

# 2021 Fiscal Year



# Minamata Environmental Academia Activities Report



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Minamata City Community Support Division  
Minamata Environmental Academia

# Introduction

The Minamata Environmental Academia was established in April 2016, as a center for higher education, research, and collaboration between industry, academia, government, and the general public. Since then, the Academia has welcomed high school students, university students, and researchers from Japan and abroad.

Based on the lessons learned from Minamata disease, we conduct projects such as human resource development and information dissemination in order to promote our efforts towards the formation of a sustainable local community, not only in the Minamata area, but also throughout Japan and abroad. We also host training for regional government officials and Ministry of the Environment staff, as well as workshops and symposiums sponsored by international organizations.

In fiscal year 2021, although the novel coronavirus disease continued to affect us, we implemented projects such as the Minamata Environmental Academia Symposium, public lectures, and programming workshops, while taking measures to prevent the spread of infectious diseases, such as utilizing online conference tools and limiting attendance numbers.

While online training has the disadvantage of being harder to convey than in-person training, it has the advantage of allowing people in distant locations to participate.

Under these circumstances, we were able to implement the projects in hybrid ways, such as using both in-person and remote methods.

Although the situation regarding the novel coronavirus disease continues to pose challenges, we will continue to promote the activities of the Minamata Environmental Academia with your support and cooperation.



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# Fiscal Year 2021 Project Implementation Status

Project Category	Project Name	Project Overview	Status	Notes
Promotion of Education/ Research Activities	Minamata Environmental Academia Project for Promotion of Survey and Research Activities	Visits universities and research institutions in Japan and overseas. Mutual cooperation and strength/expand networks	Partially Completed	Prefectural University of Kumamoto, IGES Kitakyushu Urban Center, JICA Kyushu, etc.
	Junior/Senior High School Student Research Support Project	①Research experience program ②Programming workshops	①Completed with changes ②Partially Completed	(Pages 9 and 10)
Hosting Study Tours and Training	Hosting Training programs with universities	Hosting Training programs with Keio University, Prefectural University of Kumamoto, etc.	Completed	Completed on-site field work, online training (page 11)
	Remote Lectures	Remote lectures, using online conference tools.	Completed	Keio University remote lecture (page 4)
	Minamata Sakura Online Training Program	Online training, Utilizing the “SAKURA SCIENCE Exchange Program” by the Japan Science and Technology Agency (JST)	Completed with changes	Due to movement restrictions imposed by the coronavirus pandemic, training was conducted online (page 12)
	National Environmental Research and Training Institute (NETI) – Minamata Training	Hosting a training program, for Ministry of the Environment staff and local government staff, run by NETI	Cancelled	Cancelled due to the coronavirus pandemic
Fostering Human Resources	Minamata Environmental Academia Symposium	A symposium to create new learning opportunities for residents.	Completed	(Page 2)
	Public Seminars	Lectures about topics and issues familiar to residents.	Completed	(Page 3)
	Junior Science Seminar	Science experiment classes for elementary and junior school students	Cancelled	Cancelled due to the coronavirus pandemic
Minamata High School Support Projects	High School-University Collaborative Future School	Human resources development between Minamata High School and universities partnered with Minamata City	Partially Completed	①Kei University (page 7) ②Vietnam Japan University (page 8)
	Mokuiku (“Wood Learning”) Workshop (Industry-Academia-Government Collaborative Project)	A collaborate workshop between industry, academia, and government, based on the theme of local lumber.	Completed	(Page 6)
	Minamata High School SDGs Workshop	Workshops that foster human resources related to SDGs	Completed	(Page 5)
International Support Programs	International Support Programs	Speaking out about Minamata’s lessons and experiences to the world.	Partially Completed	(Page 12)
Information Dissemination	Information Dissemination Infrastructure Development Project	Created a report of project achievements for FY2020, a five-year activity report, a collection of SDGs initiatives, and panels in the Minamata Environmental Academia.	Completed	



# The Minamata Environmental Academia Symposium

Held as an opportunity for residents to gain leading “knowledge.”

The theme of the symposium was “creating a sustainable community by utilizing local resources,” following Minamata being recognized as an “SDGs Future City” by the national government in 2020. Keynote speaker Junichi Fujino, IGES Integrated Sustainability Center, spoke about global SDGs trends and other examples from domestic local governments.

Also, in the panel discussion, panelists from a variety of fields gave presentations about SDGs initiatives in Minamata.

