senior Technical Managers' Meeting (STM12) held in Kuala Lumpur, Malaysia on 21-22 September 2011.

II. INSTITUTIONAL AND ADMINISTRATIVE ARRANGEMENT

II-1 Voluntary Financial Contribution from the Participating Countries

3. In accordance with the Procedures and Guidelines for Voluntary Financial Contributions to EANET for 2011-2013 adopted at the Twelfth Session of the Intergovernmental Meeting (IG12) in November 2010, the Secretariat sent letters to inform all National Focal Points (NFPs) of the EANET of the estimated financial contributions of the participating countries both for the Secretariat budget and the Network Center (NC) core budget in 2011 and 2012 and requested the participating countries to make voluntary financial contribution accordingly. Currently, ten and seven participating countries have already contributed to the Secretariat budget, and the NC core budget, respectively.

II-1-1 Secretariat Budget

4. In December 2011, the Ministry of Environment of Japan (MOEJ) and the AIT-UNEP RRC.AP on behalf of the Secretariat signed an agreement regarding the Japanese financial contribution for the budget of the Secretariat activities in 2011. In accordance with the agreement, the financial contribution from Japan for 2011 was made in March 2012.
5. As of this date, the participating countries that have made voluntary financial contributions to the Secretariat budget in 2011 and 2012 include: Cambodia, China, Japan, Malaysia, Mongolia, Republic of Korea, and Thailand for 2011 Budget; and Lao PDR, Mongolia, Republic of Korea and Thailand for 2012 Budget, as shown in detail in Table 1 of Annex 1.

II-1-2 Network Center Budget

6. In accordance with the Procedures and Guidelines for Voluntary Financial Contribution to EANET for 2011-2013 and the Work Program and Budget of EANET in 2011 and 2012, Cambodia (July 2011), Japan (April 2011 and March 2012), Mongolia (November 2011) and Thailand (March 2011) made contributions to the NC core budget for the year 2011, and Cambodia (June 2012), Japan (March 2012), Lao PDR (August 2012), Mongolia (March 2012), Thailand (March 2012) and Vietnam (August 2012) made contributions to the NC core budget for the year 2012. In April 2011 and March 2012, Japan made contributions for the budget for implementation of the NC additional budget activities for the year 2011 and 2012 respectively. Details of the financial contribution from the participating countries to the NC are shown in Table 2 of Annex 1.

II-2 Staff Recruitment

II-2-1 Secretariat

[Coordinator of the Secretariat]

7. According to the document titled “Review of the Status of the EANET Secretariat (EANET/IG 6/11)” endorsed at the Sixth Session of the Intergovernmental Meeting (IG6) in 2004, the position of the professional staff of the Secretariat will be for a period of two years with a provision for a maximum period of two terms. The Second term of the appointment of the Coordinator, Ms. Adelaida B. Roman, was completed on 31 December 2011.
8. In accordance with the Procedure for the Recruitment of the Coordinator of the Secretariat of Acid Deposition Monitoring Network in East Asia (EANET) sent to the National Focal Points in April 2007, the Secretariat sent out the vacancy announcement

for Coordinator position to all the NFPs of EANET on 8 August 2011. The deadline for the application was on 30 September 2011. The long list and the short list of the applicants were transmitted to the National Focal Points for their information and comment, respectively. Dr. Duong Hong Son (Vietnam) was designated to replace Dr. Supat Wangwongwatana (Thailand) to be a member of the Selection Committee on behalf of the EANET participating countries on the selection process, as the latter was now an applicant to the Coordinator position.

9. On 14 December 2011, the Selection Committee met, interviewed the candidates, and selected Dr. Supat Wangwongwatana from Thailand as the final candidate. After the final candidate was recommended to all the NFPs for comments, Dr. Supat Wangwongwatana was decided to be the next Coordinator and was appointed by AIT-UNEP RRC.AP effective from 1 April 2012 to 31 March 2014.

[Programme Officer of the Secretariat]

10. The term of the appointment of the Programme Officer of the Secretariat, Ms. Dong Yao, was completed on 15 July 2012, the Secretariat then initiated the process to recruit a Programme Officer accordingly. Since there has not been an official procedure for the recruitment of the Programme Officer, the Secretariat consulted all the NFPs to apply the Procedure for the Recruitment of the Coordinator of the Secretariat of Acid Deposition Monitoring Network in East Asia (EANET).
11. The Secretariat sent out the vacancy announcement for Programme Officer position to all the NFPs of EANET on 19 March 2012. The deadline for the application was on 30 April 2012. The long list of the applicants was transmitted to the National Focal Points for their information and comments, if any, on 15 May 2012. The Selection Committee held a meeting on 30 May 2012 on the selection of the short-listed candidates which was subsequently circulated to all the NFPs for their comments. In June 2012, the Selection Committee met and interviewed the short-listed candidates and selected Ms. Suwimol Wattanawiroon from Thailand as the final candidate. After the final candidate was recommended to all the NFPs for comments, Ms. Wattanawiroon was decided to be the next Programme Officer effective from September 2012.

II-2-2 Network Center

[Deputy Director General of ACAP in Charge of the NC]

12. The vacancy announcement for the Deputy Director General (DDG) of Asia Center for Air Pollution Research (ACAP) in charge of the NC was circulated to all NFPs on 31 March 2011 and was also issued on ACAP website. Since only Dr. Jesada Luangjame, the current DDG submitted the application through the NFP of Thailand by the deadline; the Secretariat sent this information to the NFPs and asked comments on 30

May 2011. The Philippines sent their comment/support to the application of Dr. Jesada by the specified timeline. Based on the qualifications and taking into account of his achievements and comments from the participating countries, the President of the Japan Environmental Sanitation Center (JESC) decided on 4 July 2011 to appoint Dr. Jesada Luangjame as the next DDG effective on 1 October 2011.

