

The Fourth Workshop on Public Awareness for Acid Deposition Problems
19 - 20 December 2003, Niigata, Japan

CHAIRPERSON'S SUMMARY

1. The Fourth Workshop on Public Awareness for Acid Deposition Problems was held in Niigata, Japan, on 19 and 20 December 2003, organized by the Network Center for the Acid Deposition Monitoring Network in East Asia (EANET), in collaboration with the Joetsu Environmental Science Center (JOESC) and the Niigata Prefectural Environmental Conservation Corporation (NPECC) of Japan.

Attendance

2. The Workshop consisted of the Part I and the Part II. The Part I was attended by approximately thirty participants and observers from EANET participating countries, namely, Cambodia, China, Indonesia, Japan, Lao P.D.R., Malaysia, Mongolia, Philippines, Russia, Thailand and Viet Nam. The list of the participants is attached as Annex.
3. In addition to the participants of the Part I, approximately two hundreds local residents in Niigata attended the Part II of the Workshop. They included children in the fifth grade of Meike Elementary School in Niigata City, who have been learning acid deposition problems in a special education class at school.

Background and Purpose

4. The ADORC serving as Network Center (the Interim Network Center during the preparatory phase) for EANET has been implementing the joint projects with China, Indonesia, Malaysia, Mongolia, Philippines, Russia, Thailand and Viet Nam to develop their own brochures/videotape for public awareness since Japanese Fiscal Year 1999. The Network Center for EANET (NC) held the First Workshop on Public Awareness for Acid Deposition Problems in February 2001 in Niigata, Japan attended by participants from relevant countries. In February 2002, NC held the Second Workshop in Beijing, China attended by participants from all the participating countries of EANET. The Third Workshop was held in Niigata in

February 2003 with the attendance of representatives from ten participating countries.

5. To further encourage and promote this kind of activities in each participating country, NC undertook the Fourth Workshop on Public Awareness for Acid Deposition Problems. One of the major objectives of the Workshop was to exchange information and share experiences on public awareness activities and environmental education among the participating countries. The discussion for this aim was held as the Part I of the Workshop on the first day at the Acid Deposition and Oxidant Research Center (ADORC) and on the morning of the second day at the Niigata Convention Center "Toki Messe."
6. The other major objective of the Workshop was to enhance public awareness activities among general public and school children. The Part II of the Workshop was organized for achieving this goal to be held on the afternoon of the second working day at Toki Messe. The participation of local citizens and pupils was indicated as the first important event that has not been conducted in the previous workshops.

Opening and Election of Chairperson

7. The Workshop commenced with the opening address by Dr. Jiang Wei, Coordinator, the Secretariat for EANET.
8. Dr. Tsumugu Totsuka, Director General of ADORC, serving as NC, introduced the objectives of the Workshop in his opening speech.
9. Ms. Bulgan Tumendemberel from Mongolia and Prof. Munetsugu Kawashima from Japan were elected as Co-chairpersons of the Workshop.

Part I

Introduction of the progress of EANET activities on public awareness

10. Introduction of the progress of EANET activities on public awareness was presented by Mr. Jiro Sato, NC with coverage of the background, short history and institutional arrangement of the EANET and previous activities directed to enhance

public awareness on acid deposition problems.

Presentations on country experience

11. Mr. Sophearith Thiv, Cambodia, made a presentation on the public awareness for acid deposition problems in Cambodia. Atmospheric pollution including acid deposition is pointed to be more concerned due to higher acceleration of industrial growth through encouraging investment, urbanization, high demands for living styles and increasing of consumption of second hand vehicles. Although there was no survey and evaluation of acid deposition and its effect in Cambodia due to many constraints, public awareness is being recognized and applied by the way of educating and disseminating of knowledge through environmental magazine, explaining and advising among the relevant factories' owners/managers and TV programs etc.
12. Mr. Liu Fang, China, presented Chinese public awareness in the field of acid deposition problems. Various activities has been implementing in China such as compiling brochures, developing videos, publishing of annual national environment report, utilizing news media, development of teaching material for middle school, management of relevant campaigns and awards. The environmental publicity on TV program, newspaper and web-sets, environmental education and the international environmental cooperation and communications are considered to include into future plan.
13. Ms. Astutie Widyarissantie, Indonesia, delivered a presentation on dissemination of acid deposition information by various ways and audiences. Seminars were carried out in cities with targeting groups of local government officers, NGOs, teachers, universities and industrial managers. Science camp was held with participation of 300 elementary school children to teach ozone layer protection, acid deposition and climate change. Environmental exhibitions were implemented in several cities to share information on impact of air pollution including acid deposition.
14. Mr. Takaaki Kobayashi, Japan, introduced the activities of environmental education at Meike elementary school. With the theme that mutual learning and close friendship, they have been implemented activities such as the time for conservation of environment, called "Nessie Time", including growing flowers in planters, utilizing biotope field, called "Bionessie", in the schoolyard, and collecting litters in

