

The Working Group Meeting in 2021 Session 2 (WG2021-2)
Acid Deposition Monitoring Network in East Asia
18-20 August 2021, Virtual Meeting

REPORT OF THE SESSION

I. INTRODUCTION

1. The Working Group Meeting in 2021 Session 2 (WG2021-2) of the Acid Deposition Monitoring Network in East Asia (EANET) was organized virtually during 18-20 August 2021.
2. Representatives of the Participating Countries, namely Cambodia, China, Indonesia, Japan, Lao PDR, Malaysia, Mongolia, Myanmar, Philippines, Republic of Korea, Russia, Thailand, and Viet Nam, participated in the meeting. Representatives of the United Nations Environment Programme (UNEP); the Secretariat and Asia Center for Air Pollution Research (ACAP), the Network Center (NC) for the EANET; Regional Resource Center for Asia and the Pacific, Asian Institute of Technology (RRC.AP/AIT) attended the meeting as well. The List of Participants is attached to this Report as Annex 1.

II. OPENING OF THE SESSION (AGENDA ITEM 1)

3. Mr. Tomi Haryadi, Coordinator of the Secretariat for the EANET, welcomed all virtual meeting participants and facilitated the opening of the session as well as the election of officers. Subsequently, he invited Dr. Dechen Tsering, Regional Director and Representative, United Nations Environment Programme for Asia & the Pacific, to deliver the Welcome Remarks, and Dr. Shiro Hatakeyama, Director General, Asia Center for Air Pollution Research, to deliver the Opening Remarks.
4. In her remarks, Dr. Tsering welcomed all EANET Participating Countries to the Working Group Meeting in 2021 Session 2. She mentioned that the Working Group Meeting in 2021 Session 1, organized last April as a follow-up meeting from the decisions of the IG22, had already led to remarkable efforts to strive for a better environment. She informed that EANET's continuous efforts, in the last 20 years, to create a common understanding of the state of acid deposition in the region and support to SDG's achievements will be reported to the fourth session of the Forum of the Ministers and Environment Authorities of Asia Pacific in October 2021. In conclusion, she congratulated the Representatives of the EANET Participating Countries on their hard work and a strong ambition to improve the region's air quality.
5. In delivering the Opening Remarks, Dr. Hatakeyama highlighted the main discussion points, such as the Revision of Draft Text Supplementary Document (Annex) to EANET Instrument and EANET Project Fund and Guidelines, as well as other

relevant matters. He suggested that if the scope expansion is smoothly started with the agreement of each country and the structure of the project fund is completed, the active involvement of each Participating Country in the project will become more important. He also mentioned that global warming and climate change are now the biggest environmental problems, as well as acid deposition. He ended his remarks by wishing all participants a fruitful and productive meeting.

III. ELECTION OF OFFICERS (AGENDA ITEM 2)

6. The Session elected Ms. Siwaporn Rungsiyanon, Director of Transboundary Air Pollution Subdivision Air Quality and Noise Management Division, Pollution Control Department, Ministry of Natural Resources and Environment, Thailand, as the Chairperson, Ms. Vizminda A. Osorio, Assistant Director, Environmental Management Bureau, Department of Environmental and Natural Resources, the Philippines, as Vice-Chairperson, and Dr. Gantuya Ganbat, Scientific Advisor National Committee on Reducing Environmental Pollution Ministry of Environment and Tourism, Mongolia, as Rapporteur of the WG2021-2.

IV. ADOPTION OF THE AGENDA (AGENDA ITEM 3)

7. The Session adopted the Provisional Agenda (EANET/WG2021-2/3/1), Annotated Provisional Agenda (EANET/WG2021-2/3/2), and Program Agenda (EANET/WG2021-2/3/3) of the Session proposed by the Secretariat and the NC.

V. CONSIDERATION OF THE REVISION OF DRAFT TEXT SUPPLEMENTARY DOCUMENT (ANNEX) TO EANET INSTRUMENT (AGENDA ITEM 4)

8. The Secretariat presented the Revision of Draft Text Supplementary Document (Annex) to EANET Instrument (EANET/WG2021-2/4).
9. The key points of the presentation included the revision of the Draft Text for Supplementary Document (Annex) to EANET Instrument by following the discussion at the WG2021-1 in April 2021, based on comments of Participating Countries on the draft simplified text of the supplementary document proposed by Japan at the WG2021-1 meeting.
10. The Session was invited to review, discuss, make comments, and provide guidance and make recommendations to the Twenty-third Session of the Intergovernmental Meeting (IG23) on the EANET
11. The major discussion included:

- i. Japan informed that they had no objection to the draft text for the supplementary document (Annex) to EANET. However, they mentioned that the Preamble might not be necessary to keep the text as simple as possible.
- ii. China firstly shared general comments on draft supplementary document: (i) seeking common ground accepted by all participating countries to gradually expand EANET scope. (ii) avoiding complicated and sensitive issues. (iii) trying to make adjustments based on the original framework of the Instrument to reduce the workload of negotiation. And the specific suggestions from China are as follows:
 - using neutral wordings to avoid any controversy in the definitions.
 - deleting the Preamble to simplify the Annex.
 - replacing the wording “air pollution,” which may be interpreted differently in each country, with “atmospheric environmental-related substances”.
 - to better define the words “expanded scope”.
 - deleting a sentence in Item 2, para 3: funding of the activities under the Annex should be under the decision of the IG (and delete the rest of the sentence).
 - deleting the CH₄, black carbon since they are covered in other international conventions.
 - not to include PM (chemical component, inorganic ions, metallic elements and organic aerosols) and NMVOC that lack monitoring capacity at present from items 4 and 5 in the Attachment table, but capacity building activities including monitoring methodology research can be conducted.
 - adding Dust and Sand Storm (DSS) as an additional target substance in the Attachment.
 - increasing capacity building activities from which PCs can truly benefit from the practical cooperation including experience sharing, clean air technology exchange and transfer and pilot projects.
 - for items 6 (Research Activities) in the Attachment table, for the current stage, China suggested focusing on areas that are acceptable to all participating countries or having the most common understanding.
- iii. UNEP legal expert informed all participants that while the Preamble is not binding, it is nevertheless very useful to provide context on the intent behind the Annex. He also explained that Item 1 serves to define the concepts and terminology in the Annex. The definition of air pollution is based on the current definition used in international law. It is up to the Participating Countries to replace it with other scientific terms such as “atmospheric environmental-related substances”. In addition, he informed that concerning the DSS, this terminology would need to be defined in Item1 as well.
- iv. Some countries reaffirmed their strong will to avoid making changes to the Instrument as this is in line with the Decisions of IG22.
- v. It was suggested to include DSS in the PM activities as DSS is not a substance

but a phenomenon.