II-3 Instrument for Strengthening the Acid Deposition Monitoring Network in East Asia (EANET)

13. At the Twelfth Session of the Intergovernmental Meeting (IG12), 7 participating countries, namely Cambodia, Japan, Mongolia, Myanmar, Philippines, Republic of Korea, and Thailand signed the Instrument for Strengthening the Acid Deposition Monitoring Network in East Asia (EANET) during the High Level Segment. Since then the Secretariat made a follow-up with the remaining countries on the signing of the Instrument. As of this date, there are 4 more participating countries, namely China, Lao PDR, Malaysia, and Vietnam signing the Instrument.
14. Although not all participating countries of the EANET signed the Instrument, the Instrument was operational since 1 January 2012 in accordance with the Decision 1/IG.12 which decided that “the Instrument will become operational on the date on which all participating countries have signed it, or on 1st January 2012, whichever is earlier”.
15. At the Thirteenth Session of the Intergovernmental Meeting (IG13) on the EANET held in Hanoi, Vietnam, on 30 November – 1 December 2011, the Session decided to issue a resolution to encourage the countries not yet able to sign the Instrument to do so as soon as possible and invited the countries that have not been able to sign the Instrument to continue participating in the EANET activities before they could sign through written communication with the Secretariat.
16. Consequently, the Secretariat communicated with the remaining two participating countries on 24 May 2012 to invite them to continue participating in the EANET activities before they could sign the Instrument by express their willingness through written communication with the Secretariat prior to the next IG scheduled to be in November of this year and to consider signing the Instrument as early as possible.
17. Russia sent an official letter on 26 July 2012 expressing its unconditional willingness to continue participating in the joint activities of the EANET and is making all possible efforts to ensure the promotion of the Instrument to be signed at the national level and will inform the EANET Secretariat on the reconciliation progress.
18. Indonesia sent an official letter on 7 August 2012 extending its government strong commitment to maintain firm interest to participate in the joint activities of the

EANET and is seeking necessary process for the possibility of signing the Instrument in due course.

III. IMPLEMENTED/IMPLEMENTING ACTIVITIES

III-1 Acid deposition monitoring including QA/QC activities

III-1-1 Development/review of guidelines, technical manuals

19. Technical Manual on Dry Deposition Flux Estimation (EANET/SAC 10/8/3/1), Technical Manual for Wet Deposition Monitoring in East Asia-2010 (EANET/SAC 10/8/4/1), and Technical Manual for Inland Aquatic Environment Monitoring in East Asia-2010 (EANET/SAC 10/8/5/1) were adopted at the IG12. These manuals were uploaded on the EANET website in August 2012, and will be printed and distributed to the relevant organizations soon.
20. Preparation of the Technical Manual for Air Concentration Monitoring was started at the First Meeting of the Expert Group on Preparation of the Technical Manual for Air Concentration Monitoring in August 2011 and the Second Meeting was held on 23-24 August 2012 in Niigata, Japan.

III-1-2 Implementation and coordination of QA/QC activities

[EANET Inter-laboratory Comparison Projects]

21. The NC published the Report of Interlaboratory Comparison Project 2010 (the 13th project on wet deposition, the 6th project on dry deposition (filter pack method), the 12th project on soil and the 11th project on inland aquatic environment), and distributed it to the participating laboratories in January 2012.
22. The NC distributed samples for 14th Inter-laboratory comparison project on wet deposition, the 7th project on dry deposition (filter pack method), the 13th project on soil and the 12th project on inland aquatic environment to the participating countries in October 2011. The result of the projects in 2011 will be discussed at this Senior Technical Managers' Meeting (STM) and the Next Session of the Scientific Advisory Committee (Next SAC) to be held in November 2012, and will be adopted.
23. The NC will distribute samples for the 15th Inter-laboratory comparison project on wet deposition, the 8th project on dry deposition (filter pack method), the 14th project on soil and the 13th project on inland aquatic environment to the participating countries in October 2012.

[Other Inter-laboratory Comparison Projects]

24. Several EANET laboratories in Japan, Philippines, Russia, Thailand and Vietnam also participated in the international inter-comparison 2011-2012 organized by the Convention on Long-range Transboundary Air Pollution (CLRTAP), the International Cooperative Programme on Assessment and Monitoring of Acidification in Rivers and Lakes (ICP-Waters), etc.

III-2 Compilation, verification, evaluation, storage & provision of data and relevant information

25. The NC published the Data Report 2010 in November 2011 and distributed it to the NFPs, National Centers, Scientific Advisory Committee (SAC) members and other relevant organizations in January 2012. Most of the participating countries have already submitted their 2011 monitoring data to the NC. The NC is in the process of checking and verifying the data.
26. In accordance with the Detailed Mechanism of Article 4 of the Procedures on Data and Information Disclosure for EANET, all the EANET monitoring data up to 2009 were disclosed outside of the EANET from January 2012. The raw data of 2010 will be disclosed in January 2013.
27. The Data Report 2011 will be discussed at this STM and the next SAC to be held in November 2012.

III-3 Enhancement of data analysis and assessment

[Drafting Committee (DC) for the Second Periodic Report on the State of Acid Deposition in East Asia (PRSAD2)]

28. The Second Meeting of the Drafting Committee (DC2) and the Second Lead Authors' Meeting (LAM2) for the PRSAD2 were held on 28-29 June 2011 in Pathumthani, Thailand. The DC2 meeting was attended by the DC members or their alternates from 13 participating countries. The DC2 discussed the draft contents of each chapter of the PRSAD2. The DC2 also discussed the future schedule. It was decided that Lead Authors shall submit the final draft of their responsible parts by 15 September 2011, and after submission of above draft report, the Lead Authors of the Chapter 7 and the Executive Summary shall prepare their respective documents.
29. The Third Meeting of the Drafting Committee (DC3) and the Third Lead Authors' Meeting (LAM3) were held in the evening of 13 October 2011 during the SAC11 to

reflect the comments by the SAC11 and clarify the further schedule. The draft schedule to develop the final draft of PRSAD2 was decided, and submitted to the SAC11.

III-4 EANET Meetings

III-4-1 Intergovernmental Meeting (IG)

30. The Intergovernmental Meeting on the EANET held its Thirteenth Session (IG13) in Hanoi, Vietnam on 30 November and 1 December 2011. Major discussions and consideration were made on the following issues,

- Consideration on the Draft Progress Report of EANET since the Twelfth Session of Intergovernmental Meeting (IG12) and the Draft Financial Report of the Secretariat and the Network Center (NC) in 2010;
- Consideration of the Report on the Outcomes of the Eleventh Session of the Scientific Advisory Committee (SAC11);
- Consideration on Review of Current Financial Modalities for Further Improvement on Transparency of EANET;
- Consideration on Expansion of Scope of EANET;
- Consideration on Nature of Involvement of the Participating Countries that are Unable to Sign the “Instrument for Strengthening the Acid Deposition Monitoring Network in East Asia (EANET)”;
- Consideration on the Draft Final Report on the Implementation of the Strategy on EANET Development (2006-2010);
- Consideration on the Draft Work Program and Budget of EANET in 2012; and
- Updates on Activities of Other International Programs on Acid Deposition and Transboundary Air Pollution;

