



TEEN

TEEN's Footprints to date

The 2022 edition

Tripartite
Environmental
Education
Network

Japan, China, and Korea

Table of Contents

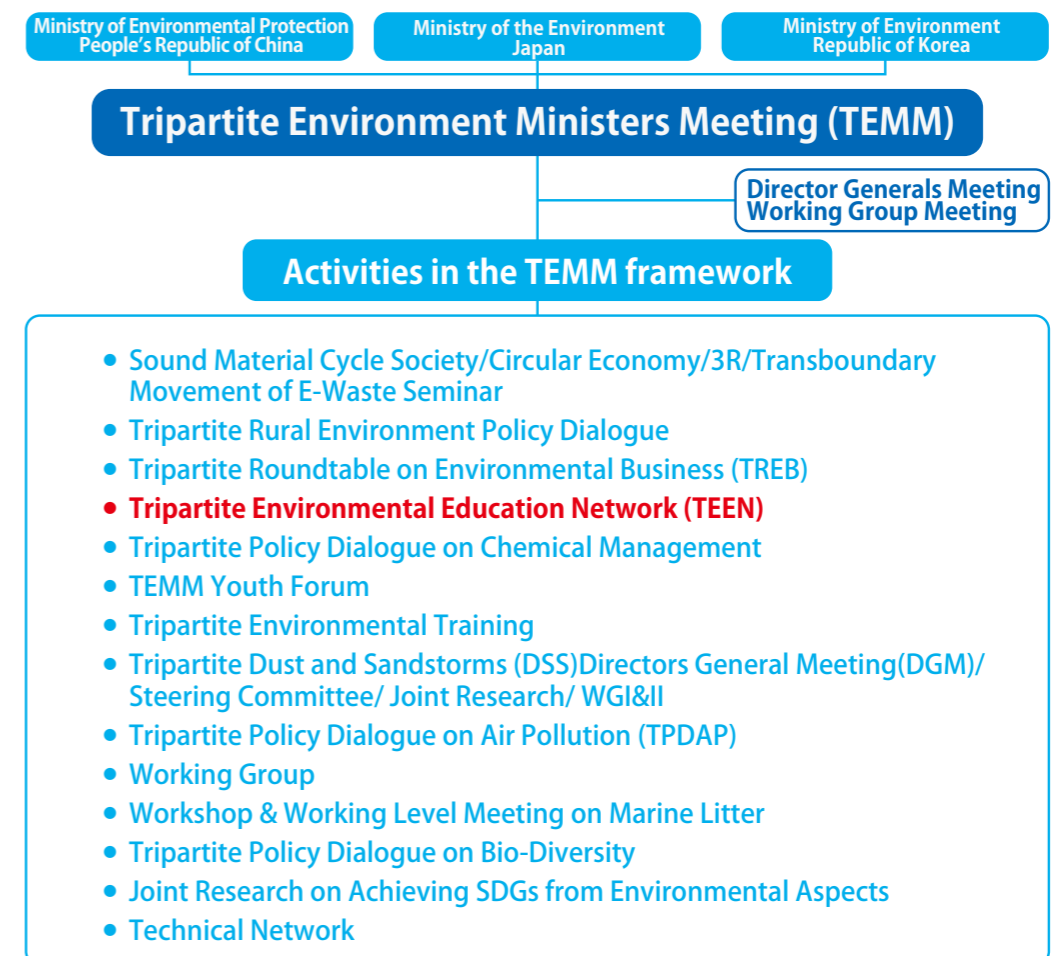
1. What is TEEN? TEEN / Tripartite Environmental Education Network	3
2. A chronological table of TEEN's footprints to date	4
3. TEEN's major achievements	5
4. Outlines of the TEEN to date (including outlines TEMM)	6
TEEN 1 The memorial first TEEN was held in Japan	7
TEEN 2 Database Establishment to strengthen the tripartite network	
TEEN 3 Efforts related to the current status of environmental education focused on local and river in the three countries	8
TEEN 4 Future challenges of environmental education in light of the UN Decade of Education for Sustainable Development, 2005-2014 (DESD)	
TEEN 5 Development of environmental education materials for children	9
TEEN 6 Presentation of the results of application of environmental education materials for children and corporate activities of environmental education	
TEEN 7 Cases of environmental education in coastal regions of the three countries	10
TEEN 8 Tripartite initiatives for the improvement of urban air pollution	
TEEN 9 Initiatives of nurturing young environmental education leaders in higher education	11
TEEN 10 Cooperation among local governments, academia and private entities and development of leaders in higher education	
TEEN 11 Environment and development and biodiversity conservation	12
TEEN 12 Promotion of green growth environmental education for environment leader development	
TEEN 13 The latest activities on Education for Sustainable Development (ESD)	13
TEEN 14 Environmental education in higher education and new challenges and prospect for Education for Sustainable Development (ESD)	
TEEN 15 Future activities for tripartite cooperation of sustainable environmental education	14
TEEN 16 Connecting the world and regions (from the perspective of "glocal")– Post-DESD in Okayama city-	
TEEN 17 Strengthening Public Engagement for Environmental Education / Education for Sustainable Development	15
TEEN 18 Bio-cultural diversity and community based environmental education	
TEEN 19 Creating a sustainable local community with various stakeholders –towards the achievement of the SDGs-	16
TEEN 20 Commemorating the 20th Anniversary of Trilateral EE Cooperation	
TEEN 21 Environmental education at the local level : Sharing experiences of China, Japan, and Korea	17
TEEN 22 Our proactive choice for 2050: Implementation of decarbonized society and a role of Environmental Education	
TEEN 23 Nature-based Environmental Education Innovation : Connection, Integration and Creation	18

1. What is TEEN?

(TEEN : Tripartite Environmental Education Network)

Background & History

In February 2000, China, Japan, and Korea agreed to establish and promote a tripartite cooperation project to "raise the consciousness of the environmental community" at the Second Tripartite Environment Ministers Meeting held in Beijing. Following this agreement, at the Tripartite Director General's Meeting in June 2000 (at Jeju Island, Korea) made a decision to establish the Tripartite Environmental Education Network (TEEN) among the three countries as a concrete project especially to raise the consciousness of the environmental community at the grass-roots level. Accordingly, the project started in November of the same year is the Tripartite Environmental Education Network (hereinafter, "TEEN").



Source: Website of the Ministry of Environment, Japan <http://www.env.go.jp/earth/coop/temm/aboutus/organization.html>

Objectives of Activities

The main activity of TEEN is to promote the environmental education network among China, Japan, and Korea by gathering environmental education experts, etc. from the three countries and through the information exchange on environmental education, thereby, improving environmental recognitions of society in the three countries and contributing to building sustainable society.

