Continued Working Group Meeting in 2021 Session 2 (WG2021-2)
the Acid Deposition Monitoring Network in East Asia
2 November 2021, Virtual Meeting

CONSOLIDATED PRELIMINARY FOURTH DRAFT TEXT FOR THE SUPPLEMENTARY DOCUMENT (ANNEX) TO THE INSTRUMENT FOR STRENGTHENING THE ACID DEPOSITION MONITORING NETWORK IN EAST ASIA (EANET)

I. INTRODUCTION

1. This report provides the proposed revision to the third revision of the draft text for the Supplementary Document (Annex) to EANET Instrument submitted to the Continued Session of the Working Group Meeting in 2021 (WG2021-2). It has been prepared by following the discussions at the WG2021-1 and WG2021-2, comments from Participating Countries, "Proposed Next Steps after the Twenty-second Session of the Intergovernmental Meeting (IG22) on Acid Deposition Monitoring Network in East Asia (EANET)" (EANET/IG 22/10) and "Decisions of IG22".

2. At the WG2021-2 in August 2021, the Session commented on the Second Revision of the Draft Text for the Supplementary Document (Annex) to EANET Instrument submitted to the Meeting. Furthermore, the Session requested the Secretariat to prepare the Third Draft document based on inputs received at the meeting. In addition, the Friends of the Chair Meeting was proposed to be organized after the WG2021-2 to discuss inputs for the Third Draft informally.

3. On 14 September 2021, the Chair of WG2021-2, Ms. Siwaporn Rungsiyanon (Thailand), convened the Friends of the Chair Meeting in order to discuss the draft text and help the Participating Countries in reaching a common understanding of the content of the draft text. Some Participating Countries, among others Japan, Myanmar, Philippines, Russia, and Thailand, attended the meeting. In addition, China attended the meeting as an observer.

4. Following the Friends of Chair Meeting, the Third Revision of Draft Text for Supplementary Document (Annex) to EANET the Instrument for Strengthening the Acid Deposition Monitoring Network in East Asia (EANET)" was circulated by the Secretariat to the National Focal Points in September 2021 for review and comments. Subsequently, the Secretariat received comments from three Participating Countries, namely Japan, China, and Malaysia.

5. The Preliminary Fourth Draft Text for Supplementary Document (Annex) to EANET the Instrument for Strengthening the Acid Deposition Monitoring Network in East Asia (EANET) had been submitted to the SAC21 Meeting held from 26-28 October 2021. The SAC21 made several comments on the draft from scientific and technical viewpoints. Based on the received comments, the Preliminary Fourth Draft Text for Supplementary Document (Annex) to EANET the Instrument for Strengthening the Acid Deposition Monitoring Network in East

Asia (EANET) was prepared to accommodate the views of the Participating Countries. The comments of SAC are presented as **Annex 1** of this Report.

6. By the deadline of submitting comments/ suggestions to Preliminary Fourth Draft (29 October 2021), two countries, namely China and Japan, submitted their comments/ suggestions. They have been consolidated in this version of the draft document. The Consolidated Preliminary Fourth Draft Text for Supplementary Document (Annex) to the Instrument for Strengthening the Acid Deposition Monitoring Network in East Asia (EANET) is presented in this Report's Attachment.

II. ACTIONS REQUIRED

7. The Continued WG2021-2 is invited to review "Consolidated Preliminary Fourth Draft Text for Supplementary Document (Annex) to the Instrument for Strengthening the Acid Deposition Monitoring Network in East Asia (EANET)" and may wish to consider, discuss, provide guidance, and make recommendations to the IG23.

ATTACHMENT

CONSOLIDATED PRELIMINARY FOURTH DRAFT TEXT FOR THE SUPPLEMENTARY DOCUMENT (ANNEX) TO THE INSTRUMENT FOR STRENGTHENING THE ACID DEPOSITION MONITORING NETWORK IN EAST ASIA (EANET)

PREAMBLE

Commented [TH1]: There was proposal to shorten the Preamble from the one proposed in the Third draft, as shown here.

