

The Twenty-fourth Session of the
Intergovernmental Meeting on the Acid Deposition Monitoring Network in East Asia
24-25 November 2022, Hybrid (on-site/online), Manila, Philippines

REVISION OF THE TASK FORCES OF THE EANET

I. INTRODUCTION

1. During the Medium-Term Plan for the Acid Deposition Monitoring Network in East Asia (MTP) (2016-2020), four Task Forces (TFs) and one Expert Groups (EGs) were established to support the EANET's monitoring activities. The TFs are: Task Force on Monitoring for Dry Deposition, Task Force on Soil & Vegetation Monitoring, Task Force on Monitoring Instrumentation, Task Force on Research Coordination. The EG is the Expert Group on revision of the Technical Manuals for Dry Deposition Flux Estimation and Air Concentration Monitoring. TFs support the implementation of specific objectives, such as to provide advice on future directions of monitoring and research activities, as well as to provide inputs for reporting outcomes to the Scientific Advisory Committee (SAC). The EGs are ad hoc groups that have been established to prepare or revise the EANET's Technical Manuals based on recommendations made by the TFs. EGs will be dismissed after completion of their tasks.
2. The Twenty-third Intergovernmental Meeting of EANET (IG 23) held in 2021 approved the revision of MTP for 2021-2125. In the revision of MTP for 2021-2025, it was mentioned that some of the activities carried out by the current Task Forces are inactive and would be streamlined. It is crucial to review the roles of the TFs in order to optimize their function and continuity. For example, the Task Force on Monitoring Instrumentation held its last meeting in 2009 to discuss the outcomes from the low-cost monitoring methodology project, the current review of acid deposition monitoring, and the subjects for future improvements. However, as of 2022, no further meeting was held, nor any activity was led by the Task force on Monitoring Instrumentation. Therefore, it is proposed in this document to revise the tasks of the TFs and EGs to further strengthen and optimize the role of these SAC subsidiary bodies. In this connection, the draft document on the reformation of TFs and EGs were submitted to SAC20 and IG22 in 2020, however, it was decided that the reformation of TFs and EGs should be discussed after decision of the expansion of scope of EANET.
3. Considering that the socio-economic development and changing atmospheric environmental problems of the participating countries in the EANET region, IG23 adopted the finalized text for Supplementary Document (Annex) to the Instrument for Strengthening EANET, which is upon the endorsement of Participating Countries in 2022 and will expand the scope of EANET. The expansion of scope of EANET greatly exceeds the scope of the current TF on Monitoring for Dry deposition, and relevant monitoring methods also go beyond the scope of the current TF on Monitoring Instrumentation for

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deposition monitoring. At the same time, because the expanded monitoring program are based on the wide consideration of human health and ecosystem considerations which represented by air quality standards and criteria, more impact on ecosystem and the implication for health should be considered. The current TF on Soil and Vegetation Monitoring should be expanded.

4. In the Revision of The Medium Term Plan for the EANET (2021-2025), core activities include development/revision of (technical) guidelines, technical manuals, and documents, development/update of strategy papers for guidance on the future direction of the monitoring, conducting an annual assessment of the state of acid deposition using trend analysis, numerical models, which required SAC to establish appropriate Task Forces for the relevant activities.
5. In line with the scope expansion of EANET and the activities assigned by MTP of 2021-2025, the role of TFs need to be adjusted accordingly. As such, the Secretariat for EANET (SEC) and the Network Center for EANET (NC) received Japan's request to adjust the Task Forces on 1 July 2022.
6. The first draft of the document of Revision of the Task Forces of the EANET (the document hereafter) was submitted and discussed at the Working Group Meeting (WG2022) of EANET on 24-25 August 2022. On the WG2022 further discussions and comments were made. SEC and NC revised the document based on the comments from WG2022 and submitted to the 22nd Session of the SAC (SAC22) on 18-20 October 2022. SAC22 reviewed and made further comments. SEC and NC updated the document considering all comments and suggestions for submission to IG24.
7. The document presents the proposed revisions of the Task Forces of the EANET with the recent changes addressing the SAC comments in red text.

II. ACTIONS REQUIRED

The IG24 is invited to review the document of Revision of the Task Forces of the EANET, consider and approve the re-organization of the Task Forces as appropriate.

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PROPOSAL FOR THE REVISION OF TASK FORCES AND EXPERT GROUPS OF EANET

1. Taking into account the activities in the previous MTP (2016-2020) and in the current MTP (2021-2025), the revision of the TFs is proposed as follows. The relationship between Scientific Advisory Committee (SAC) and TF is also shown in the below Table.