- vi. It was requested to provide a clear explanation regarding the meaning of “partly” in the Attachment table proposed by China.
- vii. Viet Nam reaffirmed the importance of including a Preamble to the Annex.
- vi. Following the comments/ proposal text submitted by China at the Meeting and the Session's request to gather comments on the proposal, the Secretariat prepared and presented the consolidated comments of Participating Countries and UNEP's Law Division on China's comments to the proposal of China. Following the presentation of the Secretariat on consolidated comments, several comments made by the Participating Countries, among others:

- On the Preamble:

- It was suggested focusing the discussion on the opinions of Countries on the Preamble and the choice of the terminology, either “air pollution” or “atmospheric environmental-related substances” or any other terminology.
- It was suggested to delete the Preamble to avoid complex negotiation on the Preamble text.
- Japan informed that their position was flexible to accommodate any Participating Countries' opinions and proposed a short version of the Preamble.
- Several countries informed their will to keep a Preamble, preferably in a short version, to describe the aim of the Annex, in particular to audiences outside of the EANET, and define the selected terminology (atmospheric environmental-related substances or air pollution).

- On Item 1:

- It was suggested avoiding any definition of air pollution since the scope would be defined instead by the list of substances in the Annex's Attachment.
- Several countries expressed the need to define the terminology proposed by China in its draft Annex, the “atmospheric environmental-related substances”, as it may be clear to scientists but confusing for policy-makers or the general public.
- It was suggested to modify para 4 in item 4 by specifying what air pollution means “in this Annex” in order not to impact any countries' position. In addition, it was explained that the expanded scope would not be defined by the terminology air pollution but by the substances in the Attachment.
- It was informed that the terminology atmospheric environmental-related substances is neutral and flexible and could include broader substances such as Green House Gases (GHGs) in future, if possible.
- UNEP Legal Expert reminded all meeting participants that the wordings “air pollution” has been mentioned in the Decision of IG22. Consequently, it is recommended to use it in the Annex. Nevertheless,

its definition would only be applied to the Annex.

- It was suggested using the terminology “atmospheric pollution”.
- On Item 2:
 - No comments.
- On Item 3:
 - In Item 3, para 1, it was proposed to keep “should include” instead of “shall be replaced” as countries expressed a consensus on refusing to modify the Instrument.
 - It was recommended to keep the Annex as simple as possible because the substances and activities would be discussed each year at the IG based on the consensus, while another country suggested setting clear boundaries to the Annex to avoid complicated discussions in the future.
 - It was informed that the Secretariat would prepare a third revision of the Draft after the meeting by reflected all comments by Participating Countries, and later the fourth version to be submitted to IG.
- On Item 4:
 - Several countries suggested removing the reference to the MTP and replacing it with “periodic evaluation” as a generic terminology.
 - Several countries expressed their concerns over the proposal from China to remove activities in the Attachment related to Particulate Matter (item 4 and 5) as these are already monitored actively.
 - The NC clarified that the PM, NO, NO₂ and NO_x were already current EANET activities, as the original Annex was shared with the Meeting.
 - The Republic of Korea expressed interest in adding DSS activities and informed that they had a solid and long experience working on this issue.
 - It was clarified that in the Attachment, the monitoring of CO, MNVOC, CH₄ is relevant as these substances are the precursors of ozone, and Black carbon is an important component of PM. CO is also a harmful substance of which the environmental standard was established in many countries.

12. The Chairperson thanked participants for their comments, guidance, recommendations, and closed Agenda item 4.

VI. CONSIDERATION OF EANET PROJECT FUND AND PROJECT GUIDELINE (AGENDA ITEM 5)

13. The Secretariat and the NC presented the EANET Project Fund and Project Guideline (EANET/WG2021-2/5)

14. The key points of the presentation included updated information to the EANET Project Fund and Project Guidelines version presented during WG2021-1, including

Japan's revised proposal from 24 May 2021 and the proposal to appoint the Asia Center for Air Pollution Research (ACAP) as EANET Project Fund Holder. The presentation also suggested:

- The Guideline will be implemented right after IG23 approves.
- The Guideline is the simple version and will be revised next year if IG23 is approved.

15. The Session was invited to review, discuss, make comments, provide guidance and make recommendations to the IG23 on the EANET.

16. The major discussion included:

- i. It was suggested starting the Project Fund mechanism immediately after being approved by the IG23.
- ii. It was clarified that there would be a separate financial report for the voluntarily financial contribution issued by the project fundholder. If IG agrees, ACAP/ the NC to be the holder, this report will be prepared by ACAP.
- iii. It was reminded that for the EANET Project Plan (EPP), the NC and Secretariat might support stakeholders in the preparation phase if needed.
- iv. It was pointed that following principles should be followed on the EANET Project Fund and Project Guideline: firstly, the projects should be designed within the scope of the EANET; secondly, project activities should be adhere to the consensus of all participating countries, and follow the approval procedure of WG discussion, SAC review and IG approval. Then China shared specific comments on this agenda item via email with the Secretariat during the meeting, and it has been shared with all Participating Countries.
- v. It was clarified that the Project Fund's funding source is for the non-core budget unless decided differently by the IG.
- vi. It was informed that any institution outside of the EANET countries might participate in the EANET Project Fund.
- vii. It was explained that the research activities should remain within the EANET project criteria definition and would be advertised on the EANET website and other relevant channels outside of the EANET.
- viii. It was informed that if the IG endorses ACAP as the Project Fund holder, ACAP will follow its usual budgetary regulation of with Japan Environmental Sanitation Center (JESC), its parent organization.
- ix. It was clarified that specific information on item 4.3 relative to the "in-kind contributions" could be added to the document's revision.
- x. It was suggested modifying the approval of the EANET Projects (EPP) to be approved not only by IG but also by consensus through the Working Group and SAC meetings to avoid organizing any additional ad-hoc IG meetings to save the costs of organizing such meetings.
- xi. It was clarified that the Working Group is not a regular meeting of EANET.

