



**The Japanese Society for Environmental Education  
The 33<sup>rd</sup> Annual Meeting (Tokyo)**

**The Role of Environmental Education in Confronting  
the Climate Crisis in the Era of the SDGs**

**Meeting Information & Program**

**August 25 (Thurs) – 28 (Sun), 2022**

August 25 & 26: Online

August 27 & 28: Face-to-Face

**Hosted by The Japanese Society for Environmental Education  
At Tokyo University of Agriculture and Technology, Fuchu Campus**

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## List of Convention Organizing Committee

|                                      |                    |  |
|--------------------------------------|--------------------|--|
| Executive Committee Chair            | Shinichi FURIHATA  | (Tokyo University of Agriculture and Technology) |
| Vice Chair                           | Keiichi SATO       | (Tokyo University of Agriculture and Technology) |
| Chief Secretariat                    | Shigeru OHKURA     | (Tokyo University of Agriculture and Technology) |
| Executive Director of Headquarters   | Kantaro TABIRAKI   | (Matsumoto University)                           |
| Accountant                           | Maki IWAMATSU      | (Meiji University)                               |
| Conference Program                   | Sayuri TOUHO       | (Tokyo Kasei University)                         |
|                                      | Kantaro TABIRAKI   | (Matsumoto University)                           |
| Headquarter Planning Committee Chair | Koichi MORI        | (Ecotourism Japan)                               |
| Public Relations and Messe           | Masaki YAHAGI      | (Tsuru University)                               |
| International Exchange               | Takaya IIDA        | (Shinjyuku Environment Activity Network)         |
|                                      | Hiroyuki TAKAHASHI | (Chiba Zoological Park)                          |
| Advisor                              | Yukihiko ASAOKA    | (Tokyo University of Agriculture and Technology) |

Other members (Graduate Students of PhD Program at Tokyo University of Agriculture and Technology)

Sachiko MASIMOTO

Hiroyuki ITAKURA

Satoru YAMAMOTO

## 1. Greetings from the Chair of the Executive Committee

Executive Committee Chair of the 33<sup>rd</sup> Annual Meeting  
Shinichi FURIHATA

The 33rd Annual Meeting of the Japanese Society for Environmental Education will be held in Tokyo, Japan, from August 25 to 28, 2022. The meeting will be held online on August 25 and 26 and face-to-face on August 27 and 28. The venue for the face-to-face meeting will be the School of Agriculture, Tokyo University of Agriculture and Technology (TUAT, Fuchu Campus).

The School of Agriculture of Tokyo University of Agriculture and Technology was established in 1874 as an agricultural school in the Naito Shinjuku Branch Office of the Ministry of the Interior's Kangyo Dormitory. It is said that the establishment of the school was at the behest of Toshimichi Okubo (one of founders of the Japanese government in the Meiji era), who believed that the development of human resources in agriculture was indispensable for the development of Japan and donated two years' worth of government bonuses for his achievements as a scholarship for students at the time. After that, the agricultural school became Komaba Agricultural School and the Department of Agricultural Science of Tokyo Imperial University before becoming the Tokyo College of Agriculture and Forestry, and in 1949, the School of Agriculture of the Tokyo University of Agriculture and Technology. In 1973, the first Department of Environmental Science and Conservation was established in Japan, and its graduates have gone on to work for various organizations and institutions, including governments, companies, schools, and NGOs/NPOs, making use of their expertise in environmental science and conservation in their respective fields. In 1995, the Department of Environmental Science and Conservation was reorganized into the Department of Environmental Resources Science and the Department of Regional Ecological Systems. During this reorganization, the humanities and sociology laboratories (law, philosophy, ethics, education, economics, history, psychology, etc.) that had previously been part of the General Education Department joined the Department of Regional Ecological Systems, and the Laboratory of Environmental Education was born. The Laboratory of Education had administered both general (common) education and teacher education, but with this reorganization, the Laboratory of Environmental Education now supervises general (common) education and specialized undergraduate education, and a separate full-time teaching faculty position has been created for teacher education.

