

ACID DEPOSITION MONITORING NETWORK OF EAST ASIA

**Terminal Review of the
Medium-Term Plan 2016-2020**

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OBJECTIVES OF THE MTP

1: Monitoring of Acid Deposition

2: Strengthening Current Monitoring

3: Promotion of Activities Other than Monitoring

4: Providing Policy Relevant

5: Promotion of Public Awareness

6: Enhancement of Intergovernmental Cooperation

7: Enhancement of Cooperation and Collaboration

OBJECTIVES OF THE TERMINAL REVIEW

Two primary objectives:

1. To provide evidence of results to meet accountability requirements; and
2. To promote operational improvement, learning and knowledge sharing based on results and lessons learned for EANET



METHODOLOGY OF THE TERMINAL REVIEW

- Desk review of key documents.
- Interviews with key resource persons (i.e., UNEP, EANET Secretariat, Network Center, National Focal Points, SAC members, and EANET partners).
- Online survey among the SAC members and National Focal Points.



IMPLEMENTATION OF MTR RECOMMENDATIONS (2019-2020)

RECOMMENDATIONS 1-7 – to improve implementation of activities

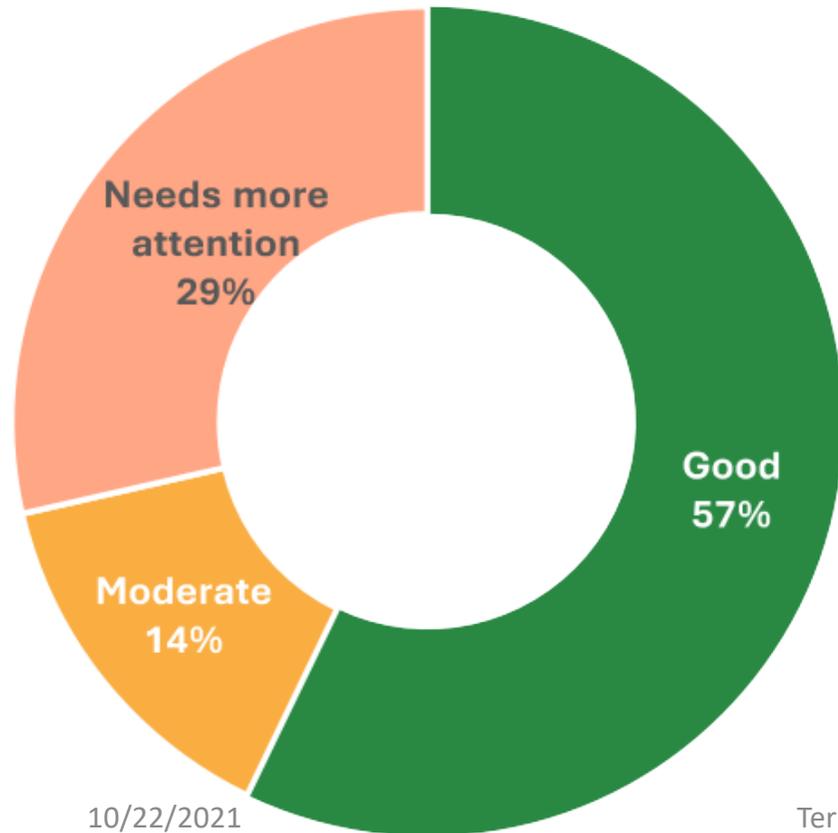
1. Encourage PCs to make voluntary financial contribution on time and in accordance with the approved annual Work Programme and Budget.
2. Secretariat and NC to continue developing strategies and action plans for obtaining external funds.
3. Secretariat and NC to enhance support to PCs through capacity building, technical support and research activities, especially on monitoring O3 and PM2.5.
4. NC to promote/encourage the establishment of new monitoring sites, especially for O3 and PM2.5.
5. NC to promote activities on emission inventory and modeling.
6. Secretariat and NC to enhance public awareness through knowledge dissemination and outreach to local communities and policy makers.
7. NC to prepare EANET data on-demand system.