31. The outcomes of the IG13 are reported in the document EANET/STM 2012/4/2 of this Agenda Item.

III-4-2 Scientific Advisory Committee (SAC)

32. The SAC11 was held on 12-14 October 2011 in Ho Chi Minh, Vietnam in order to discuss all of important technical and scientific issues of the EANET. Major decisions/discussions during SAC11 include the following:

- Review of the Report on the Progress of the EANET since the Tenth Session of the Scientific Advisory Committee (SAC10) and the Financial Report in 2010;
- Consideration on the Final Draft of the Second Periodic Report on the State of Acid Deposition in East Asia (PRSAD2);
- Review and adoption of the Data Report 2010 of the EANET;

- Review and adoption of the Report of the Inter-laboratory Comparison projects in 2010 and consideration of recommendations for the improvement of QA/QC activities;
 - Overview of the updated National Monitoring Plans of the participating countries;
 - Consideration on Review of Present Status of Air Pollution in East Asia including Ozone and PM;
 - Consideration of the Reports from the Chairpersons of the Task Forces and Expert Groups of the SAC;
 - Report from the Chairperson of the Task Force on Soil and Vegetation Monitoring;
 - Report from the Chairperson of the Expert Group on Preparation of Technical Manual for Air Concentration Monitoring;
 - Report from the Chairperson of the Task Force on Research Coordination
 - Consideration on the Final Report on the Implementation of the Strategy on EANET Development (2006-2010) (Draft);
 - Consideration of the Report on the EANET High Priority Research Projects;
 - Consideration of the Relevant Scientific Activities of the EANET;
 - Consideration on the Procedure for PRSAD2 based on the Third Meeting of the Drafting Committee (DC3);
 - Consideration of the Work Program and Budget of the EANET in 2012 from the scientific and technical viewpoints; and
 - Updates on the activities of other regional and international initiatives on the acid deposition and transboundary air pollution.
33. The outcomes of the SAC11 are reported in the document EANET/STM 13/4/2 of this Agenda Item.

III-4-3 Working Group on Future Development of EANET (WGFD)

34. The Eleventh Session of the WGFD (WGFD11) was held in Chonburi, Thailand on 7-8 August 2012 and discussed the following issues,
- Review on the Draft Report on the Progress of the EANET since the Tenth Session of the WGFD (WGFD10) and the Draft Financial Report of the Secretariat and the NC in 2011;
 - Review on the Draft Report on the Review of the Performance of the Secretariat and the NC (2010-2011);
 - Consideration on the Revised Draft Guidelines on Administrative and Financial Management for the Secretariat and the NC;
 - Review on the Implementation of the Instrument for Strengthening the EANET;
 - Consideration on the Future Development of the EANET; and
 - Review on the Draft Work Program and Budget of the EANET in 2013.

35. The outcomes of the WGFD11 are reported in the document EANET/STM 13/4/2 of this Agenda Item.

III-4-4 Task Forces and Expert Groups established under the SAC

36. The NC has continued its tasks as the secretariat of the Task Forces and Expert Groups (TFs/EGs) established under SAC. The NC contacted the Chairpersons of the TFs/EGs to discuss on dates, agenda of the third meeting and also membership of TFs/EGs as appropriate. The latest Chairpersons and members of the TFs/EGs, and schedule of their meetings in 2012 are attached as Annex 2.
37. After the STM12, the following TFs/EGs meetings were held to discuss the important issues of each TF or EG in accordance with the TOR, future plan, and etc.
- (1) The First Meeting of the Expert Group on Preparation of the Technical Manual for Air Concentration Monitoring (EGACM) (11-12 August 2011, Niigata, Japan)
The meeting discussed the Table of Content of the draft Technical Manual including the authors of each chapter, future plan of the activities and so on.
 - (2) The Second Meeting of the EGACM was held on 23-24 August 2012 in Niigata, Japan The meeting discussed draft contents of the Technical Manual, future schedule, and so on.
 - (3) Fourth Meeting of the Task Force on Research Coordination (TFRC) (11 October 2011, Ho Chi Minh, Vietnam)
Review of the status of air pollution in East Asia was discussed. Reports of the Research Fellowship in 2010, current research projects of the NC, and future research areas of the EANET, and etc. were also discussed.
38. Based on the discussion at the IG13, the TFRC is preparing the “Review of the Status of Air Pollution in East Asia”. The TFRC intends to establish the Reviewing Committee that consists of several experts on atmospheric environment. The review will be made by the Committee first.

III-4-5 Publication of Proceedings, Summaries of the EANET Meetings

39. After STM12, publications of proceedings and summaries of the following meetings were completed and distributed to the participating countries and participants of the Sessions:
- The Thirteenth Session of the Intergovernmental Meeting (IG13)
 - The Eleventh Session of the Scientific Advisory Committee (SAC11)
 - The Tenth Working Group on Future Development of the EANET (WGFD10)
 - The Twelfth Senior Technical Managers’ Meeting (STM12)

III-5 Communication with participating countries, etc.

40. The Secretariat received communications from some the NFPs regarding a few changes on institutional bodies of the EANET in their respective countries, e.g. NFPs, SAC members, etc. from time to time and circulated this information to all concerned. In April 2012, the Secretariat circulated the request to the NFPs on the updates of the NFPs, the National Centers, the SAC Members, and the QA/QC Managers after the Instrument becomes operational.
41. The Secretariat and the NC maintained close communication with the participating countries in all related activities of the EANET as well as relevant international organizations such as the United Nations Economic Commission for Europe (UNECE).
42. The NC also communicated with participating countries regarding scientific and technical issues to improve monitoring and assessment of acid deposition in the region.

III-6 Technical support and capacity building activities

III-6-1 EANET training

[EANET Individual Training at the NC]

43. One trainee each from Lao PDR and the Philippines participated in the EANET individual training course at the NC from 30 January through 17 February 2012. They received training on wet deposition, dry deposition, soil/vegetation and inland aquatic environment monitoring, and data management.

[JICA Country Focused Training Course]

44. The JICA Country Focused Training Course on Capacity Building on Acid Deposition and Impact Assessment Analysis was held on 5-16 March 2012 in Tokyo, Niigata, etc. Technical staff from the Pollution Control Department (PCD), the Royal Forest Department (RFD), the Meteorological Department (MD), Thailand, etc. attended.