At this time, Dr. Yoichi Chino (deceased, former chairman of The Japan Society for the Study of Adult and Community Education), who had led the education laboratory for many years, retired, and Dr. Yukihiko Asaoka (Professor and former chairman of the Japanese Society for Environmental Education) assumed the post of head of the Environmental Education Laboratory. The full-time teaching faculty is currently led by Shinichi Furihata, who succeeded Yoshitaka Kojima (Professor) and Yoshifumi Nanri (Professor). Since Dr. Chino, specialists in adult and community education have also taken charge of teacher education, and I believe that the distinctive feature of the environmental education research at the University of Agriculture and Technology is its efforts to develop a regional education planning system that integrates (and mutually develops) school education, adult and community education, and lifelong learning.

Tokyo University of Agriculture and Technology's Environmental Education Laboratory has been accepting

graduate students into a master's program since 2000 and doctoral students since 2001. The graduate school programs now have more than 100 graduates, at least ten of whom are working as university faculty members throughout Japan.

This will be the second annual meeting of the Japanese Society for Environmental Education to be held at Tokyo University of Agriculture and Technology, following the first in 2009. At the last annual meeting, a "seminar for schoolteachers" was held for the first time. We hope that this year's meeting will once again enable all participants to experience the unique characteristics of the University of Agriculture and Technology. We look forward to your visit and hope you will also visit the magnificent monument to Toshimichi Okubo.

## 2. Outline of the Meeting

- Meeting Period: August 25 (Thurs) – 28 (Sun), 2022  
 Online (Zoom): August 25 & 26  
 Face-to-Face: August 27 & 28
- Venue: Tokyo University of Agriculture and Technology, Fuchu Campus  
 Online (Zoom)
- Host: The Japanese Society for Environmental Education  
 (The 33<sup>rd</sup> Annual Meeting Executive Committee)
- Cooperation: Tokyo University of Agriculture and Technology, Fuchu Campus
- Support: Ministry of the Environment;  
 Ministry of Education, Culture, Sports, Science and Technology;  
 Ministry of Agriculture, Forestry and Fisheries;  
 Fuchu City; Fuchu City Board of Education; ESD Resource Center of Japan;  
 ESD Resource Center of Japan Kanto Branch
- Webpage of the 33<sup>rd</sup> Annual Meeting of the Japanese Society for Environmental Education  
[https://www.jsfee.jp/members/meeting/536-jsfee33\\_2022tokyo](https://www.jsfee.jp/members/meeting/536-jsfee33_2022tokyo)

## 3. Meeting Schedule

|               | 9 AM                        | 10 AM | 11 AM | Noon | 1 PM                        | 2 PM | 3 PM                            | 4 PM | 5 PM         | 6 PM         | 7 PM | 8 PM |
|---------------|-----------------------------|-------|-------|------|-----------------------------|------|---------------------------------|------|--------------|--------------|------|------|
| Aug 25 (Thur) |                             |       |       |      |                             |      | Ind. Research Projects (Online) |      |              | Event by COC |      |      |
| Aug 26 (Fri)  | Oral Presentations (Online) |       |       |      | Board of Directors (Online) |      | Member's Meeting                |      | Event by COC |              |      |      |

COC = Conference Organizing Committee

|  | 9 AM                          | 10 AM | 11 AM | Noon                   | 1 PM              | 2 PM | 3 PM | 4 PM | 5 PM                                | 6 PM                          | 7 PM | 8 PM |
|--|-------------------------------|-------|-------|------------------------|-------------------|------|------|------|-------------------------------------|-------------------------------|------|------|
| Aug 27 (Sat)<br>Registration<br>till 9 AM at venue | Oral Presentations            |       |       |                        | Public Symposium  |      |      |      | Member's<br>Round<br>Table          | Reception<br>(tentative plan) |      |      |
|  | Poster Presentations          |       |       |                        |                   |      |      |      |                                     |                               |      |      |
|  | Event by COC                  |       |       | Int'l Exchange Meeting |                   |      |      |      |                                     |                               |      |      |
|  | Environmental Education Messe |       |       |                        |                   |      |      |      |                                     |                               |      |      |
| Aug 28 (Sun)<br>Registration<br>till 9 AM at venue | Oral Presentations            |       |       |                        | Study Groups      |      |      |      | Independent<br>Research<br>Projects |                               |      |      |
|  | Poster Presentations          |       |       |                        |                   |      |      |      |                                     |                               |      |      |
|  |                               |       |       |                        | Teachers' Seminar |      |      |      |                                     |                               |      |      |
|  | Environmental Education Messe |       |       |                        |                   |      |      |      |                                     |                               |      |      |

\* The Public Symposium, Teachers' Seminar, and Environmental Education Messe are open to those who have not paid the conference registration fee.