Date: 21 October 2021 (Thu) 13:30~16:00

Location: Minamata Environmental Academia, 4F Seminar Room 3

Participants: 86 (incl. 43 online participants)

## 1 Keynote Speech

Theme: Community development based on SDGs

Speaker: Junichi Fujino, Ph.D.

Programme Director/Senior Research Fellow

Integrated Sustainability Center

Institute for Global Environmental Strategies (IGES)



## 2 Panel Discussion

Theme: Creating a sustainable community by utilizing local resources

Panelists: Makoto Shimada (President, Kumamoto Consumer Cooperative Association)

Kazunori Sakaguchi (Executive Committee Chairman, Minamata Japanese Black Tea Association)

Koki Tsuruyama (Principal, Minamata High School)

Toshiharu Takaoka (Mayor of Minamata City)

Coordinator: Ryota Shinohara (Director, Kumamoto Prefectural Center of Environmental Education and Information)

Commentator: Junichi Fujino (IGES),

Minoru Koga (Director, Minamata Environmental Academia)



# Minamata Environmental Academia Public Seminars

Minamata Environmental Academia cooperates with universities and researchers to host regular public seminars, based on themes that are familiar and useful to the lives of residents, with the aim of fostering the development of human resources, and a sustainable local community.

The seminars included workshops in which participants not only listened to what was being said, but actively engaged in thinking about the topic.

## Responding to the Global Environment from the Perspective of the Automotive Industry

**Date:** 4 September 2021 (Sat)  
**Lecturer:** Masaaki Ejima, Manager, Planning and Promotion Office, Mobility Services Division, UT Mobility Service Co.  
**Participants:** 55



This lecture introduced the origins of the automotive industry, environmentally-friendly initiatives towards achieving carbon-neutrality, and “MaaS,” which utilizes the latest technology to enable mobility without relying on car ownership. After the lecture, participants moved outdoors to see the Hydrogen Fuel Cell Vehicle “MIRAI” in action.

## Ethical Consumption to Change Tomorrow ~Wisely update what you buy and how you buy it

**Date:** 13 November 2021 (Sat)  
**Lecturer:** Katsuhiko Sawa, Coordinator, Environmental Partnership Office Kyushu  
**Participants:** 23



This lecture introduced the concept of ethical consumption and how to perceive it in order to review and update our daily lives with SDGs in mind. In the second half, there was group work conducted using cards.

## SDGs Connected to our Lives

**Date:** 3 July 2021 (Sat)  
**Lecturer:** Minoru Koga, Ph.D., Director General, Minamata Environmental Academia  
**Participants:** 53



This seminar provided an overview of SDGs, and introduced them in particular from the perspective of “daily lives.” The latter half of the lecture consisted of individual and group workshops under the theme of “SDGs in my daily life.”

## Anger Management

~Let's break the chains of anger~

**Date:** 15 January 2022 (Sat)  
**Lecturer:** Takafumi Miyamoto, Anger Management Facilitator, Japan Anger Management Association  
**Participants:** 34



This lecture introduced the basics of “anger management,” a psychological training program for dealing with feelings of anger, and introduced three techniques for controlling them.

## Overseas Expansion by Kumamoto Companies, Connected by JETRO

**Date:** 19 February 2022 (Sat)  
**Lecturer:** Hirofumi Saito, Director, Japan External Trade Organization (JETRO)  
**Participants:** 23



The lecturer gave an overview of JETRO, introduced examples of support for overseas expansion for companies in Kumamoto Prefecture, and discussed his own experiences in supporting companies and the benefits of international work.

# Remote Lectures

Minamata Environmental Academia hosts remote lectures by making use of online conference tools. We have held remote lectures various partners, such as Minamata High School x Keio University, Minamata High School x Vietnam Japan University (Vietnam), Minamata City x Keio University, etc., to spread the knowledge, wisdom and lessons that Minamata has to offer.

Date		Content
Jun 1	Keio University ⇄ Kumamoto Prefecture Community Support Division	The Minamata-Ashikita Regional Development Plan
Jun 2	Minamata High School ⇄ Vietnam Japan University (Vietnam)	High School x University Collaborative Future School ① About Vietnam and Vietnam Japan University
Jun 18	Vietnam Japan University (Vietnam) ⇄ Minamata City	High School x University Collaborative Future School ② About Minamata City
Sep 25	Prefectural University of Nagasaki ⇄ Minamata City	Minamata Online Training ① Overview of Minamata City, Industry, etc.
Sep 26	Prefectural University of Nagasaki ⇄ Minamata City	Minamata Online Training ② Airinkan Kugino Rural Center, Remote Field Work, etc.
Sep 27	Prefectural University of Nagasaki ⇄ Minamata City	Minamata Online Training ③ Discussion
Nov 2	Keio University ⇄ Kumamoto Prefectural Office, Minamata Disease Health Division	Minamata Disease Countermeasures in Kumamoto Prefecture
Dec 8	Keio University ⇄ MONT-VERT Noyama	Raising Pigs to Raise Mountains
Dec 22	Prefectural University of Nagasaki ⇄ Minamata City	Online Debriefing “Initiatives towards becoming an SDGs Future City”