[Questionnaire Survey for Training Activities in 2011]

45. In June 2012, the NC implemented the annual questionnaire survey on training activities in 2011 carried out by the participating countries. The information gathered from the questionnaire on training requirements and suggestions on new training areas are useful for planning of the future training activities of the EANET Nine countries replied their national training activities in 2011. The results including the requests from the participating countries were summarized as Annex 3.

[Modeling and Emission Inventory Training Workshop]

46. The Modeling and Emission Inventory Training Workshop” was held from 30 January to 3 February 2012 at the NC in Niigata, Japan. The objectives of this workshop were to learn the basic knowledge and fundamental skill to use the long-range chemical transport model and develop the emission inventory of air pollutants. Particularly, the lectures in the first two days were focused on the policy application of the atmospheric modeling. Around 20 participants from 11 EANET participating countries attended the training workshop.

III-6-2 Support to participating countries

[Dispatch of technical missions]

47. After the STM12, the NC dispatched technical missions to Lao PDR (September 2011), Cambodia (October 2011), Myanmar (November 2011), Indonesia (February 2012), Lao PDR (May 2012), Myanmar (May 2012) and Philippines (July 2012) to exchange information, provide technical advice and assess the suitability of proposed EANET monitoring sites. The mission members also checked the condition of the instruments provided to countries. The summary of the technical missions of the NC to the participating countries after the STM12 is attached as Annex 4.

[Technical support for the participating countries]

48. The NC provided assistance to Cambodia, Indonesia, China, Lao PDR, Malaysia, Mongolia, Myanmar, Philippines, Russia and Vietnam in 2011 and/or 2012 for their monitoring activities.

III-7 Research activities

49. The research activities of EANET are important to evaluate the environmental impacts of acid deposition on the region’s diverse ecosystem, to improve the monitoring methodologies, and develop analytical methods suitable for East Asia. NC performed research activities with consideration of the regional characteristics.

III-7-1 EANET Research Fellowship Program

50. In July 2011, the NC sent a letter to the NFPs and the SAC members inviting applicants for the research fellowship in 2011. The deadline of the application was 12 August 2011. In response to the invitation letter, the NC received 7 applications from 5 countries namely China, Indonesia, Malaysia, Mongolia and Thailand. Based on the

procedures of the fellowship research program, the Selection Committee of the NC considered the proposed research plans submitted by the applicants and decided to invite two researchers from China and Malaysia to conduct the researches in the ACAP for about two months. The research topic of the researcher from China was “Improvement of QA/QC Activities for Air Monitoring in China”, and the research topic of the researcher from Malaysia was “Effect of Simulated Acid Rain (SAR) on Leachate and Selected Chemical Characteristics on the Soil”. The fellowship research was carried out from the end of October to the end of December 2011. The study reports are expected to be submitted to the NC within a few months.

51. In June 2012, the NC sent a letter to NFPs and SAC members inviting applicants for the research fellowship in 2012. The deadline of the application was 6 July 2012. In response to the invitation letter, the NC received 7 applications from 7 countries namely Cambodia, China, Lao PDR, Mongolia Myanmar, Russia and Thailand. The Selection Committee of the NC considered the proposed research plans submitted by the applicants and decided to invite two researchers from China and Thailand to conduct the researches in the ACAP for about two months.

III-7-2 EANET high priority research projects

52. In cooperation with the participating countries, the NC has implemented the EANET high priority research projects with the leaders of the projects. The progress of the following two projects was reported at the SAC11.

- (1) Aerosol Deposition Studies in Forests for Improvement of Estimation Method for Dry Deposition in Thailand
- (2) Feasibility Study on Low Cost Methodologies for Monitoring Air Concentrations with Thailand, China and Russia

III-7-3 Joint research project on catchment analysis with Thailand, Malaysia and Japan

53. Catchment analysis is one of the issues described in the Strategy Paper for Future Direction of Soil, Vegetation and related Ecosystems Monitoring of the EANET (2009-2014). The NC has carried out the Joint Research Project on the Catchment Analysis in Thailand with the Royal Forest Department (RFD) and the Environmental Research and Training Center (ERTC), in Malaysia with the Malaysian Meteorological Department (MMD), and in Japan with Niigata Prefecture and Niigata University. Part of the project was supported financially by the Environment Research and Technology Development Fund (ERTDF) of the Ministry of Environment (MOE), Japan until March 2011 which was the end of the Japanese fiscal year (JFY) of 2010. Although the financial support from ERTDF was ended, some parts of the project have been

implemented by the relevant organizations after April 2011.

III-7-4 Joint research project on comparison study for filter-pack method with R. of Korea

54. The project has been carried out with the aim of comparing the 3-stage filter pack method and the 4-stage filter pack method in the Republic of Korea and Japan, etc. Intensive monitoring was conducted in October 2011 and April 2012. After sample analysis and compiling the data, the data will be exchanged between the National Institute of Environmental Research (NIER), Republic of Korea and the NC in line with the agreement. Subsequently, monitoring results will be discussed.

III-7-5 International Workshop on Atmospheric Modeling Research in East Asia

55. The Third International Workshop on Atmospheric Modeling Research in East Asia was held on 24-25 September 2011 in Chengdu, China based on the outcomes at the Model Inter-Comparison Study (MICS) workshops. After the reviewing of the recent observation and modeling researches in East Asia, the research plan on MICS-Asia, Phase 3 activities were developed: (i) Multi-scale integrated models of global, regional and urban scales, and model inter-comparison, source/receptor analysis, and collaboration among MICS-Asia activity members, (ii) Inter-comparison of emission inventories, (iii) Interaction between air quality and climate change in the view of the model inter-comparison.
56. A Meeting for MICS-Asia phase III work plans was held in July 2012 in Beijing, China. Leaders of each topic prepared the draft work plan based on the discussion. In this meeting, further details of work plans were discussed and fixed for the start of model simulations. Though the discussions, first work plans were basically fixed. Furthermore, in the general discussions, basic schedules of this fiscal year including candidate month (February 2013) and venue (Kunming, China) for the 4th workshop were determined.

III-8 Public awareness activities

III-8-1 National Public Awareness Workshop and Youth Workshop

57. In order to increase the national public awareness on the issue of acid deposition and the EANET, two National Public Awareness Workshops and Youth Workshop were held in the Philippines and Lao PDR. The participants from governmental agencies, international organizations, high schools, universities and educational institutes, and private sectors were invited. The national monitoring activities on acid deposition, the progress of the EANET, and future requirement for cooperation, among others, were discussed during the workshops.