Every year, TEEN organizes workshops, symposia and focal-point meetings (more than once per year), for which the three countries take turns arranging these events annually. At these occasions, environmental education experts, teachers, NGO representatives, etc. gather from the three countries to discuss and exchange views on environmental education initiatives.

A chronological table of TEEN's footprints to date

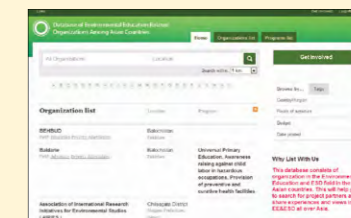
TEEN's activities				
Year	Host country/venue	Theme of symposium	Theme of workshop	
1999				
2000	Japan Fujinomiya / Tokyo	Coexistence of people and nature Cases of nature school	Current status of environmental education in each country and plans for activities for the establishment of environmental education network	
2001	China Beijing	Current status of environmental education in the three countries	Environmental education policy School education, examples of activity involved with partnership	
2002	Korea Seoul	Current status of environmental education in the three countries	The current status of environmental education focused on local and river in the three countries	
2003	Japan Shizuoka	Environmental conservation and education at a local level (sharing experiences of the three countries)	Future challenges of environmental education in light of the DESD Ecotourism and environmental education	
2004	China Tianjin	Environmental education for youth and its practice	Environmental education for youth and its practice of the three countries The policy and practice on environmental education for children in the three countries	
2005	Korea Seoul	School's roles in DESD and building recycle society	Presentation of the results of application of each education materials developed by the three countries Environmental education in industry and business	
2006	Japan Kanazawa	Marine-related cases of environmental education in coastal regions of the three countries	Cases of environmental education youth program Local community development centered on environmental education	
2007	China Beijing	Environmental education for urban clean air for sustainable city	Environmental education for urban clean air Networking on environmental education in Korea, China, and Japan	
2008	Korea Seoul	Young environmental education leaders in higher education	The future direction of TEEN among three The activation of the three countries' environmental education exchange	Participation of students of TEEPY Youth Camp
2009	Japan Nagoya	Cooperation among local governments, academia and private entities and development of leaders in higher education	Regional cooperation for promoting environmental leader development in higher education institution	Participation of students of TESS
2010	China Beijing	(No symposium organized)	Education program centered on biodiversity Future direction of TEEN	
2011	Korea Gyeongju	Future of environmental education-toward "practice"	Environmental leaders development Tripartite Student Forum, Evaluation and future direction of TEEN	Participation of students of Tripartite Student Forum
2012	Japan Sendai	The latest trend of ESD	Consideration of the direction for developing tripartite environmental education books	
2013	China Beijing	Environmental education in higher education and the current status and trend as well as new challenges of ESD	Consideration of developing environment books for children in the three countries	
2014	Korea Jeju Island	Future activities for tripartite cooperation of sustainable environmental education	Final confirmation on the development of environmental education books for children in the three countries	
2015	Japan Okayama / Naoshima-cho, Kagawa	Extension and networking of environmental education from point to line, to line to surface	Visit to a pioneering case on environmental education and Education for Sustainable Development (ESD) in Japan Use of environmental education book for children developed by Korea	
2016	China Shenzhen	Policy on promoting Environmental Education in China, Japan and Korea The impacts of Environmental Education/Education for Sustainable Development Program to local community	Visit to Nature School (Visitor Center) in China Use of environmental education book for children developed by Korea	
2017	Korea Suwon	Bio-cultural diversity and community based environmental education	Exhibition at Gyeonggi environmental education festival Environmental education research class in Korean primary school by Japanese teachers	

TEEM's activities		
Host country/venue		General outline
Korea Seoul		Establishment of priority cooperation areas for environmental issues in North East Asia
China Beijing		Establishment of concrete projects for the priority cooperation areas
Japan Tokyo		Confirmation of the importance of Kyoto Protocol becoming effective earlier, acid deposition monitoring and networking
Korea Seoul		Discussions on the regional issues in North East Asia, such as dust and sandstorms
China Beijing		Confirmation of the importance of compatible approach of economic development and environmental protection
Japan Tokyo		Start of information exchange and policy dialogue for building recycle society
Korea Jeju Island		Agreement of joint initiatives for marine and coastal environmental conservation
China Beijing		Share of recognition about the necessity to address impact of dust and sandstorms and marine litters
Japan Toyama		Commencement of joint research on dust and sandstorms, etc., agreement of cooperation toward the East Asia Summit
Korea Jeju Island		Agreement for reviewing 10-year activity and enhancing cooperation
China Beijing		Establishment of 10 priority areas for the next 5 years based on the 10-year initiatives
Japan Hokkaido		Approval of the Tripartite Joint Action Plan on Environmental Cooperation by the ministers of the three countries
Korea Busan		Confirmation of the Action Plan progress and organization of student & industry forums
China Beijing		Share of domestic environmental policy, confirmation of the Action Plan progress, and organization of student & industry forums
Japan KitaKyushu		Exchange of views on domestic environmental policy of the three countries and organization of youth & industry forums
Korea Daegu		Inclusion of air pollution improvement in the priority area and organization of youth & business forums
China Shanghai		Tripartite Joint Action Plan, adoption of joint communiqué Organization of Youth Forum & Tripartite Business Round Table Meeting
Japan Shizuoka		Share of domestic environmental policy, confirmation of the action plan progress and organization of youth & business forum
Korea Suwon		Share of domestic environmental policy, confirmation of the action plan progress and organization of youth & business forum

TEEN's Major achievements

Phase 1 2000 ~ 2002

- **Launch a database on environmental education organizations**
 - Three tripartite environmental education database creation meetings were held during Jan. 2001 to Jan. 2002. The database has been integrated into the East Asia Database (right figure).



http://www.jeef.or.jp/EAST_ASIA/

- **Understanding of the current status of environmental education**

- Enhancement of the tripartite environmental education expert network
- Sharing experience and information on environmental education activities

Phase 2 2003 ~ 2005

- **Update database on environmental education organizations**
- **Develop education materials for school students**

FY 2005 to FY 2006

Environmental education teaching materials for children

Japan Establishing treaties, marshes and forests to protect crane

China Product lifecycle, air pollution

Korea River and our life
Traditional environmental wisdom



Phase 2 2006 ~ 2009

- **Promotion of development and exchange of young leaders**

During four years from FY 2008 to FY 2011, TEEN dispatched several students from each country to give exchange through presentations and workshops, etc.