the school district. The learning of acid deposition was carried out as a program of the integrated lesson of 5th grade school children as well as maintenance of Bionessie and exploring Toyano lagoon to learn ecosystem.

15. Mr. Sivannakone Malivarn, Lao P.D.R., presented a review of current activities on public awareness program in Lao P.D.R. Development of Environment Education Awareness (EEA) and action plan, assessment of training needs and decentralization of EEA activities among provinces were conducted after set up of EEA core team and EEA working group to address national capacity building and training. Now the current activities include the environmental training for the public media, plan of an environmental campaign, development of the environment education training kit under the cooperation with Ministry of Education, issues of “Environmental newsletter” and strengthening of EEA networking.
16. Ms. Urban Siniarovina delivered a presentation on Malaysia’s experiences including awareness activities and programs, and future plans. MAWAR 90 was introduced as the project to educate young children in scientific knowledge and instill in them awareness and concern for environment, and to inculcate social responsibility by presenting of environment situation through data on acid rain monitoring. Special projects and awards were carried out such as Nature Heroes (Wira Alam) projects, Environmental Awareness Camp, Scrap Book Competition etc. It is planned as future activities to promote the public attraction to seek information on acid deposition, to formulate a policy that will encourage balanced and sustainable development, and involvement of the NGO and so on.
17. Ms. Bayarmaa Tumendemberel, Mongolia, presented public awareness on environmental protection and air pollution. Annual public awareness campaign on environmental protection includes the cleaning river bed and ravine, tree plantation, marathon race, propaganda/lecture on environmental policy and law etc. Mongolian brochure on acid deposition for students and “Household stoves” project including serial drama on FM radio, hall exhibition and development of poster and other awareness materials on air pollution were also introduced.
18. Ms. Carmelita M. Passe, Philippines, presented the various public awareness activities undertaken such as the development of print and audio-video materials on various environmental concerns. The preparation of the State of the Philippine Environment is also another major activity. Environmental education concepts are likewise being integrated in the school curriculum. Special events are conducted to

highlight the observance of World Environment Day, Clean Up the World Day, Earth Day and local environmental events. The publication of the brochure on acid deposition in English and local language and the conduct of awareness-raising seminars for various stakeholders were also pursued.

19. Dr. Anna A. Dodonova, Russia, delivered a presentation on public awareness issues in Russia and the joint brochure project. Historical activities for protection of nature were introduced with example of WOOP (Russian Society for Protection of Nature) created in 1924 and unfortunately put under rigid control of the government after 30 years of activity. The joint project for compiling the brochure on acid deposition control was explained to be targeted general public without special knowledge on acid deposition. This project will be completed in February 2004 and the brochure will be addressed to social institutions, NGOs, decision makers and students of non-environmental education.
20. Ms. Wassana Toruksa, Thailand, introduced the development of brochures on acid deposition since 1999. The Executive Committee for Public Awareness Program was established to review the public awareness program in Thailand. The first workshop on public awareness was held in Bangkok in 2000, particularly participated from Ministry of Education and Ministry of University Affair and other relevant agencies. The current activities are the preparation of brochures/posters (updates) and Video/VCD about transboundary acid deposition problems, planning to hold a workshop to give knowledge and understanding of acid deposition, and dissemination of brochures and VCD. Air Pollution and acid deposition articles are published in PCD Journals, via the electronic display board and Internet.
21. Ms. Phan Ban Mai, Viet Nam, made a presentation on public awareness on acid deposition in Vietnam. After development of the video set on acid deposition issues and brochure, the activities were carried out such as organizing of the workshop with students, researchers from institutes and other officers as target group to produce comments on the brochure's content, collaboration with related Ministries and Universities, and organizing of the training course for teachers and students. Many efforts have been made on propaganda in mass media facilities of newspaper, radio spot and video spot about the water and air pollution and toxic industrial waste, which were tried to be collaborated with acid deposition issues.

