

The Twentieth Senior Technical Manager's Meeting  
of the Acid Deposition Monitoring Network in East Asia  
4-5 September 2019, Kuala Lumpur, Malaysia

## **Report of the survey on training activities**

### **I. INTRODUCTION**

1. As informed in the Work Program and Budget in 2019 for the Acid Deposition Monitoring Network in East Asia (EANET), the Network Center for the EANET (NC) conducted a survey to obtain information on training needs in participating countries. The objectives of this survey are to use the results as references for future training programs of the EANET, and information for the Medium Term Plan (MTP) for the EANET (2021-2025).
2. This report presents the results of the survey to report at the Twentieth Senior Technical Managers' Meeting of the Acid Deposition Monitoring Network in East Asia (STM20), as well as the Nineteenth Session of the Scientific Advisory Committee (SAC19) in October and the Twenty-first Session of the Intergovernmental Meeting (IG21) on the EANET on November, 2019, and the comments in the questionnaire will be used for the improvement and future development of the training program of the EANET.

### **II. Results of the survey**

3. In June 2019, the NC implemented the Questionnaire Survey on Training Needs for activities of EANET from 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. The results including the requests from the participating countries are summarized as Annex.

## Results of Survey on Training Activities of EANET

### Question

**(1) What type of training is appropriate? (e.g. group training at the Network Center for EANET, on-site training in each participating country etc.)**

### Answer

- a. Group training is appropriate: 4 countries
- b. On-site training is appropriate: 1 country
- c. Both of group and on-site training is appropriate: 7 countries

The comments of countries of c. are as follows:

- I would like to suggest to be on-site training in each participating country but something should be group training (two persons in a country).
- Both group training at the Network Center for EANET and on-site training in laboratories of participating countries are necessary. On-site training in laboratories can train more technicians.
- Both are appropriate. Training at the Network Center gives an ideal picture of all processes, while on-site training suits the real situation in each participating country.
- Group training at ACAP Network Center for EANET (chemical analysis, data analysis) as well as on-site training in each participating country (sampling activities, equipment management).
- Group training at ACAP for laboratory analysis and other technical matters (field sampling activities), sharing of experiences and exchange of ideas on EANET activities in their respective countries for the improvement of implementation on EANET activities.
- On-site training is also good to develop better collaboration among those staff involved in acid deposition monitoring activities.
- Type of the training depends on the objectives and topic of the training, materials to be used and resources required for the training.

### Question

**(2) What subject of training is needed? (e.g. laboratory skill, data analysis, equipment management etc.)**

### Answer

- a. Laboratory skill is needed: 5 countries

- b. Data analysis (and interpretation) is needed: 10 countries
- c. Equipment management is needed: 4 countries
- d. Data quality inspection (QA/QC) is needed: 1 country
- d. Development of National monitoring plan is needed: 1 country
- e. Sampling activities is needed: 2 countries
- f. Monitoring site selection is needed: 1 country
- g. Monitoring of acid deposition, PM<sub>2.5</sub> / PM<sub>10</sub>: 1 country
- h. Ambient air data mapping: 1 country

### **Question**

**(3) Any suggestions, please.**

### **Answer**

- I would like to make training with my local real equipment not for your country as you have modern or new version equipment that feel comfortable than. In fact, EANET's equipment we stored some spare part have a problems that we need to repair and need your help about that.
- More training and field visits should be conducted for the new sites and new monitoring programs.
- The subjects of training that EANET have been provided were very useful for participants.
- It would be better to select the training participants based on their requirement or on specific subject.
- Most of the participants in the JICA-sponsored two-months annual training (1998-2007) have retired or no longer connected with EANET activities in our country. If this is so with other participating countries, I suggest that such training or similar training be implemented again.