- **Promotion of school environmental education and exchange through education**

- **Provision of lectures on the theme in accordance with interests of each country**

Phase 3 2010 ~ 2015

- **Development of 8 teaching materials for elementary school students jointly by the three countries**

- **Provision of lectures on the theme in accordance with interests of each country**



A chronological table of TEEN's footprints to date

TEEN's activities			
Year	Host country/venue	Theme of symposium	Theme of workshop
2018	Japan Kitakyushu	Developing sustainable community through multi-stakeholders collaboration –towards the achieving the SDGs-	Visit to Kitakyushu environment museum and Kitakyushu Manabito ESD station Implementation of workshop through using facilitation-guidebook
2019	China Hangzhou	Commemorating the 20th Anniversary of Trilateral EE Cooperation	Report on case examples by Japanese and Korean environmental education experts and discussion among Japanese, Chinese, and Korean people are involved in environmental education. Visit to an experimental elementary school
2020	Korea (hosted virtually)	Environmental education at the local level: Sharing experiences of China, Japan, and Korea	EE in the Post-COVID-19 Era: Hands-on trial on a smartphone application "Community Mapping" Mutual learning from the experiences of EE in collaboration with local governments in C/J/K
2021	Japan (hosted virtually)	Our proactive choice for 2050: Implementation of decarbonized society and a role of Environmental Education	Conducting mock classes using the facilitation-guidebook
2022	China (hosted virtually)	Nature-based Environmental Education Innovation: Connection, Integration and Creation	Sharing of case studies of nature-based environmental education and discussion by environmental education practitioners

TEMM's activities	
Host country/venue	General outline
China Suzhou	Review of environmental cooperation in the three countries in the past 20 years, and organization of youth & business forum
Japan KitaKyushu	Share of environmental policy, confirmation of the progress of action plan, and organization of youth & business forum
	(Postponed due to COVID-19)
Korea (hosted virtually)	Tripartite Joint Action Plan, adoption of joint communiqué and organization of Youth Forum
China (hosted virtually)	Confirmation of the progress of the Tripartite Joint Action Plan, adoption of joint communiqué and organization of Youth Forum & Tripartite Business Round Table Meeting

TEEN's Major achievements

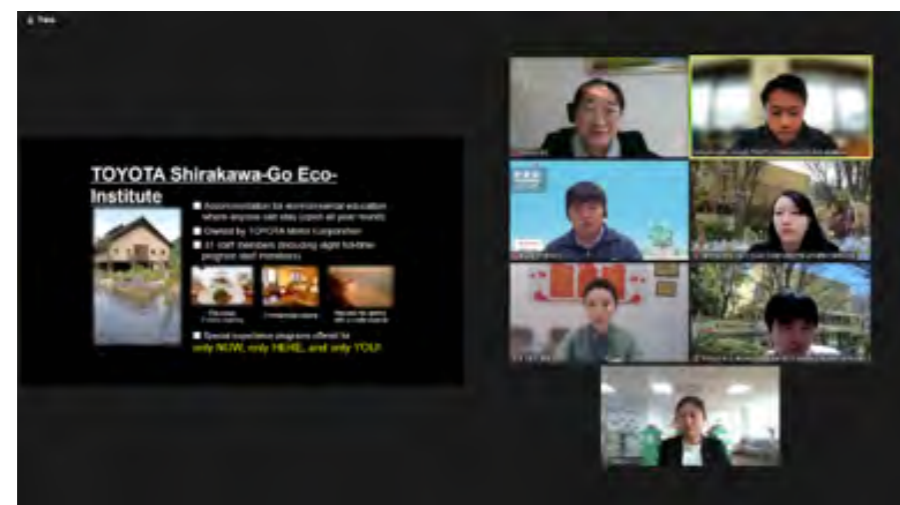
Phase 5 2015 ~ 2020

- Japan :
Development of facilitation-guide book for environmental educator
- China :
Development of a book by organizing outcomes TEEN has produced so far
- Korea : Development and Operation of TEEN web site (<http://teen-temm.net>)



4. Outline of TEEN's held to date

The following contents summarize activities of TEEN, especially those of symposia and workshops held to date. As the activities of TEEN link to that TEMM, the contents also include the entire activities of TEMM and Youth Forum in fiscal year.



The symposium and workshop of the 23rd Tripartite Environmental Education Network

The 1st TEEN

The memorial fist TEEN was held in Japan

Date & Venue
November 30 (Thu.) to December 1 (Fri) 2000: Fujinomiya, Shizuoka, Japan / December 2 (Sat.): Tokyo

<Outline of TEEN>

The first workshop was held from November 30 to December 1, 2000, in Fujinomiya, Shizuoka Prefecture, and the first symposium was held on December 2 in Tokyo aiming at the organization of TEEN. About 30 participants include education environment experts a, teachers, and NGO representatives gathered from the three countries to exchange views and experience on initiatives and practices of environmental education initiated in each country. Moreover, as the first step of the initiative, it was agreed to develop and establish a common database related to representative organizations involving to environmental education in the three countries.

<Theme of symposium>

- Coexistence of people and nature
- Examples of nature school

<Theme of workshop>

- Current status of environmental education in each country and plans for activities for the establishment of environmental education network

<Entrusted by>

- Japan Environmental Education Forum
- *Symposium was also cooperated by AEON Environmental Foundation

<Entire activities of TEMM>

The fist TEMM was held in Seoul, Korea, in January 1999. The Ministers of Environment from China, Japan, and Korea met together and agreed to strengthen the cooperative relationship for environmental issues in North Asia and the world and to establish the priority areas of environmental degradation to be addressed especially in North Asia. Following this agreement, the environmental ministers of China, Japan, and Korea met in Beijing for the Second TEMM in February 2000 and agreed to move forward the following concrete projects (TEMM Projects focusing on the priority areas: 1) raising the consciousness of the environmental community, 2) prevention of fresh water (lake) pollution, 3) prevention of land-based marine pollution, 4) cooperation in the environmental industry, and 5) ecological conservation of North-west China. Moreover, the "TEMM official website" was launched and the "first TEEN" was held as part of the main TEMM Projects.

The 2nd TEEN

Database Establishment to strengthen the tripartite network

Date & Venue
October 29 (Mon.) to 31 (Wed.) 2001: Beijing, China

<Outline of TEEN>

Participants introduced their activity to establish environmental education collaboration among the three countries and discussed about how to improve the database of each country. In addition to the decision of TEEN logo, a joint symposium was also held where about 300 high school students from Beijing participated. Student participants performed a play on the theme of environmental education.

<Theme of symposium>

- Current status of environmental education in the three countries

<Theme of workshop>

- Environmental education policy
- School education, examples of activity involved with partnership

<Entrusted by>

- Japan Environmental Education Forum

<Entire activities of TEMM>

At the third TEMM held in Tokyo in April 2001, the ministers confirmed the necessity to strengthen domestic efforts and international cooperation for serious situations of climate change issues, particularly the efforts to early entry into force of the Kyoto Protocol. Regarding air pollution, the ministers reaffirmed acid rain as being the common issue of the three countries and the importance of Acid Deposition Monitoring Network in East Asia (EANET).

