

The Twenty-first Session of the Intergovernmental Meeting
on the Acid Deposition Monitoring Network in East Asia
12-13 November 2019, Beijing, China

REPORT OF THE SESSION

I. INTRODUCTION

1. The Intergovernmental Meeting (IG) on the Acid Deposition Monitoring Network in East Asia (EANET) held its Twenty-first Session (IG21) in Beijing, China, on 12-13 November 2019.
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 Session. Representatives of United Nations Environment Programme (UNEP); the Secretariat and Asia Center for Air Pollution Research (ACAP), the Network Center (NC) for the EANET; Regional Resource Centre for Asia and the Pacific, Asian Institute of Technology (RRC.AP/AIT) attended the Session. The List of Participants is attached to this Report as Annex.

II. OPENING OF THE SESSION (AGENDA ITEM 1)

3. Mr. Zhao Yingmin, Vice Minister, Ministry of Ecology and Environment, People's Republic of China, delivered the opening remarks. He welcomed all representatives of the participating countries. He mentioned that China has been focusing on the solution of air pollution, including acid deposition, as a priority area for improving people's livelihood. He shared three suggestions for the EANET, namely (1) jointly improve regional and global environmental quality using the successful experience of China in the treatment of acid rain and air pollution. The Government of China is willing to exchange and share practical experiences with other countries; (2) coordinate efforts to promote regional environmental cooperation and synergy; (3) strengthen cooperation and jointly build and share the green "Belt and Road Initiative" to jointly promote environmental quality of all countries in the region. He informed the Session that China has successfully reduced acid rain deposition area by 50 percent compared with 2013, and PM2.5 by 45 percent.
4. Dr. Dechen Tsering, Regional Director and Representative for Asia and the Pacific, UN Environment, delivered the welcome remarks. She mentioned that in the last two decades, EANET has been continuously working to respond to concerns from participating countries on acid deposition in the region, to provide reliable monitoring data and assessment, strengthen the capacity of relevant officers and policy makers through training, research, awareness forums, and dissemination of communication products. She appreciated the continued support of the participating countries to implement EANET activities. She emphasized that the IG21 Meeting is an important moment for countries to review the

mechanism of the network that could address the critical challenges of the region. She ended her remarks by mentioning that the Fourth United Nations Environment Assembly recognized EANET's contribution to progress in the implementation of resolution 3/8 on preventing and reducing air pollution to improve air quality globally through its monitoring and assessment activities.

III. ELECTION OF OFFICERS (AGENDA ITEM 2)

5. The Session elected Mr. Zhou Jun, Deputy Director of Asian, African and Latin American Affairs Division, Department of International Cooperation, Ministry of Ecology and Environment, China, as the Chairperson, Dr. Batbayar Jadamba, Director, Environmental Monitoring Division, National Agency for Meteorology and Environmental Monitoring, Mongolia and Mr. Heng Nareth, Director General, General Directorate of Environmental Protection, Ministry of Environment, Cambodia, as the Vice-Chairpersons, and Ms. Siwaporn Rungsiyanon, Director of Transboundary Air Pollution Section, Pollution Control Department, Ministry of Natural Resources and Environment, Thailand, as the Rapporteur.

IV. ADOPTION OF THE AGENDA (AGENDA ITEM 3)

6. The Session considered and adopted the Provisional Agenda (EANET/IG 21/3/1), Annotated Provisional Agenda (EANET/IG 21/3/2), and Draft Program (EANET/IG 21/3/3) proposed by the Secretariat and the NC.

V. CONSIDERATION ON THE REPORT ON THE PROGRESS OF ACID DEPOSITION MONITORING NETWORK IN EAST ASIA (EANET) SINCE THE TWENTIETH SESSION OF THE INTERGOVERNMENTAL MEETING (IG20) ON THE EANET AND THE FINANCIAL REPORT OF THE SECRETARIAT AND THE NETWORK CENTER IN 2018 (AGENDA ITEM 4)

7. The Secretariat and the NC presented the Report on the Progress of the Acid Deposition Monitoring Network in East Asia (EANET) since the Twentieth Session of the Intergovernmental Meeting (IG20) on the EANET (EANET/IG 21/4/1) and the Financial Report of the Secretariat and the Network Center in 2018 (EANET/IG 21/4/2).
8. The key points of the presentation of the Secretariat included:
 - The Secretariat highlighted the implementation of EANET activities since IG20 managed by the Secretariat, including organization of EANET meetings (IG20, SAC19), Working Group Meeting on Preparation of Development of the Medium Term Plan (MTP) for the EANET (2021-2025), and Awareness Forum on Prevention of Air Pollution in Asia Pacific, renewal of EANET website, and development of the communication materials.