Demonstration of Program on Environmental Education

22. Dr. Masahisa Sato, Institute for Global Environmental Strategy (IGES), presented the ADORC-IGES Joint eLearning Project on acid deposition problems in East Asia region. The eCourse for eLearning of acid deposition problem has been carried out since 2002. The eCourse in Japanese version has almost been completed, and the English version will be completed and open to public in the beginning of 2004 after review by the committee on public awareness and working group of for development of eLearning in Japan. The developing contents of the eCourse in English were introduced to the participants for their review and comments, and examples of their experiences of environmental education in their countries were requested to be informed to ADORC for including of the examples into the eCourse.

Discussion on promotion of public awareness activities on acid deposition problems

23. Dr. Masahisa Sato made a presentation titled “Points to be Considered Learnt from the Practices, Public Awareness on Acid Deposition Problems in the Asia-Pacific Region”, and proposed for the participants to express their idea for promotion on public awareness activities in their countries in terms of “what”: topics and contents, “to whom”: target audiences and “How”: delivery system & communication channel. The participants presented their personal ideas with the worksheet filled in this session by them.

Wrap-up of the Part I

24. Prof. Hiroshi Hara, Tokyo University of Agriculture and Technology, Japan delivered a presentation as wrap-up of the part I of the Workshop. The importance of relationship between science and education was emphasized in terms of mutual understanding of scientific information and educational needs. Furthermore EANET is expected to create a newly synthesized discipline of science and propose novel values and views of life from East Asia to the rest of the world as a role of the regional international cooperation.

Part II

Opening

25. Dr. Tsumugu Totsuka, Director General of ADORC, addressed his opening speech on behalf of the Workshop Organizers. Mr. Masaki Takahashi, Vice Governor of Niigata Prefecture, and Mr. Akira Shinoda, Mayor of Niigata City gave their speeches.

Keynote speech

26. The keynote speech entitled "Environmental Education for Sustainable Development" was delivered by Dr. Anna A. Dodonova, Associate Professor, Department for the Problems of Sustainable Development, Mendeleev University of Chemical Technology of Russia, as an expert on environmental education. The important views were pointed in her speech as follows

Our common future depends on our ability to live in accordance to the carrying capacity and natural limits of our planet. The best way to do it is to educate people so that everyone could voluntarily change his or her lifestyle to be more friendly to the environment. Environmental education and awareness cannot be existed as single (isolated) ones without the other issues; to be environmentally educated means to be aware of how to live in peace with the Earth and vice versa.

The education for sustainable development becomes more critical than it has ever been providing a knowledge under current ecological and social contexts - including population growth, depletion of the natural resources, environmental and food contamination, decline of biodiversity, climate change, the increasing of globalization, and persistent gender inequalities in education and control of resources.

Presentation on outcomes from environmental learning

27. The children in the fifth grade of Meike Elementary School, Niigata, Japan have been studying acid deposition problems in a class for the "integrated study" since October 2003. Representatives of school children introduced achievements of their study.

Report of output from the Part I of the Workshop

28. Mr. Ken Yamashita, NC made a short presentation on the outputs from Part I of the workshop with introduction of history and various activities of EANET.

Discussion in the small groups

29. The audience has divided into five small groups and each group discussed global/regional environmental problems from the viewpoint of citizen and school children. The discussions were led by facilitators (local NGO members relevant to environment conservation) as initiated with the introduction of environmental problems in East Asia and advices by the participants of participating countries of EANET.

Report on the discussion in the small groups

30. Representatives of each small group, school children or citizens, reported the outputs from the discussion with memorandum papers on big panels prepared during the discussion. The activities for environment conservation such as correspondent practical behaviors on daily life were presented under the relationship with the global/regional environmental problems that should be considered to solve not only by policy makers and scientist but also by general public and school children.

Wrap-up

31. Prof. Kawashima gave the closing remarks on the Workshop especially on outcomes of its Part II.

32. The Co-chairpersons of the Workshop stated that they would draw up the Chairperson's Summary of the Workshop as soon as possible.

Closing

33. The Workshop was closed. All participants and observers expressed their gratitude and appreciation for the efforts made by the organizers and the host country for arrangement of this important Workshop.