CURRENT TASK FORCES OF THE EANET		
The Previous MTP (2016-2020)	Terms of Reference (TOR) of Current TFs	Activities and Outcomes
Task Force on Monitoring for Dry Deposition	<ul style="list-style-type: none"> ① To further develop and elaborate the strategy for dry deposition evaluation in the region ② To discuss future directions of dry deposition evaluation and provide guidance on relevant activities based on the strategy ③ To develop the Technical Manuals for Air Concentration Monitoring and Dry Deposition Flux Estimation 	<ul style="list-style-type: none"> • In 2015, a dry deposition monitoring strategy paper (2016-2020) was prepared and an Expert Group was proposed to suggest to SAC15 the revision of the Air Concentration Monitoring Technical Manual and Dry Deposition Estimation Technical Manual. • The 5th meeting was held in July 2020 to discuss the dry deposition monitoring strategy paper (2021-2025). The final draft of the strategy paper was submitted and adopted at SAC20 in 2020.
Task Force on Soil & Vegetation Monitoring	<ul style="list-style-type: none"> ① To revise the technical documents on soil and vegetation monitoring as necessary ② To assess the impacts of acid deposition and relevant air pollutants on soil and vegetation based on available data and other information for the EANET periodic reports ③ To improve methodologies mentioned in the Technical Manual for Soil and Vegetation Monitoring and the Sub-Manual on Forest Vegetation Monitoring for EANET ④ To recommend activities for future directions of soil, vegetation and related ecosystems monitoring ⑤ To develop guidelines and methods for future monitoring 	<ul style="list-style-type: none"> • The 6th 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.

	⑥ To identify future research activities for soil and vegetation	
Task Force on Monitoring Instrumentation	<ul style="list-style-type: none"> ① To review acid deposition monitoring instrumentation and laboratory equipment including their operation ② To recommend suitable less expensive monitoring methodologies for EANET ③ To review current QA/QC procedures and recommend improvements ④ To develop monitoring manuals and guidelines in cooperation with other subsidiary groups under SAC 	The 2 nd 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.
Task Force on Research Coordination	<ul style="list-style-type: none"> ① To propose the future directions of research activities for the network ② To review the outcomes of EANET research activities ③ To review the reports of EANET Research Fellowship program ④ To identify potential international collaborative researches for EANET 	The 8th 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.

REVISION OF TASK FORCES OF THE EANET		
The current MTP (2021-2025)	Terms of Reference (TOR) of TF in the next MTP (2021-2025)	Activities and Outcomes
<p>Some of the activities that were implemented in the previous MTP (2016-2020), including some of the activities carried out by the Task Forces, which were established with the approval of the IG, that are inactive, would be streamlined. In addition, the activities that are of low priority or less urgency will be reviewed based on the needs of the Participating Countries and according to scientific viewpoints.”</p> <p>MTP Annex 1: Core Activities of the MTP for the EANET (2021-2025)</p> <p>1. Monitoring of acid deposition</p>	<p>Task Force on Monitoring and Assessment of Atmospheric Environment</p> <p>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).</p>	<ul style="list-style-type: none"> ● To discuss on the development and improvement of the atmospheric monitoring methods and QA/QC of atmospheric monitoring in <u>the scope of</u> EANET; ● To provide recommendations on the atmospheric monitoring in line with the scope of EANET; ● To elaborate the appropriate atmospheric <u>EANET</u> monitoring <u>sites</u> data evaluation methods (atmospheric deposition estimation, trend analysis, etc.) in <u>line with</u> the scope of EANET; ● To promote and review research activities on analysis and evaluation of atmospheric monitoring data <u>of EANET sites</u>, monitoring instrumentation and <u>monitoring</u> methodologies in the EANET region; ● To propose <u>provide recommendation on</u> the future research direction of the EANET regarding atmospheric monitoring and evaluation <u>in the scope of EANET</u>.
	<p>Task Force on Monitoring and Assessment of Environmental Effects</p>	<ul style="list-style-type: none"> ● <u>To discuss the monitoring methods for assessment methodology of ecological impact of atmospheric environment as necessary in the scope of the EANET;</u> ● <u>To consider appropriate monitoring methods for assessing effects of the atmospheric environment on ecosystems for the EANET;</u>

