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Acid Deposition Monitoring Network in East Asia  
24-25 August 2022, Virtual Meeting

The 6<sup>th</sup> meeting members, in November, prepared the final draft of the revised strategy paper (including specific works for the period from 2021 to 2025) and it will be submitted to SAC20 for adoption. The strategy paper suggested ecological-effect monitoring, including effects of air pollutants (such as ozone and PM), effects on inland water, and effects on forest catchments. Back-to-back with the meeting above, the workshop on regional impact assessment was held in cooperation with ICP Forests under CLRTAP and the knowledge on the emission reduction based on impact assessments in Europe and possible future assessments in East Asia were shared among the participants.

### **3. Task Force on Monitoring Instrumentation**

Chair: Not decided yet (after the previous Chair passed away)

Member: One expert nominated from each country (in total 14 members including the Chair)

TOR:

- ⑤ To review acid deposition monitoring instrumentation and laboratory equipment including their operation
- ⑥ To recommend suitable less expensive monitoring methodologies for EANET
- ⑦ To review current QA/QC procedures and recommend improvements
- ⑧ To develop monitoring manuals and guidelines in cooperation with other subsidiary groups under SAC

Recent activities:

The 2<sup>nd</sup> meeting participants, in 2009, discussed the outcomes from the low-cost monitoring methodology project, the current review of acid deposition monitoring, and subjects for future improvements. The meeting outcomes were reported at SAC9.

No further meeting was held since then.

### **4. Task Force on Research Coordination**

Chair: Dr. Sergey Gromov (IGCE, Russia)

Member: Experts from Japan, Malaysia, Philippines, Republic of Korea, Thailand, Russia, and Viet Nam (in total 10 members including the Chair)

TOR:

- ⑤ To propose the future directions of research activities for the network
- ⑥ To review the outcomes of EANET research activities
- ⑦ To review the reports of EANET Research Fellowship program
- ⑧ To identify potential international collaborative researches for EANET

The Working Group Meeting in 2022 (WG2022)  
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Recent activities:

The 8<sup>th</sup> meeting was held in 2016 and the participants discussed reports from EANET research fellows and EANET Science Bulletin (Vol. 4). The meeting outcomes were reported at SAC16.

### **Attachment 3 TOR for Task Force on Monitoring and Assessment of Atmospheric Environment**

#### **Task Force on Monitoring and Assessment of Atmospheric Environment**

Preliminary draft

#### **Terms of Reference (TOR)**

##### **Purpose**

The Task Force on Monitoring and Assessment of Atmospheric Environment (TFAE) will assist the SAC, IG and NC in the process of EANET activities related to scientific and technical issues deemed important for future development of the EANET designated by the Scientific Advisory Committee (SAC) of the Acid Deposition Monitoring Network in East Asia (EANET) and Intergovernmental Meeting (IG).

##### **Establishment of TFAE**

TFAE will be established based on the recommendation of the SAC and the approval of the IG. The Terms of Reference of the task forces (this file) regarding the establishment, the scope of activities and working procedures has been developed and may be updated from time to time based on guidance from the SAC.

##### **Scopes and Activities**

The SAC will decide on the scope of the activities of the task force. The activities shall be in line with the Medium-Term Plan (MTP) for the EANET/Strategy on the EANET Development.

- To discuss on the development and improvement of the atmospheric monitoring methods and QA/QC of atmospheric monitoring in EANET;

The Working Group Meeting in 2022 (WG2022)  
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24-25 August 2022, Virtual Meeting

- To provide recommendations on the atmospheric monitoring in line with the scope of EANET;
- To elaborate the appropriate atmospheric monitoring data evaluation methods (atmospheric deposition estimation, trend analysis, etc.) in line with the scope of EANET;
- To promote and review research activities on analysis and evaluation of atmospheric monitoring data, monitoring instrumentation and methodologies in the EANET region;
- To propose the future research direction of the EANET regarding atmospheric monitoring and evaluation.