- xii. It was highlighted that the Project Guidelines should be attractive as they will target potential co-financers such as other organizations or non-member countries.

17. The Chairperson thanked participants for their comments, guidance, recommendations, and closed Agenda item 5

VII. CONSIDERATION OF THE REVISION OF GUIDELINES ON THE ADMINISTRATIVE AND FINANCIAL MANAGEMENT FOR THE SECRETARIAT AND THE NETWORK CENTER FOR THE EANET (AGENDA ITEM 6)

18. The Secretariat and the NC jointly presented the Revision of Guidelines on the Administrative and Financial Management for the Secretariat and the Network Center for the EANET (EANET/WG2021-2/6).

19. The presentation's key points included potential modifications to the Revision Guidelines on the Administrative and Financial Management for the Secretariat and the Network Center for the EANET if the IG23 approves the Project Fund Mechanism.

20. The Session was invited to review, discuss, make comments, provide guidance and make recommendations to the IG23 on the EANET.

21. The major discussion included:

- i. It was requested that the Secretariat report on the progress to the IG (modify page 16, para 80).
- ii. It was suggested creating a form for the Project Fund itself (related to page 30, Annex 6).
- iii. It was clarified that the financial report of the Secretariat and NC includes information regarding the carry forward of the budget and the surplus (modify page 37, Annex 8, Table 2-1).
- iv. Considering agenda item 6 is related to agenda item 5 (the EANET Project Fund and Project Guideline), it was suggested that the revision should be consistent with the approved EANET Project Fund and Project Guideline and the management and operation of IG approved project fund should be regulated based on the principle of consensus, fully respect viewpoints of all participating countries, and encourage project fund to support substantive activities, such as capacity building activities, that all participating countries can benefit from.

22. The Chairperson thanked participants for their comments and closed Agenda item 6.

VIII. CONSIDERATION OF THE REVISION OF THE MEDIUM-TERM PLAN FOR THE EANET (2021-2025) (AGENDA ITEM 7)

23. The Secretariat presented the Revision of the Medium Term Plan for the EANET (2021-2025) (EANET/WG2021-2/7)
24. The presentation's key points included the proposed revisions to the MTP for the EANET subject to the approval of Annex by IG23.
25. The Session was invited to review, discuss, make comments, provide guidance, and make recommendations to the IG23 on the EANET
26. The major discussion included:
 - i. It was informed that the implementation of activities, including the project activities, should remain within the EANET scope.
27. The Chairperson thanked participants for their comments and closed Agenda item 7.

IX. CONSIDERATION OF THE WORK PROGRAMME AND BUDGET OF EANET IN 2022 (AGENDA ITEM 8)

28. The Secretariat and the NC presented the Work Programme and Budget of EANET in 2022 (EANET/WG2021-2/8).
29. The key points of the presentation included:
 - Description of the Draft Work Programme and Budget 2022, including core activities and core budget, non-core activities, and non-core budget.
 - The core activities and budget are in line with MTP (2021-2025).
 - The non-core activities are candidates to be discussed at IG23 considering comments from Participating Countries and the budget for non-core activities as a reference.
 - If IG23 approves the project mechanism, the contribution of participating countries in terms of financial and/or in-kind is crucially important.
 - It was mentioned that the participating countries were expected to express their pledge for non-core activities in terms of financial and/or in-kind contributions and draft ideas for non-core activities by 10 September 2021.
30. The Session was invited to review, discuss, make comments, provide guidance, and make recommendations to the IG23 on the EANET

31. The major discussion included:

- i. China informed the meeting that they would need internal approval before working on activities outside the current scope, even if IG23 approves the Supplementary Document (Annex) to EANET Instrument. It is difficult for China to accept activities beyond the current scope until Chinese central government's approval of Supplementary Document (Annex) to EANET Instrument.
- ii. It was clarified that the timeline for accomplishing the non-core activities in 2022 is available once the IG approves the selected project activities.
- iii. It was reminded that the non-core activities would be subject to availabilities of funds, and the contributions are voluntary.

32. The Chairperson thanked participants for their comments and closed Agenda item 8.

X. CONSIDERATION OF THE SUMMARY OF THE TWENTIETH ANNIVERSARY OF THE EANET (First revision) (AGENDA ITEM 9)

33. The NC presented the Summary of the Twentieth Anniversary of the EANET (First revision, hereinafter referred to as "the Summary") (EANET/WG2021-2/9)

34. The key points of the presentation included:

- The NC explained the progress of the development of the Summary after WG1.
- The NC briefly explained the revision points of each question and answer.

35. The Session was invited to review, discuss, make comments, provide guidance, and make recommendations to the IG23 on the EANET

36. The major discussion included:

- i. China shared several comments on the Summary at the meeting and agreed to share them in writing with the NC/Secretariat after the meeting. As a general comment, China highlighted that according to the IG22 meeting report, it would be better if a scientific report developed firstly, and then develop the summary based on the report; the Summary should be focused on the achievements of 20 years of implementation of the EANET, and the resources should mainly come from the EANET data and publications.
- ii. As the response to China's comments, the NC expressed the Summary would be revised following the comments and sent to all participating countries for their review.

37. The Chairperson thanked participants for their comments and closed Agenda item 9.

XI. WRAP-UP AND NEXT STEPS (AGENDA ITEM 10)

38. The Secretariat presented the meeting document under this agenda item (EANET/WG2021-2/10). The Chairperson, with support from the Secretariat, facilitated the discussion.