REVISION OF TASK FORCES OF THE EANET		
The current MTP (2021-2025)	Terms of Reference (TOR) of TF in the next MTP (2021-2025)	Activities and Outcomes
<p>(acidifying species and related chemical substances such as ozone and PM) including an increase of EANET monitoring sites, improvement in monitoring methodologies and better instrument maintenance</p> <p>2. Development/revision of (technical) guidelines, technical manuals, and documents, as necessary</p> <p>3. Development/update of strategy papers for guidance on the future direction of the monitoring, as necessary</p> <p>6. Conduct an annual assessment of the state of acid deposition using trend analysis, numerical models</p> <p>12. Consideration on future development of the EANET</p>	<p>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).</p>	<ul style="list-style-type: none"> ● To consider the atmospheric environment monitoring methods from ecological and health impact points of view as necessary; ● To promote and review research activities on ecological impacts to understand the conditions and mechanisms in the scope of the EANET region; ● To review research activities in the view point of methodology and promote the capacity building such as workshop/seminar of ecosystem impact and human health; ● To propose provide recommendation on the future direction of the EANET on environmental effects.
	<p>Task Force on Atmospheric Environmental Quality Management</p> <p>The Task Force on Atmospheric Environmental Management (TFAEM) will assist the SAC, IG and NC in the process of</p>	<ul style="list-style-type: none"> ● To consider and recommend the methodology of application of emission inventory and model simulation for air quality management in pilot cities in the scope of the EANET as the first step; ● To discuss on the suggestions of future atmospheric environmental management consider and evaluate the future scenarios on acid deposition and air pollution based on outputs from other TFs of the EANET;

REVISION OF TASK FORCES OF THE EANET		
The current MTP (2021-2025)	Terms of Reference (TOR) of TF in the next MTP (2021-2025)	Activities and Outcomes
<p>15. Review of the MTP (2016-2020), revision of the MTP(2021-2025) if necessary, and development of the next MTP for the EANET (2026-2030)</p> <p>16. Sharing a common understanding on atmospheric environment issues among the scientific community</p>	<p>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).</p>	<ul style="list-style-type: none"> ● To review and consider the methodology of co-benefit/co-control approaches for <u>air environment and climate change abatement of air pollution and mitigation of climate change as a possible future scope of EANET</u>; ● To consider the evaluation methods of policy effects on the atmospheric environment in <u>the EANET East Asia</u>. ● To facilitate exchange of information, support pilot projects as well as clean air technology cooperation and transfer. ● <u>To summarize and share the experience of air quality control policies among EANET participating countries.</u>

Inter-linkages Between the Task Forces and Expert Groups

Current TFs

Scientific Advisory Committee (SAC)

① Task Force on
Monitoring for Dry
Deposition

② Task Force on Soil
& Vegetation Monitoring

③ Task Force on
Monitoring
Instrumentation

④ Task Force on
Research
Coordination

Expert Group on revision of the Technical Manuals for Dry
Deposition Flux Estimation and Air Concentration

Proposed TFs

Scientific Advisory Committee (SAC)

Task Force on Monitoring and
Assessment of Atmospheric
Environment (Including task of ①③④)

Task Force on Monitoring and
Assessment of Environmental
Effects (Including task of ②④)

Task Force on Atmospheric
Environmental **Quality** Management
(Including task of ④)

Expert Group on revision of the Technical Manuals for Dry
Deposition Flux Estimation and Air Concentration

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Interlinkage between Current Task Forces and Activities of previous MTP

[Current TFs]

Activity of MTP 2016-2020	Task Force on Monitoring for Dry Deposition	Task Force on Soil & Vegetation Monitoring	Task Force on Monitoring Instrumentation	Task Force on Research Coordination
(1) Continuation of monitoring of all EANET monitoring items, improvement in monitoring methodologies and better instrument maintenance	✓	✓	✓	
(2) Continuation of activities to improve the current methods used to measure air concentrations and estimate dry deposition	✓		✓	
(3) Development/revision of guidelines, technical manuals and documents, as necessary	✓	✓	✓	
(4) Development/update of strategy papers for guidance on future direction of EANET monitoring, as necessary	✓	✓		
(10) Promotion of technical support to participating countries by provision of advice, technical information and equipment to countries	✓	✓	✓	
(11) Promotion of the monitoring of ozone and PM2.5 including research cooperation and communication on the results as appropriate	✓			✓
(16) Promotion of research and technical cooperation on emission inventory to support the capacity building				✓
(17) Promotion of research activities				✓
(18) Promotion of studies on applicable measurement methodologies (other than EC and OC) and on satellite monitoring for concentration of air pollutants in East Asia	✓			
(20) Promotion of studies on the effects of acid deposition and other priority chemical species on plants, ecosystems, human health and other social aspects, including the viewpoint of the socio-economics		✓		✓
(21) Promotion of studies on models to assess the trend of national and regional acid deposition and other related air pollutants in East Asia, and promotion of atmospheric simulation models through workshops, training courses, etc.	✓			✓
(27) Consideration on future development of the EANET				✓