### **Structure of TFAE**

TFAE consists of about 15 members from SAC members and other individual experts with the expertise of the assessment on atmospheric environment, as appropriate. At least one member will be from each EANET participating countries. TFAE will have one Chairperson and one Vice-Chairperson.

## **Attachment 4 TOR for Task Force on Monitoring and Assessment of Environmental Effects**

### **Task Force on Monitoring and Assessment of Environmental Effects**

Preliminary draft

#### **Terms of Reference (TOR)**

##### **Purpose**

The Task Force on Monitoring and Assessment of Environmental Effects (TFEE) will assist the SAC, IG and NC in the process of EANET activities related to scientific and technical issues deemed important for future development of the EANET designated by the Scientific Advisory Committee (SAC) of the Acid Deposition Monitoring Network in East Asia (EANET) and Intergovernmental Meeting (IG). In particular, TFEE will work on scientific and technical aspects for further development of monitoring, evaluation, and research on ecological impacts and human health risk.

##### **Establishment of TFEE**

TFEE will be established based on the recommendation of the SAC and the approval of the IG. The Terms of Reference of the task forces (this file) regarding the establishment, the scope of activities and working procedures has been developed and may be updated from time to time based on guidance from the SAC.

##### **Scopes and Activities**

The SAC will decide on the scope of the activities of the task force. The activities shall be in line with the Medium-Term Plan (MTP) for the EANET/Strategy on the EANET Development.

- To consider appropriate monitoring methods for assessing effects of the atmospheric environment on ecosystems for the EANET;
- To consider the atmospheric environment monitoring methods from ecological impact points of view as necessary;
- To promote and review research activities on ecological impacts to understand the conditions and mechanisms in the EANET region;
- To review research activities in the view point of methodology and promote the capacity building such as workshop/seminar of ecosystem impacts and human health;

- To propose the future direction of the EANET on environmental effects.

### **Structure of TFEE**

TFEE consists of about 15 members from SAC members and other individual experts with the expertise of assessments on ecological impacts and human health risk, as appropriate. In particular for human health risk, practical cooperation with World Health Organization (WHO) and relevant authorities in the Participating Countries will also be considered; e.g., holding a joint workshop, etc. TFEE will have one Chairperson and one Vice-Chairperson.

## **Attachment 5 TOR for Task Force on Atmospheric Environmental Management**

### **Task Force on Atmospheric Environmental Quality Management**

Preliminary draft

#### **Purpose**

The Task Force on Atmospheric Environmental Management (TFAEM) will assist the SAC, IG and NC in the process of EANET activities related to scientific and technical issues deemed important for future development of the EANET designated by the Scientific Advisory Committee (SAC) of the Acid Deposition Monitoring Network in East Asia (EANET) and Intergovernmental Meeting (IG).

#### **Establishment of TFAEM**

TFAEM will be established based on the recommendation of the SAC and the approval of the IG. The Terms of Reference of the task forces (this file) regarding the establishment, the scope of activities and working procedures has been developed and may be updated from time to time based on guidance from the SAC.

#### **Scopes and Activities**

The SAC will decide on the scope of the activities of the task force. The activities shall be in line with the Medium-Term Plan (MTP) for the EANET/Strategy on the EANET Development.

- To consider and recommend the methodology of application of emission inventory for air quality management in pilot cities as the first step; ~~as the first step~~;
- To consider and evaluate the future scenarios on acid deposition and air pollution based on outputs from other TFs;
- To review and consider the methodology of co-benefit/co-control approaches for abatement of air pollution and mitigation of climate change as a possible future scope of EANET;
- To consider the evaluation methods of policy effects on the atmospheric environment by using model simulation in East Asia; and
- To facilitate exchange of information, support pilot projects as well as clean air technology cooperation and transfer.

#### **Structure of TFAEM**

TFAEM consists of about 15 members from SAC members and other individual experts with the expertise on the assessment of emission inventory, co-benefit/co-control and policy evaluation, as appropriate. At least one member will be from each EANET participating countries. TFAEM will have one Chairperson and one Vice-Chairperson.