SURVEY RESULTS INDICATED THAT PROGRESS WAS MOSTLY GOOD OR MODERATE IN ALL AREAS.

IMPLEMENTATION OF MTR RECOMMENDATIONS (SURVEY)

Recommendation no. 2

The Secretariat and the NC to continue developing strategies and action plans for obtaining external funds from international organizations or donor agencies.



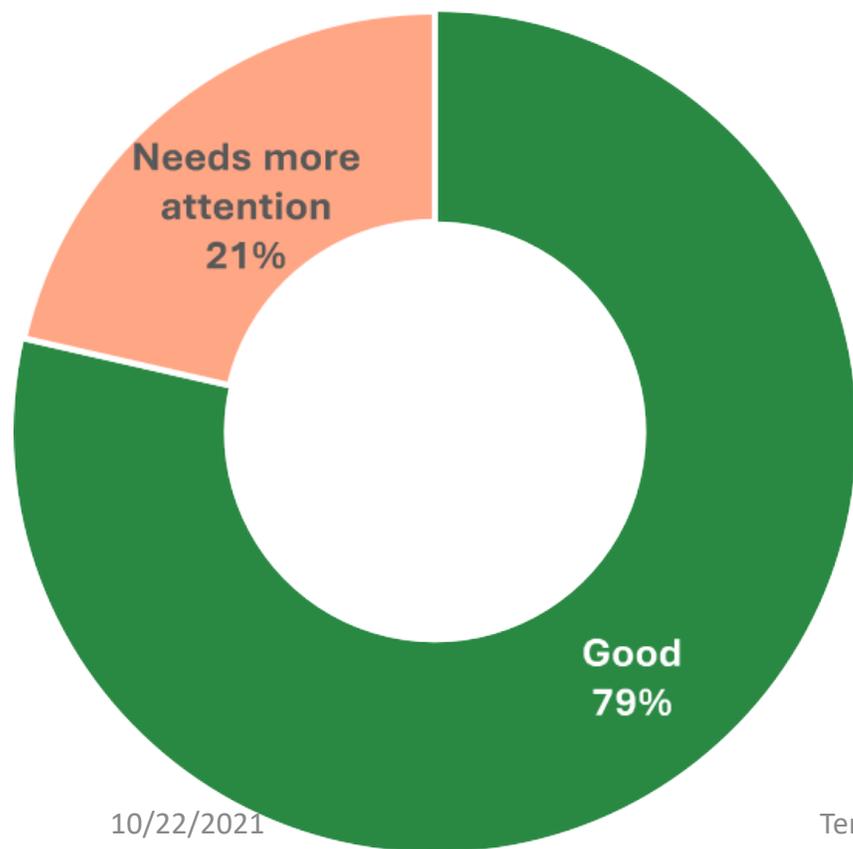
Status/achievement

- More than two-thirds of the respondents recognize that progress in this area has been good or at least moderate. The expansion of the scope of the EANET Instrument may open possibilities to obtain external funds.
- Nearly 30% of respondents feel that more attention is needed in this area. It may reflect respondents' desire to see EANET's external funding strategy move from the stage of planning and preparation to approval and implementation.

IMPLEMENTATION OF MTR RECOMMENDATIONS (SURVEY)

Recommendation no. 3

The Secretariat and the NC to enhance support to Participating Countries through capacity building, technical support, and research activities for important activities for the development of the EANET, especially on monitoring of O3 and PM2.5.



Status/achievement

- During the period under review, the NC continued to conduct in-person capacity-building activities and research and training programs.
- Training activities have been conducted remotely due to the COVID-19 pandemic. This has posed challenges in terms of limited language/translation for participants and lack of laboratory training for researchers. There has also been a decrease in participation in training during the pandemic. This may account for the small percentage of respondents who feel that more attention is needed in this area.