The 3rd TEEN

Efforts related to the current status of environmental education focused on local and river in the three countries

Date & Venue
September 24 (Tue.) to 27 (Fri.) 2002: in Seoul, Korea

<Outline of TEEN>

Participants made presentation and exchanged views on the current status of environmental education focused on local and river in the three countries. Discussions were also made between each competent organizations and participants regarding TEEN's future directions. Subsequently, it was agreed to start making concrete consideration of a joint program of environmental education for children at the fifth TEMM held in Beijing in December 2003.

<Theme of symposium>

- The current status of local environmental education in the three countries

<Theme of workshop>

- The current status of environmental education focused on local and river in the three countries

<Entrusted by>

- Japan Environmental Education Forum

<Entire activities of TEMM>

The fourth TEEM was held in Seoul, Korea, in April 2004 to discuss about regional issues in North East Asia, such as climate change, dust and sandstorm, and ecological conservation of North-west China. The environmental ministers built a consensus to make the three countries' effort to reflect opinions of Asia satisfactory to the course of the Johannesburg Summit. Moreover, it was confirmed to contribute to dust and sandstorm issues through seminar, training, research and study, etc.

The 4th TEEN

Future challenges of environmental education in light of the UN Decade of Education for Sustainable Development, 2005- 2014 (DESD)

Date & Venue
January 15 (Thu.) to 17 (Sat.) 2003: Shizuoka, Japan

<Outline of TEEN>

With "sustainable development for education" in mind, participants discussed about elements and roles of environmental education. They also examined how to develop together an environmental education program for children aiming to raise awareness of environmental issues.

<Theme of symposium>

- Environmental conservation and education at a local level (sharing experiences of the three countries)

<Theme of workshop>

- Future challenges of environmental education in light of the DESD
- Ecotourism and environmental education

<Entrusted by>

- Japan Environmental Education Forum

<Entire activities of TEMM>

At the fifth TEMM held in Beijing, China, in December 2003, the ministers confirmed the significance of initiatives to integrate economic and social development and environmental protection, such as the establishment of recyclable society in North East Asia and enhancement of measures for air pollution in urban area and lake and river water pollution. They also agreed to promote countermeasure projects, such as monitoring, for acid deposition, marine pollution and dust and sandstorms. Regarding climate change, it was decided to encourage non-signatories so as to enable Kyoto Protocol to come into force earlier.

The 5th TEEN

Development of environmental education materials for children

Date & Venue
December 22 (Wed.) to 23 (Thu.): Tianjin, China

<Outline of TEEN>

Participants made presentation on "Environmental Education Program for Children" and each country agreed to choose a common environmental theme and develop education materials. The three countries then jointly developed environmental education materials for children on the three theme of "migratory bird," "river," and "recycle," and Japan made report on this at the sixth TEMM held in Seoul in October 2005.

<Theme of symposium>

- Environmental education for youth and its practice of the three countries

<Theme of workshop>

- The policy and practice on environmental education for children in the three countries

<Entrusted by>

- Japan Environmental Education Forum

<Entire activities of TEMM>

The sixth TEMM was held in Tokyo in December 2004. The ministers agreed to build cooperative relationship in Asia for the establishment of recycle society and decided to organize tripartite seminar, etc. and start information exchange and policy dialogue in the area of environment and economy including recycle society by promoting participation of various entities. Moreover, a workgroup was established for continuously discussing about the way of environmental management in North East Asia.

The 6th TEEN

Presentation of the results of application of environmental education materials for children and corporate activities of environmental education

Date & Venue
December 20 (Tue.) to 22 (Thu.) 2005: Seoul, Korea

<Outline of TEEN>

The results of application of education materials for children in each country were reported. In addition, from the perspectives of environmental education in business and industry, persons from enterprises in each country made presentation on their activity. It was proposed as future activities to involve students who are interested in environmental education and invite observers from Mongol and Russia considering the initiatives as the North East Asian region.

<Theme of symposium>

- School's roles of DESD (Decade of Education for Sustainable Development)
- School's roles in building recycle society

<Theme of workshop>

- Presentation of the results of application of each education materials, "White-naped Crane," "Recycle" and "River Program" developed by the three countries
- Environmental education in industry and business

<Entrusted by>

- Japan Environmental Education Forum

<Entire activities of TEMM>

The seventh TEMM was held in Jeju Island, Korea, in October 2005. It was agreed that the three countries took turns organizing joint seminar and workshop on recycle society taking for the next three years, planed the environmental impact assessment of the Free Trade Agreement and cooperative activities on management of electrical and electronic wastes, and promote joint initiatives for marine and coast environmental conservation, such as measures against marine litter.

Cases of environmental education in coastal regions of the three countries

Date & Venue
October 27 (Fri.) to 28 (Sat.) 2006: Kanazawa, Ishikawa, Japan

<Outline of TEEN>

Participants discussed about cases of environmental education youth program, etc. at the workshop. At the symposium, all participants from the three countries lively exchange their view on the theme of environmental education in coastal regions of the three countries.

<Theme of symposium>

- Marine-related cases of environmental education in coastal regions of the three countries

<Theme of workshop>

- Cases of environmental education youth program
- Town building / local community development centered on environmental education

<Entrusted by>

- Japan Environmental Education Forum

<Entire activities of TEMM>

The eighth TEMM was held in Beijing, China, in December 2006. Regarding climate change issues, the decision to carry out the second review of Kyoto Protocol in 2008 at COP 12 and COP/MOP 2 was assessed. It was also agreed to organize a meeting at the director general level to discuss about concrete measures, including establishment of a joint research, for reducing adverse effects of dust and sandstorms on human health. Furthermore, the ministers shared recognition that further cooperation is necessary to address the issue of various marine litters.

Tripartite initiatives for the improvement of urban air pollution

Date & Venue
October 25 (Thu.) to 26 (Fri.) 2007: Beijing, China

<Outline of TEEN>

About 160 participants including environmental education experts and NGO staff from the three countries participated in the symposium. At the symposium and workshop, initiatives of each country were shared as well as participants' views were actively exchanged on the theme of the improvement of urban air pollution.

<Theme of symposium>

- Environmental education for urban clean air for sustainable city

<Theme of workshop>

- Environmental education for urban clean air
- Networking on environmental education in Korea, China, and Japan
- TEEN's action plan for the next three years

<Entrusted by>

- OWLS Co., Ltd.