20 December 2003

Niigata, Japan

Bulgan Tumendemberel

Munetsugu Kawashima

Co-Chairpersons

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List of Participants

20 December 2003

Participants

CAMBODIA

Mr. Sophearith Thiv
Vice Chief of Office
Environmental Pollution Control
Ministry of Environment
No.48, St. Preah Sihanouk, Tonle Bassac
Chamkarmon, Phom Pehn
Cambodia
Tel: +855-12-858-509
Fax: +855-23-987-880
E-mail: rith72@yahoo.com

CHINA

Mr. Liu Fang
Deputy Director (Senior Engineer)
Air Monitoring Division
China National Environmental Monitoring Center
#1 Yuhuinanlu, beisihuandonglu Beijing 100029 P.R.
China
Tel: +86-10-84636375
Fax: +86-10-84650863
E-mail: fangliu@zhb.gov.cn
fangliucmenc@yahoo.com.cn

INDONESIA

Ms. Astutie Widyarissantie
Staff, Assistant Deputy for Atmosphere and Climate
Change
Ministry of Environment
Gd. B, 4th Fl., Jl. Di Panjaitan Kav. 24
Jakarta Timur 13410
Indonesia
Tel: +62-21-8517164
Fax: +62-21-85902521
E-mail: santie@menlh.go.id
astutie@yahoo.com

JAPAN

Ms. Motoko Egashira
Director
Japan Environmental Education Society
5-43-37 Kokuryo-cho, Chofu, Tokyo 182-0022
Japan
Tel: +81-3-3464-0670
Fax: +81-3-5457-0094

Dr. Munetsugu Kawashima
Professor
Faculty of Education
Shiga University
2-5-1 Hiratsu, Otsu, Shiga 520-0862
Japan

Tel: +81-77-537-7743
Fax: +81-77-537-7743
E-mail: kawa@sue.shiga-u.ac.jp

Dr. Hiroshi Hara
Professor
Field Science Center
Tokyo University of Agriculture and Technology
3-5-8 Saiwaicho, Fuchu, Tokyo 183-8509
Japan
Tel: +81-42-367-5818
Fax: +81-42-367-5818
E-mail: harahrs@cc.tuat.ac.jp

Dr. Haruo Fukuhara
Professor
Faculty of Education and Human Sciences
Niigata University
2-8050 Ikarashi, Niigata 950-2181
Japan
Tel: +81-25-262-7155
Fax: +81-25-262-7155
E-mail: fukuhara@ed.niigata-u.ac.jp

Mr. Ryo Mori
Director
Eco Communication Center
3-17-24 Mejiro, Toshima-ku, Tokyo 171-0031
Japan
Tel: +81-3-5982-8081
Fax: +81-3-5982-8249
E-mail: npo-ecom@crux.ocn.ne.jp

Dr. Masahisa Sato
Research Associate
Institute for Global Environmental Strategies (IGES)
2108-11 Kamiyamaguchi, Hayama, Kanagawa
240-0115, Japan
Tel: +81-468-55-3743
Fax: +81-468-55-3809
E-mail: m-sato@iges.or.jp

Mr. Hiroshi Hoshino
Manager
General Affairs Department
Environmental Science Research Niigata
8-13 Higashisakae-cho, Yoshida-machi
Nishikanbara-gun, Niigata 959-0291
Japan
Tel: +81-256-93-4509
Fax: +81-256-92-6899
E-mail: hh@ns.kanken-net.or.jp

Mr. Takaaki Kobayashi
Principal
Meike Elementary School
6-4-1 Meike, Niigata 950-0941
Japan
Tel: +81-25-285-6795
Fax: +81-25-285-5520

E-mail: winpasse@yahoo.com

LAO People's Democratic Republic

Mr. Sivannakone Malivarn
 Head of Air and Noise Quality Monitoring Unit
 Environment Quality Monitoring Center of
 Environment Research Institute
 Science Technology and Environment Agency
 (STEA)
 P.O.Box: 2279, Vientiane
 Lao PDR
 Tel: +856-21-217650
 Fax: +856-21-213472
 E-mail: k_malivarn@yahoo.com

MALAYSIA

Ms. Urban Siniarovina
 Meteorologist, Environmental Studies Division
 Malaysian Meteorological Service
 Jalan Sultan, 46667 Petaling Jaya
 Malaysia
 Tel: +603-79678070
 Fax: +603-79578046
 E-mail: sinia@kjc.gov.my

