

The Third Session of the Scientific Advisory Committee
on the Acid Deposition Monitoring Network in East Asia
24-26 November 2003, Pattaya, Thailand

Training Activities in the Participating Countries in 2002

I. INTRODUCTION

1. Based on the request at the Second Session of the Intergovernmental Meeting, the Network Center (NC) for the Acid Deposition Monitoring Network in East Asia (EANET) implemented a "Questionnaire Survey for Training/Capacity Building Needs" to develop the "Draft Training Programs for EANET in the Regular Phase". Taking account of the preparatory-phase activities of EANET and the result of the questionnaire survey, NC developed the "Draft Training Programs for EANET in the Regular Phase".

2. NC submitted document to the Third Session of the Intergovernmental Meeting for EANET, held on 19-20 November 2001 in Chiang Mai. The session endorsed the "Training Programs for EANET in the Regular Phase (EANET/IG 3/10/2)".

3. In line with the "Training Programs for EANET in the Regular Phase" and the "Work Program and Budget in 2003", NC implemented the "Questionnaire Survey for National Training Activities in 2002" in this summer. This report was developed to disseminate the result of this survey.

II. RESULTS OF QUESTIONNAIRE SURVEY FOR NATIONAL TRAINING IN 2002

4. The summary of the result of the "Questionnaire Survey for National Training in 2002" is attached as ANNEX in a view of summary table for all EANET countries. In 2002 national training/capacity building activities were carried out totally as thirty events such as national workshops, technical meetings and individual training, etc. in eleven participating countries. The countries implemented certain kinds of training/capacity building activities in line with their specific needs and under existing institutional framework.

5. The major topics of national training in 2002 were devoted to wet deposition monitoring (including sampling and analysis), dry deposition monitoring (including air quality monitoring and analysis). Training on Soil and vegetation and inland aquatic environment monitoring (including sampling and analysis of inland water) were also implemented as well as data management and modeling. Based on the request from a

participating country, NC dispatched experts as lecturers. In-country workshops on public awareness for acid deposition problems were also held in some participating countries.

ANNEX

National Training Programs in 2002

Country Name	Title of Training course/ Meeting	Duration	No. of Participants	Major Topics
Cambodia	1 Training course on "Atmospheric Pollution and Acid Deposition, Their Effluence, and Related Countermeasure"	Mar. 17- 21, 2002 (5 days)	15	1.General aspect of deposition (wet and dry forms) and their impacts; 2.Wet deposition and available countermeasure; and 3.Some methodologies for monitoring of wet deposition.
	2 Internal Training Course on " Occurrence of Acid Deposition and Institutional Responses"	Aug. 8-9, 2002 (2 days)	9	1.General aspect of deposition (wet and dry forms) and their impacts; 2.Methodologies for monitoring and management of acid deposition; 3.Educational program; and 4. Institutional framework.
China	1 Training on SO ₂ and acid deposition monitoring	May13-24, 2002(10days)	55	1. Introduction of EANET 2. Method and technique of wet deposition monitoring; and 3.National policy on acid deposition control.
	2 Workshop on acid deposition monitoring in Changsha, Hunan province	Nov.4-11, 2002 (6 days)	65	1.Introduction of EANET; 2.Technique on Acid deposition monitoring; and 3.Introduction of Acid deposition pollution of Zhejiang and Hunan province.
	3 Training on acid deposition monitoring in Kunming, Yunnan province	Nov. 08, 2002 (1 day)	20	1.Introduction of EANET; 2.On-site guidance on analysis of sample; and 3.Exchange on acid deposition monitoring.
	4 Training on acid deposition monitoring in Dali, Yunnan province	Nov. 09, 2002 (1 day)	10	1.Introduction of EANET; 2.On-site guidance of analysis of sample; and 3.Exchange on acid deposition monitoring.

