

The Seventh Session of the Scientific Advisory Committee  
on Acid Deposition Monitoring Network in East Asia  
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## **Consideration on promotion of emission inventories**

### **1. Introduction**

In the Strategy on EANET Development (2006-2010), “Discussion on promotion of modeling activities and emission inventories” is put on as one of the activities to be undertaken under the category “Modeling activities and emission inventories”. The targets of this activity are described as follows:

- Clarification of future direction on modeling activities and emission inventories in EANET
- Clarification of necessary measures to implement modeling activities and to develop emission inventories

Emission inventories are now regarded widely as indispensable tools for a wide range of environmental measures such as the effective management of air quality. Emission inventory can be utilized for a better understanding of actual emissions and help to raise the awareness of both policy makers and the general public, input data for atmospheric transport and deposition modeling, setting emissions targets based on scientific and technical knowledge, a consideration of possible and cost-effective emission reduction measures including regulations, economic measures or technical measures, an evaluation of policies on air quality control measures in each country.

However, many countries in EANET have not developed a national emission inventory on air pollutants, so that such countries don't have sufficient understandings and experiences to create their national emission inventories. Therefore, it is needed to promote emission inventories in EANET due to obtain the benefits from emission inventories and to contribute to improve the air quality management in EANET countries. In order to promote emission inventories in EANET, it is useful to enhance the understanding on emission inventories by learning the knowledge and the experiences of existing emission inventories.

### **2. Consideration on promotion of emission inventories**

Regarding promotion of emission inventories, Ministry of the Environment of Japan has supported the Workshop on Emission Inventory, which was held back to back the seventh meeting of SAC, in order to provide the clear understanding on emission inventories.

As one of the priority projects for submission to potential funding agencies, “Pilot project on emission inventories for interested participating countries” in the document of “PRIORITY PROJECTS FOR SUBMISSION TO POTENTIAL FUNDING AGENCIES” (EANET/WGFD5/5) was considered at WGFD5 in last September, and it is expected to propose the project to potential funding agencies after the endorsement of the concept paper of the project by the NFPs.

It is important to continue to promote awareness on emission inventories and to consider an emission inventory which participating countries of EANET will be able to implement practically with understanding on the current situation of the capability to develop an emission inventory in each country. The consideration of promotion on emission inventories may require discussions of various issues including following items:

- Exchange of information on the current situation of the capability to compile an emission inventory in each country. The capability may include the availability of some statistical data for social and economic activities to estimate emissions such as the amount of each kind of fuel burning and the average distance of each type of vehicle traveled.
- The possible outline of emission inventory in EANET and the method to develop an emission inventory by each country, based on enough understanding on the current situation on EANET countries. It is also important to consider the actual utilization of emission inventory and needs of EANET countries.
- The further and appropriate measures to build the capacity to develop an emission inventory in each country.

This discussion will need wide knowledge concerning air pollution management and the various social and economic activities emitting air pollutants from various emission sources, because there are so many kind of activities emitting air pollutants and it is essential to get their detailed information such as their activities data and their emission factors. In order to discuss these issues, it is important that researchers and experts on emission inventories and air pollution management will participate in the discussion. Researchers on modeling will be also invited the discussion to extend the utilization of emission inventories.

Therefore, it is necessary to consider how the discussion of emission inventories will be carried on. The items to be discussed, participants in discussion and a place of the discussion should be made clear before beginning the discussion.

### **3. Action Required**

The session is invited to discuss to establish “**Ad Hoc Group on the promotion of modeling activities and emission inventories**”. The ad hoc group will be expected to discuss the future activities and its targets on promotion on emission inventories and an adequately form to continue the discussion on emission inventories for example an establishment of a taskforce.