MONGOLIA

Ms. Bulgan Tumendemberel
 Chief engineer
 Central Laboratory of Environmental Monitoring
 P.O. Box-150, Ulaanbaatar-36
 Mongolia
 Tel: +976-11-341818
 Fax: +976-11-460777
 E-mail: clem@mongol.net

Ms. Bayarmaa Tumendemberel
 Manager
 Mongol Engineer Company
 P.O. Box-320, Ulaanbaatar-44
 Mongolia
 Tel: +976-99-116702
 Fax: +976-11-683192
 E-mail: erbam4@yahoo.com

PHILIPPINES

Ms. Carmelita Macadangdang Passe
 Media production Specialist III
 Environmental Education and Information Division
 Environmental Management Bureau
 Department of Environment and Natural Resources
 2/F, HRD Bldg., DENR Compound, Visayas Avenue,
 Quezon City
 Philippines 1116
 Tel: +632-920-2251/2252
 Fax: +632-920-2251/2252

RUSSIA

Dr. Anna Anatolyevna Dodonova
 Associate Professor
 Institute of Chemistry and Problems for Sustainable
 Development
 Mendeleev University of Chemical Technology of
 Russia
 Miusskaya pl., 9, Moscow, 125047
 Russia
 Tel: +7-095-978-78-58
 Fax: +7-095-978-78-58
 E-mail: dodona@muctr.edu.ru

THAILAND

Ms. Wassana Toruksa
 Environmental Officer
 Ambient Air Quality Division
 Air Quality and Noise Management Bureau
 Pollution Control Department
 92 Soi Phahonyothis7, Sam Sen Nai, Phayathai
 Bangkok 10400
 Thailand
 Tel: +66-2-298-2373
 Fax: +66-2-298-2392
 E-mail: wtoruksa@yahoo.com
 wassanato@hotmail.com

VIET NAM

Ms. Phan Ban Mai
 Senior Researcher, Atmospheric Air Pollution
 Water and Air Environment Research Center
 Institute of Meteorology and Hydrology
 62 Nguyen Chi Thanh Avenue, Dong Da District, Ha
 Noi, Viet Nam
 Tel: +84-4-8343506
 Fax: +84-4-8355993
 E-mail: phanbanmai@yahoo.com

Resource Persons**Niigata Prefecture**

Mr. Yoshio Mizushima
 Senior Section Chief
 Environmental Management Division
 Department of Environmental and Civic Affairs
 Niigata Prefectural Government
 4-1 Shinko-cho, Niigata 950-8570
 Japan
 Tel: +81-25-280-5154
 Fax: +81-25-280-5166

E-mail: s030160@mail.pref.niigata.jp

Dr. Norio Fukuzaki
Chief, Information and Investigation Section
Niigata Prefectural Institute of Public Health and
Environmental Sciences
314-1 Sowa, Niigata-shi 950-2144
Japan
Tel: +81-25-263-9412
Fax: +81-25-263-9410
E-mail: hokanken@mub.biglobe.ne.jp

Observers

Niigata Prefectural Liaison Council for Acid Deposition Research

Dr. Kiyomichi Aoyama
Professor
The Research Institute for Hazards in Showly Areas
Niigata University
8050 Ikarashi Ninocho, Niigata 950-2181
Japan
Tel: +81-25-262-7053
Fax: +81-25-262-7050
E-mail: aoyamak@gs.niigata-u.ac.jp

Dr. Yoji Taguchi
Assistant Professor, Faculty of Engineering
Niigata University
8050 Ikarashi 2-no-cho, Niigata 950-2181
Japan
Tel: +81-25-262-6787
Fax: +81-25-264-2024
E-mail: taguchi@eng.niigata-u.ac.jp

Dr. Koichi Katoh
Head, Katoh Chemical
7492-140 Ikarashi 2-no-cho, Niigata 950-2102
Japan
Tel: +81-25-262-3129
Fax: +81-25-261-3407
E-mail: kmkatoh@suite.plala.or.jp

Hokuetsu Local Environment Information Office, Ministry of the Environment

Mr. Hidekazu Kuraya
Head
4th fl., 7-2 Shinko-cho, Niigata 950-0965
Japan
Tel: +81-25-288-0735
Fax: +81-25-285-6930
E-mail: hidekazu_kuraya@env.go.jp

