

Emission Inventory and Modeling for Acid Deposition Monitoring and Assessment



77

Programme	Annual International Training Course, Thai-Japanese Trilateral Cooperation
Course Title	Emission Inventory and Modeling for Acid Deposition Monitoring and Assessment
Duration	January 15 - February 2, 2007 *
Closing Date for Application	November 17, 2006
Number of Participants	24
Invited Countries	Cambodia, China, Indonesia, Lao PDR, Myanmar, Malaysia, Mongolia, The Philippines, Vietnam and Thailand *

* Subject to change by further notifications

Objectives

- have the potential in creating a common understanding on acid deposition problems in East Asia;
- have fully acquired the ability and skills to perform acid deposition monitoring in their respective countries;
- have fully acquired the ability and skills to perform emission inventories and modeling for acid deposition;
- be able to assist in formulating control strategies and national environmental matters and strengthen links between national and regional policies in environmental assessment.

Qualifications

Participants for this course should:

- be university graduate in sciences preferably: environment, chemistry, biology, environmental engineering and related field or to have the equivalent practical experience;
- be a mid-level technical officer or researcher with experience in laboratory analysis at least two (2) years and less than seven (7) years;
- be a technical officer or researcher involved in EANET activities at the national center or monitoring laboratory;
- be under forty (45) years of age;
- be proficient in spoken and written English;
- not serving in the military;
- have basic knowledge of computer usage;
- be in good health, both physically and mentally, to undergo the training and as the schedule of this training course includes a lot of field work (trips) that would be too demanding for pregnant women, pregnancy is regarded as a disqualifying condition for participation in the course.

Course Content

I. General information of acid deposition monitoring

- Acid Deposition Monitoring in East Asia (EANET)
- Air pollution related to acid deposition
- Introduction to acid deposition monitoring

II. Wet Deposition Monitoring

- Sampling methods
- Analytical methods
- Quality Assurance/Quality Control
- Data management for wet deposition monitoring



III. Soil and Vegetation monitoring

- Criteria for site selection
- Sampling and analysis methods

IV. Inland Aquatic Monitoring

- Criteria for site selection
- Sampling and analysis methods

V. Dry Deposition Monitoring

- Sampling method by filter pack
- Analytical methods
- Quality Assurance/Quality Control
- Method of calculation and data evaluation

VI. Discussion on acid deposition monitoring

VII. Field observation

Country Report



79

Before coming to Thailand participants should prepare a country report concerning air pollution problem from his/her respective country. Each participant should prepare a country report in two (2) formats. The first one will be in text not more than 10 pages of A4 format, typewritten in single space using Times Roman font 12 and 2.5 cm spaces for top, bottom left and right margins. The second format for the presentation will be in power point which may take about 10-20 minutes for each participant.

Institution

The course will be conducted by:

*The Environmental Research and Training Center (ERTC)
Department of Environmental Quality Promotion
Technopolis, Amphoe Klong 5,
Klong Luang, Pathumthani 12120
THAILAND
Tel.: (662) 577 4182-9
Fax.: (662) 577 1138
Website <http://www.ertcdeqp.go.th>*