## Minamata City, etc. ⇄ Keio University

Date: 1 June 2021 (Tue)  
 Theme: The Minamata-Ashikita Regional Development Plan  
 Lecturer: Kumamoto Prefectural Office, Community Support Division  
 Audience: Keio University Students (13)

Date: 8 December 2021 (Tue)  
 Theme: Raising Pigs to Raise Mountains  
 Lecturer: Mr. Fumiyasu Noyama  
 MONT-VERT Noyama  
 Audience: 21 Total (15 Keio University Students, 6 Minamata High School Students)

Date: 2 November 2021 (Tue)  
 Theme: Minamata Disease Countermeasures in Kumamoto Prefecture  
 Lecturer: Kumamoto Prefectural Office, Minamata Disease Health Division  
 Audience: Keio University Students (14)





# Minamata High School SDGs Workshop

Date: 12 Oct (Tue) Participants: Minamata High School 2<sup>nd</sup> Years Students(37)

In support of Minamata High School and to achieve the vision of “a vibrant city where everyone is happy and smiling” for 2030, as outlined in the “Minamata City SDGs Future City Project,” a workshop was held to promote awareness and understanding of SDGs, as well as to develop human resources in the younger generation who will be responsible for the future of SDGs.

## 【Lecture】

「SDGs Connected to our Lives」

Lecturer: Minoru Koga, Ph.D.,  
Director General, Minamata  
Environmental Academia



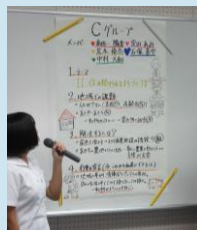
## 【Group Work】

Students were split into seven groups, where they decided on one of the 17 Sustainable Development Goals as a theme. Then, they discussed why they chose that goal, what issues exist in the community related to that goal, and what they can do to achieve the goal, summarizing their findings on a single poster.



## 【Presentations】

Each group made a presentation based on the posters that they made. Then, they received feedback from Minamata High School Vice-Principal Somemura. Finally, Director Koga, Minamata Environmental Academia provided general comments.



	Goal	Issues	Declaration of Action
A	12 RESPONSIBLE CONSUMPTION AND PRODUCTION 14 LIFE BELOW WATER	<ul style="list-style-type: none"> <li>Local specialties are not well known</li> <li>Marine plastic problems</li> </ul>	<ul style="list-style-type: none"> <li>Let's learn about local specialty goods!</li> <li>Let's collect litter when we find it!</li> </ul>
B	10 REDUCED INEQUALITIES 14 LIFE BELOW WATER	<ul style="list-style-type: none"> <li>Lack of interest in Minamata among people outside the city</li> <li>Bound by appearance due to gender differences</li> </ul>	Let's start with the small problems around us!
C	11 SUSTAINABLE CITIES AND COMMUNITIES	<ul style="list-style-type: none"> <li>Population decline</li> <li>Many vacant houses and lots</li> </ul>	<ul style="list-style-type: none"> <li>Participation in local volunteer mowing and cleanup activities</li> <li>Avoid throwing away rubbish in your daily life, and collect rubbish</li> </ul>
D	4 QUALITY EDUCATION 16 PEACE, JUSTICE AND STRONG INSTITUTIONS	<ul style="list-style-type: none"> <li>The importance of English education</li> <li>Promoting understanding of the Minamata Convention</li> </ul>	To solve this challenge, we will work to improve our English ability. We will also work to inform many people about the Minamata Convention and other issues.
E	3 GOOD HEALTH AND WELL-BEING 10 REDUCED INEQUALITIES 16 PEACE, JUSTICE AND STRONG INSTITUTIONS	<ul style="list-style-type: none"> <li>Discrimination due to differences in understanding of Minamata disease</li> <li>Lessons in communication due to declining Minamata disease victims</li> </ul>	<ul style="list-style-type: none"> <li>We will continue to speak up about Minamata disease</li> <li>We will carry on the wishes of the victims of Minamata disease</li> </ul>
F	11 SUSTAINABLE CITIES AND COMMUNITIES	<ul style="list-style-type: none"> <li>Depopulation</li> <li>Aging population and few children</li> </ul>	<ul style="list-style-type: none"> <li>Actively engage in discussion and make suggestions to the adults around us</li> <li>Learn about our community, and make use of it</li> </ul>
G	3 GOOD HEALTH AND WELL-BEING 11 SUSTAINABLE CITIES AND COMMUNITIES	<ul style="list-style-type: none"> <li>Fewer events and opportunities for exercise due to coronavirus</li> <li>Lack of exercise among the elderly</li> </ul>	<ul style="list-style-type: none"> <li>Consider high school-organized events where exercise is possible</li> <li>Develop regular lifestyle habits from a young age, and keep a health savings account</li> <li>Promote community exchange through events</li> </ul>



