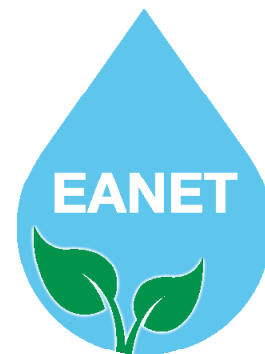


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EANET

Newsletter



1.) Instrument for strengthening the EANET to be signed by the 13th participating country this November

Instrument for Strengthening the Acid Deposition Monitoring Network in East Asia (EANET) has agreed and signed by 12 out of 13 participating countries of EANET namely Cambodia, China, Japan, Lao PDR., Malaysia, Mongolia, Myanmar, Philippines, Republic of Korea, Russia, Thailand and Vietnam since 2010 onwards. It was effectively implemented on 1 January 2012. The latest country that announced at 15th Session of the Intergovernmental Meeting (IG15) last December to sign the Instrument is Indonesia. The signing ceremony will be launched at the 16th Session of Intergovernmental Meeting (IG16) in Jakarta, hosted by Indonesian government in this coming November.

2.) EANET Meetings

i Third Meeting of Reviewing Committee (RC3) on the Status of Air Pollution in East Asia -

The Reviewing Committee (RC) on the Status of Air Pollution in East Asia was established under the Task Force on Research Coordination (TFRC) based on the discussion at the Eleventh Session of Scientific Advisory Committee (SAC11) in 2011 and so on. The Third Meeting of RC (RC3) on the Status of Air Pollution in East Asia was held on 17-18 February 2014, in Niigata, Japan. The RC3 decided that “Report of the Review on the State of Air Pollution in East Asia” should be reviewed by the external reviewers. After the Fourth Meeting of the Reviewing Committee (RC4) to be held in July 2014, the report will be finalized by the middle of August 2014. After that, the report will be submitted to the Seventh Meeting on the Task Force on Research Coordination (TFRC7) to be held on 2 September 2014 for discussion, and also to the Fourteenth Session of the Scientific Advisory Committee (SAC14) to be held on 2-4 September in Incheon, Republic of Korea for its adoption.



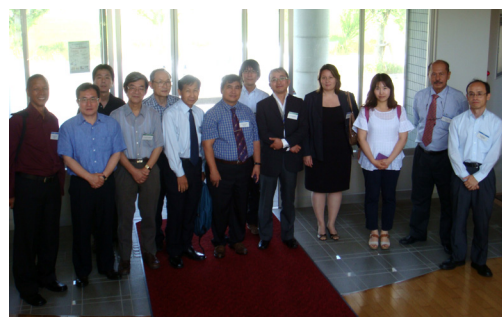
ii First Ad hoc Research Planning Group Meeting

In order to submit appropriate research project proposals to outside funding agencies, in accordance with the suggestion of the establishment of informal small group to develop research proposals at the Fifth/Sixth Meetings of the Task Force on Research Coordination (TFRC5/6) and the Twelfth / Thirteenth Sessions of the Scientific Advisory Committee (SAC12/13), the Network Center established the Research Planning Group (RPG) which consisted of 5 scientists from 4 countries, China, Japan, Republic of Korea and Thailand in March 2014, and held its First Meeting at the Asia Center for Air Pollution Research (ACAP) in Niigata, Japan on 23 May 2014. The Meeting finally selected 2 research project proposals on assessment of PM2.5 and study on short-lived climate pollutants (SLCPs) to be submitted to outside funding agencies.



iii Fourth Meeting of the Task Force on Soil and Vegetation Monitoring

In order to discuss recent important issues on soil and vegetation monitoring, the Fourth Meeting of the Task Force on Soil and Vegetation Monitoring (TFSV4) was held on 25-26 June 2014, in Niigata, Japan. After the review of activities in the current “Strategy Paper for Future Direction of Soil, Vegetation and related Ecosystems Monitoring (2009-2014)”, the draft of next term “Strategy Paper for Future Direction of Air Pollution Effects on Agricultural Crops, Forest and Inland Water of EANET (2015-2020)” was discussed. Finally the Meeting decided to submit the Revised “Strategy Paper for Future Direction of Air Pollution Effects on Agricultural Crops, Forest and Inland Water of EANET (2015-2020)” to the Fourteenth Session of the Scientific Advisory Committee (SAC14) to be held in September 2014 in Incheon, Republic of Korea for adoption.