The Participating Countries to the Instrument for Strengthening the Acid Deposition Monitoring Network in East Asia (EANET);

~~*[Recognizing the negative effects of atmospheric environment pollutants and impacts of these harmful substances;]*~~

~~*[Aligning with the achievement of Sustainable Development Goal 3 and UNEA resolution 1/7 of 24 June 2014 and UNEA resolution 3/8 of 6 December 2017; and]*~~

Having agreed at [*the 23rd Intergovernmental Meeting Session of EANET*] [~~*the 23rd Intergovernmental Meeting Session of EANET*~~], to extend the scope of EANET in accordance with Item 2 of its Instrument as follows:

ITEM 1

For the purposes of this Annex:

1. "Instrument" means the Instrument for Strengthening the Acid Deposition Monitoring Network in East Asia (EANET).
2. "Participating Countries" means, unless the text otherwise indicates, Participating Countries to the Instrument.
3. "Secretariat" means the Secretariat of the Instrument, and "Network Center" means the Network Center of the Instrument".
4. "IG" means the Intergovernmental Meeting established by Item 10 of the Instrument.
5. [*"Atmospheric environment related substances" refer to the substances listed in the Attachment to this Annex.*]

Commented [TH2]: Alternative: to keep this text only

ITEM 2

1. The categories of atmospheric environment related substances and areas of work to be covered in accordance with this Annex are set out in the Attachment and address the extended scope of the Instrument.
2. Actual activities for the [~~*additional*~~] [~~*extended*~~] [*extended*] scope shall be identified by and implemented pursuant to a decision of the IG that shall be adopted by consensus.
3. Funding of activities of the [~~*extended*~~] [*extended*] scope under the Annex shall be pursuant to a decision of the IG and [~~*shall be from the non-core budget unless decided differently by IG*~~].

Commented [TH3]: Alternative: to add or not add "extended"

ITEM 3

1. The provisions of Item 2 (Objectives and Scope), Item 3 (Principles), Item 4 (Monitoring and Reporting), Item 5 (Assessment), Item 6 (Research Activities), Item 8 (Public Awareness), Item 9 (Exchange of Information), Item 10 (Intergovernmental Meeting), Item 12 (Scientific Advisory Committee), and Item 13 (Network Center) of the Instrument shall apply mutatis mutandis to the Annex.
2. On monitoring and reporting (Item 4 of the Instrument), Item 4, paragraphs 1, 5, 6, and 7 shall apply mutatis mutandis to the Annex. Participating Countries can, as appropriate, decide on a discretionary basis to apply Item 4, paragraphs 2, 3, and 4, considering their respective capabilities.
3. [*On assessment (Item 5 of the Instrument), "data reports" in this Item shall be acknowledged by Participating Countries.]*
4. *[On research activities (Item 6 of the Instrument), scientific research activities related to emission inventories, modeling, and human health effects [~~can~~][shall] include only methodological research and capacity building of the research activities.]*
5. *[On Exchange of Information (Item 9 of the Instrument), support for pilot projects as well as clean air technology cooperation and transfer shall be facilitated.*]
6. Items 7 (Education and Training), 11 (Secretariat), 14 (Financial Arrangement), 15 (Revisions or Modifications), 16 (End of Participation), and 17 (Participation of other countries) of the Instrument shall apply mutatis mutandis to this Annex.
7. The tasks, roles, and responsibilities of the Secretariat and the Network Center, as well as any subsidiary bodies established under the Instrument, shall mutatis mutandis apply to the Annex.

ITEM 4

[Taking into account the assessment of the Medium-term Plan, and the necessary periodic evaluation [after discussion and approval by all Participating Countries on] [~~of~~] [of] the implementation of EANET activities discussed, considered and approved by all participating countries,], the IG can review and revise this Annex as appropriate, based on proposals from any Participating Country. *[~~taking into account the results of the periodic evaluation of the implementation of EANET activities.~~]*

ITEM 5

1. The Annex shall be effective once it has been officially adopted by IG.
2. New Participating country to the Instrument based on its ITEM 17 shall automatically participate in the Annex, as the Annex is a part of the Instrument, unless otherwise such new participating Country officially states that it will not participate in the Annex.

Commented [TH4]: Alternative text for Item 3:
[1. The provisions of Item 1 (Definition) and Item 4, paragraphs 2, 3, and 4 (Monitoring and Reporting) of the Instrument shall not apply to the Annex.]
[2. Participating Countries may, as appropriate, decide on a discretionary basis to apply Item 4, paragraphs 2, 3, and 4, considering their respective capabilities.]
[3.Notwithstanding anything to the contrary, except for Item 1 and Item 4 (paragraphs 2, 3 and 4) of the Instrument, all the provisions of Items in the Instrument shall apply mutatis mutandis to the Annex.]
[4.Participating Countries may, as appropriate, decide on a discretionary basis to apply Item 4, paragraphs 2, 3, and 4, considering their respective capabilities.]