<Detailed Program>

August 25 (Thursday) @ Online (Zoom)

Independent Research Projects: 2:30 pm – 5 pm  
Event by Conference Organizing Committee: 6:30 pm – 8 pm

August 26 (Friday) @ Online (Zoom)

Oral Presentations: 9:30 am – 12:05 pm  
Member's Meeting: 3:30 pm – 5 pm  
Event by Conference Organizing Committee: 6 pm – 8 pm

August 27 (Saturday) @ Tokyo University of Agriculture and Technology, Fuchu Campus

Start Time of Registration: 8 am (Entrance at the First Lecture Hall)  
Oral Presentations: 9 am – 12:25 pm  
Poster Presentations: 9 am – 1:45 pm (Core time: Noon – 1 pm)  
Event by Conference Organizing Committee: 9 am – Noon  
Environmental Education Messe: 9 am – 4 pm  
International Exchange Meeting: Noon – 1:45 pm  
*“Stockholm +50 Conference” and Future Trends in Environmental Education*  
Public Symposium: 2 pm – 4:30 pm  
*How Environmental Education Can Respond to the Climate Crisis:  
Searching for a Compass in the Anthropocene*  
Member's Round Table: 4:30 pm – 5:30 pm

August 28 (Sunday) @ Tokyo University of Agriculture and Technology, Fuchu Campus

Start Time of Registration: 8 am (Entrance at the First Lecture Hall)  
Oral Presentations: 9 am – 12:25 pm  
Poster Presentations: 9 am – 1:45 pm (Core time: Noon – 1 pm)  
Environmental Education Messe: 9 am – 3 pm  
Teacher's Seminar: Noon – 1:45 pm  
Study Groups: 2 pm – 4 pm  
Independent Research Projects: 4:15 pm – 6:15 pm

#### **4. About the Venue**

##### **Online Venue (August 25 & 26)**

- The online conference system ZOOM will be used for this meeting. Please connect to the Internet from your computer, tablet or smartphone to participate.
- Please confirm the operation of your computer, Internet connection, video/audio, etc. in advance. (You can test your login at the link on the right: <https://zoom.us/test> )
- Please note that you will be responsible for any additional costs incurred for participation in the online competition, such as communication fees.
- Meeting rooms are assigned a meeting ID for each session. Please review and enter the meeting ID and passcode that will be sent directly to the participant.
- When entering a meeting room, please set the name displayed on the ZOOM as "Name (Affiliation)".

### Face-to-Face Venue (August 27 & 28)

#### <Access to Tokyo University of Agriculture and Technology, Fuchu Campus>



Riding a bus from nearest train station

JR Chuo Line, Kokubunji Station

From Kokubunji Station South Entrance

Bound for Fuchu Station (寺 91)

Get off at Harumi Machi

Keio Line, Fuchu Station

From Fuchu Station

Bound for Kokubunji Station (寺 91)

Get off at Harumi Machi

JR Musashino Line, 12-minutes walk from “Kita-Fuchu Station”

Please use public transportation to the venue (there is no parking available).

#### <Campus Map of Tokyo University of Agriculture and Technology, Fuchu Campus>

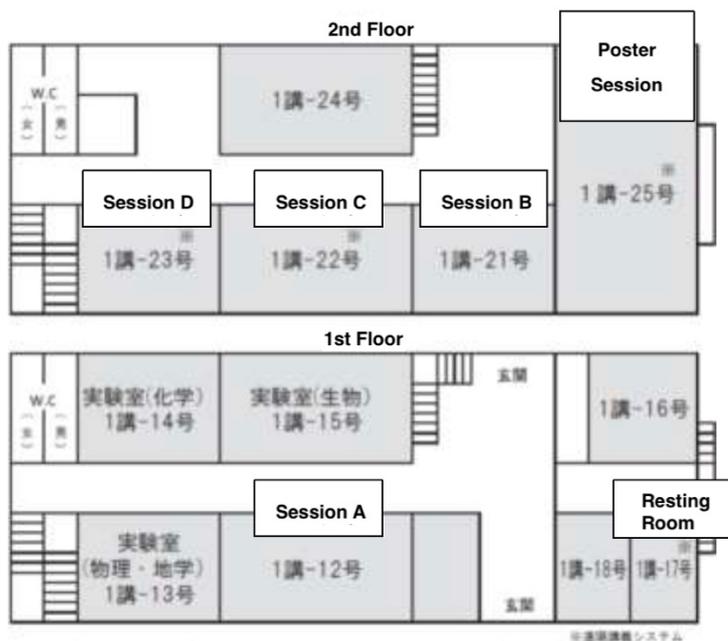


<Rooms for Presentations>

(11) Lecture Hall 1

Rooms Used:

