

The Thirteenth Session of the Scientific Advisory Committee  
on the Acid Deposition Monitoring Network in East Asia  
25-27 September 2013, Xiamen, China

### **Draft EANET Science Bulletin (Vol. 3)**

#### **I. INTRODUCTION**

1. One of the main activities of the Network Center (NC) for the Acid Deposition Monitoring Network in East Asia (EANET) is to promote research on acid deposition including ozone and PM to achieve a better understanding of the state of acid deposition in East Asia. Research activities are also necessary to improve current methodologies for monitoring acid deposition particularly in regions with severe climate conditions and sensitive ecosystems.
2. From the start of the EANET activities, the NC has carried out joint research projects with several participating countries to collect basic information, accumulate experience and knowledge for improving monitoring methodologies and to study effects of air pollution on ecosystems in some regions. The NC has so far collaborated with agencies in Japan, Malaysia, Mongolia, Republic of Korea, Russia and Thailand to carry out joint projects in these countries.
3. Since 2005, the NC has also implemented the EANET Research Fellowship program annually using the EANET funds. Following the agreed guidelines for the fellowship program adopted by the Session of the Intergovernmental Meeting (IG) on the EANET, each year two young researchers from participating countries of the EANET were invited to spend approximately two months at the Asia Center for Air Pollution Research (ACAP) in Niigata, Japan to carry out the research related to the objectives of the EANET. At the end of their program, the researchers are required to submit a report of their research results.
4. The NC had received requests from the participating countries to make the results of the EANET research activities available to the EANET community and to various agencies outside of East Asia. The publication of the EANET Science Bulletin is undertaken by the NC in response to the requests.

#### **II. OBJECTIVES OF THE BULLETIN**

5. The main objectives of the EANET Science Bulletin are:
  - To share the research findings from the EANET Research Fellowship Program and Joint Research Projects among the EANET community.

- To provide a platform for scientists from member countries to publish their science and technology research activities which are relevant to the EANET.
- 6. The EANET Science Bulletin will be published once in every two year initially but this arrangement may be changed depending on feedback from the participating countries.
- 7. Besides the reports of the Research Fellowship Program, Joint Research Projects of EANET and scientific and technical research papers from the participating countries that related to the EANET activities, the NC has also invited researchers from the member countries to submit relevant research papers through the National Focal Points (NFPs) of the participating countries or the national SAC members to publish in the EANET Science Bulletin. A set of guidelines for submission of the papers were sent to the NFPs in January 2013 as well as through the web site, <http://www.eanet.asia/meeting/index.html>.
- 8. The production of the Bulletin will be implemented as an activity of the NC. The tasks will be carried out by the Editorial Board established within the NC for the EANET.

### **III. CONTENTS OF THE BULLETIN**

- 9. The publication of the Bulletin was discussed at the first meeting of the Task Force on Research Coordination (TFRC) of the Scientific Advisory Committee (SAC) of the EANET held in Niigata, Japan on 25-26 June 2008 and at the Ninth Senior Technical Managers' Meeting (STM9) held in Niigata, Japan on 27-29 August 2008. Members of the Task Force provided useful suggestions and advice regarding the title and contents for Volume 1 published in November 2008 and Volume 2 in 2011. The EANET Science Bulletin (Volume 3) was also discussed at the Fifth Meeting of the TFRC on 21 November 2012 and reported at the Twelfth Scientific Advisory Committee (SAC12) on 21-24 November 2012 which both held in Yangon, Myanmar. It will be followed the Volumes 1 and 2 patterns and submitted to the Thirteenth Session of the Scientific Advisory Committee (SAC13) for endorsement.

### **IV. IMPLEMENTATION SCHEDULE**

- 10. The NC has proposed the following implementation plan for Volume 3. Since the SAC13 is held in September 2013, the EANET Science Bulletin has to be submitted to the SAC13 for endorsement. It will be printed out after endorsement and distributed in December 2013 during the Fifteenth Intergovernmental Meeting (IG15). For budget for publication, the printing cost is included in the approved "Work Program and Budget of the EANET in 2013". The implementation plan was as follows:

<b>Year</b>	<b>Month</b>	<b>Activities/Events</b>	<b>Deliverables</b>
2013	January	Send request papers to the NFCs and SAC members	E-mails and the EANET website
2013	July	Deadline for receiving the scientific papers	The Network Center (NC)
2013	August-September	Revise all papers as appropriate format and research information	The Network Center (NC)
2013	September-December	Submitting to the SAC	Final draft of the papers
2013	December	Printing and delivery	Science Bulletin Vol. 3