<Entire activities of TEMM>

The ninth TEMM was held in Toyama, Japan, in December 2007. In addition to active exchange of views against global warming, it was agreed to start a joint research on dust and sandstorms and to promote research cooperation to identify the mechanisms of ozone pollution of photochemical oxidant. It was also agreed to share information on biodiversity conservation, strengthen cooperation and collaboration on the management of electrical and electric wastes (e-waste), and promote further cooperation on the management of chemicals, and confirmed the collaboration of follow-up activities of the East Asia Summit.

Initiatives of nurturing young environmental education leaders in higher education

Date & Venue
November 20 (Thu.) to 21 (Fri.) 2008: Seoul, Korea

<Outline of TEEN>

Officers in charge of the environmental ministries from Japan and Korea and environmental education experts from the three countries participated to the workshop and made presentation and exchange views on the theme of "toward vitalization of tripartite environmental education exchange." Japan introduced its initiative of the human resource development of environment in Asia. At the symposium, participants shared efforts of three countries and exchanged views on the theme of "young environmental education leaders in higher education." In addition to the attendance of participants of the Tripartite Environmental Education Exchange Program for Youth (TEEPY), about 200 citizens participated to the symposium. In the session of "Food and Environment," some TEEPY participants made discussion and presentation on the theme of environmental wisdom in traditional cultures. According to the review by students, they could have a precious experience to develop their abilities of dialogue and problem solving and creativity through creating a mind map of food and eco-map of a village and making kimuchi (Korean pickles).

<Theme of symposium>

- Young environmental education leaders in higher education
- Presentation of achievement of the Tripartite Environmental Education Exchange Program for Youth (TEEPY)

<Theme of workshop>

- The activation of the three countries' environmental education exchange
- The future direction of TEEN among three countries

<Entrusted by>

- OWLS Co., Ltd.

<Entire activities of TEMM>

The tenth TEMM was held in Jeju Island, Korea, in December 2008. In addition to active exchanges of views on climate change and the establishment of low-carbon society, it was agreed to further strengthen cooperative relationship for photochemical oxidant research, joint research on dust and sand storms, cooperation for marine litter management, and establishment of recycle society. Moreover, activities of TEMM for the past decade was reviewed, and it was agreed to further enhance the regional tripartite cooperation in North East Asia.

Cooperation among local governments, academia and private entities and development of leaders in higher education

Date & Venue
November 16 (Mon.) to 17 (Tue.) 2009: Nagoya, Aichi, Japan

<Outline of TEEN>

The symposium and workshop were held focusing on development of environmental leaders in higher education through cooperation among local governments, academia and private entities, with the participants of experts and government officers. In addition to sharing relevant activities of each country, cooperative relationship in future was discussed. At the Tripartite Environment Student Summit (TESS), students from each country made presentations and exchanged views on their environmental activities and prepare a joint statement. Then, they developed the tripartite student environment network concept (three action plans) and presented it at the TEEN symposium.

<Theme of symposium>

- Cooperation among local governments, academia and private entities and development of leaders in higher education

<Theme of workshop>

- Regional cooperation for promoting environmental leader development in higher education institution

<Entrusted by>

- Japan Environmental Education Forum

<Entire activities of TEMM>

The eleventh TEMM was held in Beijing, China, in December 2009. At the meeting, 10 priority areas of cooperation for the next five years were defined.

[Cooperation priority area from 2009 to 2014]

(i) Environmental Education, Environmental Awareness and Public Participation; (ii) Climate Change (Co-benefits Approaches, Low Carbon Society, Green Growth, etc.); (iii) Biodiversity Conservation; (iv) DSS (Dust and Sandstorms); (v) Pollution Control (Air, Water, Marine Environment etc.); (vi) Environment-Friendly Society/3R/Sound Resource Recycle Society; (vii) Transboundary Movement of E-Waste; (viii) Sound Management of Chemicals; (ix) Environmental Governance in Northeast Asia; and (x) Environmental Industries and Technology.

<Relevant project: AEAN+ 3 Youth Education Forum 2010>

Students of the three countries were invited to the Forum held in Brunei Darussalam in March 2010. This Forum has been organized by ASEAN countries since 2005 and it was the third occasion. 140 youths with their age 25 participated to the Forum.

The 11th TEEN

Environment and development and biodiversity conservation

Date & Venue
March 15 (Tue.) to 16 (Wed.) 2011: Beijing, China

<Outline of TEEN>

At the workshop, lectures and reports of case study on environment and development and biodiversity conservation, etc. The current status on environmental education was also reported from the three countries and future cooperative relationship was discussed.

*Symposium was not organized for the eleventh TEEN.

<Theme of workshop>

- Education program centered on biodiversity
- Future direction of TEEN

<Entrusted by>

- Chubu University

<Entire activities of TEMM>

The twelfth TEMM was held in Hokkaido, Japan, in May 2010. At the meeting, it was reaffirmed that TEMM played an important role of promoting regional environmental cooperation in North East Asia and achieving sustainable development. Moreover, the "Tripartite Joint Action Plan on Environmental Cooperation" was jointly organized to define 10 priority areas and adopted as cooperation priority areas for the next five years.

<Japan-China Environmental Student Meeting>

The meeting was held in Beijing, China, in March 2011 where participants shared information on the current status of environmental issues and environmental activities of each country, attended keynote speech by experts, and created an eco-map by which the current status of environmental issues were identified and visualized. The participants were divided in three groups of climate change, water quality management and resources to discuss about action plans to be committed in future.

The 12th TEEN

Promotion of green growth environmental education for environment leader development

Date & Venue
October 25 (Tue.) to 27 (Thu.): Gyeongju, Korea

<Outline of TEEN>

TEEN's history and achievement was presented and environmental education policy was explained by administrative personnel at the symposium. At the workshop, experts made presentation on the promotion of green growth environmental education for environment leader development, etc. In the student session, students from the three countries introduced best practices of universities in each country on the theme of "establishment of green campus and practice of green life."

<Theme of symposium>

- Future of environmental education – toward "practice"
- Debrief of TEEN's history and achievement
- Environmental education policy of each government

<Theme of workshop>

- Promotion of green growth environmental education for environment leader development
- Tripartite Student Forum: establishment of green campus and practice of green life
- Evaluation and future direction of TEEN

<Entrusted by>

- Japan Environmental Education Forum

<Entire activities of TEMM>

The thirteenth TEMM was held in Busan, Korea, in April 2011. At the meeting, the participants exchanged views on progress of environment policy in each country, global and regional issues, etc. The progress of the "Joint Action Plan" which established in the last year was also confirmed and agreed to further facilitate its implementation. Moreover, "TEMM student forum" and "TEMM Industry Forum," which were organized by students of the three countries and representatives of industry, were held.