39. The key points of the presentation included:

- The Draft Report of the Session will be shared with Participating Countries by 25 August 2021, who are invited to provide comments by 31 August 2021, and the Final Report will be shared by 3 September 2021.
- A proposed continued WG2021-2 meeting before IG23.
- Rules and procedures of the meeting mentioned above are to be prepared by the Secretariat.
- Presentation of the possibility to join the Friends of Chair to support the bureau in preparing the revision of the Draft Text Supplementary Document (Annex) to EANET Instrument.

40. The Session was invited to review, discuss, make comments, provide guidance, and make recommendations to the IG23 on the EANET

41. The discussion was continued from Agenda item 4. The key points of the discussion included:

- i. It was suggested to have one more session to continue with pending discussions at the WG2021-2 and invited the Friends of Chair to work on the Draft of the Annex before this continued meeting. Japan offered to join this group.
- ii. It was clarified that the intention of the Draft Annex was not to modify the Instrument but to supplement it.
- iii. It was suggested that main discussions should be done before the meeting, allowing the meeting to move on more efficiently considering the results of the discussions.
- iv. The Secretariat informed that the rules and procedures to submit comments before the meeting would be prepared.
- v. UNEP Legal Expert informed that the Friends of the Chair meeting is a political process to discuss views of countries and the discussions from this meeting that could be reflected in a note in the meeting documents.

- On Next Steps:

- vi. Countries agreed to have an additional meeting, “Continued discussions of WG2021-2,” on 2 November 2021, for a four-hour session focusing on the

Revised Draft Text of Supplementary Document (Annex) to EANET Instrument.

- vii. It was clarified that the SAC would only provide comments from the scientific point of view on the Revised Draft Text of Supplementary Document (Annex) to EANET Instrument, based on scientific priority and benefits for the region.
- viii. It was suggested to ask the SAC for advice on the definitions and suggested terminologies such as air pollution and atmospheric environmental-related substances.
- ix. Countries were welcome to express their interest in joining the Friends of Chair by emailing the Secretariat by 27 August 2021. At the meeting, Japan and the Philippines expressed their willingness to be the Friends of Chair.
- x. Thailand has confirmed its availability to Chair the WG2021-2 continued meeting.
- xi. The Session prepared and adopted the Recommendations of the WG2021 to IG23 (available as Annex 2).

42. The Chairperson thanked participants for their comments and closed Agenda item 10.

XII. CLOSING OF THE SESSION (AGENDA ITEM 11)

- 43. Dr. Isabelle Louis delivered the closing remarks. In her remarks, she mentioned that the 3-days meetings led to very important discussions and inputs for the preparation of IG23. She noted the next two important meetings coming ahead, the SAC21 and the continued WG2021-2 Session 2, and informed that these next steps, thanks to the Secretariat and the NC's efforts, would contribute to the success of the next IG23. Dr. Louis thanked all participating countries, the NC, the Secretariat, and the UNEP Legal Division representative, Mr. Stadler, for their active contribution during the meeting.
- 44. Dr. Erdenebat informed that after four years at the ACAP, his employment contract as Deputy Director-General is ended. He mentioned that the important agendas that were discussed during the 3-days meeting constituted one step forward to the expansion of the scope of the EANET, which should be reflected in the MTP for EANET 2021-2025, allowing the EANET to contribute more to the wider air pollution issues of the region. He informed participants that Prof. Meng Fan from the Chinese Research Academy of Environmental Sciences has been selected as the next Deputy Director-General in charge of the Network Center and wished him all the success in strengthening EANET activities. Finally, he thanked all Participating Countries and colleagues from the Secretariat and the NC for their constant support in Niigata, Japan, and wished good health and happiness to everyone.
- 45. Japan's representatives thanked Dr. Erdenebat for his remarkable contribution to the EANET. Also, they informed the Session that the IG23 will be held virtually due to the COVID-19 pandemic and that Japan has agreed to chair the meeting.

46. The Session expressed its gratitude to the Chairperson, Vice-Chairperson, the Rapporteur, the participants, the representatives from international organizations, and resource persons for their efforts, cooperation, and contribution to the Session.

47. The Chairperson, appreciating the participants, the Secretariat, and the NC for their contributions, declared the Working Group Meeting in 2021 Session 2 (WG2021-2) of the Acid Deposition Monitoring Network in East Asia officially closed.

ANNEX 1 – LIST OF PARTICIPANTS

CAMBODIA

Mr. Thiv Sophearith
Deputy Director-General
General Directorate of Environmental
Protection
Ministry of Environment
The Heritage Techo Building (Lot 503)
Tonle Bassac, Chamkarmon
Phnom Penh Cambodia
Tel: +855-12-858-509
Email: rith72@yahoo.com

Mr. Him Chandath
Deputy Director
Air Quality and Noise Management
Ministry of Environment
The Heritage Techo Building (Lot 503)
Tonle Bassac, Chamkarmorn
Phnom Penh Cambodia
Tel: +855-99-860-505
Email: hcdmoe@gmail.com

CHINA

Ms. Shi Chuan
Program Officer
Division of Asian, African, and Latin
American Affairs
Department of International Cooperation
Ministry of Ecology and Environment No.12,
East Chang'an Avenue, Dongcheng District,
Beijing People's Republic of China
Tel: +86-10-6564-5810
Fax: +86-10-6564-5824
Email: shi.chuan@mee.gov.cn

Mr. Chen Yaxiang
Program Manager
Division of Asian, African, and Latin
American Affairs
Foreign Environmental Cooperation Center
Ministry of Ecology and Environment No. 5,
Houyingfang Hutong
Xicheng District, Beijing 100035
People's Republic of China
Tel: +86-10-8226-8245
Fax: +86-10-8220-0579
Email: chen.yaxiang@fecomee.org.cn

Mr. Zhou Jun
Director
Division of Asian, African, and Latin American
Affairs
Department of International Cooperation
Ministry of Ecology and Environment
No.12, East Chang'an Avenue, Dongcheng
District, Beijing, People's Republic of China
Tel: +86-10-6564-5826
Fax: +86-10-6564-5824
Email: zhou.jun@mee.gov.cn