**V. ACTION REQUIRED**

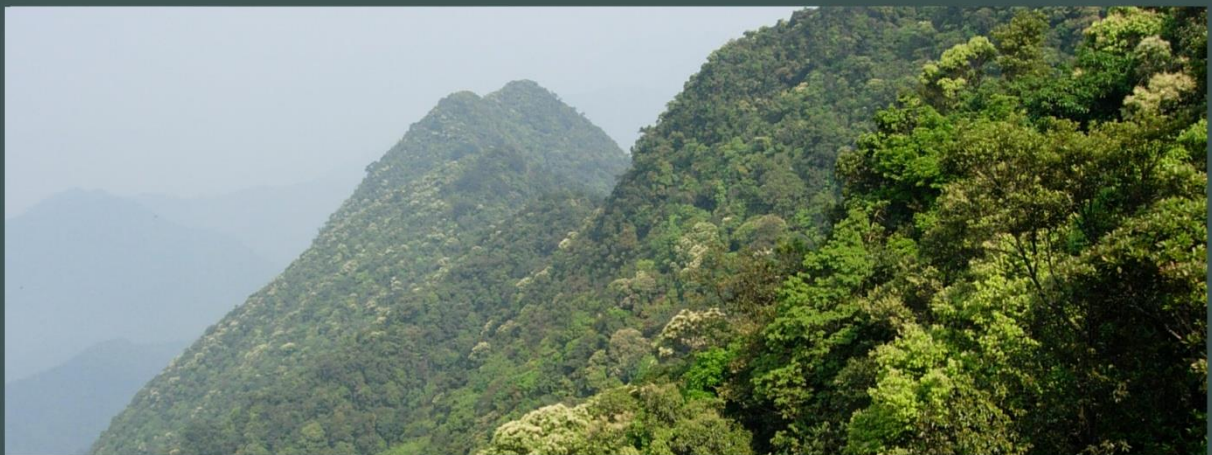
11. The SAC13 is invited to review the draft of the EANET Science Bulletin (Volume 3) and provided comments and suggestions to the NC for improvement as contents of the paper on ANNEX 1 as well as the full paper attached. Finally, the SAC13 is requested to endorse the EANET Science Bulletin (Volume 3).

Volume 3

September 2013

ISSN 1883-3608

# EANET Science Bulletin



*Bach Ma National Park, Vietnam*

**Acid Deposition Monitoring Network in East Asia (EANET)**

<http://www.eanet.asia>



**Acid Deposition Monitoring Network in East Asia  
(EANET)**

***Objectives***

- *Create a common understanding of the state of acid deposition in East Asia.*
- *Provide useful inputs for decision making at local, national and regional levels with the aim of preventing or reducing adverse impacts on the environment caused by acid deposition.*
- *Contribute to cooperation on issues related to acid deposition among the participating countries.*

**EANET Science Bulletin**

Volume 3

The EANET Science Bulletin is published by the Network Center for EANET once every two years. The Network Center is located at the Asia Center for Air Pollution Research (ACAP) in Niigata, Japan.

**Editorial Board**

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**Endorsed at the Thirteenth Session of the Scientific Advisory Committee of EANET**

## **Preface**

### **The EANET Science Bulletin Volume 3**

This is the EANET Science Bulletin Volume 3 of the Acid Deposition Monitoring Network in East Asia. The contents are comprised of the report of the EANET research fellowship program (2010-2012), joint projects of EANET with participating countries and scientific and technological research papers from participating countries. This science bulletin is followed the Medium Term Plan (MTP) for the EANET (2011-2015) that adopted by the Twelfth Session of the Intergovernmental Meeting (IG12) in 2010. The EANET science bulletin is the activity no 15 of the MTP which is the biennial publication in order to promote of the research studies, particularly, on the applicability of various methodologies for measurement of the air concentration in East Asia. The Fourteenth Session of the Intergovernmental Meeting (IG14) in 2012 also approved the budget for printing in according to the work program and budget plan of the EANET in 2013. Therefore, these research activities will be the great importance to achieve a better understanding of the atmospheric pollutants and impacts on the environment of the East Asian region which is the fastest economic growth in the world. Research results are very important and necessary for improving the situation of the scientific and technical matters of our EANET community. Therefore, we would like to thank all authors that contributed and supported the EANET research papers on this EANET science bulletin volume 3. Without all of you, it wouldn't be possible to obtain these such valuable results. Hence, we would like to thank all of you on this occasion.

Dr. Hajime Akimoto  
Director General  
Asia Center for Air Pollution (ACAP)  
Network Center for the EANET

September 2013

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*Message from the Editor*

This is a message to all participating countries of the EANET in order to convince all concerns to contribute the research papers for the EANET Science Bulletin. Therefore, this article raises some important current issues of the EANET that aims at achieving at present and in the future for our participating countries of the EANET to consider implementing them.

*Reports of the EANET Research Fellowship Program (2010-2012)*

The EANET Science Bulletin is issued every two-year period. While the Research Fellowships are obtained every year, sometimes, there was a person or two persons per year that was depended on budget availability. Therefore, the reports of two-year programs are included in the bulletin. This bulletin is the EANET Science Bulletin Volume 3 that collected the research results of the year 2010-2012 programs.

***Joint Projects of the EANET with Participating Countries***

EANET has also joint research projects with our participating countries on different activities, however, unfortunately, this bulletin is not available to obtain the completed results, because these projects are longer than two-year period, therefore, they are only progress reports involved included in this EANET Science Bulletin Volume 3.

***Scientific and Technological Research Papers from Participating Countries***

For our cooperation on research activities, we have some research papers from our participating countries that have been utilized the EANET data. Therefore, they are included in this part of the EANET Science Bulletin.



*Thailand*

Network Center for EANET  
Acid Deposition Monitoring Network in East Asia (EANET)  
Asia Center for Air Pollution Research (ACAP)  
1182 Sowa, Nishi-ku, Niigata-shi, 950-2144, Japan  
Tel: (+81) 25-263-0550  
Fax: (+81) 25-263-0566  
EANET website: <http://www.eanet.asia>

