



Agenda Item 8 – Preliminary Fourth Draft Supplementary Document (Annex) to EANET Instrument

**Twenty-first Session of the Scientific Advisory Committee (SAC21) on
the Acid Deposition Monitoring Network in East Asia**

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 Working Group Meeting in 2021 Session 2 (WG2021-2). It is prepared by following the discussion 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”.
- The WG2021-2 made several comments to the Revision of the Draft Text for the Supplementary Document (Annex) to EANET Instrument submitted to the Meeting (See Annex: Consolidated Comments/Proposals of Participating Countries to the Revision of the Draft Text for the Supplementary Document (Annex) to the Instrument for Strengthening the Acid Deposition Monitoring Network in East Asia (EANET) Submitted to WG2021-2 and the Responses/Actions).

I. INTRODUCTION (2)

- On 14 September 2021, the Chair of WG2021-2, Ms. Siwaporn Rungsiyanon (Thailand), convened a meeting of the Friends of the Chair in order to discuss the draft text and help the Participating Countries in reaching a common understanding. Participating Countries that registered to attend were Japan, Myanmar, Philippines, Russia, and Thailand. China indicated that they would participate as the Observer.
- 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 has received comments from three Participating Countries, namely Japan, China, and Malaysia.
- The Preliminary Fourth Draft Text for Supplementary Document (Annex) to EANET the Instrument for Strengthening the Acid Deposition Monitoring Network in East Asia (EANET)” accommodates and reflects the views of Participating Countries. The report is prepared for the discussion at the Twenty-first Session of the Scientific Advisory Committee Meeting of EANET (SAC21) and the Continued Session of the WG2021-2.

Alternative 1:

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

Having agreed to extend the scope of EANET in accordance with Item 2 of its Instrument as follows:

Alternative 2:

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

Recognizing the effects of atmospheric environment pollutants and severe environmental, economic, and social impacts of these harmful substances;

Aligning with the achievement of Sustainable Development Goal 3 and United Nations Environment Assembly (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, to extend the scope of EANET in accordance with Item 2 of its Instrument as follows:

ITEM 1

Alternative 1: to retain all text as Third Draft

Alternative 2: to follow the suggestion of Malaysia to include only:

“Atmospheric environment related substances” refer to the substances listed in the Attachment to this Annex”

ITEM 2

Alternative 1:

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 scope of the Instrument.
2. Actual activities for the 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 scope under the Annex shall be pursuant to a decision of the IG

Alternative 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 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 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 the IG
-

ITEM 3 (1)

Alternative 1:

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 assessment (Item 5 of the Instrument), “data reports” in this Item shall be acknowledged by participating countries.
3. On research activities (Item 6 of the Instrument), scientific research activities related to emission inventories, modeling, and human health effects can include only methodological research and capacity building of the research activities.
4. 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. Activities can include promotion and cooperation of exchange information including scientific, technical, socio-economic, legal information as well as information on policy and administrative measures.
5. 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.
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 3 (2)

Alternative 2 (Malaysia Proposal) (to be confirmed to by Malaysia):

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.

ITEM 4

Alternative 1: to retain as third draft text, *“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.”*

Alternative 2:

“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”

ITEM 5 (new proposal of Japan)

1. *The Annex shall be effective once IG has adopted it.*
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.*

ATTACHMENT (to be further discussed by SAC21) -1

China

Notes: China's consideration: After consulting with experts, we are informed that CH₄ is not the most important precursors of Oxidants and PMs. We need to focus on the priority substances contributing to PMs at current stage and gradually expand to other substances later on. We suggest not including CH₄ into the expanded scope of EANET at current stage. Furthermore, CH₄ is more treated as GHG rather than air pollutant. China's consideration: Regarding to Black Carbon, it is not the priority substance we conduct control and management, we suggest not including Black Carbon at current stage. It can be considered in the future. The expansion 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.

Atmospheric environment related substances		Item 4 Monitoring and Reporting	Item 5 Assessm ent	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	√	√	*	√	√	√
	PM(inorganic ions)	√	√	*	√	√	√
	PM(metallic elements, and organic aerosols)	-	-	*	√	√	√
Precipitation Chemistry (ions, pH, EC)		√	√	*	√	√	√
Tropospheric Surface Ozone		√	√	*	√	√	√
CO		-	-	*	√	√	√
NMVOC		-	-	*	√	√	√
(P)-CH ₄		-	-	✗	✗	✗	✗
(P)-Black carbon		-	-	✗	✗	✗	✗

Legend of the symbols of the Attachment:

√: ~~The scope has already been covered by the Instrument : The expanded scope as defined by this Annex~~

-: Not applicable *: Partly Applicable Notes for the Attachment The inclusion of CH₄ and black carbon should be further discussed by the SAC21 and continued WG2021-2\

Surface ozone: China's consideration: after consulting with experts, they suggest using surface ozone for it is the target substance for control in most countries and data is easy to obtain. While tropospheric ozone monitoring is beyond the capacity of many countries.

ATTACHMENT (to be further discussed by SAC21) -2

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	*	*	*	*	*	*
Precipitation Chemistry (ions, pH, EC)	*	*	*	*	*	*
Tropospheric (Surface) Ozone	*	*	*	*	*	*
CO	-	-	*	*	*	*
(P) VOCs	-	-	*	*	*	*
(P) Black carbon	-	-	*	*	*	*

JAPAN

Legend of the symbols of the Attachment: *: The **extended scope** -: Not applicable

Notes for the Attachment: 1) The relevant rows for PM have now been integrated. PM (mass) can include suspended dust and sand caused by 'Dust and Sandstorms'. 2) For the time being, under Item 6 - Research Activities, scientific research activities related to emission inventories, modeling, and human health effects can include only methodological research and capacity building of the research activities. 3) The inclusion of CH₄ and black carbon should be further discussed by the SAC21 and continued WG2021-2. At WG2021-2, it was clarified that in the Attachment, CO, VOCs, CH₄ monitoring 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.

VOCs: Taking into account of some countries' concern on CH₄ as GHG, Japan would like to suggest that CH₄ shall be deleted as separate target substance. Instead, we would like to suggest that changing "NMVOC" to "VOCs" which can include CH₄ implicitly as precursors of Ozone

Extended scope: As mentioned in Item 2, Japan propose that the term "extended scope" should be used as a meaning of combining the current scope and additional scope. No need to separate the current scope and the additional scope.

ATTACHMENT (to be further discussed by SAC21) - 3

Malaysia

Notes:

1. For clarity and consistency purposes, Malaysia proposes the insertion of the word “extended” to reflect that the Attachment refers to the extended scope of the Instrument as provided in paragraph 1 of Item 2 of the Annex.
2. Participating countries has the right to remain and to exchange limited information (participating country shall exchange information) due to their confidentiality and the restriction according to national/ domestic law (Subject to data security and approval by relevant stakeholder within the country).
3. Malaysia prefers the Scope Table as proposed by Japan.

Actions Required

The SAC21 is invited to review this report, “**Revision of the Draft Text for Supplementary Document (Annex) to EANET Instrument**” from scientific and technical viewpoints, and may wish to consider, discuss, provide guidance, and make recommendations to the Twenty-third Session of the Intergovernmental Meeting (IG23) on EANET in November 2021 for its review, guidance, and approval, as appropriate. particularly to review the **Attachment table** related to the relevance of the atmospheric environment related substances.

Thank you



Secretariat for the EANET
UN Environment Programme for Asia Pacific
eanetsecretariat@un.org
www.eanet.asia
www.unenvironment.org