Mr. Minoru Ikeda
Local Environment Affairs Officer

4th fl., 7-2 Shinko-cho, Niigata 950-0965
Japan
Tel: +81-25-288-0735
Fax: +81-25-285-6930
E-mail: minoru2_ikeda@env.go.jp

The Institute of Environmental Geological Sciences

Mr. Takanori Fujimoto
Chief, Environmental Research Section
10-2 Shinko-cho, Niigata 950-0965
Japan
Tel: +81-25-281-1001
Fax: +81-25-281-0003
E-mail: info@iges.or.jp

Niigata Science Museum

Mr. Toshiaki Iwami
Chief Curator
3-1-1 Meike-minami, Niigata 950-0948
Japan
Tel: +81-25-283-3331
Fax: +81-25-283-3336
E-mail: nsm-rikou@cronos.ocn.ne.jp

Facilitators for Group Discussion in the Part II

Mr. Akira Ichishima
President
EE Network "Wonder Square"

Mr. Akihiko Konishi

Ms. Maiko Komi

Mr. Yukio Tachibana
Member
EE Network "Wonder Square"

Mr. Satoshi Akahane
Student
Niigata University

Mr. Naoto Nakano
Sub Facilitator
EE Network "Wonder Square"

Ms. Miho Nishiyama
EE Network "Wonder Square"
Niigata University "Meshinisunbe"

Ms. Kazue Hiyama

Sub Facilitator
Niigata University “Meshinisunbe”

Ms. Toshiyuki Furukawa
Student
Niigata University “Meshinisunbe”

Volunteer Interpreters

Ms. Sakuko Fushimi

Ms. Yumiko Honma

Ms. Reiko Suda

Secretariat for EANET

UNEP Regional Resource Center for Asia and the Pacific (RRC. AP)

Dr. Jiang Wei
Coordinator
EANET Secretariat
UNEP Regional Resource Center for Asia and the
Pacific (RRC. AP)
c/o Asian Institute of Technology
3rd Floor, Outreach Building
P.O. Box4, Klongluang, Pathumthani 12120
Thailand
Tel: +66-2-524-5366
Fax: +66-2-524-6233
E-mail: Wei.Jiang@rrcap.unep.org

Secretariat of Workshop

Network Center

Acid Deposition and Oxidant Research Center
(ADORC)
1182 Sowa, Niigata 950-2144
Japan
Tel: +81-25-263-0550
Fax: +81-25-263-0566
E-mail: eanet@adorc.gr.jp

Dr. Tsumugu Totsuka
Director General
Tel: +81-25-263-0551
Fax: +81-25-263-0566
E-mail: totsuka@adorc.gr.jp

Dr. Sergey Arkadyevich Gromov
Deputy Director General
Tel: +81-25-263-0552
Fax: +81-25-263-0566
E-mail: gromov@adorc.gr.jp

Mr. Motokazu Iwata
Deputy Director General
Tel: +81-25-263-0553
Fax: +81-25-263-0567
E-mail: iwata@adorc.gr.jp

Mr. Teruo Shimanuki
Head
General Affairs Department
Tel: +81-25-263-0554
Fax: +81-25-263-0566
E-mail: shimanuki@adorc.gr.jp

Mr. Akihito Morizumi
Head Clerk
General Affairs Department
Tel: +81-25-263-0550
Fax: +81-25-263-0566
E-mail: morizumi@adorc.gr.jp

Ms. Emiko Kato
Administrative Staff
General Affairs Department
Tel: +81-25-263-0551
Fax: +81-25-263-0566
E-mail: ekato@adorc.gr.jp

Ms. Aya Ohashi
Administrative Staff
General Affairs Department
Tel: +81-25-263-0550
Fax: +81-25-263-0566
E-mail: ohashi@adorc.gr.jp

Mr. Jiro Sato
Head
Planning and Training Department
Tel: +81-25-263-0555
Fax: +81-25-263-0567
E-mail: sato@adorc.gr.jp

Mr. Ken Yamashita
Chief Senior Researcher
Planning and Training Department
Tel: +81-25-263-0556
Fax: +81-25-263-0567
E-mail: yamashita@adorc.gr.jp