The Secretariat developed the Small-Scale Funding Agreement with the RRC.AP/AIT and the NC.

- The total voluntary financial contribution received by the Secretariat in 2018 is US\$ 500,752. The total expenditures and commitments of the Secretariat in 2018 are US\$ 476,469. The grand-total expenditure of the Secretariat, including the expenses for a 1-year technical consultant (China in-kind contribution), is US\$ 553,979.

9. The key points of the presentation of the NC included:

- The NC highlighted progress of implementation of EANET activities since the IG20 including the administrative arrangements, such as Inter-laboratory Comparison Projects in 2017/2018/2019, publication of Data Report 2017, organization of Clean Air Technology Workshop 2018 in China, individual training at the NC in 2019, provision of technical support including technical missions to the participating countries, implementation of EANET fellowship, research activities in 2018. The Twentieth Senior Technical Managers' Meeting (STM20) organized by the NC in Malaysia was also introduced.
- The NC introduced that the voluntary financial contributions from the participating countries to the NC core budget in 2018 were US\$ 351,090, and voluntary financial contributions from the organizations in Japan to the NC additional budget and office rental cost in 2018 was US\$ 680,539. The total revenue of the NC for the EANET in 2018 (core and additional budget and office rental cost) is US\$ 1,031,629. The total expenditure for the implementation of the NC activities, including office rental cost in 2018, is US\$ 1,009,177.

10. The Session was invited to review, discuss, provide guidance, and endorse the reports, as appropriate.

11. The major discussion included:

- i. It was suggested that every country should contribute financially at their expected level of contribution as it is important for the stable functioning of EANET.
- ii. Malaysia will submit its 2019 financial contribution to the Secretariat budget by the end of this year.
- iii. China informed that they had submitted expected contributions, which included the proportion of in-kind contribution to support 1-year technical consultant working at the Secretariat.
- iv. Thailand and the Philippines requested technical missions for laboratory and analysis activities.
- v. The Republic of Korea clarified that due to exchange rate fluctuation, its financial contribution to the Secretariat budget in 2019 is less than the expected amount. The

country informed that their financial contribution next year would be transferred as per the expected amount.

- vi. Indonesia informed that it is difficult for the country to financially contribute based on a voluntary basis as it requires a presidential decree to provide such support. Therefore, Indonesia has been continuously provided in-kind support to the Secretariat. Next year, Indonesia considers advancing a presidential decree to allow the country to provide financial support for non-legally binding initiatives such as EANET.

12. The Session endorsed the Report on the Progress of the EANET since the IG20 and the Financial Report of the Secretariat and the Network Center in 2018.

VI. CONSIDERATION ON THE REPORT ON THE OUTCOMES OF THE NINETEENTH SESSION OF THE SCIENTIFIC ADVISORY COMMITTEE (SAC19) (AGENDA ITEM 5)

13. Dr. Erdenebat Eldev-Ochir, Deputy Director General of ACAP, presented the Report on the Outcomes of the SAC19 (EANET/IG 21/5) on behalf of Dr. Le Ngoc Cau, the Chairperson of the SAC19.

14. The key points of the presentation included:

- As outcomes of the SAC19, the Session acknowledged the Draft Report on the Progress of the EANET since the Eighteenth Session of the Scientific Advisory Committee (SAC18) and the Draft Financial Report in 2018; reviewed and adopted the Data Report 2018 and the Inter-laboratory Comparison Projects 2018; discussed and acknowledged the Updates on the overview of the National Monitoring Plans of the Participating Countries; considered and acknowledged the Report of the Task Forces of the SAC, the Establishment of the DC of the PRSAD4, and Proposed Ideas of the Participating Countries for the Next MTP for the EANET (2021-2025); considered and endorsed the EANET Science Bulletin (Vol.5); considered and acknowledged the Progress on the Cooperation with the WMO/GAW, Preparation of Acid Rain 2020 and Clean Air Week, Joint Research Activities on MICS-Asia, and Progress of EANET National Awareness Workshop in Malaysia; and considered, acknowledged, and made recommendations on the Draft Work Programme and Budget of the EANET in 2020.