IMPLEMENTATION OF MTR RECOMMENDATIONS (2019-2020)

RECOMMENDATIONS NO. 8-14 – to improve achievement of MTP objectives

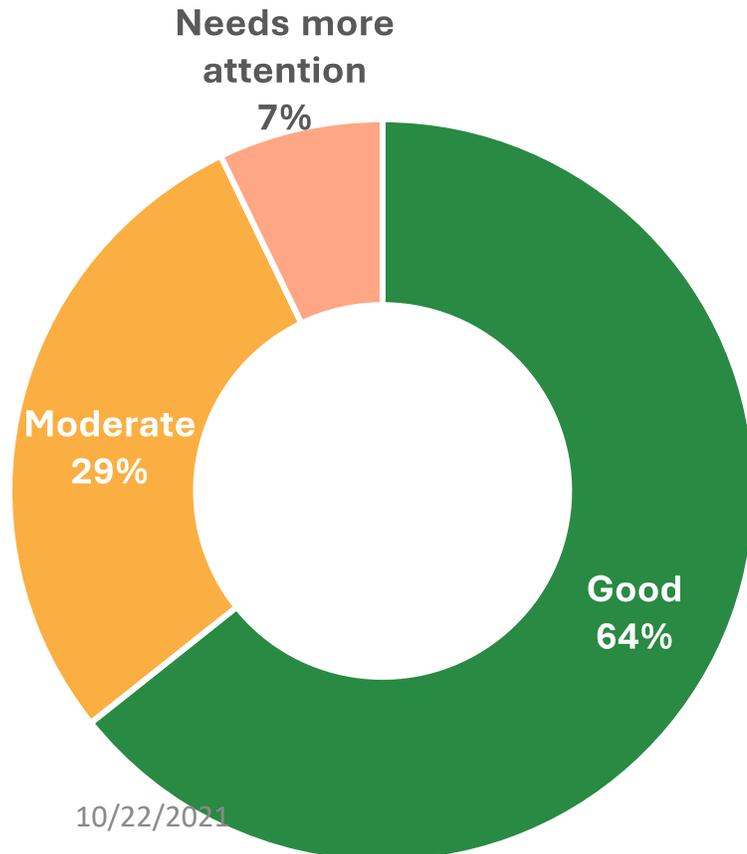
8. In the near term, continue to concentrate on acid deposition. Increasing the number of target substances to include O₃ and PM_{2.5} may be a longer-term objective.
9. NC should strengthen capacity for training on monitoring of O₃ and PM_{2.5}.
10. (a) Strengthen promotion of information exchange on clean air technologies, emission inventories, and research activities; (b) information exchange program should also depend on countries' interests and major air pollution issues
11. (a) Formulate policy recommendations based on analysis of monitoring data, (b) upgrade website, and (c) provide summary report for policymakers.
12. Enhance public awareness through knowledge dissemination and outreach to local communities and policy makers.
13. Encourage more active participation from developing countries.
14. (a) technical mission dispatch to PCs should be enhanced to fulfill the EANET objectives, and (b) more attention is needed to develop collaboration with other air-related mechanisms in the Asian region

SURVEY RESULTS INDICATED THAT PROGRESS WAS MOSTLY GOOD OR MODERATE IN ALL AREAS.

IMPLEMENTATION OF MTR RECOMMENDATIONS (SURVEY)

Recommendation no. 10a

Promotion of information exchange on clean air technologies, emission inventories, and research activities should be strengthened. More focus needs to be given to developing the monitoring capacity and Network in developing countries.