Mr. Chen Tianyang
Program Officer
Division of Asian, African, and Latin American
Affairs
Foreign Environmental Cooperation Center
Ministry of Ecology and Environment No. 5,
Houyingfang Hutong
Xicheng District, Beijing 100035
People's Republic of China
Tel: +86-10-8226-8265
Fax: +86-10-8220-0579
Email: chen.tianyang@fecomee.org.cn

Mr. Zhao Qian
Programme Officer
Division of Monitoring Network Management
Department of Ecological Environment
Monitoring Ministry of Ecology and Environment
No.82, Dong An Men Avenue, Dongcheng
District, Beijing People's Republic of China
Tel: +86-10-6564-6237
Fax: +86-10-6564-6241
Email: Sec_zhaoqian@126.com

Ms. Zhang Min
Program Officer
Division of Asian, African, and Latin American
Affairs
Department of International Cooperation Ministry
of Ecology and Environment No.12, East
Chang'an Avenue, Dongcheng District, Beijing
People's Republic of China
Tel: +86-10-6564-5827
Fax: +86-10-6564-5824
Email: zhang.min@brigg.net

Dr. Wang Xiaofei
Senior Engineer
Department of Ambient Air Quality
Monitoring
China National Environmental Monitoring
Center
No. 8, Anwai Dayangfang Chaoyang
District, Beijing 100012
People's Republic of China
Tel: +86-10-8494-3080
Fax: +86-10-8465-0863
Email: wangxf@cnemc.cn

Ms. Jiao Congying
Associate Professor
Office of Scientific Research Management
China National Environmental Monitoring
Center
No. 8B, Anwai Dayangfang Chaoyang
District, Beijing 100012
People's Republic of China
Tel: +86-10-8494-3165
Fax: +86-10-8494-3272
Email: jiaocy@cnemc.cn

Dr. Yang Xiaoyang
Institute of Atmospheric Environment
Chinese Research Academy of
Environmental Sciences
No. 8 Dayangfang, Anwai Beiyuan
Chaoyang District, Beijing 100012
People's Republic of China
Email: yangxy@craes.org.cn

INDONESIA

Mr. Djurit Teguh Prakoso
Head of Sub Directorate of Air Pollution
Control
Directorate of Air Pollution Control
Directorate General of Pollution Control and
Environmental Damage
Ministry of Environment and Forestry Jl. DI.
Panjaitan, Kav. 24 Kebon Nanas Jakarta
13410 Indonesia
Tel: +66-21-812-935-4732
Email: prakoso_ray@yahoo.com

Mr. Ahmad Imanuddin
Staff
Directorate of Air Pollution Control Directorate
General of Environmental Pollution and Damage
Control Ministry of Environment and Forestry Jl.
DI. Panjaitan, Kav. 24 Kebon Nanas
Jakarta 13410
Indonesia
Email: Ahmadimanuddin77@gmail.com

Mr. Azafian Rafael
Staff
Directorate of Air Pollution Control Directorate
General of Environmental Pollution and Damage
Control Ministry of Environment and Forestry Jl.
DI. Panjaitan, Kav. 24 Kebon Nanas
Jakarta 13410
Indonesia
Email: azafianraf@gmail.com

JAPAN

Mr Toshiyuki Yamasaki
Director
International Cooperation Office Environmental
Management Bureau Ministry of Environment,
Japan
1-2-2, Kasumigaseki, Chiyoda-ku
Tokyo 100-8975 Japan
Tel: +81-3-5521-8292
Email: TOSHIYUKI_YAMASAKI@env.go.jp

Mr. Koki Azuma
Counselor for Transboundary Pollution Analysis
General Affairs Division Environmental
Management Bureau Ministry of Environment,
Japan
1-2-2, Kasumigaseki, Chiyoda-ku
Tokyo 100-8975 Japan
Tel: +81-3-3581-3351 (ext. 6532)
Email: KOKI3_AZUMA@env.go.jp

Dr. Minako Kawai
Section Chief
Air Environment Division Environmental
Management Bureau Ministry of
Environment, Japan
1-2-2, Kasumigaseki, Chiyoda-ku
Tokyo 100-8975
Japan
Tel: +81-3-5521-8292
Email: MINAKO_KAWAI@env.go.jp

Mr. Ko Matsuura
Section Chief
Office of International Cooperation in Air
and Water Quality Management
Environmental Management Bureau Ministry
of Environment, Japan
1-2-2, Kasumigaseki, Chiyoda-ku
Tokyo 100-8975
Japan
Tel: +81-3-5521-8198
Email: KO_MATSUURA@env.go.jp

Mr. Takashi Ohmura
Senior Fellow
Institute for Global Environmental Strategies
2108-11, Kamiyamaguchi, Hayama,
Kanagawa, 240-0115
Japan
Tel: +81-46-855-3856
Email: takashi.ohmura@mx.iges.or.jp

LAO PDR

Ms. Setouvanh Phanthavongsa
Deputy Director
Natural Resources and Environment and
Statistic Research Institute (NRESRI)
Ministry of Natural Resources and
Environment
PO Box 7864, Nahaideo Rd Chanthabouly
District, Vientiane
Lao PDR
Tel: +(856)-20-5556-4153
Fax: +(856)-21-263-799
Email: setouvanh@yahoo.com

MALAYSIA

Ms. Mazrini Binti Mohmad
Principal Assistant Secretary
Environmental Management Division Ministry of
Environment and Water Level 4, Block F11,
Complex F Lebuh Perdana Timur, Presint 1 62000
Putrajaya
Malaysia
Tel: +60-3-8091-7048
Email: mazrini@kasa.gov.my

Dr. Ahmad Fairudz Bin Jamaluddin
Director
Atmospheric Science and Cloud Seeding Division
Malaysian Meteorological Department Ministry of
Environment and Water Jalan Sultan 046667
Petaling Jaya Selangor,
Malaysia
Tel: +603-7967-8067
Fax: +603-7967-8046
Email: fairudz@met.gov.my