III-8-2 The Tenth Workshop on Public Awareness for Acid Deposition Problems

58. The Tenth Workshop on Public Awareness for Acid Deposition Problems was held in Niigata, Japan, on 29 February and 1 March 2012, organized by the NC, in collaboration with the Niigata Prefectural Environment Conservation Corporation (NPECC), Japan.
59. The Workshop consisted of two sessions: The Special Session (The 1st Session), “Environmental Conference of School Children” was attended by approximately ninety school children and teachers from an elementary school of Indonesia and two elementary schools of Japan, and approximately fifty participants and observers from twelve participating countries. The Session was held in the morning and afternoon of 29 February 2012 at “Toki Messe” in Niigata, Japan. The 2nd Session “Promotion of Public Awareness on Acid Deposition Problems in East Asia” held at the ACAP on 1 March 2012 was attended by approximately forty participants and observers from the participating countries and resource persons.

III-8-3 Joint Project on the Environmental Study Activities

60. The NC undertook the joint project with Indonesia to support their environmental study activities on acid deposition in schools in 2011. The draft outline of the joint environment study project was explained and confirmed with the committee of Indonesia. The model lecture/experiments were implemented as the first step of the program in the selected elementary school such as the conception of the circulation of water and pH, creating the acid rain, etc.

III-8-4 Dissemination of Information through EANET Website

61. New information has been uploaded on the EANET website such as publication (e.g. the Second Report for Policy Makers, Fact Sheets, Data Report 2010 and Inter-laboratory comparison projects 2010), EANET Newsletter (Vol. 9 and 10), EANET Science Bulletin (Vol. 2), EANET meeting reports, monitoring site information, and so on.
62. The new EANET brochure was published in March 2011, which contains the latest development and progress of the EANET. Copies were distributed to all NFPs and others. It was also published in the website of the EANET.
63. The NC also made some minor improvements to the e-Learning program on acid deposition problems for environmental education.
64. Based on the discussion at the WGFD10, the SAC11 and the suggestion from the IG13,

“Criteria for uploading EANET documents” to the website were drafted as a part of the “Revised Draft Guideline on Administrative and Financial Management for the Secretariat and the Network Center”. Revised draft guideline was discussed at the WGFD11 held in August 2012 in Chonburi, Thailand.

III-8-5 Publication of newsletter

65. The EANET Newsletter, dated Mid 2011 (Volume 10) and December 2011 (Volume 11) were published by the Secretariat in collaboration with the NC.

III-9 International cooperation

III-9-1 Long-Range Transboundary Air Pollutants in Northeast Asia (LTP)

66. The NC has been participating in the International Joint Research of LTP between the Republic of Korea, China, and Japan. The NC representatives attended the 14th Expert Meeting for Long-range Transboundary Air Pollutants in Northeast Asia, organized by the NIER, Republic of Korea, and held in Pyeongchang, Republic of Korea on 8-10 November 2011. The reports on monitoring and modeling activities in each country were presented by the experts of three countries. Achievements of the LTP project and the activities in 2011 were reported. In order to discuss the activities in the Phase IV, a Task Force was established. Administrative staff and scientists from three countries were nominated as the members of the Task Force.

III-9-2 CLRTAP Meeting

67. The NC attended the 29th Session on the Executive Body for the Convention on Long-range Transboundary Air Pollution (EB-CLRTAP) held on 12-16 December 2011 in Geneva, Switzerland and exchanged information and views on transboundary air pollution issues. Revision of Annex II (Emission ceilings and emission reduction obligations for 2020 and beyond) and so on were discussed at the Session.

Annex 1

Table 1 - Voluntary Financial Contributions from the Participating Countries to the Secretariat in 2011 and 2012 (As of 20 August 2012) (US\$)

Countries	Amount in 2011		Amount in 2012	
	Expected	Actual	Expected	Actual
Cambodia	71.00	71.00	66.30	---
China	73,942.00	15,000.00	69,027.00	---
Indonesia	5,519.00	---	5,152.70	---
Japan	290,526.00	290,526.00	271,216.00	---
Lao PDR	(24) 50.00*	---	(22) 50.00	50.00
Malaysia	5,865.00	5,839.00	5,475.00	---
Mongolia	(47) 50.00*	50.00	(44.2) 50.00	50.00
Myanmar	137.00	---	128.00	---
Philippines	2,088.00	---	1,949.00	---
R.O. Korea	52,403.00	52,403.00	48,920.00	48,920.00
Russia	37,146.00	---	34,677.00	---
Thailand	4,843.00	4,843.00	4,520.80	4,520.80
Vietnam	767.004	427.21	716.00	---
Total Contribution	473,407.00	369,159.21	441,914.00**	53,540.80

* Lao PDR and Mongolia are expected to make a minimum contribution of US\$ 50.00 based on the IG9 decision. (Ref. EANET/IG 9/7.rev1 Revised Procedures and Guidelines for Voluntary Financial Contributions to EANET).

** The amount of contributions excludes the budget item on Public Awareness to be supported from account of Savings of the Secretariat for an amount of US\$50,000.00.

Table 2 – Voluntary Financial Contributions from the Participating Countries to the NC in 2011/2012 (As of 20 August 2012) (US\$)

Countries	Amount in 2011		Amount in 2012	
	Expected	Actual	Expected	Actual*
Cambodia	59	56	59	59
China	61,855		61,855	
Indonesia	4,617		4,617	
Japan	556,037	624,512	525,037	187,448
Lao PDR	20*		20*	50
Malaysia	4,907		4,907	
Mongolia	40*	47.5**	40*	47.5**
Myanmar	115		115	
Philippines	1,746		1,746	
R. of Korea	43,837		43,837	
Russia	31,074		31,074	
Thailand	4,051	4,051	4,051	4,051
Vietnam	642		642	1,450
Total	709,000	628,666.5	678,000	193,105.5

* Lao PDR and Mongolia are expected to make a minimum contribution of US\$ 50.00 based on the IG9 decision. (Ref. EANET/IG 9/7.rev1 Revised Procedures and Guidelines for Voluntary Financial Contributions to EANET).