<TEMM Student Forum>

In accordance with the organization of TEMM 13, the student forum was also held in Busan, Korea. Student representatives of the three countries made presentation and exchanged views on the themes of "Realizing low-carbon green campus" and "development of future green leaders."

The 13th TEEN

The latest activities on Education for Sustainable Development (ESD)

Date & Venue
October 23 (Tue.) to 26 (Fri.) 2012: Sendai, Miyagi, Japan

<Outline of TEEN>

At the symposium, the three countries made presentation on the theme of "the latest trend of Education for Sustainable Development (ESD)." As "domestic and international ESD activities," the three countries' experts introduced cases of ESD at the national and regional levels. At the workshop, with the aim to develop together books on the theme of "environmental wisdoms in traditional cultures" and "our shared future" which were related to environmental conservation of the three countries, active discussion was made including the introduction of the current status of the field of education in each country.

<Theme of symposium>

- The latest trend of Education for Sustainable Development (ESD)
- Debrief of TEEN's history and achievement

<Theme of workshop>

- Consideration of the direction for developing tripartite environmental education books

<Entrusted by>

- Japan Environmental Education Forum

<Entire activities of TEMM>

The fourteenth TEMM was held in Beijing, China, in May 2012. Domestic environmental policy of the three countries was introduced, and participants exchanged views on major policy on global and regional environmental issues, progress evaluation of the joint action plan, and the debrief of student and business forum. These results were adopted as a joint communiqué.

<TEMM Student Forum>

On May 3, 2012, exchange of views and discussions by student representatives of the three countries were held in Beijing, China in accordance with organization of TEMM 14. At the student forum, the student representatives of each country made presentations on the themes of "environmental activities of youth" and "the role of youth to promote sustainable development and green economy."

The 14th TEEN

Environmental education in higher education and new challenges and prospect for Education for Sustainable Development (ESD)

Date & Venue
October 22 (Tue.) to 24 (Thu.) 2013: Beijing, China

<Outline of TEEN>

The meeting was held with the aim to provide an opportunity to exchange views on experiences, values and ideas with TEEN member countries on the theme of "environmental education in higher education and new challenges and prospect for Education for Sustainable Development (ESD)." The workshop was also held by experts of the three countries on the theme of "consideration of developing environment books for children in the three countries." Regarding environment books for the fifth- and sixth-grade students, the development of which has been ongoing by the three countries, the development progress was confirmed and views on its contents and work process were actively exchanged.

<Theme of symposium>

- Environmental education in higher education and the current status and trend as well as new challenges of ESD

<Theme of workshop>

- Consideration of developing environment books for children in the three countries

<Entrusted by>

- Japan Environmental Education Forum

<Entire activities of TEMM>

The fifteenth TEMM was held in Kita-kyushu city, Japan in May 2013. At the meeting, together with the introduction of the progress of domestic environmental policy in the three countries, frank views on air pollution, green economy, climate change, biodiversity, etc. was exchanged and adopted as a joint communiqué. Moreover, the results of "TEMM Youth Forum" and "TEMM Business Forum" was reported and these were adopted a joint communiqué.

<TEMM Youth Forum>

On May 5, 2013, in accordance with the organization of TEMM 15, the youth forum was held in Kita-Kyushu city where youth representatives from the three countries exchanged their views. At the youth forum, the youth representatives of each country made presentations and discussions on the themes of "environmental issues and initiatives toward environmentally sustainable city" and "toward environmentally sustainable city."

The 15th TEEN

Future activities for tripartite cooperation of sustainable environmental education

Date & Venue
October 22 (Wed.) to 24 (Fri.) 2014: Jeju Island, Korea

<Outline of TEEN>

Under the theme of "future activities for tripartite cooperation of sustainable environmental education," footsteps and achievement of TEEN were reviewed and prospects on future activities of the three countries were presented.

At the workshop, amid eight environmental education books for children which the three countries have been jointly developing, the development progress and the contents and work process of one each book developed by Japan and Korea were confirmed. In addition, views on the five-year plan of TEEN (2015 to 2019) were exchanged. As initiatives of planned tripartite projects, "development of newly independent TEEN website," "creation of short video collection by theme," "comparative study of environmental education program initiated by private entities of the three countries as part of their CSR activities," etc. were proposed and it was agreed to continue the discussions toward achievement of these projects.

<Theme of symposium>

- Future activities for tripartite cooperation of sustainable environmental education

<Theme of workshop>

- Final confirmation on the development of environmental education books for children in the three countries

<Entrusted by>

- Japan Environmental Education Forum

<Entire activities of TEMM>

The 16th TEMM was held in April 2014 in Daegu, Korea. In the meeting the three countries reported on the progress of their domestic environmental policies and discussed air pollution issues as the most important agenda. As a result, the improvement of air quality was determined as one of the priority areas in the tripartite cooperation for the next five years, and a communique containing the specifics of future cooperation was adopted. At the same time the Youth Forum and Business Forum were also held with the participation of youth and industry representatives from the three countries. Their results were reported to the three Ministers at the Ministerial Meeting.

<TEMM Youth Forum>

On April 28, 2014, in accordance with the organization of TEMM 16, the youth forum was held in Daegu, Korea, where youth representatives from the three countries exchanged their views and discussed. The student representatives of each country introduced cases of their country on the theme of "youth's ambition toward sustainability and initiative of action". In the afternoon session, participants were mixed in three teams to exchange active and frank views.

The 16th TEEN

Connecting the world and regions (from the perspective of "glocal") – Post-DESD in Okayama city –

Date & Venue
October 25 (Sun.) to 27 (Tue.) 2015: Okayama city and Naoshima-cho, Kagawa

<Outline of TEEN>

Under the theme of "connecting the world and regions (from the perspective of "glocal") – Post-DESD in Okayama city –," participants exchanged views on environmental education and Education for Sustainable Development (ESD). At the workshop, participants visited "Midori to Mizuno Michi (Green and Water Path)" in Kyoyama district, Kita-ku, Okayama city where pioneering initiative of ESD has been promoted as well as Kyoyama Community Center to learn about its activities of handing down of traditional art, exchange with foreigners, etc. Moreover, by using an environmental education book developed by Korea, "Environmental wisdoms in traditional cultures: Ondol," a class was provided to grade-6 students of Sone Elementary School. At the class, students created a prototype of Korean underfloor heating device called Ondol and carried out experiment on heat conduction structure to underfloor using a moxibustion. In the excursion, participants visited Naoshima-cho, Kagawa, to see Benesse House Museum, Chichu Art Museum, and "le (house) Project," a work of a contemporary artist renovating an old Japanese-style house, and exchange views with persons concerned in Naoshima-cho. Through these activities, participants learned a practical example of regional development by art in terms of environmental education and ESD.