- Room 12 (1 講-12 号) Session A  
Independent Research Projects 1
- Room 17 (1 講-17 号) Resting Room
- Room 18 (1 講-18 号) Headquarter
- Room 21 (1 講-21 号) Session B
- Room 22 (1 講-22 号) Session C  
Independent Research Projects 2
- Room 23 (1 講-23 号) Session D
- Room 25 (1 講-25 号) Poster Session



(10) Main Building

Rooms Used:

- Room 21 (本館-21 号)  
International Exchange Meeting

\* Events by Conference Organizing Committee and Public Symposium, Member's Meeting are held at the Auditorium located on the **1<sup>st</sup> floor of the Main Building.**



(2) Building 2 and New Building 2

Rooms Used:

- 2N-103 (Multi-purpose room) Teacher's Seminar

## 5. To All Participants

### <Online Participation>

- Those who wish to participate online must follow the presentation and auditing procedures specified by the Executive Committee. The Japanese Society for Environmental Education will not be held responsible for any problems that may occur when presenting at the online meeting.
- Do not record, tape-record, or screenshot video, audio, text logs, etc. during the presentation without the presenter's permission. Disclosure to third parties by posting on social networking sites is prohibited.
- Please follow the instructions of the chairperson of each session regarding the use of the chat function and questions during the presentation.
- Due to the limited number of connections, please do not use more than one device at a time.
- Please understand that the chairperson and support staff may, at their discretion, forcibly turn off the microphone, camera, screen sharing, etc. of participants if there is any behavior that interferes with the smooth progress of the event.

### <Face-to-Face Participation>

#### ■ In General

- The registration desk will be located at the entrance of the first lecture hall of the TUAT, Fuchu Campus on August 27 (Sat)—28 (Sun). All participants must register here.
- From the perspective of preventing the transmission of new coronavirus infection, the reception desk will conduct temperature checks using non-contact thermometers for all visitors entering the building. We appreciate your understanding and cooperation in temperature inspection.
- You will receive a participation form (name tag) at the registration desk. Please be sure to wear it while in the venue.
- No one will be allowed to enter any building or classroom other than the venue during the meeting.
- Participants in the public symposium will have their temperature taken prior to the start of the symposium. We appreciate your understanding and cooperation in temperature inspection.
- Smoking is prohibited in the venue. Please note that there is no smoking area.

#### ■ About Accommodation

- Please make your own accommodation arrangements. The Executive Committee will not make reservations or arrange for mediation. Please make sure to have a place to stay as early as possible.

#### ■ About Meals

- The TUAT cafeteria will not be available during the meeting. Please make your own arrangements for lunch.
- Lunch can be eaten on site and in the resting room. However, food and beverages are allowed only during lunch break (12:30-14:00) in the room for oral presentations.
- There is no hot water available in the resting room. Please use the vending machines and water spots on campus. Please bring your own bottles, etc.
- Please take your garbage home with you.

■ Others

- There is no cloakroom, so please use the resting room as a place to store your belongings. However, please carry your own valuables with you and never leave them in the resting room.

## 6. About Oral Presentations

### <Online Presentations>

#### (Advance preparation)

- A Zoom meeting ID is assigned to each session. Please confirm and enter the meeting ID and passcode that will be sent to participants.
- When you enter the room, please enter your name as it appears on Zoom in the order of "[Presenter] Name (Affiliation)". Example: [Presenter] Taro Noko (Tokyo University of Agriculture and Technology)
- Please make sure to connect in a telecommunication environment with sufficient connection speed.
- If you have a headset or earphones with a microphone, we recommend using them.
- You can test login at the following link. Please confirm your voice and other information in advance.  
<https://zoom.us/test>

#### (Presenters)

- Oral presentations will be given using Zoom.
- Presenters must enter the meeting room at least 5 minutes before their presentation time.
- 5 minutes are reserved for switching time and operation check. Please follow the instructions of the support staff to check the camera and microphone, share screens of presentation materials, etc.
- Presentation time is 15 minutes (12 minutes for presentation, 3 minutes for questions).
- The cues during the presentation are as follows:
  - 1<sup>st</sup> bell @ 10 min.
  - 2<sup>nd</sup> bell @ 12 min (Presentation time is over. Please end your presentation immediately.).
  - 3<sup>rd</sup> bell @ 15 min (Question and Answer session is over. Please turn off camera and microphone.).
- Presenters are requested to remain in the meeting room until the end of the general discussion of their respective sessions.