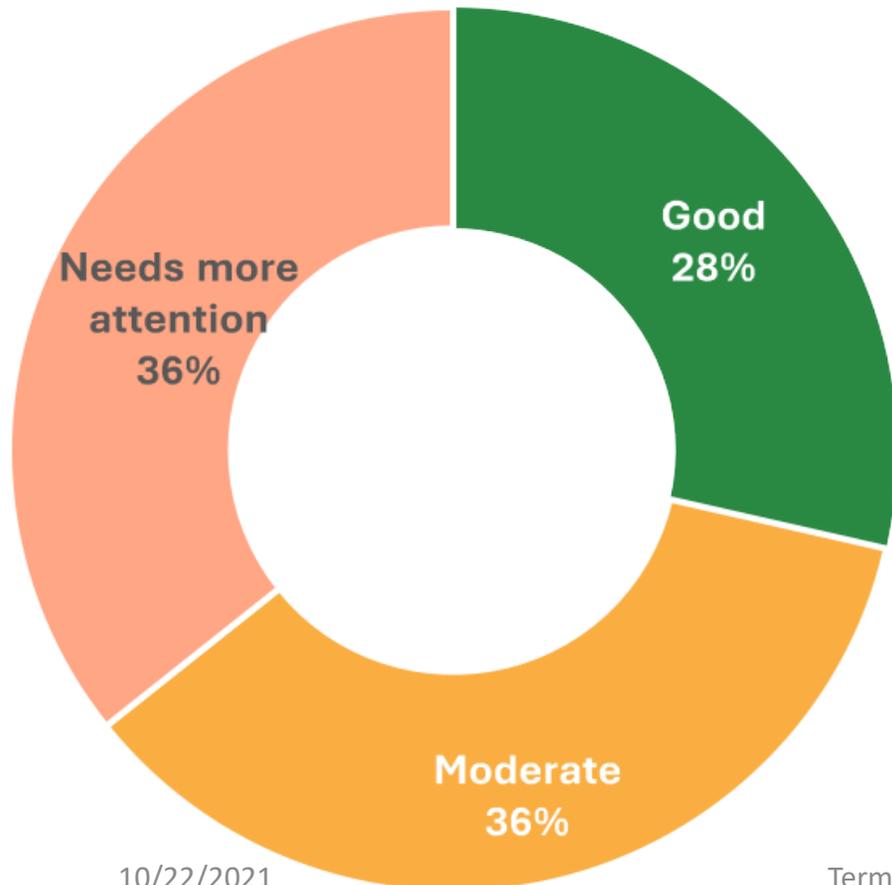
Status/achievement

- Clean Air Technology Workshop (Dec 2018)
 - Emissions inventory training Workshop (2017)
 - Publication of 7 scientific papers
 - 7 conference presentations
- Many activities were implemented to develop the monitoring capacity and Network in developing countries. Unfortunately, the participation of developing countries in the fellowship research program was negatively affected during 2020 due to COVID-19.

IMPLEMENTATION OF MTR RECOMMENDATIONS (SURVEY)

Recommendation no. 11a

More policy formulation related recommendation should be made based on the monitoring data that has been analyzed.



Status/achievement

- The EANET website was successfully revamped in 2019, including improvements on monitoring data webpage, reports, publication, technical guidance documents and EANET research portal are now easily accessible and user friendly.
- In interviews, some expressed that while access to data and information is easy, data and information could be made more useful for policy development by simplifying its presentation and making recommendations that are more specific for individual countries' unique circumstances.