<Theme of symposium>

- Extension and networking of environmental education from point to line, to line to surface

<Theme of workshop>

- Visit to a pioneering case on environmental education and Education for Sustainable Development (ESD) in Japan
- Use of environmental education book for children developed by Korea

<Entrusted by>

- Japan Environmental Education Forum

<Entire activities of TEMM>

The seventeenth TEMM was held in Shanghai city, China, in April 2015. At the meeting, participants exchanged views on environmental policy progress in the three countries, global and regional environmental issues, and the progress of the Tripartite Joint Action Plan on Environmental Cooperation as well as adopted the "Tripartite Joint Action Plan on Environmental Cooperation" for the next 5 years (2015 to 2019) and a joint communiqué.

<TEMM Youth Forum>

On April 29, 2015, in accordance with the organization of TEMM 17, the youth forum was held in Shanghai city, China, participants of each country made presentations, exchange views and discussed on the role of youth for establishing the our linkage to nature in realizing sustainable development under the theme of "building relationship with nature."

The 17th TEEN

Strengthening Public Engagement for Environmental Education/Education for Sustainable Development

Date & Venue
September 23 (Fri.) to 25 (Sun.) 2016: China Shenzhen

<Outline of TEEN>

The theme for this meeting was "Strengthening Public Engagement for Environmental Education/ESD (Education for Sustainable Development)". Views were exchanged on environmental education and ESD efforts.

In the workshop, the participants visited Shenzhen Bay Park Nature School and took a tour of Shenzhen Futian Mangrove Park with a volunteer guide. The Japanese representatives gave lectures on the management of Nature School (Visitor Center) and interpretation to the employees of the Nature School and volunteers.

The group also visited Shenzhen OCT Primary School where the Korean representatives, based on the theme of traditional clothing taken from the environmental education book developed by Korea, "Traditional Wisdoms", held an event for experiencing silk spinning from cocoons and color dyeing to learn about how traditional clothing were made..

<Theme of symposium>

- Policy on promoting Environmental Education in China, Japan and Korea
- The impacts of Environmental Education/Education for Sustainable Development Program to local community

<Theme of workshop>

- Visit to Nature School (Visitor Center) in China
- Use of environmental education book for children developed by Korea

<Entrusted by>

- Japan Environmental Education Forum

<Entire activities of TEMM>

The 18th TEMM was held in April 2016 in Shizuoka City, Japan. In the meeting the three countries reported on the progress of their domestic environmental policies and exchanged views based on the reports. Based on the action plan adopted last year, the progress of activities in each area was reviewed and it was confirmed that cooperative efforts will continue and expand going forward. In addition, with regard to the 2030 Agenda for Sustainable Development and the Paris Agreement, it was agreed that measures will be implemented from this year. The importance of having the Paris Agreement enter into force at an early date was also confirmed. Furthermore, it was agreed that the parties will work towards sharing experiences and policies regarding the disposal of waste after natural disasters, such as major earthquakes.

<TEMM Youth Forum>

On April 25, 2016, the Youth Forum to exchange views and have discussions among the youth representatives from the three countries was held in Shizuoka City in conjunction with TEMM. Under the theme "Nature's benefits to people", the youth representatives from each country presented examples of efforts in their country such as visits to museums, including Tokai University's Natural History Museum and Marine Science Museum, and tea picking experience in Nihondaira, and views were exchanged.

The 18th TEEN

Bio-cultural diversity and community based environmental education

Date & Venue
November 1 (Wed.) to 3 (Fri.) 2017: Korea, Suwon

<Outline of TEEN>

The theme of this meeting was "Bio-cultural diversity and community based environmental education". The participants exchanged views on the activities on bio-cultural diversity, environmental education and ESD.

In the workshop, TEEN booth was exhibited at Gyeonggi environmental education festival. Also, Japanese teachers gave environmental education research class at Youn Hyun primary school. In the class, the participants learnt about bio-cultural diversity through reviewing the differences and similarities of rice in the three countries.

<Theme of symposium>

- Bio-cultural diversity and community based environmental education

<Theme of workshop>

- Exhibition at Gyeonggi environmental education festival
- Environmental education research class in Korean primary school by Japanese teachers

<Entrusted by>

- Japan Environmental Education Forum

<Entire activities of TEMM>

The 19th TEMM was held in August 2017 in Suwon, Korea. At the meeting, the participants exchanged views on environmental policy progress in the three countries, invasive alien species including red imported fire ant, marine debris, air pollution and SDGs (Sustainable Development Goals) as well as adopted a joint communiqué. Also, a bilateral environmental ministerial talk between Japan-China and Japan-South Korea was held, aiming at further promoting environmental cooperation.

<TEMM Youth Forum>

On August 24, the Youth Forum, to exchange views and have discussions among the youth representatives from three countries, was held in Suwon in conjunction with TEMM. Under the theme "Bio-cultural diversity and youth participation", the youth representatives from each country presented examples of effort in their country and exchanged views. Also, a declaration statement was created.

The 19th TEEN

Developing sustainable community through multi-stakeholders collaboration—towards the achieving the SDGs-

Date & Venue
October 6 (Sat.) to 8 (Mon.) 2018: Kitakyushu, Fukuoka, Japan

<Outline of TEEN>

The theme of this meeting was “Developing sustainable community through multi-stakeholders collaboration –towards the achieving the SDGs-”. The participants exchanged views on the activities on environmental education and ESD.

At the workshop, a training was held though using a facilitation guidebook which was being developed by Japan. In the excursion, the participants visited the Kitakyushu environmental museum and learned about the history of overcoming pollution and efforts for the future. After that, they visited the workshop venue "Kitakyushu ESD Manabito station" where is a common space for a project to foster students at Ten Universities and Colleges in Kitakyushu though practical training at the community, and learnt about the project.

<Theme of symposium>

- Developing sustainable community through multi-stakeholders collaboration –towards the achieving the SDGs-

<Theme of workshop>

- Implementation of workshop through using facilitation-guidebook

<Entrusted by>

- Japan Environmental Education Forum

<Entire activities of TEMM>

The 20th TEMM was held in June 2018 in Suzhou, China. At the meeting, the participants reviewed environmental cooperation in the three countries in the past 20 years and confirmed the recent progress. Also, the participants exchanged opinions on cooperation towards G20 (Energy Transitions and Global Environment for Sustainable Growth), collaborative research to construct decarbonized city, measures against invasive alien species including red imported fire ant, measures against marine debris, air pollution and SDGs (Sustainable Development Goals) as well as adopted a joint communiqué.

<TEEM Youth Forum>

On June 22-24, the Youth Forum, to exchange views and have discussions among the youth representatives from three countries, was held in Suzhou in conjunction with TEMM. Under the theme “Youth’s role in engaging general public march towards greener tomorrow”, the youth representatives from each country presented examples of effort in their country and exchanged views. At the end of the forum, a declaration statement was composed by youth delegates and reported by their representatives to Three Ministers at TEMM20.