#### (Participants)

- When entering the meeting room, please enter your name as it appears on Zoom in the order of "Name (Affiliation)".
- Please turn off your camera and microphone when listening to the presentation.
- Please follow the instructions of the chairperson regarding the use of the chat function.
- Please click on the reaction button (raise your hand) when you want to ask a question. After being nominated by the chairperson, please turn on the camera and microphone and ask questions.
- Please cooperate for smooth operation.

(Session Chairpersons)

- The chairperson will be in charge of the entire session. Please take responsibility for facilitating the event from the presentation to the general discussion.
- Before starting a session, please state whether the chat function is available or not.
- Please be punctual when proceeding.
- Please have the questioner state his/her name and affiliation at the beginning.
- Please ensure that the discussion is not biased toward any particular presenter or speaker.

<Face-to-Face Presentations>

(Advance preparation)

- Presenters are requested to bring their own PCs and tablets. No PCs will be available for rent at the venue. The projector will be connected via HDMI connector, so please prepare an environment where you can use the HDMI.
- The operation of the PC is the responsibility of the presenter.
- Please bring your slide data (PowerPoint, etc.) on a USB memory stick with you on the day of the event, just in case. Please check your USB memory stick for viruses by yourself.
- Presenters are requested to check the connection and operation during the changeover time.

(Presenters)

- Presenters are requested to wait at the front of the room when the previous presentation begins.
- Please state the title of your presentation and your name at the beginning of your presentation.
- Presenters are requested to inform audiences of whether or not they are allowed to take photographs of slides and other materials of their oral presentations prior to their presentations.
- Presentation time is 15 minutes (12 minutes for presentation, 3 minutes for questions).
- The cues during the presentation are as follows:
  - 1<sup>st</sup> bell @ 10 min.
  - 2<sup>nd</sup> bell @ 12 min (Presentation time is over. Please end your presentation immediately.).
  - 3<sup>rd</sup> bell @ 15 min (Question and Answer session is over. Please turn off camera and microphone.).
- Presenters are requested to remain in the meeting room until the end of the general discussion of their respective sessions.

(Session Chairpersons)

- The chairperson will be in charge of the entire session. Please take responsibility for facilitating the event from the presentation to the general discussion.
- Before starting a session, please state whether the chat function is available or not.
- Please be punctual when proceeding.
- Please have the questioner state his/her name and affiliation at the beginning.
- Please ensure that the discussion is not biased toward any particular presenter or speaker.

## **7. About Poster Presentations**

(Advance preparation)

- Presenters must post their posters at the designated location by 9:00 a.m. on Saturday, 27th.
- Each poster will be displayed on one A0-size sheet.  
(H:1189mm x W:841mm, simili paper size <1090mm x 790mm> are also acceptable)
- The Executive Committee will provide studs and tape for attaching posters. Please do not use tape or other materials that you have provided yourself.
- If you prohibit taking photographs of your poster presentation, please post a notice by yourself.

(Presenters)

- Presenters are requested to wait in front of their posters during the core time (Noon to 1 pm) on Saturday (Aug. 27) and Sunday (Aug. 28) for the Q&A session. Please stand for at least one day of Q&A.
- Outside of the core time, the presenters will be free to browse, so presenters do not need to be present at the session.

(Cleanup)

- Please remove your posters and complete the cleanup between 1:45 pm and 2 pm on Sunday (Aug. 28).
- Any posters displayed after the cleanup time will be disposed of by the Executive Committee. Please note that we do not store them.

## **8. About Independent Research Project**

- Thursday (Aug. 25) will be online and Sunday (Aug. 28) will be face-to-face.
- Presentation time is 150 minutes online and 120 minutes in face-to-face.
- Each project will be assigned to its own online meeting room. Please confirm and enter the meeting ID and passcode that will be sent to participants.
- The organizer is responsible for setting up the venue for the face-to-face meeting and for all operations such as the progress of the event, and must return the venue to its original state after the event is over.
- Representatives and members are responsible for facilitating the event.
- Please keep strictly to the end time.