IMPLEMENTATION OF MTR RECOMMENDATIONS (2019-2020) RECOMMENDATIONS NOS. 15-21 – to strengthen EANET

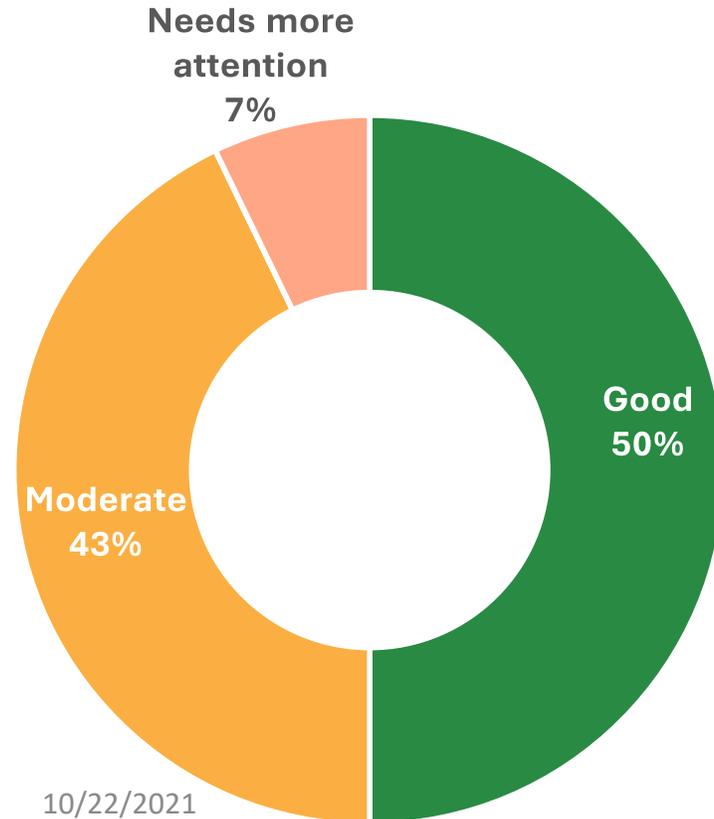
15. Use long-term monitoring data and explore the potential assessment of impacts due to exposure to acid deposition.
16. Focus more on solutions to acidification and other air pollutants related to adverse effects.
17. Share activities and messages with a broader audience through a regional platform.
18. Enhance engagement with APCAP; ACAP (as EANET NC) representative could be involved in APCAP Science Panel.
19. Enhance collaboration with scientific programs of CLRTAP.
20. Enhance synergy with APCAP through: (a) support for measurement/monitoring of air quality improvement, (b) development of Joint Policy Briefs, and (c) continue sharing of information and participation in APCAP and EANET activities.
21. Review available methods and knowledge on monitoring, modeling, emission estimates, and effects assessments

SURVEY RESULTS INDICATED THAT PROGRESS WAS MOSTLY GOOD OR MODERATE IN ALL AREAS.

IMPLEMENTATION OF MTR RECOMMENDATIONS (SURVEY)

Recommendations no. 17

EANET should consider sharing its activities and messages with a broader audience in the regional platform to enhance intergovernmental collaboration actively. In this regard, APCAP could be considered one of the regional (Asia Pacific) platforms for EANET.



10/22/2021

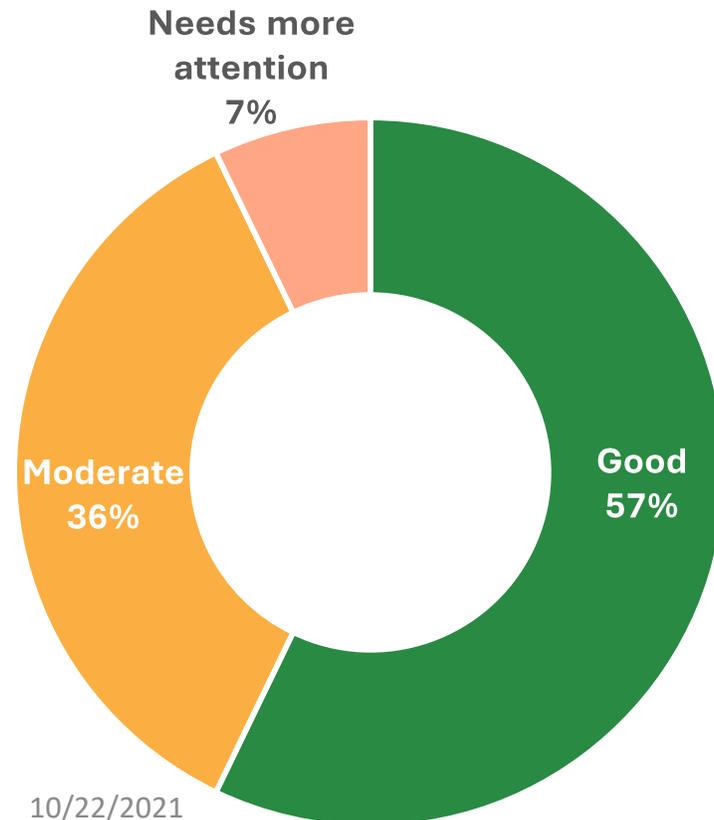
Status/achievement

- APCAP and EANET have collaborated well on a regional Awareness Forum and national Awareness Workshops in Malaysia and Myanmar; EANET updates have been shared through APCAP's Joint Forum in 2018.
- A representative of the NC also participated in APCAP's first science panel meeting.
- Plans for EANET to support monitoring of air quality improvement due to policy implementation and plans to develop joint policy briefs by the APCAP Science Panel and EANET SAC, are contingent on IG23's approval of the expansion of the Networks scope.