# Mokuiku (“Wood Learning”) Workshop (Industry-Academia-Government Collaborative Project)

Participants: Minamata High School, Department of Electrical and Architectural Systems, Architecture Course 3<sup>rd</sup> Year Students (4)

The Minamata Environmental Academia provides opportunities to learn about sustainable community development, such as forest conservation, by building connections between industry, academia, and government, with local lumber at its core, and by supporting research activities at Minamata High School.

Minamata High School students received lectures from forestry and design industry figures on the topics of “the current state and challenges in forest conservation,” and “the use of wood in the new city hall,” followed by a workshop designing wooden furniture for the kids’ corner of the new city hall building. The furniture was hand-made under the supervision of craftsmen while learning the techniques involved in wooden furniture production.

## 【Lecture】

- Date: 18 June (Fri) (1) Lecture ① “Forest conservation in Minamata, and the current situation and issues surrounding local lumber”  
Lecturer: Mikio Ogata, Forest Management Planner, Wood one LLC
- (2) Lecture ② “The new Minamata City Hall building and the use of trees”  
Lecturer: Kei Yoshinaga, Representative Director, KAY Architects Co.
- (3) Product inspection



## 【Construction Workshop】

Constructing wooden products under the watch of an expert  
(Minamata City Carpentry Association)

Period: Jul~Oct 2021

Location: Minamata High School

Product: Fixtures for the kids corner in the new Minamata City Hall



## 【Minamata New City Hall Building Completion Ceremony and Inspection】

Date: 11 December (Sat)

A kids corner was set up in conjunction with the completion of the new Minamata City Hall building. At the opening inspection of the building, Minamata High School students explained to visitors what they had learned and what they had designed for the children.



# High School-University Collaborative Future School

With the aim of fostering human resources who will be responsible for the future of the region, a “High School-University Collaborative Future School” was held by Minamata High School and universities (Keio University and Vietnam Japan University) that have partnerships with Minamata City.

## (1) Keio University × Minamata High School

A high school-university collaborative future school was held between Minamata High School and Keio University, which has a cooperation and collaboration agreement with Minamata City

By utilizing online conferencing tools, a workshop was held to think about “Minamata, Past, Present, and Future” by reproducing Minamata on a map using the computer software Minecraft. Professor Uehara from Keio University conducted lectures on the topics of “Why Learn Programming,” “The Structure of Minecraft,” and “Reproducing Minamata in Minecraft.” We learned about different ways to use programming in Minecraft.

### 【Session 1】

Date: 8 June (Tue)

Location: Keio University ⇄ Minamata High School (Online)

Participants: 51 (39 from Minamata High School, 12 from Keio University)

Content: Lecture “Minecraft and Programming”



### 【Session 2】

Date: 22 June (Tue) 16:30~18:00

Location: Keio University ⇄ Minamata High School (Online)

Participants: 51 (39 from Minamata High School, 12 from Keio University)

Content:

- Presentations from Minamata High School and Keio University students about what they would like to create in a Minecraft field
- How to place blocks utilizing a program





## (2) Vietnam Japan University (Vietnam) × Minamata High School

In support of Minamata High School's Super Global High School activities, we created opportunities for international exchange with Vietnam Japan University by conducting online workshops, utilizing online conferencing tools.