<Online>

Date & Time: Thursday, August 25, 2:30 pm – 5 pm

1. Practicing the "Environmental Café" social dialogue - on the theme of climate change
  - Mitsuru Tada (National Institute for Environmental Studies)
2. Learning Qualitative Research Methods "Design and Future Development of Qualitative Research"
  - Hiroyuki Takahashi (Chiba Zoological Park), Yasukazu Hama (The University of Tokyo)

3. From Time for Integrated Studies to Time for Integrated Inquiry: The Challenge of the "Environmental Inquiry Study Group" and the Future of Inquiry Learning
  - Kazuyo Nagahama (Japan University of Economics)
4. War, Nuclear Power Plants, and Environmental Education: In Light of the Situation in Ukraine
  - Shinobu Goto (Fukushima University)

<Face-to-Face>

Date & Time: Sunday, August 28, 4:15 pm – 6:15 pm

Session A: First Lecture Hall, Room 12

1. Regional Collaboration in High Schools in Advanced Cases: Toward the Preparation of Guidelines
  - Akira Ogiwara (Kyoto Tachibana University)

Session C: First Lecture Hall, Room 22

2. Behavior Change, Social Change and Reassessment of Critical Environmental Education in ESD for 2030
  - Megumi Noda (Hosei University)

## **9. Events for Convention Participants**

- Event by Conference Organizing Committee (Venue: online on Aug. 25 and 26, Main Building Auditorium on Aug. 27)

Date & Time: August 25 (Thursday) 6:30 pm – 8 pm

Workshop on Diversity in Academic Societies

Date & Time: August 26 (Friday) 6 pm – 8 pm

Editorial Committee/Ethics Committee

Date & Time: August 27 (Saturday) 9 am – Noon

Project by elementary and junior high school students to propose the creation of a carbon-neutral society: "Society and Our Lives in 2050"

■ International Exchange Meeting

Date & Time: August 27 (Saturday) Noon – 1:45 pm

Venue: Main Building Room 21 (+ Online)

Theme: “Stockholm +50 Conference” and Future Trends in Environmental Education (Tentative Title)

In previous years, the meeting was held as a lunch meeting, where participants introduced themselves and exchanged discussions over lunch, but due to the new Coronavirus infection control measures, the meeting will be held as follows.

Noon – 12:50 pm      Reports on recent activities from our affiliated societies

For those attending face-to-face, we will have a silent meal at this time.

12:50 pm – 1:45 pm      Time for Q&A, exchange of opinions and discussion

Please wear a mask for the discussion.

**Please cooperate with us if you are a face-to-face participant.**

For online participants, please check the ID and passcode sent to you.

■ Oral Presentations in English

In the oral sessions (11:40~12:25) on August 28 (Sun.), there will be an "English Presentation Session," which will be conducted entirely in English. The presentation format is the same as other oral presentations: oral presentation, Q&A and general discussion.

We encourage not only participants who will be presenting in English, but also all other members to actively participate in the English Presentation Session. For more information, please see the research presentation program (at the bottom of p.22 of the Meeting Program in Japanese).

■ Study Group

Date & Time: August 28 (Sunday)

Session A (Lecture Hall 1 Room 12)

Study Group “Education on SDGs” / Yukihiro Asaoka (Tokyo University of Agriculture and Technology)

Session B (Lecture Hall 1 Room 21)

Study Group “Considering Fukushima after the nuclear accident” / Yuki Ishiyama (Tottori University)

Session C (Lecture Hall 1 Room 22)

Study Group “Pollution Education” / Ken Takada (Tsuru University)

Session D (Lecture Hall 1 Room 23)

Study Group “Pollution Education” / Ken Takada (Tsuru University)

Poster Session (Lecture Hall 1 Room 25)

Study Group “Climate Change Education” / Nobuo Shirai (Musashino University)

■ Member’s Round Table

Date & Time: August 27 (Saturday) 4:30 pm – 5:30 pm

Venue: Main Building Auditorium

## 10. Events for General Public

■ Events by Conference Organizing Committee & Public Symposium

Date & Time: August 27 (Saturday) 2 pm – 4:30 pm

Venue: Main Building Auditorium & Online

Theme: “How Environmental Education Can Respond to the Climate Crisis:  
Searching for a Compass in the Anthropocene”