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Interlinkage between Proposed Task Forces and Activities of current MTP

[Proposed TFs]

Activity of MTP 2021-2025	Task Force on Monitoring and Assessment of Atmospheric Environment	Task Force on Monitoring and Assessment of Environmental Effects	Task Force on Atmospheric Environmental Quality Management
1. Monitoring of acid deposition (acidifying species and related chemical substances such as ozone and PM) including an increase of EANET monitoring sites, improvement in monitoring methodologies and better instrument maintenance	✓	✓	
2. Development/revision of (technical) guidelines, technical manuals, and documents, as necessary	✓	✓	
3. Development/update of strategy papers for guidance on the future direction of the monitoring, as necessary	✓	✓	✓
6. Conduct an annual assessment of the state of acid deposition using trend analysis, numerical models	✓	✓	✓
12. Consideration on future development of the EANET			✓
15. Review of the MTP (2016-2020), revision of the MTP (2021-2025) if necessary, and development of the next MTP for the EANET (2026-2030)	✓	✓	✓
16. Sharing a common understanding on atmospheric environment issues among the scientific community			✓

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Rule of Procedures of Reformation of Task Forces and Expert Groups

This Rules of procedure is the revision of “Procedures for establishing Task Forces and Expert Groups under the Scientific Advisory Committee of EANET (Annex 1)” of “Guidelines on the administrative and financial management for the Secretariat and the Network Center and the EANET Project Fund”.

Establishment of Task Forces and Expert Groups

1. The Scientific Advisory Committee (SAC) of the Acid Deposition Monitoring Network in East Asia (EANET) may recommend to the Intergovernmental Meeting (IG) on the EANET the establishment of Task Forces related to scientific and technical issues deemed important for future development of the EANET.
2. The IG will consider the recommendation of the SAC and give its approval, if appropriate.
3. The Terms of Reference of the Task Forces may be further developed and updated if necessary, based on guidance from the SAC. 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.
4. The SAC will elect a chairperson of the Task Force and Expert Group from among the SAC members and decide on the scope of the activities of the Task Force or Expert Group.
5. The Network Center (NC) will provide technical assistance and facilitate communication between the SAC, the IG, the chairpersons and members of the Task Forces and Expert Groups.
6. A Task Force or Expert Group can be dissolved if decided by the SAC and approved by the IG. Reformation of the existing Task Forces should also be implemented by the same manner.
7. This document will clarify procedures on reformation of the existing Task Forces and Expert Group.

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Rules of procedures

8. Membership

- Unless otherwise specified, the Chairperson of the Task Forces and Expert Group will decide on the member composition. The members may be experts selected from the participating countries or experts nominated by the National Focal Points (NFPs) of the participating countries, as appropriate. An appointment letter signed by the chairperson will be sent to each member to confirm his/her appointment to the Task Force or Expert Group.
- Additional experts from outside the participating countries of the EANET may be invited to participate in the activities of the Task Forces or Expert Group as members or resource persons for scientific and technical reasons. The experts may be invited by the chairperson in consultation with the NC and members of the Task Force or Expert Group, depending on availability of budget and other factors.
- The Chairperson, with advice from the members, can decide to invite new members based on need for additional expertise. A member may withdraw from the Task Force or Expert Group at any time upon notification to the Chairperson and the NC.

9. Additional matters on the membership

- Members of a Task Force or Expert Group will receive no pay, allowances, or benefits by reason of their service on the Task Force or Expert Group. However, while away from their homes or regular place of business and in performance of service for the Task Force or Expert Group, travel expenses will be provided if needed. Travel expenses will include per diem.
- The Chairperson should select an alternative member, to implement the Task Force or Expert Group work if the member is not available.
- Members of a Task Force or Expert Group may serve for the period of Task Force or Expert Group.

10. Term of Chairperson and election of Vice-Chairperson

- The Chairperson serves for maximum of three years and not beyond the period of his/her membership in the SAC.
- The Vice-Chairperson of a Task Force will be elected from the members for a three years' term. The Chairperson, or in the absence of the Chairperson, the Vice-Chairperson, shall preside at meetings of the Task Force and shall exercise such other functions as may be required to facilitate the work of the Task Force. A Vice-Chairperson acting as a Chairperson shall have the same powers and duties as the Chairperson.

11. Working procedures

- The Task Forces and Expert Groups shall work in close coordination with each other in areas of common interest and exchange relevant information.
- Meetings will be held as necessary by the invitation of the chairperson. The frequency of the meetings will depend on availability of budget and necessity for members to meet. The NC will provide support in convening the meetings and will function as the meeting secretariat.
- As far as possible, communications among the members and between the NC and members of the Task Forces and Expert Groups will be conducted through the Internet to save costs. Face-to-face meetings will be held as needed.
- A meeting of the Task Forces and Expert Groups shall not be declared open unless there is a quorum. The presence of a majority of the members of the Task Force or Expert Group is necessary to constitute a quorum.