Mohd Azuwan Bin Abdullah
Assistant Secretary
Environmental Management Division Ministry of
Environment and Water Level 10, Block F11,
Complex F Lebuh Perdana Timur, Presint 1 62000
Putrajaya
Malaysia
Tel: +60-3-8091-7053
Email: azuwan@kasa.gov.my

Ms. Zafirah binti Mohamad Nor
Assistant Secretary
Environmental Management Division Ministry of
Environment and Water Level 10, Block F11,
Complex F Lebuh Perdana Timur, Presint 1 62000
Putrajaya
Malaysia
Tel: +60-3-8091-7065
Email: zafirah@kasa.gov.my

Mr. Mohan Kumar Sammathuria
Principal Assistant Director
Atmospheric Sciences and Cloud Seeding
Division
Malaysian Meteorological Department
Ministry of Environment and Water Jalan
Sultan 046667 Petaling Jaya Selangor,
Malaysia
Tel: +603-7967-8098
Fax: +603-7955-0964
Email: mohan@met.gov.my

Mr. Ambun Dindang
Senior Director
Meteorological Instrumentation and
Atmospheric Science Centre Malaysian
Meteorological Department Ministry of
Environment and Water Jalan Sultan 046667
Petaling Jaya Selangor, Malaysia
Tel: +603-7967-8090
Fax: +603-7954-9326
Email: ambun@met.gov.my

MONGOLIA

Mr. Baldorj Barkhasragcha
Head, Environmental Monitoring Division
Central Laboratory of Environment and
Meteorology
National Agency for Meteorology and
Environmental Monitoring
CLEM, Chinggis Avenue
2nd Khoroo, Khan-Uul District Ulaanbaatar-
36, P.O. Box 150 Mongolia
Tel: +976-88-653-355
Fax: +976-11-341-818
Email: bnbarkhas@gmail.com

Dr. Gantuya Ganbat
Scientific Advisor
National Committee on Reducing
Environmental Pollution
Ministry of Environment and Tourism
Juulchni street-5, Chingeltei duureg
Ulaanbaatar 15160
Mongolia
Tel: +976-51-261-890/
+976-9907-0535 (mobile)
Email: gantuyaG@gmail.com

MYANMAR

Dr. Kyu Kyu Sein
Assistant
Director Hydrological Division
Department of Meteorology and Hydrology
Ministry of Transport and Communication
Office No. 5,
Nay Pyi Taw
Myanmar
Tel: +95-9-25095-4661
Fax: +95-67-411-253
Email: sein.dmhmdy@gmail.com

PHILIPPINES

Ms. Vizminda A. Osorio
OIC, Assistant Director
Environmental Management Bureau
Dept. of Environment and Natural Resources
DENR Compound, Visayas Avenue Diliman,
Quezon City 1101
Philippines
Tel: +632-8928-3738 /
+639178268714
Email: oad.emb@gmail.com

Ms. Consolacion P. Crisostomo
Division Chief
Policy, Planning and Programs Development
Division Environmental Management Bureau
Dept. of Environment and Natural Resources
DENR Compound, Visayas Avenue Diliman,
Quezon City 1101
Philippines
Tel: +63-2 8928-8893
Email: consolacion_crisostomo@emb.gov.ph;
consolacioncrisostomo@yahoo.com

Mr. Jundy T. Del Socorro
Supervising Environmental Management
Specialist, Air Quality Management Section
Environmental Quality Management
Division
Environmental Management Bureau
Dept. of Environment and Natural Resources
DENR Compound Visayas Avenue
Diliman,
Quezon City 1101
Philippines
Tel: +63-8926-4430
Fax: +63-8928-4430
Email: jundy_delsocorro@emb.gov.ph

Ms. Ma. Fatima Anneglo R. Molina
Supervising Science Research Specialist
Environmental Research and Laboratory
Services Division
Environmental Management Bureau
Dept. of Environment and Natural Resources
EMB-CO Laboratory, DENR Compound,
Visayas Avenue, Diliman,
Quezon City 1101
Philippines
Tel: +63-8426-4332
Fax: +63-8426-4332
Email: fatima_molina@emb.gov.ph

Ms. Karen Ann Foster Pacpaco
Supervising Environmental Management
Specialist
Environmental Education and Information
Division
Dept. of Environment and Natural Resources
2F EMB-HRD,
DENR Compound
Visayas Avenue, Diliman,
Quezon City 1101
Philippines
Tel: +63-8376-5610
Fax: +63-8376-5610
Email: karen_pacpaco@emb.gov.ph ;
karenpacpaco@gmail.com

Ms. Arcely C. Viernes
Senior Science Research Specialist and National
Coordinator for EANET Environmental Research
and Laboratory Services Division
Environmental Management Bureau Dept. of
Environment and Natural Resources
EMB Central Office Laboratory DENR
Compound, Visayas Avenue Diliman,
Quezon City 1101
Philippines
Tel: +63-955-100-7647
Fax: +63-8426-4340
Email: arcely_viernes@emb.gov.ph

Mr. Sammy L. Aytona
Senior Science Research Specialist Environmental
Research and Laboratory Services Division
Environmental Management Bureau Dept. of
Environment and Natural Resources
EMB Central Office Laboratory DENR
Compound, Visayas Avenue Diliman,
Quezon City 1101
Philippines
Tel: +63-8426-4332
Fax: +63-8426-4332
Email: Sammy_aytona@emb.gov.ph

REPUBLIC OF KOREA

Ms. Soon-ye Cho
Deputy Director
Air Quality Division
Air Quality Policy Bureau Ministry of
Environment
Building #6, Government Complex- Sejong
11 Doum 6-ro
Sejong Special Government City 30103
Republic of Korea
Tel: +82-44-201-6879
Fax: +82-44-201-6873
Email: joe0001@korea.kr

Ms. Hyeri Yi
International Cooperation Advisor Air
Quality Division
Air Quality Policy Bureau Ministry of
Environment
Building #6, Government Complex- Sejong
11 Doum 6-ro
Sejong Special Government City 30103
Republic of Korea
Tel: +82-44-201-6868
Fax: +82-44-201-6873
Email: hailey02@korea.kr