### Program

Greeting: Kazuhiko Nakamura (University of Tokyo, President of the Japanese Society for Environmental Education)

Explanation of the purpose: Moderator and Panelist: Shigeru OHKURA (Tokyo University of Agriculture and Technology, Director of the Executive Committee Secretariat)

Session:

Report 1: “The Anthropocene and Environmental/Climate Justice (tentative title)”

Shigeru OHKURA (Same as above)

Report 2: “On the Norms and Dissemination of Climate Change Education Linking Social and Human Transformation (tentative title)”

Nobuo Shirai (Musashino University, Representative of “Climate Change Education” Study Group)

Report 3: “Climate Change Education Efforts in Korea (tentative title)”

Kim Chankook (Professor, Department of Environmental Education, Korea National University of Education)

### **[Prospectus]**

The Anthropocene is a hot topic. The Anthropocene is the sum total of the various terms that have been used to describe the environmental crisis, including pollution and environmental problems. Of particular importance among the implications of this term is the fact that the natural environment has moved beyond its tipping point. In other words, the natural environment is beyond the point at which it can be restored or reversible by humans, meaning that the behavior of the natural environment will become increasingly unstable. We are now expected to live in such an era. Although sustainability is the premise of education for ESD and the SDGs, there is a need for reflection on sustainability itself, which has been shared by society.

The climate is a striking example of the instability of this natural environment. Climate change is the term that most succinctly describes the instability of climate behavior. The climate has moved beyond the stable phase and is now in a phase of unstable behavior. This is clearly reflected in the recent floods and other natural disasters. It is no longer possible to assume a life based on the stable climate of the past.

What is required of environmental education in today's unstable society, where not only sustainability but persistence itself is being questioned? And how can environmental education respond to these demands? We hope to share these questions with the participants.

#### ■ Teacher's Seminar

Lecturer: Keiichi Sato (Tokyo University of Agriculture and Technology)

Date & Time: August 28 (Sunday) Noon – 1:45 pm

Venue: Multipurpose Room, Building 2

Participants will experience the theory and practice of cooperative learning to realize “independent, interactive and deep learning”. In environmental education, experiential learning such as nature and social experiences are effectively conducted, but it is necessary to emphasize “reflection” and “sharing” as part of the cyclical learning process, not to stop at just the experience, and cooperative learning is excellent when conducted efficiently in a short time. In the United States, Kagan Cooperative Learning is widely used in school education. This cooperative learning is not a traditional one-way class from teacher to student, nor is it mere group work. All four principles of cooperative learning must be met: reciprocal interdependence, individual responsibility, equal participation, and simultaneity of activities. In this seminar, you will understand the essence of cooperative learning through practice. This seminar is free of charge, but the textbook will be “Introduction to Kegan Cooperative Learning” by Spencer Kegan, published by Daigaku Tosho Shuppan (1,870 yen, ISBN-13: 978- 4909655554), which was published last year. Please bring your own if you already have one. You can also purchase them at a discounted price on the day of the event.

If you are interested in attending the faculty seminar, please register using the Google Form that will be emailed to you at a later date. The maximum number of participants is 36.

#### ■ Environmental Education Messe

Date & Time: August 27 (Saturday) 9 am – 4 pm, August 28 (Sunday) 9 am – 3 pm

Venue: Lecture Hall 1, 1<sup>st</sup> Floor

The “Environmental Education Messe (Environmental Education Trade Fair)” will be held in conjunction with the first face-to-face meeting in three years.

Please use this as a place to introduce your organization and its activities and to communicate with conference participants and members.

Exhibiting Organizations:

NPO Be Good Café, Gakubunsha Co., Nihon-Mic Co., Japan Environmental Education Forum,  
Tsukuba-shobo Co., Tsutsumi-ya, Rural Cultural Association Japan

- Please cooperate with us in our efforts to prevent new coronavirus infection.
- No fire is allowed at the Environmental Education Messe.
- Food and beverages cannot be served at the Environmental Education Messe site.
- Please keep sales under the control of each organization to avoid any problems.

**11. Program for Presentations (please refer to Japanese Program)**

The English translation of presentation program is not available. List of English presentation title is available at the bottom of p.22 of the Meeting Program in Japanese. Thank you very much for your understanding.