15. The Session was invited to review, discuss, provide guidance, and endorse the report, as appropriate.

16. The major discussion included:

- i. It was suggested that the secondary pollutant including PM2.5 and ozone, should be included in the scope of activities when discussing the next MTP.

- ii. It was mentioned the importance of ecological effects monitoring, development of PRSAD4 and the circulation of the nitrogen in SAC. The effects of the acid deposition on the ecosystem are not included in the SAC19 report of the session. It could be considered in the future, and it could be proposed by IG, and later SAC can work on it.

17. The Session endorsed the Report on the Outcomes of the Nineteenth Session of the Scientific Advisory Committee (SAC19).

VII. CONSIDERATION OF THE PROPOSED IDEAS OF THE PARTICIPATING COUNTRIES FOR THE NEXT MEDIUM TERM PLAN (MTP) FOR THE EANET (2021-2025) (AGENDA ITEM 6)

18. The Secretariat and the NC presented the Proposed Ideas of the Participating Countries for the Next MTP for the EANET (2021-2025), based on inputs from the Working Group Meeting on Preparation of Development of the Medium Term Plan for the EANET (2021-2025) on 20-21 August 2019 in Bangkok, Thailand, and the SAC19 Meeting on 8-10 October 2019 in Siem Reap, Cambodia.

19. The key points of the presentation of the Secretariat included:

- The Secretariat and the NC presented highlights of the Proposed Ideas of Participating Countries for the Next MTP (2021-2025) presented as a Synthesis Report. The Report was developed by summarizing inputs provided by the Participating Countries at the Working Group Meeting on Preparation of Development of the MTP (2021-2025).
- The Synthesis Report consists of the Framework of the MTP (2021-2025); Objectives of the MTP (2021-2025); Proposed Activities of the MTP (2021-2025); Arrangement of the Budget of the Secretariat and the NC for the EANET; Specific Issue: Proposal to Rename EANET; Points to Be Considered by the Session of IG21 Meeting; Proposed Next Steps of Development of the MTP (2021-2025).

20. The key points of the presentation of the NC included:

- The Participating Countries proposed various activities to be included in the next MTP (2021-2025). The proposed activities of the next MTP (2021-2025) by the participating countries consists of 33 categories in the 6 proposed objectives. A large number of activities proposed are relevant to air quality monitoring, emission inventory, and data analysis/interpretation, etc.
- The participating countries also expressed their view that implementation of the next MTP for the EANET (2021-2025) may face some difficulties such as inadequate financial commitment to tackle acid deposition and air pollution issues, lack of technical staff to

undertake these activities, etc. In this regard, collaboration with partners is suggested to fill the gap of resources on capacity, programs, and finance.

21. The Session was invited to discuss, make comments and decisions on (i) proposed activities of the EANET in the next MTP (2021-2025); (ii) scope expansion of the EANET activities beyond acid deposition to include air quality in the next MTP (2021-2025); (iii) the proposal to rename the EANET and; (iv) the proposal of arrangement of budget of the Secretariat and the NC for the EANET.
22. Japan submitted a proposal on the decision of IG21 to Secretariat on 7th November 2019 and subsequently introduced its proposal at the meeting, such as the schedule of the working groups and the contents of the next MTP, including scope expansion of the EANET, flexibility of new activities, rename of the EANET, and diversification of funds.
23. Taking into account the discussion at the meeting, the Session reviewed the report on the Proposed Ideas of the Participating Countries for the Next MTP (2021-2025). The Session agreed to establish two working groups in 2020 as follows:
 - The Working Group on Reviewing the Scope of Instrument: to discuss the objectives and scope expansion of the Instrument, and the possibility, options, and consequences of how to address air pollution with a view to it being addressed in the Instrument.
 - The Working Group on Drafting the MTP (2021-2025): to develop two versions of the MTP (2021-2025) by referring to the current scope and possible future scope.
 - The two working groups are encouraged to coordinate their work, as appropriate. The Participating Countries will be invited to attend the working group meetings. The Secretariat informed the Participating Countries that the back to back working group meetings are expected to be held in Bangkok, April 2020, and prepare the documents for the discussion before the working group meetings.