** These figures are after deduction of the overhead.

Annex 2

Members of Task Forces and Expert Groups under SAC and Meeting Plan in 2012

Name	Members	Meeting plan in 2012
Task Force on Monitoring for Dry Deposition	<p>Dr. Cho Seog-Yeon (R. of Korea) - Chairperson Mr. Chhek Roth/ Mr. Kong Savuth (Cambodia) Dr. Li Jianjun (China) Ms. Rina Aprishanty (Indonesia) Dr. Shiro Hatakeyama (Japan) Ms. Setouvanh Phanthavongsa (Lao PDR) Ms. Maznorizan Mohamad (Malaysia) Ms. B. Altantuya (Mongolia) Ms. Htwe Htwe Win (Myanmar) Engr. Jean N. Rosete (Philippines) Dr. Chang Lim-Seok (Republic of Korea) Dr. Tamara V. Khodzher (Russia) Dr. Pojanie Khummongkol (Thailand) Dr. Duong Hong Son (Vietnam)</p>	-
Task Force on Soil and Vegetation Monitoring	<p>Dr. Wilfredo M. Carandang (Philippines) - Chairperson Mr. Haijiang Liu (China) Dr. Masamichi Takahashi (Japan) Dr. Nik Abdul Majid/Dr. Ahmad Makmum Abdullah (Malaysia) Dr. Apolonio M. Ocampo (Philippines) Dr. Kim Hye-Jin (Republic of Korea) Dr. Tatiana A. Mikhailova (Russia) Mr. Bopit Kietvuttinon (Thailand) Dr. Hiroyuki Sase (ACAP)</p>	-
Task Force on Monitoring Instrumentation	<p>Prof. Wang Ruibin (China) - Chairperson Mr. Chhek Roth (Cambodia) Mr. Zheng Haohao (China) Ms. Novy Farhani (Indonesia) Dr. Tsuyoshi Ohizumi (Japan) Ms. Setouvanh Phanthavongsa (Lao PDR) Ms. Siniarovina Urban (Malaysia) Mr. Barkhasragchaa Baldorj (Mongolia) Ms. Htwe Htwe Win (Myanmar) Engr. Arturo Bongco /Engr. Robert Co (Philippines) Dr. Ahn Joon-Young (Republic of Korea) Dr. Sergey Paramonov (Russia) Ms. Wassana Toruksa (Thailand) Mr. Tran Son (Vietnam)</p>	-

Name	Members	Meeting plan in 2012
Task Force on Research Coordination	Dr. Sergey Gromov (Russia) - Chairperson Prof. Wang Ruibin (China) Dr. Hiroshi Hara (Japan) Prof. Katsunori Suzuki (Japan) Dr. Elizabeth Phillip (Malaysia) Dr. Cho Seog-Yeon (R. of Korea) Dr. Wilfredo M. Carandang (Philippines) Dr. Tamara Khodzher (Russia) Dr. Pojanie Khummongkol (Thailand) Dr. Duong Hong Son (Vietnam) Dr. Hajime Akimoto (ACAP)	November 2012 in Myanmar (back to back with SAC12)
Expert Group on Dry Deposition Flux Estimation	Dr. Pojanie Khummongkol (Thailand) - Chairperson Dr. Kazuhide Matsuda (Japan) Dr. Kentaro Hayashi (Japan) Dr. Akira Takahashi (Japan) Dr. Hiromasa Ueda (Japan) Dr. Chang Lim-Seok (R. of Korea)	-
Expert Group on Revision of Technical Manual on Wet Deposition Monitoring	Dr. Hiroshi Hara (Japan) - Chairperson Dr. Tsuyoshi Ohizumi (Japan) Mr. Izumi Noguchi (Japan) Ms. Leong Chow Peng (Malaysia) Ms. Bulgan Tumendemberel (Mongolia) Dr. Ahn Joon-Young (R. of Korea) Dr. Hathairatana Garivait (Thailand) Dr. Dave Mactavish (WMO/Canada)	-
Expert Group on Revision of Technical Manual on Inland Aquatic Environment Monitoring	Dr. Tamara Khodzher (Russia) - Chairperson Dr. Simon S. Brahmana (Indonesia) Dr. Senichi Ebise (Japan) Dr. Haruo Fukuhara (Japan) Dr. Vu Van Tuan (Vietnam) Prof. Seiichi Ohta (Japan) Prof. Tomonori Kawakami (Japan) Dr. Hiroyuki Sase (ACAP)	-
Expert Group on Preparation of Technical Manual for Air Concentration Monitoring	Dr. Duong Hong Son (Vietnam) – Chairperson Prof. Min Hu (China) Dr. Masahide Aikawa (Japan) Mr. Hajime Mikasa (Japan) Dr. Akinori Takami (Japan) Prof. Young Joon Kim (Republic of Korea) Mr. Phunsak Theramongkol (Thailand)	23-24 August 2012 in Niigata, Japan (2 nd Meeting)

Annex 3

National Training Activities in the Participating Countries of EANET in 2011

Country	Title of Training Course	Duration	No. of Participants	Major Topics
Cambodia	Measurement and analysis of atmospheric air pollution by passive method	16 November 2011 (1 day)	15	Method to prepare the passive sampler of NO _x and NO ₂ .
	Training workshop	1 day	15	Measurement and analysis of atmospheric air pollution
China	Training on acid deposition monitoring	7-8 November 2011	55	Acid deposition monitoring, QA/QC activities, data gathering and processing, acid deposition assessment.
Indonesia	Meeting	1 day	20	Evaluation on acid deposition monitoring data 2010
Japan	Training of atmospheric and traffic environment	27 Sep. 2011 - 30 Sep. 2011 (3 days)	98	Atmospheric and traffic environment
	Training of equipment operation	20 June 2011 - 1-July-11 (10 day(s))	43	Equipment operation training
	Training of atmospheric monitoring	28-Feb - 11-Mar(10days)	8	Sampling/analytical methods for atmospheric monitoring
	Audit (inspection and guidance) of national monitoring sites, including EANET monitoring sites	35 days	66	Site and laboratory audit

Country	Title of Training Course	Duration	No. of Participants	Major Topics
Lao PDR	None	-	-	-
Malaysia	Training course on Aspect of Air Pollution Observation	13-19 March 2011 (7 days)	30	Air pollution - Acid deposition - Instruments troubleshooting - Calibration - QA/QC - Aerosol monitoring
	The air pollution model (TAPM) training course	17-19 October 2011 (3 days)	13	Overview of Malaysian Haze Study & role of TAPM - Overview & conceptual introduction to meteorological & air dispersion component - Demonstration on TAPM - Hands-on TAPM - Technical basis for TAPM components & algorithm
	Training course for ion chromatography	12-13 April 2011 (2 days)	1	IC theory, maintenance, troubleshooting and software
Mongolia	Environmental monitoring and program, soil monitoring and database	18-28 April 2011 (10 days)	22	How to soil monitoring and database
	Environmental monitoring, water quality and air quality monitoring, QA/QC operation	2-13 May 2011 (10 days)	15	To develop QA/QC operation
	Seminar	2 days	30	Urban air pollution analysis for Ulaanbaatar
	Workshop	3 days	28	Improving air quality to reduce health impacts