### 【Round 1】

Date: 2 June 2021 (Wed) 16:00~17:15  
Participants: 11 (Minamata HS)  
Content: About Vietnam and Vietnam Japan University  
Masashi Yamaguchi, VJU, (JICA Expert)



### 【Round 2】

Date: 18 June 2021 (Fri) 15:00~16:30  
Participants: 19 (11 from Minamata HS, 8 from VJU)  
Content: (1) Overview of Minamata City  
(Speaker: Minoru Koga, Director, Minamata Environmental Academia)  
(2) Introduction of Minamata High School/high school life in Japan  
(3) Research Topic Presentations  
① Air pollution in Vietnam and Japan  
② Minamata Convention  
③ English education in Vietnam and Japan  
④ Bullying issues



### 【Round 3】

Date: 17 November 2021 (Wed) 17:00~18:15  
Participants: 20 (11 from Minamata HS, 9 from VJU)  
Content: Mid-term presentations. Each group presented their findings, and received advice for the final presentations from Minamata High School's Assistant Principal Matsunaka, VJU's Mr. Yamaguchi, and Minamata Environmental Academia's Director Koga.



### 【Round 4】

Date: 25 Jan 2022 (Tue)  
Participants: 20 (11 from Minamata HS, 9 from VJU)  
Content: (1) Presentations from each group (A~D) ※Q&A  
(2) Critique  
Vice Principal Somemura, Minamata High School  
Associate Professor Giang, Head of Japanese Studies Program, Vietnam Japan University  
Dr. Thuy, Lecturer, Japanese Studies Program  
Vietnam Japan University  
(3) General Review  
Director Koga, Minamata Environmental Academia



### 【Vietnam Japan University (Vietnam)】

Vietnam Japan University is a master's graduate school, was established in September 2016 by the Japanese and Vietnamese governments. The Minamata Environmental Academia established a network with the university in 2018 through the Minamata Environmental Academia's Survey and Research Activity Promotion Project, and has since conducted exchange events such as inviting trainees to the "Sakura Science Plan Minamata Training Program."



# Junior/Senior High School Student Research Support

We conducted a research activity support program for junior and senior high school students with the aim of fostering human resources who, through their research activities, aim to develop technologies that will contribute to the sustainable development of their community and society into the future.

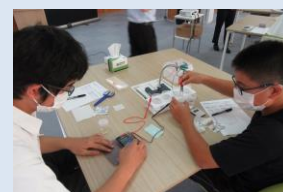
## (1) Research Experience Program

This program was conducted to provide junior and senior high school students with opportunities to experience research activities, with the goals of increasing their interest in research activities, and developing human resources who can undertake research on their own. Following a lecture on research activities and a science class, students picked a theme and undertook their own research, then presented their results.

Participants: 5 (4 senior high school students, 1 junior high school student)

Cooperation: Rui Yatabe, Associate Professor, Research and Development Center for Five-Sense Devices, Kyushu University Institute for Advanced Study  
Assistant Professor Wu Xiao, Division of Electronics and Computer Science, Faculty of Engineering, Fukuoka Institute of Technology

Date: 25 Sept 2021 (Sat) 09:30~11:40  
Content: ① How to proceed with research activities  
② Lecture "Measuring taste and smell"  
③ Science Class "Let's make a salty taste sensor using familiar ingredients!"  
※Each student decides their own research theme, then begins their research activities



Date: 30 Oct 2021 (Sat) 10:00~11:30  
Content: ① Online lab tour  
② Interim report on research activities



Date: 18 December 2021 (Sat) 9:00~12:00  
Content: Presentation of Research Results  
①Prepare presentations based on respective research results  
②Presentations and comments by Director Koga, Minamata Environmental Academia

No.	Theme	Year
1	How the tongue works	Jr. 2
2	Quick Fix! Techniques for drying laundry faster	Sr. 1
3	Mineral water vs tap water in Kumamoto	Sr. 1
4	Does a hybrid recipe exist?	Sr. 1
5	The umami of oysters	Sr. 2



Date: 28 Feb 2022 (Mon)  
13:30~14:00  
Content: Presentations of Research Results: "The umami of oysters"

※ Also presented results to the Minamata City Fisheries Cooperative Association and the Minamata City's Agriculture, Forestry and Fisheries Division



## (2) Programming Workshops

In support of research activities in the field of information science, we hosted mentor programming workshops for Minamata High School students.

Later, the high school students who had received mentoring hosted their own workshops to teach programming to elementary and junior high school students.