VIII. CONSIDERATION ON THE DRAFT WORK PROGRAMME AND BUDGET OF THE EANET IN 2020 (AGENDA ITEM 7)

24. The Secretariat and the NC presented the Draft Work Programme and Budget of the EANET in 2020 (EANET/IG 21/7).
25. The key points of the presentation of Secretariat included:
 - In 2020, the Work Programme and Budget of the Secretariat includes administrative and financial arrangements of the Secretariat for the EANET; enhancement of intergovernmental cooperation; provision of policy relevant information; promotion of public awareness; enhancement of cooperation and collaboration.

- The total budget proposed for the Secretariat activities in 2020 is US\$ 765,914. The adjustment of the estimated budget of the Secretariat in 2020 higher than the allocation as per MTP is proposed to cover the cost of organizing two proposed Working Group Meetings on Preparation of Development of the Medium Term Plan for the EANET (2021-2025) in 2020, additional costs for organizing High-Level Segment, re-allocation of two additional unspent fellowships in 2019 to 2020 and budget support for compliance to UN project review process.

26. The key points of the presentation of NC included:

- In 2020, the Work Programme and Budget of the NC includes administrative and financial arrangements of the NC for the EANET; acid deposition monitoring including QA/QC activities; promotion of activities other than monitoring; promotion of public awareness; enhancement of intergovernmental cooperation; enhancement of cooperation and collaboration; promotion of public awareness and so on.
- Based on the MTP for the EANET (2016-2020), the proposed annual budget of the NC in 2020 is estimated to be US\$ 1,170,000, including personnel and administrative costs consist of US\$ 477,000 required for the core budget activities, US\$ 573,000 required for the additional budget activities. US\$ 120,000 is for the rental fee of the ACAP building.

27. The Session was invited to review, discuss, provide guidance, and approve, as appropriate.

28. The major discussion included:

- i. Republic of Korea announced its offer to host the national awareness forum in 2020 in Gyeonggi province. Myanmar also submitted the offer to host the national awareness forum in 2020. The Secretariat will further discuss with both countries.
- ii. The SAC20 Meeting in 2020 is to be informed to participating countries by early 2020, with the possibility to be organized towards the end of August 2020 or in September. The decision on the dates will take into account the situation of the submission of data from the participating countries.
- iii. One Task Force meeting will be organized back to back with the SAC20 meeting.
- iv. The Secretariat clarified that the detailed meeting budgets (IG and SAC) will be included in the submission of the AIT financial report at the end of the year.
- v. The Secretariat clarified that the allocation of fellowship budget is US\$ 10,000 per fellow.
- vi. The request for financial contribution in 2020 will be shared by the Secretariat and the NC to the participating countries as soon as possible after IG21.

- vii. The Secretariat clarified that communication and outreach for UN Environment Assembly would have no financial implication to the budget of the Secretariat.

29. The Session considered and adopted the Work Programme and Budget of the EANET in 2020.

**IX. UPDATES ON ACTIVITIES RELATED TO ACID DEPOSITION AND AIR QUALITY:
(AGENDA ITEM 8)**

Progress of Preparation of Clean Air Week

30. The NC presented updates on the preparation of Clean Air Week that will be organized in Niigata, Japan, October 2020.

31. The key points of the presentation included:

- International meetings/events on air pollution, including the Third Joint Forum of the Asia Pacific Clean Air Partnership (APCAP), will be held in Toki Messe in Niigata, Japan in 2020 in the same week in parallel with the Acid Rain 2020 as the Clean Air Week.

32. The Session was invited to discuss and provide guidance, as appropriate.

33. Major discussion included:

- i. Japan extended its warm welcome to participating countries to Niigata 2020.

Progress of Preparation of Acid Rain 2020

34. The NC presented updates on the preparation of Acid Rain 2020 that will be organized in Niigata, Japan, October 2020.