Country	Title of Training Course	Duration	No. of Participants	Major Topics
Myanmar	Initial training for the implementation of dry deposition monitoring	9 -11 November 2011 (3 days)	14	<ul style="list-style-type: none"> - Methodologies for sampling and analysis of dry deposition monitoring Preparation of the filter packs and installation the instruments of filter packs, - QA/QC and data reporting, including check on condition of analytical instruments, Practice on sampling and analysis for dry deposition monitoring.
	World Meteorological Day	23 March 2012 (1 day)	150	National monitoring activities (Paper reading session)
	Dry deposition monitoring, sampling and analysis	9 November 2011 (1/2 day)	25	<ul style="list-style-type: none"> -To exchange views and information on the data quality on the acid deposition monitoring of EANET in Myanmar such as QA/QC activities, quality management, quality system and so on, - To information on including check on condition of analytical instruments - To discuss the maintenance of sampling instruments for dry deposition,

Country	Title of Training Course	Duration	No. of Participants	Major Topics
Philippines	Training on the audit of continuous monitoring equipment	3-4 March 2011 (2 days)	50	Audit for continuous monitoring equipment
	Training on the emission inventories spreadsheet using AP 42, CORIAIR	1-2 March 2011 (2days)	55	Inventory of stationary sources, mobile and area sources
	Data evaluation and assessment of real time monitoring data	5 March 2011 (1 day)	50	QA/QC of monitoring data
	Training course in DOAS continuous automatic monitoring station	11-15 Sep. 2011 (5 days)	15	Principles of measurement of ozone, sulfur dioxide, nitrogen dioxide, benzene, xylene, toluene and carbon monoxide. Meteorological equipment such as rain gauge, solar radiation, wind speed, wind direction
	Training course on data acquisition system for continuous automatic monitoring station	1-5 October 2011 (5 days)	15	Data processing and reporting for ozone, sulfur dioxide, nitrogen dioxide, carbon monoxide, BTX and remote diagnostics and trouble shooting
	Training on measurements of volatile organic compounds using photoionization detector and flame ionization detector (PID/FID)	22-23 Nov. 2011 (2 days)	50	Real time measurements of ammonia, hydrogen sulfide, formaldehyde, carbon tetrachloride , methane etc.
	2011 Inter-Comparison Exercises for DENR-EMB Laboratory Analysts	28 September - 6 October 2011 (8 days)	60	<ol style="list-style-type: none"> 1. Discussion on the implementation status/updates of the six environmental laws (such as the Philippine Clean Air Act, Clean Water Act, Environmental Education Act) being spearheaded by EMB-DENR; 2. Inter-comparison exercises on the analyses of parameters pH, BOD5, Chloride, COD, TSS, Oil & Grease and metals in water/wastewater, and ambient SO₂.

Country	Title of Training Course	Duration	No. of Participants	Major Topics
Philippines	Public Awareness Seminar on Acid Deposition in the Philippines	15 December 2011	80	<ol style="list-style-type: none"> 1. Overview of the acid deposition phenomenon and acid deposition monitoring in the Philippines and in East Asia; 2. Scientific and technical implementation and management of EANET; 3. Youth environmental programs; 4. Health impact assessment on air pollution; and 5. Government policies and initiatives to abate air pollution and acid deposition
	Lectures on governance and policies on air quality management	1 day	55	Air shed operations, planning and activities, local policies, establishment of oxygen correction factors, emission averaging and incinerator regulation
	Lectures on AUSPLUME dispersion modeling	1 day	45	Modeling for enhanced permitting and evaluation for environmental impact assessment
	Observation of the conduct of relative accuracy test audit for power plants using coal-fired, natural gas	2 days	5	CEMS checklist for audit, SO ₂ , NO ₂ , O ₂ , CO
	Lecture on the atmospheric chemistry in tropical countries	1 day	15	Ozone –aerosol chemistry, NCAR community Atmosphere model Chemistry , dust
	Discussions on the strengthening of Hydrometeorological Services in Southeast Asia	1 day	30	Country assessment report of existing hydrological and meteorological services for environmental services in air and water quality
R. of Korea				

Country	Title of Training Course	Duration	No. of Participants	Major Topics
Russia	Training on sampling and analysis method for wet and dry deposition monitoring	March (7 days)	11	Acid deposition monitoring; -Analysis of wet and dry deposition monitoring; - QA/QC activity; - Practice on sampling and analysis; - Using the high-performance liquid chromatography and ion chromatography for analysis of chemical compounds in precipitation and aerosol including procedures developed in the Limnological Institute
	Annual training course on the surface water analysis	3-13 Oct. 2011 (10 days)	14	Update of practical knowledge on QA/QC in surface water monitoring (sampling, analysis, data processing and reporting); In-situ intergroup and inter-laboratory comparison of analyses of major cations and anions in water samples taken from rivers and Lake Baikal
	Annual scientific meeting "Aerosols of Siberia"	19-23 Nov. 2011 (4 days)	84	Assessment of atmospheric pollution in Siberia and Russian Far East, atmospheric compounds including greenhouse gases, biological aerosol, natural emissions, mathematical modeling of the atmospheric transport and diffusion
	Workshop "Climate change induced extremes in Northern Asia"	7 days	87	Environmental and socio-economical consequences of climate change and related extremes

Country	Title of Training Course	Duration	No. of Participants	Major Topics
Thailand	Training on operation and maintenance of automatic air monitoring instrument	2 days	20	Theory and general information of instrument, operating and maintenance procedure of the instruments
	Capacity Building Workshop for Environmental Protection Volunteer for Air Quality Protection in Rayong Province	2 days	200	<ul style="list-style-type: none"> - General information of air pollution (pollutants, sources, mitigation measure and its effects) - What we can do for environment - State of air pollution in Rayong Province - Ambient air quality monitoring by automatic analyzer - QA/QC for air quality monitoring data - Experimental activities (pH measurement) - Declaration for Rayong environmental conservation - Site visit to ambient air quality monitoring station at Maptaput Medical Station
	Thai Environmental Study Activities Workshop	2 days	100	<ol style="list-style-type: none"> (1) Presentation on the outcomes from the environmental study (Wat Huaypong School, Wat Samaedam School) (2) Introduction of the environmental conservation activities in the elementary school in Bangkok and Rayong Province (3) Introduction of the public awareness activities of PCD on environmental conservation (4) Introduction of the environmental conservation activities in other country (demonstration of the storytelling with picture, electric generator by hand etc.) (5) Discussion