The 20th TEEN

Commemorating the 20th Anniversary of Trilateral EE Cooperation

Date & Venue
October 27 (Sun.) to 29 (Tue.) 2019 China, Hangzhou city

<Outline of TEEN>

As the 20th anniversary of TEEN, the theme of this meeting was “Commemorating the 20th Anniversary of Trilateral EE Cooperation”. The participants exchanged views on the activities on environmental education and ESD.

The participants visited the center of an environmental education organization in Hangzhou Botanical Garden. At the center, Environmental educators and professionals had discussion following two good practices were reported from Japan and Korea,

After that, the participants visited an experimental elementary school then enjoyed a musical by pupils in the theme of “separating rubbish”, watched various after school activities, guided tour on rooftop garden by pupils.

At the finalday, participants visited Xixi national wetland park for the excursion, and learnt about life, culture and bio-diversities in Wetland.

<Theme of symposium>

- Commemorating the 20th Anniversary of Trilateral EE Cooperation

<Theme of workshop>

- Report on case examples by Japanese and Korean environmental education experts and discussion among Japanese, Chinese, and Korean people are involved in environmental education.
- Visit to an experimental elementary school

<Entrusted by>

- Japan Environmental Education Forum

<Entire activities of TEMM>

The 21th TEMM was held in November 2019 in Kitakyushu city, Japan. At the meeting, the participants exchanged opinions on the progress of national environmental policies. Also, they reviewed the tripartite action plan (2015-2019), related to environmental collaboration. After the review, they discussed on the priority areas such as improvement of air condition and 3R, to create the next tripartite action plan (2020-2024).

<TEEM Youth Forum>

On November 22-24, the Youth Forum, to exchange views and have discussions among the youth representatives from three countries, was held in Kitakyushu in conjunction with TEMM. Under the theme “Imagine, Create, and Action! -Transforming our world to sustainable for everyone”, the youth representatives from each country presented their ideas to achieve sustainable society and exchanged views. Also, the participants created a report on the result of the youth forum to the ministers of three countries.

The 21st TEEN

Environmental education at the local level: Sharing experiences of China, Japan, and Korea

Date & Venue
October 15 (Thu.) to 16 (Fri.) 2020 Korea, (hosted virtually)

<Outline of TEEN>

At the symposium under the theme of “Environmental education at the local level: Sharing experiences of China, Japan, and Korea”, opinions were exchanged based on practical reports from three countries on environmental education and ESD at the local level.

In the workshop, Korea introduced and gave a hands-on trial of an online environmental education program through a smartphone application “Community Mapping”, which is mapping animals and plants on a virtual map. At the second part of the workshop, 4-5 cases of environmental education in region were reported from each country, and participants share their experiences and exchanged their idea for further practices.

<Theme of symposium>

- Environmental education at the local level: Sharing experiences of China, Japan, and Korea

<Theme of workshop>

- EE in the Post-COVID-19 Era: Hands-on trial on a smartphone application “Community Mapping”
- Mutual learning from the experiences of EE in collaboration with local governments in C/J/K

<Entire activities of TEMM and TEMM Youth Forum>

TEMM 22 and TEMM 22 Youth Forum have been postponed to prevent the spread of COVID-19 infection.

The 22nd TEEN

Our proactive choice for 2050: Implementation of decarbonized society and a role of Environmental Education

Date & Venue
November 25 (Thurs.) to 26 (Fri.) 2021 Japan, (hosted virtually)

<Outline of TEEN>

At the symposium, under the theme of “Our proactive Choice for 2050 : Implementation of decarbonized society and a role of Environmental Education” research and practical presentations were made on environmental education and ESD initiatives in China, Japan, and Korea. In addition, a panel discussion was held among the presenters to exchange opinions on the role of environmental education in solving global climate change issues toward 2050.

In the workshop, a mock class was held on the theme of “Climate Change and Food” using the facilitation-guidebook developed as part of the TEEN joint project.

The participants were divided into groups from each country and discussed how food will be affected if climate change continues and what actions they can take in the future.

<Theme of symposium>

- Our proactive choice for 2050: Implementation of decarbonized society and a role of Environmental Education

<Theme of workshop>

- Conducting mock classes using the facilitation-guidebook

<Entrusted by>

- Japan Environmental Education Forum

<Entire activities of TEMM>

The 22nd TEMM was held in December 2021 in an online format hosted by Korea.

In this meeting, the participants exchanged views on the progress of environmental policies of each country, global and regional environmental issues, and the progress of the Tripartite Joint Action Plan on Environmental Cooperation, and adopted the Tripartite Joint Action Plan on Environmental Cooperation and the Joint Communiqué.

<TEEM Youth Forum>

On December 11, 2021, in conjunction with the 22nd TEMM, the TEMM Youth Forum was held under the theme of “Raise Youth Voices for Climate Action” in an online format hosted by Korea. In addition to the introduction of case studies by youth representatives from the three countries, the participants were divided into groups and discussed through workshops to create “Our Visions of 2050”.

<Outline of TEEN>

The theme of the symposium was "Nature-based Environmental Education Innovation : Connection, Integration and Creation". A panel discussion was held by the presenters and commentators, and opinions were exchanged on future prospects.

In the workshop, 5 environmental education practitioners from each country participated, and divided into groups to present their activities and exchange opinions on future collaboration.

<Theme of symposium>

- Nature-based Environmental Education Innovation:Connection, Integration and Creation

<Theme of workshop>

- Sharing of case studies of nature-based environmental education and discussion by environmental education practitioners

<Entrusted by>

- Japan Environmental Education Forum

<Entire activities of TEMM>

The 23rd TEMM was held in December 2022 in an online format hosted by China.

In this meeting, the participants exchanged opinions on environmental policies of each country and confirmed the progress of the Joint Action Plan (2021-2025), and adopted a joint communiqué as the outcome of the meeting.

<TEMM Youth Forum>

The TEMM Youth Forum will be held on March 29, 2023, under the theme "Youth on Biodiversity : Power for Action" in an online format, hosted by China. Representatives of youth from the three countries will introduce their initiatives and hold discussions.

TEEN's Footprints to date

Published date : March, 2023

Published by : Office of Environmental Education, Ministry's Secretariat,
Ministry of the Environment Japan

Plan/produce : Japan Environmental Education Forum

Design/print : Kinko's Japan Co., Ltd.

This leaflet is produced by using only materials in [Rank A], which may be recycled into printing paper, in accordance with the evaluation criteria of "printing" set force in the Basic Policy under the Law on Promoting Green Purchasing.