RUSSIA

Dr. Sergey Gromov
Deputy Director
Yu.A. Izrael Institute of Global Climate and
Ecology (IGCE)
Glebovskaya Street, 20-B Moscow, 107258
Russia
Tel: +7-499-160-5836
Fax: +7-499-160-0831
Email: gromov.eanet@gmail.com /
sergey.gromov@igce.ru

Ms. Kotlyakova Marina
Deputy Head
Environmental Pollution Monitoring
Department
Russian Federal Service for
Hydrometeorology and Environmental
Monitoring
12, Novovagankovskiy Pereulok, 123995
Moscow 107258
Russia
Tel: +7-499-255-1372
Fax: +7-499-795-2004
Email: m.kotlyakova@meteorf.ru

THAILAND

Ms. Siwaporn Rungsiyanon
Director
Transboundary Air Pollution Subdivision Air
Quality and Noise Management Division
Pollution Control Department
Ministry of Natural Resources and Environment
92 Soi Phahonyothin 7, Phahonyothin Road Sam
Sen Nai, Phayathai
Bangkok 10400
Thailand
Tel: +662 298 2309
Fax: +66-2-298-5389
Email: rungsiyanons@gmail.com

Mr. Phunsak Theramongkol
Director
Air Quality and Noise Management Division
Pollution Control Department
Ministry of Natural Resources and Environment
92 Soi Phahonyothin 7, Phahonyothin Road
Sam Sen Nai, Phayathai
Bangkok 10400
Thailand
Tel: +662 298 2124
Fax: +66-2-298-5389
Email: phunsak.t@pcd.go.th

Mr. Pichaid Atipakya
Environmentalist
Air Quality and Noise Management Division
Pollution Control Department
Ministry of Natural Resources and Environment
92 Soi Phahonyothin 7, Phahonyothin Road
Sam Sen Nai, Phayathai
Bangkok 10400
Thailand
Tel: +662-298-2355
Fax: +662-298-5389
Email: pichaid_a@hotmail.com

Ms. Sirirat Yensong
Environmentalist
Air Quality and Noise Management Division
Pollution Control Department Ministry of
Natural Resources and Environment
92 Soi Phahonyothin 7, Phahonyothin Road
Sam Sen Nai, Phayathai Bangkok 10400
Thailand
Tel: +66-2-298-2319
Fax: +66-2-298-5389
Email: sirirat_yen@hotmail.com

Mr. Nattanont Tangngam
Third Secretary
Legal Affairs Division
Department of Treaties and Legal Affairs
Ministry of Foreign Affairs
443 Si Ayutthaya Road, Thung Phaya Thai
Sub-district, Ratchathewi District,
Bangkok 10400 Thailand
Tel: +66-9-9354-9445
Email: na.tangngam@mfa.mail.go.th

VIET NAM

Dr. Le Ngoc Cau
Director
Center of Environmental Research Vietnam
Institute of Meteorology, Hydrology and
Climate Change
No. 23, Lane 62, Nguyen Chi Thanh Street
Dong Da District, Hanoi Viet Nam
Tel: +84-24-3773-1410
Fax: +84-24-3835-5993
Email: caukttv@gmail.com

UN ENVIRONMENT PROGRAMME

United Nations Building, 2nd Floor
Rajdamnern Nok Avenue Bangkok 10200,
Thailand

Dr. Isabelle Louis
Deputy Regional Director
Tel: +66 2288-1604
Email: louisi@un.org

Mr. Stadler Trengove
Principal Legal Officer
Tel: +12129631107
Email: stadler.trengove@un.org

Ms. Georgina Lloyd
Regional Coordinator, Environmental Law and
Governance
Tel: +66 2288-1894
Email: georgina.lloyd@un.org

Ms. Maria Katharina Patdu
Coordinator, Asia Pacific Clean Air Partnership
(APCAP)
Tel: +66 2288-1443
Email: mariakatherina.patdu@un.org

NETWORK CENTER FOR THE EANET

Asia Center for Air Pollution Research (ACAP)
1182 Sowa, Nishi-ku
Niigata-shi, 950-2144, Japan
Fax: +81-25-263-0566

Dr. Shiro Hatakeyama
Director-General
Tel: +81-25-263-0551
Email: hatakeyama@acap.asia

Dr. Erdenebat Eldev-Ochir
Deputy Director-General
Tel: +81-25-263-0552
Email: erdenebat@acap.asia

Dr. Ken Yamashita
Head, Planning and Training Department Tel:
+81-25-263-0564
Email: kyamashita@acap.asia

Dr. Meihua Zhu
Senior Researcher, Planning and Training
Department
Tel: +81-25-263-0556
Email: mhzh@acap.asia

Ms. Ayako Aoyagi
Administrative Staff, Planning and Training
Department
Tel: +81-25-263-0556
Email: aoyagi@acap.asia

Dr. Keiichi Sato
Head, Atmospheric Research Department
Tel: +81-25-263- 0558
Email: ksato@acap.asia

Dr. Hiroyuki Sase
Head, Ecological Impact Research
Department
Tel: +81-25-263- 0558
Email: sase@acap.asia

Dr. Tsuyoshi Ohizumi
Head, Data Management Department
Tel: +81-25-263- 0561
Email: tohizumi@acap.asia

Dr. Junichi Kurokawa
Chief Senior Researcher, Data Management
Department
Tel: +81-25-263- 0562
Email: kurokawa@acap.asia

Ms. Yao Dong
Assistant Deputy Director-General
Tel: +81-25-263-0594
Email: ydong@acap.asia

Mr. Akihito Morizumi
Manager, General Affairs Department
Tel: +81-25-263-0556
Email: morizumi@acap.asia

Ms. Miho Tamura
Administrative Staff, General Affairs
Department
Email: tamura@acap.asia

Mr. Ryo Matsuya
Senior Researcher, Atmospheric Research
Department
Email: matsuya@acap.asia

Mr. Takuya Momoi
Senior Researcher, Atmospheric Research
Department
Email: momoi@acap.asia

Dr. Akie Yuba
Senior Researcher, Atmospheric Research
Department
Email: yuba@acap.asia