35. The key points of the presentation included:

- Session topics for abstract submission and keynote speakers of the Acid Rain 2020 were presented. Abstract submission, registration, and call for sponsors were opened in October 2019.

36. The Session was invited to discuss and provide guidance, as appropriate.

37. There is no question on this agenda item.

Progress of Preparation of the High-Level Segment of the EANET and APCAP

38. The Secretariat presented updates on the preparation of the High-Level Segment of the EANET and APCAP
39. The key points of the presentation included:
- The High-Level Segment is aimed to disseminate information to policy makers on the latest evidence on and invites a call for action to beat air pollution and acid deposition. The High-Level Segment will be organized jointly between EANET and the Asia Pacific Clean Air Partnership (APCAP) on the morning of 20 October 2020 in Niigata, Japan. The High-Level Segment is also an integrated program of the Third Joint Forum of APCAP.
40. The Session was invited to discuss and provide guidance, as appropriate.
41. The major discussion included:
- i. It is agreed that the High-Level Segment will be combined with the 20th Anniversary of EANET and it will be renamed as the 20th Anniversary of EANET. The concept of the event will be revised, and it will be an open forum.

Progress of Preparation of the 20th Anniversary of EANET

42. The Secretariat presented updates on the preparation of the 20th Anniversary of EANET.
43. The key points of the presentation included:
- To celebrate the 20th Anniversary of EANET, the Secretariat and the NC plan to host a small ceremony on the margins of the 22nd Session of the Intergovernmental (IG22) Meeting on EANET in Niigata, Japan. The concept note of the event will be revised in keeping with paragraph 41.
44. The Session was invited to discuss and provide guidance, as appropriate.
45. The major discussion included:
- i. It was clarified that the 20th Anniversary of EANET will be attended by invitees from Niigata Prefecture and the city of Niigata.

Progress of Preparation of EANET National Awareness Workshop in Malaysia

46. The Secretariat presented updates on the preparation of EANET National Awareness Workshop in Malaysia.
47. The key points of the presentation included:

- EANET National Awareness Workshop in 2019 will be held from 26 to 28 November 2019 in Putrajaya, Malaysia. This Workshop is co-organized jointly by Secretariat for the EANET and the Ministry of Energy, Science, Technology, Environment and Climate Change (MESTECC), Malaysia.

48. The Session was invited to discuss and provide guidance, as appropriate.

49. There is no question on this agenda item.

50. The Session acknowledged the updates on activities related to acid deposition and air quality.

X. OTHER ISSUES (AGENDA ITEM 9)

51. The Session was invited to discuss and consider other issues to be raised by the participants, the Secretariat and/or the NC, if any.

52. There is no question on this agenda item.

XI. CONSIDERATION AND ADOPTION OF THE REPORT OF THE SESSION (AGENDA ITEM 10)

53. The Session considered and adopted the Report of the Session (EANET/IG 21/10).

XII. CLOSING OF THE SESSION (AGENDA ITEM 11)

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

55. The Chairperson, appreciating the participants, the Secretariat and the NC for their contributions, declared the Twenty-first Session of the Intergovernmental Meeting on the Acid Deposition Monitoring Network in East Asia officially closed.

LIST OF PARTICIPANTS

CAMBODIA

Mr. Heng Nareth
Director General
General Directorate of Environmental
Protection
Ministry of Environment
The Heritage Techo Building (Lot 503)
Tonle Bassac, Chamkarmorn
Phnom Penh
Cambodia
Tel: +855-12-926-108
Email: heng.nareth@online.com.kh;
hengnareth5@gmail.com

Mr. Thiv Sophearith
Director
Department of Air Quality and Noise
Management
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

CHINA

Mr. Zhao Yingmin
Vice Minister
Ministry of Ecology and Environment of
People's Republic of China
No. 115, Xizhimen South Street
Beijing 100035
People's Republic of China

Mr. Bai Qiuyong
Director General
Department of Ecological Environment
Monitoring
Ministry of Ecology and Environment of the
People's Republic of China
26 Pinganli West Street, Xicheng District
Beijing 100035
People's Republic of China
Tel: +86-152-0135-0300
Email: zgbqy2008@126.com