Ms. Ayako Kawauchi
Administrative Staff
Planning and Training Department
Tel: +81-25-263-0556
Fax: +81-25-263-0567
E-mail: kawauchi@adorc.gr.jp

Dr. Tsuyoshi Ohizumi
Head
Atmospheric Research Department
Tel: +81-25-263-0557
Fax: +81-25-263-0567
E-mail: ohizumi@adorc.gr.jp

Mr. Toshiyasu Matsui
Researcher
Atmospheric Research Department
Tel: +81-25-263-0558
Fax: +81-25-263-0567
E-mail: matsui@adorc.gr.jp

Dr. Hiroyuki Sase
Senior Researcher
Ecological Impacts Research Department
Tel: +81-25-263-0560
Fax: +81-25-263-0567
E-mail: sase@adorc.gr.jp

Mr. Hiroyasu Kobayashi
Researcher
Ecological Impacts Research Department
Tel: +81-25-263-0560
Fax: +81-25-263-0567
E-mail: kobayashi@adorc.gr.jp

Mr. Akiomi Takahashi
Researcher
Ecological Impacts Research Department
Tel: +81-25-263-0560
Fax: +81-25-263-0567
E-mail: takahashi@adorc.gr.jp

Dr. Hisashi Hasome
Head
Data Management Department
Tel: +81-25-263-0561
Fax: +81-25-263-0567
E-mail: hasome@adorc.gr.jp

Mr. Yuzuru Nishikawa
Principal Researcher
Data Management Department
Tel: +81-25-263-0559
Fax: +81-25-263-0567
E-mail: nishikawa@adorc.gr.jp

Dr. Kazuhide Matsuda
Senior Researcher
Data Management Department
Tel: +81-25-263-0562
Fax: +81-25-263-0567
E-mail: matsuda@adorc.gr.jp

Dr. Zhiwei Han
Researcher
Data Management Department

Tel: +81-25-263-0562
Fax: +81-25-263-0567
E-mail: an@adorc.gr.jp

Ms. Ayako Aoyagi
Researcher
Data Management Department
Tel: +81-25-263-0562
Fax: +81-25-263-0567
E-mail: aoyagi@adorc.gr.jp

Joetsu Environmental Science Center

1666 Shimomonzen, Joetsu, Niigata 942-0063
Japan

Mr. Yasuji Hayatsu
Director, Deputy General Manager
Tel: +81-25-543-7664
Fax: +81-25-543-7882
E-mail: y.hayatsu@jo-kan.or.jp

Mr. Shigeru Sato
Environment Manager
Environment Division
Tel: +81-25-544-5021
Fax: +81-25-545-2498
E-mail: sato-s@jo-kan.or.jp

Mr. Masato Ogi
Staff
General Affairs Section
Tel: +81-25-543-7664
Fax: +81-25-543-7882
E-mail: ogi@jo-kan.or.jp

Niigata Prefectural Environmental Conservation Corporation

Niigata Office
1182 Sowa, Niigata 950-2144
Japan
Tel: +81-25-239-5750
Fax: +81-25-239-5755

Mr. Ryuushou Hori
Managing Director
E-mail: kyokutyou@eco-niigata.or.jp

Mr. Yasushi Adachi
Section Chief
E-mail: adachi@eco-niigata.or.jp

Mr. Kenichi Yamada
Chief
E-mail: k-yamada@eco-niigata.or.jp

Ms. Kimiko Nanba
Manager

E-mail: nanba@eco-niigata.or.jp

Eco-Park Izumozaki

884 Inagawa, Izumozaki-machi, Santou-gun

Niigata, 949-4331

Japan

Tel: +81-258-41-7800

Fax: +81-258-41-7802

Mr. Shinichi Yamamoto

Head

E-mail: yamamoto@eco-niigata.or.jp

Mr. Masaaki Shirakura

Deputy Manager

E-mail: shirakura@eco-niigata.or.jp

Mr. Tooru Yoshitake

Chief

E-mail: yoshitake@eco-niigata.or.jp

Mr. Hitoshi Nozawa

Deputy Chief

E-mail: nozawa@eco-niigata.or.jp

Joetsu Office

2963 Higashinakajima, Joetsu, Niigata 942-0036

Japan

Tel: +81-25-539-1190

Fax: +81-25-539-1191

Mr. Shunsuke Motoyama

Head

E-mail: motoyama@eco-niigata.or.jp