Commented [TH5]: Proposal: to replace 'can' with 'shall'

Commented [TH6]: Alternative text for Item 4:
[Taking into account the assessment of the Medium-term Plan and the necessary periodic evaluation of the implementation of EANET activities discussed, considered and approved by all participating countries, the IG can review and revise this Annex as appropriate, based on proposals from any Participating Country.]

Commented [TH7]: Alternative text for Item 5:
[After IG adopts the Annex, the Annex will become operational on the date on which all Participating Countries have approved it, or on XX 2022 , whichever is earlier.]

ATTACHMENT: SCOPE OF EANET

Atmospheric Environment-related Substances		Item 4 Monitoring and Reporting	Item 5 Assessment	Item 6 Research Activities	Item 7 Education and Training	Item 8 Public Awareness	Item 9 Exchange of Information
SO_2		√	√	√	√	√	√
NO_X		√	√	√	√	√	√
NH_3		√	√	√	√	√	√
PM	PM2.5	√	√	√	√	√	√
	~~DSS (~~PM10~~)~~	√	√	√	√	√	√
	TSP	√	√	√	√	√	√
	[DSS*]	√	√	√	√	√	√
	PM(inorganic ions)	√	√	√	√	√	√
	PM(metallic elements)	√	√	√	√	√	√
	PM(organic aerosols)	-	-	√	√	√	√
Precipitation Chemistry (ions, pH, EC)		√	√	√	√	√	√
~~[Tropospheric]~~ [Surface] Ozone		√	√	√	√	√	√
CO		-	-	√	√	√	√
VOCs		-	-	√	√	√	√
~~[(P) CH_4]~~		-	-	~~X~~	~~X~~	~~X~~	~~X~~
~~[(P) Black carbon]~~		-	-	~~X~~	~~X~~	~~X~~	~~X~~

Legend of the symbols of the Attachment:

[√: Applicable (including Partly Applicable, depending on Participating Countries' respective capabilities)]

[-: Not applicable]

[*Note: Dust and Sand Storms(DSS) are suspended dust and sand caused by dust and sandstorms.]

Commented [TH8]: The use the word 'the scope' since it indicates the overall scope of EANET

Commented [TH9]: PM could include Black Carbon

Commented [TH10]: VOCs could include CH4

Commented [TH11]: Alternative legend:
[√: Activities [can be /are] in the scope
-: Activities are out of the scope]

Commented [TH12]: There is a proposal to combine both applicable and partly applicable as shown in this table.

Annex 1

Comments/ Suggestions made by the 21st Session of the Scientific Advisory Committee Meeting (SAC21) on the Preliminary Fourth Draft Text for Supplementary Document (Annex) to the Instrument for Strengthening the Acid Deposition Monitoring Network in East Asia (EANET)

Major discussion included:

- Some comments were addressed on the necessity of preambles and possible modification of Item 5.
- It was pointed out that different types of PM, including PM2.5, DSS (PM10), TSP, and PM components, should be included in the scope.
- It was suggested that GHGs and species related to climate change, including CH4 and BC, should not be included as new items because they are not priority air pollutants.
- NC clarified that methane has a function in controlling atmospheric OH radicals and ozone concentration levels, and therefore, methane would be closely related to air pollution.
- NC suggested that NMVOC be changed into VOCs to include methane.
- It was suggested that elemental carbon and organic carbon could be included as targets of PM. BC, as SLCP, should be added. The adding of the scope is to address related air pollution problems which may bring co-benefits to reduce climate substance, rather than to expand to GHG.
- It was suggested that the definition of research activities in the attachment table was too narrow. Therefore, it should not be narrowed down from original activities.
- On Item 3, it was suggested that “and research activities should be added after “data reports” in paragraph 2 of Item 5 of the Instrument because the research activities should be used to get more scientific assessments.
- It was suggested that “ozone” should be shown in the table because “atmospheric environment-related substances” are defined as chemical substances, and all the monitoring items have been monitored at the surface. In the note, “surface” ozone or “tropospheric” ozone could be added.
- A concern was raised that not many countries have the available infrastructure for tropospheric ozone measurements.
- The Continued Working Group Meeting Session 2, to be held on 2 November 2021, will discuss further the comments shared by the SAC members.