Ms. Song Xiaozhi
Counsel (Director General level)
Department of International Cooperation
Ministry of Ecology and Environment of
People's Republic of China
No. 115, Xizhimen South Street, Beijing
100035
People's Republic of China
Tel: +86-10-6655-6493
Fax: +86-10-6655-6494
Email: song.xiaozhi@mee.gov.cn

Mr. Li Yonghong
Deputy Director
Foreign Environmental Cooperation Center
Ministry of Ecology and Environment
No. 5, Houyingfang Hutong
Xicheng District, Beijing 100035
People's Republic of China
Tel: +86-8226-8806
Fax: +86-8220-0579
Email: li.yonghong@fecomee.org.cn

Mr. Xing He
Director
Monitoring Network Management Division
Department of Ecological Environment
Monitoring
Ministry of Ecology and Environment of the
People's Republic of China
26 Pinganli West Street, Xicheng District
Beijing 100035
People's Republic of China
Tel: +86-186-1227-7621
Email: Xing.he@mep.gov.cn

Mr. Zhou Jun
Deputy Director
Division of Asian, African and Latin
American Affairs
Department of International Cooperation
Ministry of Ecology and Environment
No. 115, Xizhimen South Street
Xicheng District, Beijing 100035
People's Republic of China
Tel: +86-6655-6546
Fax: +86-6665-6534
Email: zhou.jun@mee.gov.cn

Dr. Lan Yan
Division of Asian, African and Latin
American Cooperation
Foreign Environmental Cooperation Center
Ministry of Ecology and Environment
115 Xizhimen South Street
Xicheng District, Beijing 100035
People's Republic of China
Tel: +86-6655-6536
Fax: +86-6655-6534
Email: Lan.yan@mee.gov.cn

Ms. Li Xia
Division Chief
Division of Asian, African and Latin
American Cooperation
Foreign Environmental Cooperation Center
Ministry of Ecology and Environment
No. 5, Houyingfang Hutong
Xicheng District, Beijing 100035
People's Republic of China
Tel: +86-8226-8221
Fax: +86-8220-0579
Email: li.xia@fecomee.org.cn

Dr. Yan Feng
Section Chief
Division of Asian, African and Latin
American Cooperation
Foreign Environmental Cooperation Center
Ministry of Ecology and Environment
No. 5, Houyingfang Hutong
Xicheng District, Beijing 100035
People's Republic of China
Tel: +86-8226-8262
Fax: +86-8220-0579
Email: Yan.feng@fecomee.org.cn

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

Dr. Tang Wei
Director
Center for Air Quality Modeling and
Forecasting
Institute of Atmospheric Environment
Chinese Research Academy of Environmental
Sciences
No. 8, Anwai Dayangfang
Chaoyang District, Beijing 100012
People's Republic of China
Tel: +86-10-8491-5163
Fax: +86-10-8491-5163
Email: tangwei@craes.org.cn

Dr. Hu Jingnan
Executive Deputy Director
Institute of Atmospheric Environment
Chinese Research Academy of Environmental
Sciences
No. 8, Anwai Dayangfang
Chaoyang District, Beijing 100012
People's Republic of China
Tel: +86-10-5091-1152
Fax: +86-10-5091-1160
Email: hujn@craes.org.cn

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: wngxf@cnemc.cn

Dr. Li Liang
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: +86-10-8494-3021
Fax: +86-10-8465-0863
Email: liliang@cnemc.cn

INDONESIA

Mr. Djurit Teguh Prakoso
Head of Sub Directorate for Air Quality
Monitoring
Directorate of Air Pollution Control
Ministry of Environment and Forestry
D.I. Panjaitan St. Kavling 24,
Building B, 3rd Floor, DKI
Jakarta 13410
Indonesia
Tel: +62-21-8591-1207
Fax: +62-21-8591-1207
Email: prakoso_ray@yahoo.com

Ms. Fitri Harwati
Head, Legal and Technical Cooperation
Secretariat of DG for Pollution and
Environmental Degradation Control
Ministry of Environment and Forestry
Gd. B Lt. 4 KLHK Jl.
DI. Pandjaitan Kav. 24
Kebon Nanas Jakarta Timur 17424
Indonesia
Tel: +62-21-8520-886
Fax: +62-21-8520-886
Email: Harwati.fitri@gmail.com