12. Additional matters on working procedures

- Decisions of a Task Force and Expert Group are made by its members only.
- Approvals relating to draft documents and agreement on recommendations provided to the SAC. SAC should be by consensus and communicated to the IG. If consensus is not reached, contentious issues should be mentioned and positions explained in the meeting report and brought to the attention of the SAC and the IG.
- English should be the working language of Task Force and Expert Group meetings.

13. Reporting procedures

- All documents developed by the Task Forces and Expert Groups will be submitted to the SAC for consideration and subsequent action.
- The progress of activities of the Task Forces and Expert Groups will be reported by the chairpersons and reviewed at the Sessions of the SAC.
- The activities of the Task Forces and Expert Groups and related recommendations from the SAC will be reported at the annual IG Sessions.

14. Additional matters on reporting procedures

- The documents of Task Forces and Expert Groups will be uploaded on the EANET website for the participating countries of EANET.

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Application of the procedures

- 15.* The rules of procedures specified in this document will be applied to establishment of new Task Forces and Expert Groups as well as reformation of the existing Task Forces and Expert Groups.
- 16.* Amendments to the terms of reference and rules of procedures, if required, should be adopted by the SAC and report to IG.

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Attachment 2 TOR of Current Task Forces

1. Task Force on Monitoring for Dry Deposition

Chair: Prof. Fang Meng (CRAES, China)

Member: Nomination from 1 person from each country, 14 members including Chair

TOR:

- ① To further develop and elaborate the strategy for dry deposition evaluation in the region
- ② To discuss future directions of dry deposition evaluation and provide guidance on relevant activities based on the strategy
- ③ To develop the Technical Manuals for Air Concentration Monitoring and Dry Deposition Flux Estimation

Recent activities:

In 2015, a dry deposition monitoring strategy paper (2016-2020) was prepared and an Expert Group was proposed to suggest to SAC15 the revision of the Air Concentration Monitoring Technical Manual and Dry Deposition Estimation Technical Manual.

The 5th meeting was held in July 2020 to discuss the dry deposition monitoring strategy paper (2021-2025). The final draft of the strategy paper was submitted and adopted at SAC20 in 2020.

2. Task Force on Soil & Vegetation Monitoring

Chair: Prof. Wilfredo M. Carandang (University of the Philippines Los Baños, Philippines)

Member: Experts from China, Japan, Malaysia, Philippines, Republic of Korea, and Russia (in total 9 members including the Chair)

TOR:

- ① To revise the technical documents on soil and vegetation monitoring as necessary
- ② To assess the impacts of acid deposition and relevant air pollutants on soil and vegetation based on available data and other information for the EANET periodic reports
- ③ To improve methodologies mentioned in the Technical Manual for Soil and Vegetation Monitoring and the Sub-Manual on Forest Vegetation Monitoring for EANET
- ④ To recommend activities for future directions of soil, vegetation and related ecosystems monitoring
- ⑤ To develop guidelines and methods for future monitoring
- ⑥ To identify future research activities for soil and vegetation

Recent activities:

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The 6th 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:

- ① To review acid deposition monitoring instrumentation and laboratory equipment including their operation
- ② To recommend suitable less expensive monitoring methodologies for EANET
- ③ To review current QA/QC procedures and recommend improvements
- ④ To develop monitoring manuals and guidelines in cooperation with other subsidiary groups under SAC

Recent activities:

The 2nd 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:

- ① To propose the future directions of research activities for the network
- ② To review the outcomes of EANET research activities
- ③ To review the reports of EANET Research Fellowship program
- ④ To identify potential international collaborative researches for EANET

Recent activities:

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The 8th 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.

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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;
- 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.

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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 of the Task Force will be elected from among the SAC members.

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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 **and** evaluation **method**, and research **methodology** 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 ~~and~~ **health** 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.

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Intergovernmental Meeting on the Acid Deposition Monitoring Network in East Asia
24-25 November 2022, Hybrid (on-site/online), Manila, Philippines

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~~
The SAC will elect a chairperson of the Task Force from among the SAC members .

The Twenty-fourth Session of the
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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 **Quality** 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 ~~and model-simulation~~ for air quality management in pilot cities ~~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. **TFAE will have one Chairperson and one Vice-Chairperson. The SAC will elect a chairperson of the Task Force from among the SAC members.**