### (1) Programming mentor education for Minamata High School students

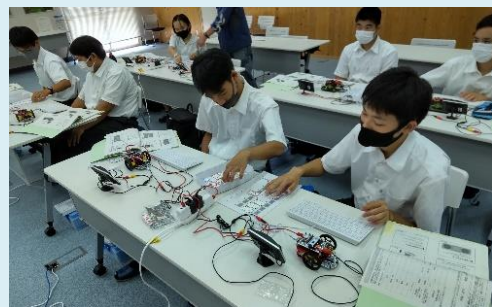
Date: 2 July 2021 (Fri) 14:30~16:30

Participants: Minamata High School Electrical Architecture Course, 1<sup>st</sup> and 2<sup>nd</sup> Years (7)

Lecturer: Yasuo Mantani, Director, Technology Research and Collaboration Center, Nittetsu Hitachi Systems Engineering, Inc.

Content:

- Programming practical experience
- Points to consider when teaching elementary and junior high school students
- Lecture on the history of computers, trends in system development, etc.



### (2) Programming workshops for elementary and junior high school students

Round 1	August 7 (Sat)	Cancelled due to the coronavirus pandemic
Round 2	August 21 (Sat)	Cancelled due to the coronavirus pandemic
Round 3	September 18 (Sat)	21 Participants (19 elementary school students, 2 junior high school students) ※ 6 mentors
Round 4	October 9 (Sat)	28 Participants (24 elementary school students, 4 junior high school students) ※ 12 mentors (incl. 6 Minamata High School students)
Round 5	December 25 (Sat)	23 Participants (21 elementary school students, 2 junior high school students) ※ 14 mentors (incl. 8 Minamata High School students)

[Content]

Course 1	“Let’s make a traffic light!” (For 1 <sup>st</sup> and 2 <sup>nd</sup> year elementary school students)
Course 2	“Let’s get a robot car to drive automatically!” (For 3 <sup>rd</sup> year elementary school to junior high school students)



# Hosting Study Tours

Minamata Environmental Academia conducted training and fieldwork in cooperation with its partner universities.

While the novel coronavirus pandemic prevented on-site training and field work, online training was conducted by utilizing online conferencing tools.

## (1) Prefectural University of Nagasaki “SDGs Future City Initiatives~Minamata City, Kumamoto Prefecture as a Case Study” Minamata Online Training

Date: ① Online Training  
25 (Sat) ~ 27 (Mon) September 2021  
② Online Debriefing  
22 December 2021 (Wed) 12:50~14:50

Participants: 12

Content: ① Online Training  
• Overview of Minamata City, SDGs Future City  
• Advanced Waste Sorting, Minamata Eco-Town  
• Airinkan Kugino Rural Center, Remote Field Work  
• Minamata’s Sea and Marine Life, etc.  
② Online Debriefing  
Results reports from the environmental, social,  
and economic teams



## (2) Prefectural University of Kumamoto Field Work Eco-House and Initiatives Towards Becoming an Environmental Model City

Date: 20 November 2021 (Sat)

Participants: Professor Akio Tanaka

Department of Human Habitat, Faculty of Environmental & Symbiotic Sciences,  
Prefectural University of Kumamoto  
Students (19)

Content: Lecture “Activities and International Contributions of the Minamata Environmental  
Academia ~Global Environmental Issues from Minamata~”  
Lecturer: Minoru Koga, Ph.D., Director General, Minamata Environmental Academia  
• Tours of Minamata Disease Municipal Museum, Minamata Eco-House





# International Contribution Programs

Although the novel coronavirus pandemic prevented on-site training, online training was conducted by utilizing online conferencing tools.

## (1) 2021 Minamata Sakura Online Training Program

In previous years, the Sakura Science Program of the Japan Science and Technology Agency (JST) has invited trainees from overseas, but due to the novel coronavirus pandemic, the program was conducted in an online training (※) format.

The program was intended for university students in the Asia region and promoted (1) awareness of Minamata Disease, (2) technologies related to mercury and the environment, (3) understanding of Minamata City's efforts to create an environmental model city for regional regeneration, and become an SDGs Future City, in order to develop human resources who can contribute to building a sustainable society.