JAPAN

Dr. Tokuaki Shobayashi
Councillor, Minister's Secretariat
Ministry of Environment, Japan
1-2-2, Kasumigaseki, Chiyoda-ku
Tokyo 100-8975

Japan

Tel: +81-3-3580-2168

Email:

TOKUAKI_SHOBAYASHI@env.go.jp

Mr. Akihiro Kuwamura
Section Chief, Air Environment Division
Environmental Management Bureau
Ministry of Environment, Japan
1-2-2, Kasumigaseki, Chiyoda-ku
Tokyo 100-8975

Japan

Tel: +81-3-5521-8291

Fax: +81-3-3580-7173

Email: AKIHIRO_KUWAMURA@env.go.jp

LAO PDR

Mr. Phetsamone Dalalom
Deputy Director General
Natural Resources and Environment Research
Institute

Ministry of Natural Resources and
Environment

Nahaideo Road, P.O. Box 7864

Lane Xang Avenue, Chantabuly District
Vientiane

Lao PDR

Tel: +856-20-2220-0699

Fax: +856-21-263-799

Email: Mone_phet@yahoo.com

Mr. Vanhna Phanphongsa

Deputy Director

Environment Quality Monitoring and
Analysis Division

Natural Resources and Environment Institute
Ministry of Natural Resources and
Environment

Nahaideo Road, P.O. Box 7864

Lane Xang Avenue, Chantabuly District
Vientiane

Lao PDR

Tel: +856-20-9888-0285

Fax: +856-21-263-799

Email: vanhnatt@gmail.com

MALAYSIA

Mr. Mohd Azuwan Bin Abdullah

Assistant Secretary

Pollution Control Division

Ministry of Energy, Science, Technology,
Environment and Climate Change
(MESTECC)

Level 5, Block C7, Complex C

Federal Government Administrative Centre
62662, Putrajaya

Malaysia

Tel: +60-3-8885-8788

Fax: +60-3-8888-4473

Email: azuwan@mestecc.gov.my

Mr. Mohan Kumar Sammathuria

Senior Assistant Director

Atmospheric Sciences and Cloud Seeding
Division

Malaysian Meteorological Department

Jalan Sultan, 46667 Petaling Jaya

Selangor, Malaysia

Tel: +60-3-7967-8098

Fax: +60-3-7955-0964

Email: mohan@met.gov.my

MONGOLIA

Mr. Battulga Bataa
Deputy Director General
National Agency for Meteorology and
Environmental Monitoring
Ministry of Environment and Tourism
Juilchny Street-5
Ulaanbaatar 15160
Mongolia
Tel: +976-51-265-896
Fax: +976-11-326-611
Email: battulga@namem.gov.mn

Dr. Batbayar Jadamba
Director
Environmental Monitoring Division
National Agency for Meteorology and
Environmental Monitoring
Ministry of Environment and Tourism
Juilchny Street-5
Ulaanbaatar 15160
Mongolia
Tel: +976-51-266-148
Fax: +976-11-326-611
Email: batbayar@namem.gov.mn /
bt.bayar@yahoo.com

MYANMAR

Ms. Ye Ye Nyein
Director
Lower Myanmar Division
Department of Meteorology and Hydrology
Ministry of Transport and Communications
Office No. 5, Nay Pyi Taw
Myanmar
Tel: +95-95-014-925
Fax: +95-16-605-24
Email: ye.nyein@gmail.com/
dg.dmh1@gmail.com

Ms. Htay Htay Than
Director
Hydrology Division
Department of Meteorology and Hydrology
Ministry of Transport and Communication
Office No. 5, Nay Pyi Taw
Myanmar
Tel: +95-925-095-4638
Fax: +95-67-411-525
Email: dg.dmh1@gmail.com/
HHThan.DMH@gmail.com

PHILIPPINES

Ms. Maria Victoria Abrera
Director II
Department of Environment and Natural
Resources (DENR)
Environmental Management Bureau -
Cordillera Administrative Region
DENR Compound
Gibraltar Road, Baguio City
Philippines
Tel: +632 (074) 665-2904
Fax: +632 (074) 446-6440
Email: mvabrera@yahoo.com.ph