3.) EANET Work Program

i National Public Awareness Workshop of the Acid Deposition Monitoring Network in East Asia (EANET) in Hanoi, Vietnam on 30 May 2014

Institute of Meteorology, Hydrology and Environment (IMHEN), as the National Center of Vietnam for the EANET with the support of the Secretariat and the Network Center for the EANET organized the National Public Awareness Workshop on 30 May 2014 in Hanoi, Vietnam. There were 35 participants attended who were from various central and local governmental agencies and academia related to health, natural resource management and environment field such as Center for Environmental Research (CENRE), IMHEN, Department of Pollution Control of Vietnam, Center for Environmental Monitoring of Vietnam, Environmental Information and Documentation Center, Industrial Safety Techniques and Environment Agency and Department of Chemicals under Ministry of Industry and Trade, Department of Environment under Ministry of Transport, Department of Science, Training and International Cooperation, Center for Hydrology and Water Resources, Center for Meteorology and Climatology, Department of Meteorology, Hydrology and Climate Change under Ministry of Natural Resource and Environment, Hanoi Department of Natural Resources and Environment, Hanoi University of Natural Resources and Environment, Hanoi University of Science, Center for Agricultural Meteorology, Center for Marine and Ocean-Atmosphere Interaction Research (CMOAR), Center for Hydrometeorology and Environment Consultancy, Division of Remote Sensing & GIS, Vietnam-Korea Center for Environmental Research and Training. Majority of participants are technical persons and scientists. The participants were given information not only on the Acid Deposition Monitoring Network in East Asia (EANET) and its monitoring activities, but also the state of acid deposition and air pollution in East Asia and briefly emerging related atmospheric pollutions. The participants were also given the opportunity to discuss and develop close communication among different government offices to share information and collaboration in the near future.



National Public Awareness Workshop in Hanoi, Vietnam, 30 May 2014

ii Youth Public Awareness Workshop of the Acid Deposition Monitoring Network in East Asia (EANET) in Hoa Binh, Vietnam on 31 May 2014

Institute of Meteorology Hydrology and Environment (IMHEN) as the National Center of Vietnam for the EANET with the support of the Secretariat and the Network Center for the EANET also organized the Youth Public Awareness Workshop and monitoring station site visit as well as laboratory demonstration on 31 May 2014 in Hoa Binh, Vietnam. The 65 participants attended were local environment governmental officers, teachers and students from secondary and high school level. The workshop gave the opportunity for participants to learn the basic science of Acid Deposition for youth, monitoring and laboratory activities, the nature of pollution and its transboundary, and the state of acid deposition and air pollution in East Asia. Quiz competition among groups of students had motivated active participation and impressive discussion of youth. The acid deposition monitoring site visit at Hoa Binh monitoring station also gave the opportunity for the participants to have experience on real application of acid deposition monitoring and laboratory equipment, analysis and data collection procedure.



Youth Public Awareness Workshop and monitoring site visit in Hoa Binh, Vietnam, 31 May 2014

iii *EANET Individual Training Course in Niigata Japan in January 2014*

The EANET Individual Training course for one trainee each from Cambodia, Malaysia and Myanmar was implemented at the Network Center for the EANET from 14 through 31 January 2014. They received training on wet deposition, dry deposition, soil/vegetation and inland aquatic environment monitoring, and data management.



Mr. Vannly Pak
(Cambodia)



Ms. Amirah Muhamad Akhir
(Malaysia)

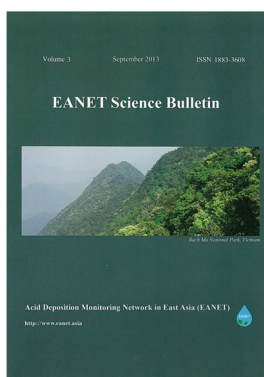


Mr. Tin Htoo Aung
(Myanmar)

Trainees of EANET individual Training Course, in January 2014

4.) Recent Publications

i *EANET Science Bulletin Vol. 3*



EANET Science Bulletin was published by the Network Center for the EANET twice in November 2008 and January 2011. The recent third volume of bulletin was newly published and distributed to the participating countries in January 2014. This vol.3 bulletin contained scientific reports developed as the result of the EANET fellowship research program in 2010-2012 along with joint research projects between Network Center for the EANET and the participating countries and other scientific and technological research papers from participating countries such as “Assessment of Long-Range Transport Contribution on Haze Episode in Northern Thailand, Year 2007”, “Study on Model Simulation of Meteorological Parameters and Air Concentration”, “Effect of Simulated Acid Rain on Leachate Characteristics and Soil pH”, “Quality Assurance and Quality Control procedures for Ozone Monitoring in China”, “Identifying of Acid Deposition Potential Sources in Thailand using PMF Model and PCA Analysis”.