Ms. Mari Futami
Researcher, Atmospheric Research Department
Email: futami@acap.asia

Dr. Rieko Urakawa
Senior Researcher, Ecological Impact Research
Department
Email: urakawa@acap.asia

Mr. Hiroki Yotsuyanagi
Senior Researcher, Ecological Impact Research
Department
Email: yotsuyanagi@acap.asia

Mr. Masayuki Morohashi
Senior researcher, Ecological Impact Research
Department
Email: morohashi@acap.asia

Mr. Hiroshi Machida
Senior Researcher, Data Management Department
Email: machida@acap.asia

Dr. Yusuke Kiriya
Researcher, Data Management Department
Email: kiriya@acap.asia

Ms. Kumiko Nakamura
Researcher, Data Management Department
Email: nakamura@acap.asia

SECRETARIAT FOR THE EANET

United Nations Environment Programme
Asia and Pacific Office
2nd Floor, UN Building Rajdamnern Nok
Avenue Bangkok 10200
Thailand
Tel: +662 288 1627
Fax: +62-2-280-3829

Mr. Tomi Haryadi
Coordinator
Tel: +66-2-288-1627
Email: haryadi@un.org

Ms. Aurélie Lemoine
Consultant
Tel: +662 288 1627
Email: aurelia.lemoine@un.org

Ms. Sirinart Suanyam
Programme Management Assistant
Chemicals, Waste and Air quality
Tel: +66 2288-2025
Email: suanyam@un.org

REGIONAL RESOURCE CENTER
FOR ASIA AND THE PACIFIC

3rd Floor, Outreach Building
Asian Institute of Technology (AIT) PO Box 4,
Klong Luang Pathumthani 12120, Thailand
Fax: +66-2-516-2125

Dr. Naoya Tsukamoto
Director
Tel: +66-2-524-5384; +66-83-891-
8463
Fax: +66-2-516-2125
Email: Naoya.Tsukamoto@rrcap.ait.asia

Dr. Ram Lal Verma
Programme Specialist
Tel: +66-2-524-6163
Email: Ramlal.Verma@rrcap.ait.ac.th

Ms. Charina May Lepiten
Programme Specialist
Tel: +66-2-524-5365
Email: Charina.Lepiten@rrcap.ait.ac.th

ANNEX 2 - RECOMMENDATIONS OF THE WG2021 TO IG23 (*adopted*)

The Working Group Meeting in 2021 (WG2021) recommends the twenty-third Session of the Intergovernmental Meeting (IG23) on the Acid Deposition Monitoring Network in East Asia (EANET) to make its decisions, including the following elements:

1. Recalling the mandate given by the 22nd Session of the Intergovernmental Meeting (IG22) of the EANET regarding the expansion scope of EANET.

Therefore, the Working Group recommends the IG23 to:

- a. Discuss, consider, and finalize the text Draft Supplementary Document (Annex) to EANET Instrument for the purpose of national procedures to approve, as appropriate.
- b. Discuss, consider, and approve the revision of the Medium Term Plan for the EANET (MTP) (2021-2025), aiming to add relevant information related to the expansion scope of the EANET Instrument to the document following the discussion at the Working Group Meetings in 2021, subject to the approval of the Draft Supplementary Document (Annex) to EANET Instrument.
- c. Task the Secretariat and the NC to take the necessary actions, including organizing the Working Group Meetings in 2022, as a follow-up from sub-paragraph (a) as instructed by the IG23.

2. Recalling the mandate given by the IG22 regarding the Medium Term Plan for the EANET (2021-2025).

Therefore, the Working Group recommends the IG23 to:

- a. Discuss, consider and approve the Revision of the MTP (2021-2025), the Revision of Guidelines on the Administrative and Financial Management for the Secretariat, and the Network Center for the EANET and Work Programme and Budget in 2022 (WP&B 2022) that were prepared through discussions at the Working Group Meeting sessions and relevant follow-up discussions, as appropriate, with the common understanding:
 1. Core Activities specified in the Draft MTP (2021-2025) are in line with the current scope and agreed expanded scope of the Instrument and consist of activities that all Participating Countries consider indispensable priority and essential for achieving EANET objectives, and beneficial for all Participating Countries directly and indirectly.
 2. Non-Core Activities described in the WP&B 2022 were recommended by the Working Group Session and follow-up process before IG23 that reflect Participating Countries' priorities and interests, ready to implement in 2022 once necessary budget to each activity is secured.
 3. Encourage Participating Countries to provide their voluntary contributions to the Core Budget to fully operationalize the Core Activities specified in WP&B 2022

and continue to provide their voluntary contributions to the Core Budget for the MTP (2021-2025).

- b. Discuss, consider, and adopt the final Draft EANET Project Fund and Project Guideline as appropriate, which may take effect immediately following the decision of IG23, with the common understanding:
 1. The EANET Project Fund and Project Guideline will be implemented as a transition period for one or two years following the approval of IG23.
 2. During the transition period, the proposed Non-Core activities (Project Activities) to be implemented in 2022 will be selected through a similar process as in 2021.
 3. The implementation of full project proposal submission for Project Activities will be implemented in 2022 following the decision of IG23.
 4. The proposal to designate ACAP as Project Fund Holder during the transition period (for one or two years) is approved by the IG23.
- c. Encourage Participating Countries to express the pledge to provide additional voluntary contributions, including in-kind contributions to the Non-Core Activities and EANET Project Fund, to secure necessary resources to implement Non-Core Activities specified in WP&B 2022, and the idea of Non-Core Activities received by 10 September 2021.
- d. Task the Secretariat and the NC to organize the Working Group Meeting[s] after IG23 to discuss and prepare relevant documents defined in sub-paragraphs (a and b).
- e. As the Summary of the Twentieth Anniversary of the EANET will be launched during the IG23 meeting and going to be used as an outreach material at the side event of IG23, WG2021 recommend IG23 to discuss, consider and endorse the final Summary of the Twentieth Anniversary of the EANET, subject to the approval of all participating countries. The first day of IG23 is preferred to endorse the final Summary prepared by the SAC.