IMPLEMENTATION OF MTR RECOMMENDATIONS (SURVEY)

Recommendations no. 19

Current enhancement collaboration between EANET and the scientific programs of CLRTAP (EMEP and the Working Group on Effects) is recommended. To do so, common work plan items should be jointly developed.



Status/achievement

- Nearly all respondents expressed the view that progress had been good or moderate in this area.
- However, the terminal review found little evidence to support this finding of the survey. It was advised by UNECE, as Secretariat of CLRTAP, that no common work plan between EANET and EMEP/WGE has been developed. Only some informal exchanges and interactions have occurred under EMEP's Task Force on Hemispheric Transport of Air Pollution and ICP Vegetation. UNECE has no knowledge of any requests by EANET for information on EMEP's methods or knowledge on emission inventories, monitoring, or modelling.

FUNDING SOURCES 2011-2020

	Budget	Actual expenditure (Actual revenue) – in thousand USD									
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Secretariat	Regular Budget	411.9 (371.8)	338.2 (385.5)	361.5 (409.1)	394.6 (364.7)	189.6 (400.7)	266.6 (600.6)	422 (606.7) ²	554 (606.8) ²	680.6 (603.2) ²	NA
	Core Budget	407.2 (433.4)	398.4 (418.6)	399.9 (413.6)	396.1 (394.5)	407.4 (393.2)	427.0 (393.3)	361.1 (328.1)	340.8 (351.1)	396.0 (397.0)	NA
NC	Additional Budget	703.5 (704.9)	636.6 (654.5)	522.5 (539.8)	539.5 (635.8)	440.9 (604.7)	430.6 (452.3)	449.6 (496.0)	558.1 (570.2)	580.6 (577.1)	NA

Note:

1. The actual/expected amount from voluntary financial contributions from the participating countries and other organizations is in brackets.

2. Include in-kind contribution of China as much as USD 106,000 (not part of contribution to EANET Secretariat Core budget)

FINANCIAL CONTRIBUTIONS 2019

Contributions to EANET
Secretariat budget

USD 479,275

Contributions to NC budget

Core funds: USD 396,000

Additional: USD 580,600

(Additional funds sourced from
MOE-Japan, APAC, and others)



CONCLUSIONS

- Significant progress has been made by the Secretariat, the NC and the participating countries during the period January 2016 to December 2020.
- Survey results indicated good or moderate progress has also been made towards implementing the recommendations of the MTR report.
- Implementation of capacity building and technical assistance activities has been robust throughout the period under review and even despite a shift to virtual connections during the pandemic.
- The TR found that engagement with APCAP is progressing well, although similar progress in engagement with EMEP has not yet been seen.



CONCLUSIONS

- Funding appears to be significant obstacle to the implementation of the activities. It is essential that voluntary financial contributions from the Participating Countries be provided on time and in accordance with UN scale assessment.
- Good progress has been made towards expansion of scope of the EANET Instrument and creating a project funding mechanism that would enable the Network to mobilize extrabudgetary resources and this reform will be considered for approval by IG23, as appropriate.
- The MTR recommendation on using the long-term monitoring data to explore impacts due to exposure to acid deposition and air pollutants and to focus on solutions to acidification and other air pollutant related adverse effects are reflected in the logic of amending the EANET instrument and expanding the scope of the Network.