REPUBLIC OF KOREA

Mr. Jinsoo Park
Group leader, Aerosol Research Laboratory
Air Quality Environment Research Division
Climate and Air Quality Research
Department National Institute of
Environmental Research,
42 Hwangyeong-ro, Seo-gu
Incheon 22689
Republic of Korea
Tel: +82-32-560-7272
Fax: +82-32-568-2041
Email: airchemi@korea.kr

Ms. You Sojung
International Cooperation Advisor
Air Quality Policy Division
Air Quality Policy Bureau
Ministry of Environment
Building #6, Government Complex-Sejong
11 Doum 6-ro
Sejong Special Governing City 339-012
Republic of Korea
Tel: +82-44-201-6868
Fax: +82-44-201-6873
Email: sojungyou@korea.kr

RUSSIA

Ms. Marina Kotlyakova
Deputy Head
Environmental Pollution Monitoring
Department
Russian Federal Service for
Hydrometeorology and Environmental
Monitoring (Roshydromet)
Novovagankovsky Street, 12
Moscow, 125993
Russia
Tel: +7-499-255-1372
Fax: +7-499-795-2004
Email: m.kotlyakova@meteorf.ru

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

THAILAND

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

Mr. Pichaid Atipakya
Environmental, Professional Level
Air Quality and Noise Management Bureau
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: pichaid_a@hotmail.com

VIET NAM

Ms. Tran Thanh Thuy
Director
Science, Training & International
Cooperation
Vietnam Institute of Meteorology, Hydrology
and Climate Change
21/62, Nguyen Chi Thanh Street
Dong Da District, Hanoi
Vietnam
Email: Thuybk77@gmail.com

Mr. Le Dinh Diep
Officer, Administrative Office
Vietnam Institute of Meteorology, Hydrology
and Climate Change
Hao Nam 10/126
Dong Da District, Hanoi
Vietnam
Tel: +84-90-3267-832
Email: diep.ledinh@imh.ac.vn

RESOURCE PERSONS

Mr. Stadler Trengove
Principal Legal Officer, Law Division
United Nations Environment Programme
(UNEP)
UN Avenue,
P.O. Box 30552, Nairobi 00100
Kenya
Tel: +254-20-762-3590
Email: stadler.trengove@unep.org

Mr. Naoya Tsukamoto
Director
Regional Resource Center for Asia and the
Pacific
3rd Floor, Outreach Building
Asian Institute of Technology (AIT)
P.O. Box 4, Klong Luang,
Pathumthani 12120 Thailand
Tel: +66-2-524-5384; +66-83-891-8463
Fax: +66-2-516-2125
Email: Naoya.Tsukamoto@rrcap.ait.asia

UNITED NATIONS ENVIRONMENT PROGRAMME (UNEP) ASIA AND PACIFIC OFFICE

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

Dr. Dechen Tsering
Regional Director and Representative
Tel: +66-2-288-2901
Email: dechen.tsering@un.org

Mr. Ahmed Iftekhar Khan
Admin and Finance Specialist
Tel: +66-2-288-2214
Email: khan129@un.org

UNITED NATIONS ENVIRONMENT PROGRAMME (UNEP) CHINA OFFICE

No. 2, Liangmahe Nanlu
Chaoyang District
Beijing 100600
China

Mr. Tu Ruihe
Head
Tel: +86-10-85320920
Email: ruihe.tu@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 Eldevochir
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

Mr. Jiro Sato
Senior Fellow
Tel: +81-25-263-0555
Email: jsato@acap.asia

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

Dr. Zhu Meihua
Senior Researcher
Tel: +81-25-263-0556
Email: mhzhu@acap.asia

SECRETARIAT FOR THE EANET

United Nations Environment Programme
(UNEP) Asia and Pacific Office
2nd Floor, UN Building
Rajdamnern Nok Avenue
Bangkok 10200
Thailand
Fax: +62-2-280-3829

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

Ms. Jia Haiping
Consultant
Tel: +66-2-288-2605
Email: haiping.jia@un.org

Regional Resource Centre for Asia and the
Pacific, Asian Institute of Technology
(RRC.AP/AIT)
3rd Floor, Outreach Building
Asian Institute of Technology (AIT)
P.O. Box 4, Klongluang
Pathumthani 12120
Thailand
Fax: +66-2-516-2125

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.asia