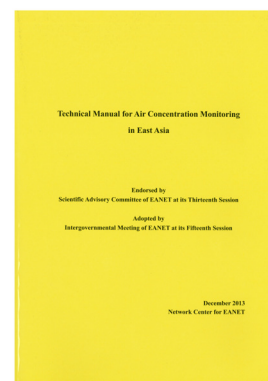
The bulletin editorial expression put some concern on strengthening cooperation, expansion of the scope of EANET, co-benefits/co-control, short lived climate pollutants (SLCPs), human health impacts, transboundary air pollution, Asia Science Panel on Air Quality and Climate (ASPAC) and catchment analysis. The suggestion also made for nanoparticle monitoring which related to acid

deposition aerosols i.e. sulphate, nitrate, ammonium, etc. caused more severe health effect to the public. Thus, the future national monitoring plan should be prepared and discussed.

ii *Technical Manual for Air Concentration Monitoring of the EANET*

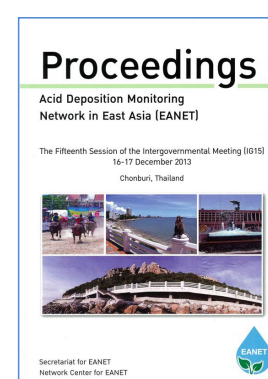
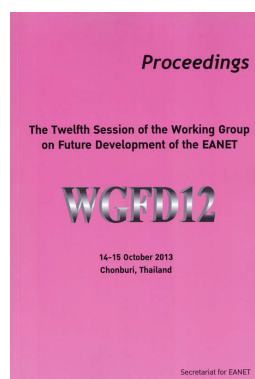
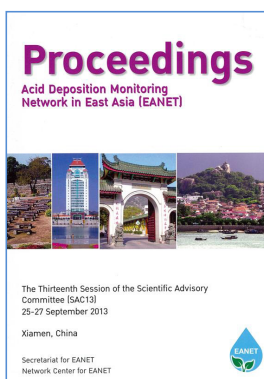
Air concentration monitoring is one of the important monitoring of the EANET, and the air concentration data are intended to be used for dry deposition flux estimation and clarify the state of air pollution in the region. Although the EANET previously published several technical documents for air concentration monitoring such as “Technical Document for Filter Pack Method in East Asia”, there is no comprehensive technical manual for air concentration monitoring of the EANET, which enable to standardize air concentration monitoring and provide comparable data at the EANET monitoring sites.

Taking into account of the previous situation above, the Expert Group on Preparation of Technical Manual for Air Concentration Monitoring composed of relevant experts was established in November 2009. After the Expert Group reviewed current monitoring methodologies of air concentration monitoring both in the EANET participating countries and in the relevant international networks, the Expert Group prepared the Draft Technical Manual for Air Concentration Monitoring of the EANET through three meetings of the Expert Group in August 2011, August 2012, and September 2013. The finalized draft was submitted to and adopted by the Thirteenth Session of Scientific Advisory Committee (SAC13) of the EANET in September 2013, then endorsed by the 15th Session of Intergovernmental Meeting (IG15) on the EANET in December 2013. The adopted manual was subsequently published and disseminated on the EANET website in early 2014.



iii *Summaries and Proceedings*

Summaries and Proceedings of the 13th Session of the Scientific Advisory Committee (SAC13), 12th Session of the Working Group on Future Development of the EANET (WGFD12) and 16th Session of the Intergovernmental Meeting (IG16) were prepared and hard copy published to be disseminated to participating countries this July.



5.) Updated EANET Events/Activities in 2014

Events/Activities	Dates	Venue, etc.
EANET Individual Training Course	14-31 January	Niigata, Japan
Third Meeting of the Reviewing Committee (RC3) on the Status of Air Pollution in East Asia	17-18 February	Niigata, Japan
First Ad hoc Research Planning Group Meeting	23-May	Niigata, Japan
National Public Awareness Workshop cum Youth Public Awareness Workshop and Monitoring Site visit	30-31 May	Hanoi and Hoa Binh, Vietnam
Fourth Meeting of the Task Force on Soil and Vegetation Monitoring (TFSV4)	25-26 June	Niigata, Japan
Deadline for submission of the EANET 2013 monitoring data	End of June	to the Network Center
Fourth Meeting of the Reviewing Committee (RC4) on the Status of Air Pollution in East Asia	15-16 July	Niigata, Japan
Deadline for submission of the latest National Monitoring Plan from the participating countries	End of July	to the Network Center
Capacity Building Workshop for Senior Officials of the EANET Participating Countries (Back to back with IG-Ex)	31 July	Ayutthaya, Thailand
Extraordinary Session of the Intergovernmental Meeting on the EANET (IG-Ex)	1 August	Ayutthaya, Thailand
Fifteenth Senior Technical Managers' Meeting (STM15)	4-5 August	Hanoi, Vietnam
Seventh Meeting on Task Force on Research Coordination (TFRC7)	2 September	Incheon, Republic of Korea
Fourteenth Session of the Scientific Advisory Committee (SAC14)	2-4 September	Incheon, Republic of Korea
EANET Fellowship Research	October-December (max. 2 months)	Niigata, Japan
Thirteenth Session of the Working Group on Future Development of the EANET (WGFD13)	1-2 October	Ayutthaya, Thailand
Sixteenth Session of the Intergovernmental Meeting (IG16) on the EANET	25-26 November	Jakarta, Indonesia
EANET Individual Training Course	December	Niigata, Japan

Secretariat	Network Center
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