CONCLUSIONS

- The revamped EANET website and on-demand data management system and research portal, was a significant achievement which will strengthen the Network's ability to share scientific data, information, and technical guidance with the scientific community.
- The ongoing issuance of EANET newsletters is also a basic element of the Network's communication programme which should be continued.
- Although the Network is performing well in terms of sharing scientific data and information with the scientific community, the TR found some concern among PCs that the nature of scientific data and information may not be suitable for consumption by policy makers and others beyond the scientific community. EANET could benefit from a more comprehensive communications strategy.



RECOMMENDATIONS OF THE TERMINAL REVIEW

- **TR Recommendation no. 1:** The Secretariat should continue its practice of officially encouraging Participating Countries to make voluntary financial contributions on time and in accordance with the amount for each Participating Country presented in EANET's approved annual Work Programme and Budget.
- **TR Recommendation no. 2:** IG23 should consider the recommendations of the Working Groups to expand the scope of the EANET Instrument and consider approving the Project Fund and Project Guideline, which, together, would enable the Network to receive external funds and implement activities to address wider air pollution problems.



RECOMMENDATIONS OF THE TERMINAL REVIEW

- **TR Recommendation no. 3:** The Secretariat and NC should continue to support Participating Countries in capacity building, technical support, and research activities, in line with EANET's approved work plan and budget.
- **TR Recommendation no. 4:** The NC should continue to promote the establishment of new monitoring sites, especially for ozone and PM2.5, through training and technical assistance.
- **TR Recommendation no. 5:** The Network should continue to promote information exchange on clean air technologies, emissions inventories, and research activities. It should continue to develop monitoring capacity and the Network in developing countries.



RECOMMENDATIONS OF THE TERMINAL REVIEW

- **TR Recommendation no. 6:** Efforts should be made to involve research fellows and others from Participating Countries to write and publish scientific papers.
- **TR Recommendation no. 7:** The NC should continue to promote the development of emissions inventories through virtual training and technical assistance, at least until health-related travel restrictions are lifted, and in-person activities can safely resume.
- **TR Recommendation no. 8:** In line with EANET's expanding scope, the NC should initiate activities on modelling emissions, particularly through training and technical assistance.



RECOMMENDATIONS OF THE TERMINAL REVIEW

- **TR Recommendation no. 9:** EANET should develop and implement a comprehensive communications strategy targeted at policymakers and at the audiences that can influence policy makers (i.e., general public, allied professionals in disciplines such as health, economics and public administration).

The EANET website, including its on-demand data management system and research portal, should be regularly maintained on an ongoing basis and users' access to the data should be monitored and periodically evaluated.

- **TR Recommendation no. 10:** The Secretariat should continue to ensure the participation of all Participating Countries at all EANET meetings and ensure the same opportunity for the delegates to speak at the meeting.



RECOMMENDATIONS OF THE TERMINAL REVIEW

- **TR Recommendation no. 11:** EANET and APCAP should continue to share information and to collaborate in awareness-raising activities, including workshops and information dissemination; collaboration should be strengthened in the areas of scientific analysis, capacity building, monitoring of air pollution parameters, and development of policy recommendations.
- **TR Recommendation no. 12:** Assuming that IG23 approves the expansion of EANET's scope, a continued collaboration between SAC and APCAP's Science Panel should be strengthened.
- **TR Recommendation no. 13:** The Network should re-double its efforts to collaborate with other air-related mechanisms in the Asian region such as LTP, BAQ (Better Air Quality in Asia), and others.



RECOMMENDATIONS OF THE TERMINAL REVIEW

- **TR Recommendation no. 14:** EANET should formally collaborate with EMEP/WGE through CLRTAP's recently launched forum for international cooperation on air pollution.
- **TR Recommendation no. 15:** In line with the anticipated expansion of EANET's scope to include air pollution monitoring, and by following the recommendations made by the Participating Countries, the Network should make a greater effort to strengthen research capacity on health effects of air pollution in the region.
- **TR Recommendation no. 16:** EANET should continue to encourage more research linking acid deposition with related air pollution issues to find solutions to new environmental challenges.

Thank you for your attention

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