※ Utilizing the “SAKURA SCIENCE Exchange Program” system from the Japan Science and Technology Agency (JST)

Period: 16 November 2021 (Thu) ~ 14 December 2021 (Tue) ※About twice a week

Participants: 26 (Vietnam Japan University (Vietnam) – 9, National Taipei University of Technology (Taiwan) – 7, Kasetsart University (Thailand) – 10)

Date	Lecture	Lecturer, etc.
Nov 16 (Tue)	Overview of the Training Program	Director Koga, Minamata Environmental Academia
	Overview of Minamata City, SDGs Future City, Minamata Environmental Academia	Director Koga, Minamata Environmental Academia
	Regional sustainability in Accordance with the Inclusive Wealth Index (IWI)	Assistant Professor Keeley, Kyushu University
Nov 18 (Thu)	Overview of Minamata Disease, Lecture by Storytellers	Minamata Disease Municipal Museum, Mr. Masami Ogata, Storyteller,
Nov 25 (Thu)	About the National Institute for Minamata Disease	Director Matsuyama, National Institute for Minamata Disease
	Mercury Analysis Technical Training	Mr. Keisuke Uchida, IDEA Consultants, Inc.
	Asia-Pacific Mercury Monitoring Network	Mr. Tatsuya Hattori, IDEA Consultants, Inc.
Nov 30 (Tue)	The Minamata Bay Pollution Control Project	Director Shinohara, Kumamoto Prefectural Center of Environmental Education and Information
	Marine Life in Minamata Bay	Representative Morishita, Minamata Diving Service SEA HORSE
	Investigation into the actual conditions of environmental conservation methods that contribute to mercury control in the Minamata region	Director Koga, Minamata Environmental Academia
Dec 2 (Thu)	Rubbish Separation and Disposal	Minamata Environmental Clean Center
	Overview of Minamata Eco-Town	City Economy and Tourism Division, RBS Corporation, Tanaka Shoten Co.
Dec 7 (Tue)	About JNC Corporation Business	Vice President Wakinaga, JNC Corporation
	Small-scale Hydroelectric Power Generation in the Samukawa Area	Samukawa Area Representatives, City Economy and Tourism Division
Dec 8 (Wed)	Environmental Issues in Each Country, Efforts toward SDGs (Discussion with Minamata High School students)	Minamata High School
Dec 14 (Tue)	Building a Sustainable Society Based on the Lessons of Minamata Disease (Discussion and Summary)	Professor R. Lavin, Prefectural University of Kumamoto



## (2) Support for the Minamata Convention Promotion Project

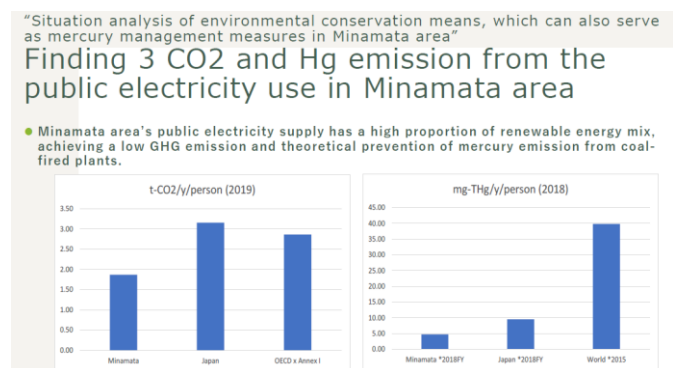
We provided support for “Situation Analysis of Environmental Conservation Means, which can Also Serve as Mercury Management Measures in Minamata Area”, run by the United Nations Environment Programme Regional Office for Asia and the Pacific (UNEP ROAP).

The objective of this evaluation was to investigate improvements in mercury management, and non-mercury related co-benefits of environmental conservation efforts in the Minamata region, and also to quantitatively demonstrate that these efforts are actually contributing to achieving Sustainable Development Goals (SDGs).

Organizer: United Nations Environment Programme Regional Office for Asia and the Pacific (UNEP ROAP)  
✂Commissioned by the Overseas Environmental Cooperation Center, Japan (OECC)

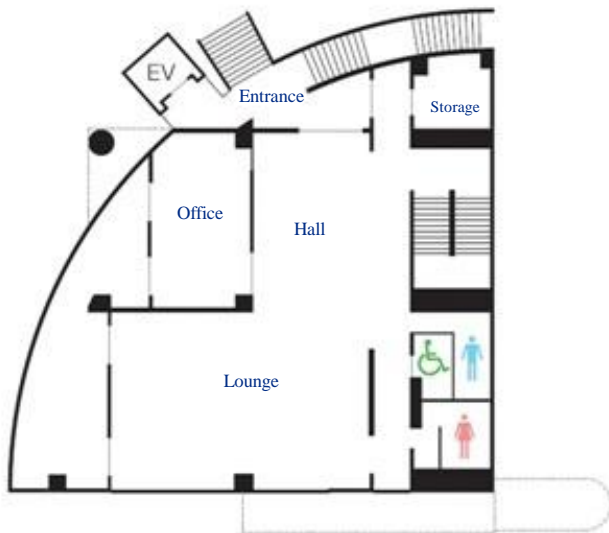
Evaluation Content: (1) Co-benefits from promoting the adoption of renewable energy sources  
✂Reduction of CO<sub>2</sub> emissions through the adoption of renewable energy, etc.  
(2) Co-benefits from the administration of comprehensive general waste management  
✂Proper disposal of materials that contain mercury through advanced waste separation, etc.