Country Name		Title of Training course/ Meeting	Duration	No. of Participants	Major Topics
Indonesia	1	Training of analysis method for participants members	Aug. 2, 2002 (1day)		Wet/Dry deposition, etc.
Japan	1	Training on Instrumental Analysis	Jan. 22-30, 2002 (12 days)	33	Ambient air and water analysis (Including practice on Atomic Absorption Spectrometry 3 hours, Ion-chromatography 3 hours).
	2	Meeting on National Acid Deposition Monitoring, JFY2001	Mar. 26, 2002 (4 hours)	96	1. Wet/Dry deposition monitoring; and 2. Arrangement for the long-range domestic monitoring plan in Japan.
	3	Training on Water Analysis	May 15-30 2002 (12 days)	47	Practices on water analysis (related to inland aquatic)
	4	Meeting on Survey and Research of Acid deposition	Sep. 10 2002 (3 hours)	115	1. Overview of acid deposition monitoring in Japan; 2. Progress on EANET activities; and 3. Some topics related to acid deposition monitoring by local governments.
	5	Training on Operation of Automatic Ambient Air Monitoring Instruments	Nov. 6-8, 2002 (3 days in Osaka) Nov. 20-22 2002 (3 days in Tokyo)	113	Gaseous concentration monitoring (related to dry deposition)
	6	Training on Air Analysis	Dec. 3-18 2002 (12 days)	19	Practices on water analysis
Lao P.D.R	-				
Malaysia	1	Meteorological Aspects of Air Pollution Course	Jul. 1-5, 2002 (5 days)	12	1. Quality procedures in wet and dry monitoring; and 2. Instrumentation maintenance and repairs.
	2	Half-Day Scientific Talk	Nov. 20, 2002 (1day)	40	Acid rain in Asia

Country Name	Title of Training course/ Meeting	Duration	No of Participants	Major Topics
Mongolia	1 Yearly seminar for environmental monitoring	Mar.20-24, 2002(5 days)	8	1.Environmental quality monitoring including acid deposition monitoring; and 2. QA/QC program.
	2 Individual training course	Apr.1-8, 2002 (6 days)	3	1.Wet & dry deposition; and 2.soil monitoring techniques: sampling, sample handling.
Philippines	1 EANET Public Awareness Workshop for Academe, GOs, Media, NGOs and Private Sector	Feb. 15, 2002 (1 day)	38	1.Acid Deposition Principles; 2.Acid Deposition Public Awareness Campaign Plan and Workshop Mechanisms; 3.Acid Deposition Brochure Overview.
	2 EANET Public Awareness Workshop for Educators	Feb.18, 2002 (1 day)	36	1.Acid Deposition Principles; and 2.Acid Deposition Brochure Overview.
	3 Training on Soil and Vegetation Sampling and Analysis	June4-7,2002 (4 days)	10	1. Soil Sampling; and 2.Soil Analysis.
	4 Acid Deposition Monitoring Network in East Asia (EANET) Planning Workshop	Sep.25-27 2002 (3 days)	20	1.Wet, dry and inland aquatic monitoring; 2.sampling and analysis; and 3.procedures for EANET activities.
R. of Korea	1 Air quality measurement	Mar.4-9,2002 (6 days)	28	Sampling and analysis of air pollutants and wet deposition.
Russia	1 Training course on the water analysis, Irkutsk	Feb. 4-19, 2002(15days)	40	Inter-laboratory comparison of analysis of main cations and anions in bottled deep water of Lake Baikal.
	2 Training on Instrumental Analysis, Irkutsk	Jun.8-15, 2002(7 days)	15	1.Practical course on Atomic Absorption Spectrometry Ion chromatography; and 2.Inter-laboratory control.

Country Name		Title of Training course/ Meeting	Duration	No. of Participants	Major Topics
Russia	3	Meeting on "Aerosols of Siberia", Tomsk	Nov. 25-30, 2002 (5days)	80	1.Air pollution of Siberia, greenhouse gases; 2.Biological aerosol; and 3.Processes of mathematical modeling in the atmosphere.
	4	8 Joint International Seminar on the Regional Deposition Processes in the Atmosphere (Irkutsk)	Dec.18-21, 2002(4 days)	35	1.Air pollution; 2.Wet and dry deposition; 3.Transportation of pollution by air mass in Asia, on the local (regional) and global levels; and 4.Mathematical modeling.
Thailand	1	National Training on Acid Deposition Monitoring	Mar.11-14, 2002 (4days)	40	Wet and Dry deposition.
Viet Nam	1	Public awareness in Acid deposition experience and information	Jan. 15,2002 (1 day)	30	1.What is Acid deposition? 2.Why does Acid deposition is a serious environmental problem? 3.How does Acid deposition damage? 4.How does Acid deposition happen? 5.How to recognize Acid deposition? and 6.How to limit damage of Acid deposition?
	2	The meeting of National Acid deposition Advisory Committee on EANET activities	Nov.14,2002 (1 day)	15	Discussion "The National Project on reorganizing the activities of EANET in Vietnam".
	3	The meeting for the Dissemination of the Brochure on Acid deposition and introduce on Acid deposition	Dec.27,2002 (1 day)	60	1.What is Acid deposition? 2.Why does Acid deposition is a serious environmental problem? 3.How does Acid deposition damage? 4.How does Acid deposition happen? 5.How to recognize Acid deposition? and 6.How to limit damage of Acid deposition?