Country	Title of Training Course	Duration	No. of Participants	Major Topics
Vietnam	“Acid deposition monitoring and QA/QC in environmental monitoring” in Hanoi City	7 - 8 Oct. 2011 (2 days)	4	Introduction on acid deposition monitoring, EANET, wet deposition monitoring, dry deposition monitoring, inland aquatic environment, soil and vegetation; QA/QC in environmental monitoring
	“Acid deposition monitoring and QA/QC in environmental monitoring” in Ho Chi Minh City	11 -12 Nov. 2011	8	Introduction on acid deposition monitoring, EANET, wet deposition monitoring, dry deposition monitoring, inland aquatic environment, soil and vegetation; QA/QC in environmental monitoring

Training Requirements

Country	Requirements
Cambodia	Basic training on acid deposition monitoring
China	None
Indonesia	1. Basic training on acid deposition monitoring 2. Modeling and inventory for dispersion of pollutant gases that caused acid deposition 3. The calibration process for air pollution monitoring instrument
Japan	None
Lao PDR	
Malaysia	Basic Training on acid deposition monitoring Specific topics: 1. EANET individual training programme 2. Modeling training workshop 3. Data analysis and interpretation training 4. Training on chemical analysis and QA/QC activities for new technical staff
Mongolia	Basic training on acid deposition monitoring
Myanmar	(1) Basic training on acid deposition monitoring (2) Training on dry deposition monitoring (future plan) (The training will help to improve the national EANET activities.)
Philippines	Basic training on acid deposition monitoring for new monitoring station and specific topics
R. of Korea	
Russia	None
Thailand	Basic training on Acid Deposition Monitoring Specific topics: 1. Operating, QA/QC method and maintenance of automatic instrument (Ozone, PM10, SO ₂ , etc.) 2. Transboundary air pollution analysis 3. QA/QC program and necessary analytical techniques required to improve the quality and reliability of monitoring data 4. Modeling for air pollution
Vietnam	Basic training on acid deposition monitoring for new site and new laboratory Specific topics: Wet Deposition monitoring to improve the national EAENT activities

Suggestions in EANET Training Activities

1. Development of emission inventory, application of simulation models
2. We need basic training course on acid deposition monitoring because of new staffs.
3. Should be long term training because short term training is not enough to capture the course for our staffs and duration of Individual Training Course should be extended.
4. Wet deposition analysis, dry deposition analysis, -inland aquatic analysis & -QA/QC activities for EANET -
5. Should be hold short term training courses of acid deposition in Vietnam
6. To conduct some training of trainer (ToT) for acid deposition material in collaboration with universities and institutions that have the monitoring station
7. Data evaluation and assessment. From the data of ASEAN countries, identify the rainfall acidity data and collection of the meteorological data such as wind direction, temperature, wind speed atmospheric pressure, amount of precipitation to correlate and possible relationship between rainfall acidity and climatic conditions. Include local sources of pollution and long range transport of air pollutants.
8. Training on data assimilation
9. Training on the conduct of modeling validation for example actual monitoring using passive and active monitors/samplers
10. Training on the integration of EANET or aerosol data into a GIS program to perform a spatial analysis of the aerosol distributions

Annex 4

Summary of Technical Missions of the NC since STM12

Country	Duration	Major Activities/Outcomes of the Mission
Lao PDR	15-17 September 2011	The mission discussed all of necessary technical matters of the monitoring including suitability of siting for inland aquatic environment monitoring with the staff in charge, and checked condition of analytical instruments during the mission. The mission fixed the ion chromatograph for cation analysis by exchanging the suppressor and to optimize its operating condition. New high efficiency distilled water generator was installed with technical and financial support of the NC. The mission also visited Vientiane site and confirmed that the monitoring has being implemented without any serious problem.
Cambodia	16-19 Oct. 2011	The mission visited the wet and dry deposition monitoring site Phnom Penh located on the roof of MOE building and confirmed that the wet only sampler worked properly and the filter pack sampling system had also operated without any troubles. However, there is a problem that high concentration of ammonium has been detected due to exhaust gas from the building. The mission visited the laboratory and confirmed that almost all equipment for wet and dry monitoring sample analyses had been operated well. The mission also visited monitoring site of Siem Reap and confirmed that the wet only sampler worked properly.
Myanmar	8-11 Nov. 2011	The mission exchanged views and information on the data quality on the acid deposition monitoring of the EANET in Myanmar, such as QA/QC activities, quality management, quality system, etc. The mission also set up the sampling instruments for air concentration monitoring by filter-pack method and implemented initial training for the implementation of the dry deposition monitoring. The mission also set up the high efficiency distilled water generator in the laboratory.
Indonesia	13-17 Feb. 2012	The mission exchanged views and information on the data quality on the acid deposition monitoring of the EANET in Indonesia. The mission visited three monitoring sites in Indonesia (Jakarta, Serpong and Bandung), and confirmed that monitoring of these three sites were performed without any serious problems. The mission was requested to support installation of filter-pack kit to Jakarta and Bandung sites. The NC decided to support Indonesia to start filter-pack monitoring at the two sites.

Country	Duration	Major Activities/Outcomes of the Mission
Lao PDR	9-11 May 2012	The mission discussed all of necessary technical matters of the monitoring and checked condition of analytical instruments during the mission. The mission fixed the ion chromatograph for both cation and anion analysis. Broken part of the high efficiency distilled water generator was repaired. The mission also visited Vientiane site and confirmed that the monitoring has being implemented without any serious problem.
Myanmar	13-15 May 2012	The mission exchanged views and information on the implementation of soil-vegetation and inland aquatic environment monitoring of the EANET for considering the implementation of these monitoring activities in Myanmar. The mission also confirmed appropriate operation of the high efficiency distilled water generator in the laboratory.
Philippines	23-27 July 2012	The mission exchanged views and information on the data quality on acid deposition monitoring of the EAENT in the Philippines. The mission also visited three wet and dry deposition monitoring sites in the Philippines (Metro Manila, Los Banos and Mt. Sto. Tomas), and confirmed that parts of monitoring was not performed properly due to serious damages and/or troubles on sampling instruments. The mission was also informed that monitoring will be restarted soon after the instruments will be repaired by the Philippines.