Cooperation: • Appointment of Director Koga as senior advisor  
• Various data collection

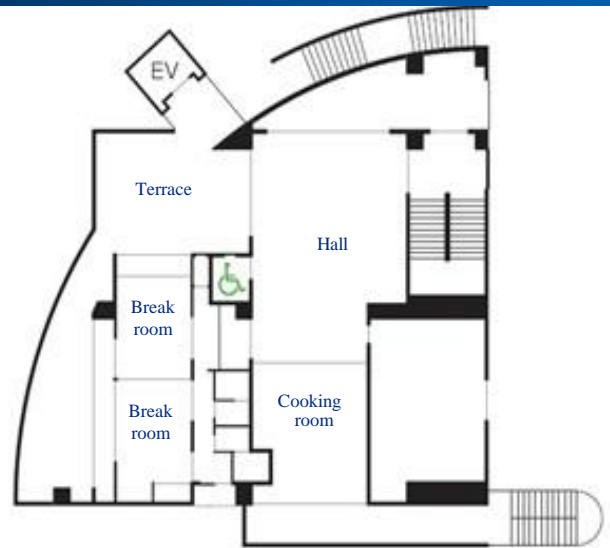


The results of the evaluation were presented at the United Nations Environment Programme (UNEP) 「Minamata Convention Implementation Support Project-Stakeholder Meeting」.

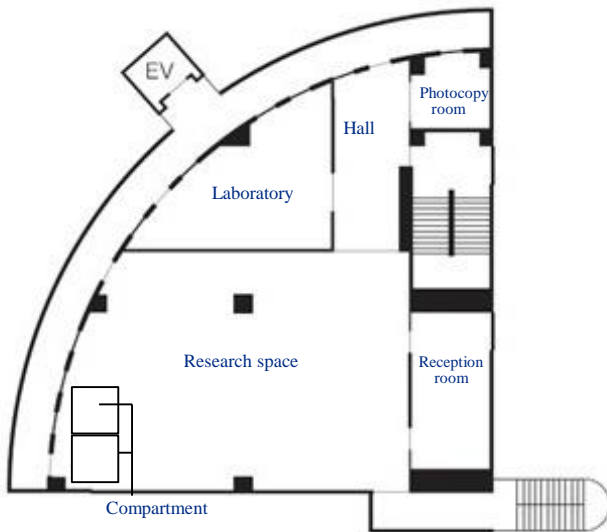
# Minamata Environmental Academia Facilities Overview



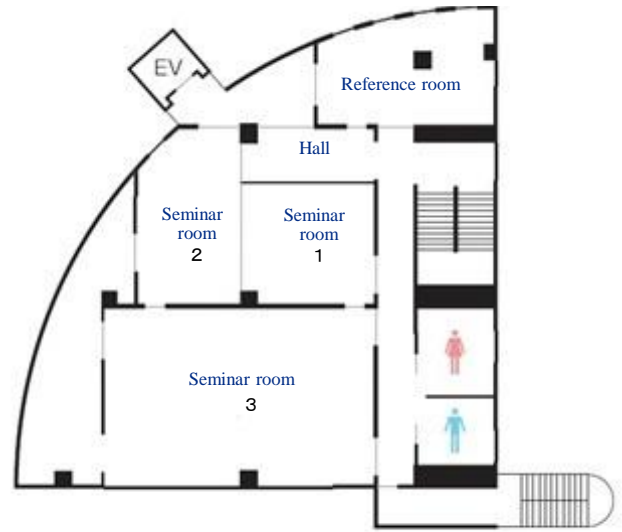
1 F



2 F



3 F



4 F



1 F Lounge



2 F Resting room



2 F Cooking room



3 F Research space



4 F Seminar room 1



4 F Seminar room 3

- ◆ Open Hours: 9AM~7PM
- ◆ Closed Days: Saturday, Sunday, public holidays, and the new year period (Dec 29 ~ Jan 3)



**SUSTAINABLE  
DEVELOPMENT  
GOALS**  
Minamata is an  
SDGs Future City

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