

**Teaching for 2030:
Multi-layering ESD and GCED for Innovations in Teacher Education
towards the SDGs and ESD for 2030**



2019 Global Conference on Teacher Education for Education for Sustainable Development

Celebrating the 20th Anniversary of the UNESCO Chair in Reorienting Education towards Sustainability with the 11th Meeting of the International Network of Teacher Education Institutions



Organized by

UNESCO Chair in Research and Education for Sustainable Development at Okayama University, Japan
UNESCO Chair in Reorienting Education towards Sustainability at York University, Canada

Co-sponsored by

Okayama City; RCE Okayama; Asia-Pacific Cultural Centre for UNESCO (ACCU), Japan; Asia-Pacific Centre of Education for International Understanding (APCEIU), Republic of Korea; Asia-Pacific Institute on Education for Sustainable Development, China; Kappa Delta Pi (KDP) International Honor Society in Education, USA; Foundation for Environmental Education (FEE), Denmark; The Baltic and Black Sea Circle Consortium in Education Research (BBCC), Latvia; and ESD Innovate.

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Japanese National Commission for UNESCO

(MEXT (Ministry of Education, Culture, Sports, Science and Technology))

Under the patronage of



日本ユネスコ国内委員会

Japanese National Commission for UNESCO

22nd – 25th November 2019
Okayama University, Okayama, Japan

Participants will include teacher educators, deans of faculties of education, principals of teacher education institutions and other upper administrators from faculties of education, representatives of national or state/provincial ministries and UNESCO experts. About 200 participants are expected. An online conference is being developed for real-time participation and follow-up.

Programme Schedule

Friday, 22 November 2019

| Time | Venue: 50th Anniversary Hall, Okayama University | Room |
|-------------|--|------------|
| 13:00–14:00 | Registration <ul style="list-style-type: none"> • Signup for Regional Discussions • Confirmation for Banquet • Confirmation for School Visits | Auditorium |
| 14:00–14:20 | 1. Opening Ceremony Moderator: Ai Yamauchi, Okayama University, Japan <ul style="list-style-type: none"> • Hirofumi Makino, President, Okayama University, Japan • Fumiyasu Hirashita, Deputy Director-General for International Affairs, Ministry of Education, Culture, Sports, Science and Technology (MEXT); Senior Deputy Secretary-General, Japanese National Commission for UNESCO • Hirofumi Abe, Chairperson, RCE Okayama, Japan | |
| 14:20–14:30 | Honorary Doctorate Conferral Ceremony held by Okayama University | |
| 14:30–15:00 | 2. Memorial Lecture <ul style="list-style-type: none"> • ESD/GCED: Past, Present and Future Charles Hopkins, UNESCO Chair, York University, Canada | |
| 15:00–15:30 | 3. Conference Overview and Statement on ESD Teacher Education from Okayama <ul style="list-style-type: none"> • Hiroki Fujii, UNESCO Chair, Okayama University, Japan | |
| 15:30–16:00 | Group Photo | |
| 16:00–18:00 | 4. Symposium Status and Opportunities for ESD/GCED Host Moderator <ul style="list-style-type: none"> • Tomonori Ichinose, Miyagi University of Education, Japan Speakers: <ul style="list-style-type: none"> • Teacher Pedagogical Plight among Hunters and Gatherers Communities in the Midst of Changing Education Systems in Tana River & Mount Elgon Counties, Kenya Mary A. Otieno, Kenyatta University and RCE Greater Nairobi, Kenya • Preparing Teachers for 2030: Experiences from South-East Asia Ushio Miura, UNESCO Bangkok, Thailand • Hopes and Challenges for Teachers' Role in GCED in Implementation: The Case of South Korea's GCED Lead Teacher Program Run by UNESCO-APCEIU Soon-Yong Pak, Yonsei University, Republic of Korea • Transforming Teacher Education for and through ESD Matthias Barth, UNESCO Chair, Leuphana University of Lüneburg, Germany | Auditorium |
| | Free evening, networking opportunity | |

Saturday, 23 November 2019

| Time | Venue: Faculty of Education, Okayama University | Room |
|-------------|---|--|
| 9:00-10:00 | 5. Plenary Lectures Moderator: Itsuko Hagihara, UNESCO Chair, Okayama University, Japan <ul style="list-style-type: none"> • Integrating Cognitive, Social/Emotional and Behavioral Learning in the Teaching of Education for Sustainability and Global Citizenship: Recent Findings and Insights Aaron Benavot, University at Albany-SUNY, USA • Education for Sustainable Development and Global Citizenship Education: The Role of Local Government and University Utak Chung, Seoul Metropolitan Office of Education and Former Director of APCEIU, Republic of Korea | R 5202 |
| 10:00-11:30 | 6. ESD/GCED in UN Regions – Discussions Challenges, enablers and strategies to address SDG 4.7 in education institutions, input per region by INTEI <ul style="list-style-type: none"> • Central Asia and East Asia Chair: Janne Leino, Zhejiang International Studies University, China • Southeast Asia, South Asia, West Asia and Pacific Chair: Munirah Ghazali, University Sains Malaysia and RCE Penang, Malaysia • Africa Chair: Mary A. Otieno, Kenyatta University and RCE Greater Nairobi, Kenya • Europe and North America Chair: Matthias Barth, UNESCO Chair, Leuphana University of Lüneburg, Germany • Latin America and Caribbean Chair: Gustavo Lopez Ospina, Complexus Colombia, Colombia | R 5404 R 5405 R 5301 R 5303 R 5304 |
| 10:30- | Morning Break (in meeting rooms individually arranged per group) | |
| 11:30-12:30 | 7. Plenary Reporting from Regional Discussions <i>Each region will present the findings of group works, followed by discussions and collective planning.</i> | R 5202 |
| 12:30-13:30 | Lunch | |
| 13:30-15:30 | 8. Research Presentations, Followed by Special Interest Topic Meetings <i>Participants will select a session of their choice.</i> <ul style="list-style-type: none"> • ESD and GCED Chairs: Daehoon Jho, Sungshin Women’s University, Republic of Korea Shizuo Nakazawa, Nara University of Education, Japan • Environmental Education and ESD Chairs: Parshuram S Niraula, Centre for Environmental Education Nepal, Nepal Maurice DiGiuseppe, University Ontario Institute of Technology, Canada • Indigenous ESD Chairs: Jenny Ritchie, Victoria University of Wellington, New Zealand San Aye, Sagaing University of Education, Myanmar • ESD in Higher Education Chairs: Zainal Abidin Bin Sanusi, International Islamic University, Malaysia Janez Vogrinc, University of Ljubljana, Slovenia | R 5301 R 5303 R 5304 R 5403 |

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|-------------|---|----------------------|
| | <ul style="list-style-type: none"> • ESD and Community Engagement Chairs: Naomi Piovanelli, Padua University, Italy Mohamed Abelmeguid, Ain Shams University, Egypt • Sustainability Chairs: Yoshitsugu Hirata, Okayama University, Japan Dorcas Beryl Otieno Ogw, Kenyatta University, Kenya | R 5404 R 5405 |
| 15:30–16:00 | Afternoon Break | |
| 16:00–17:00 | 9. Poster Session <i>Each participant will visit and engage with presenters according to their interest.</i> | R 5101 |
| 18:30- | Banquet <i>You can walk to the banquet venue (about 20 min) by following the conference staffs. There is a shuttle bus that will departure at 17:15, 17:45 and 18:15; the maximum number of the passengers is 20 persons.</i> | Okayama Royal Hotel |

Sunday, 24 November 2019 shared with Okayama City and RCE Okayama

| Time | Venue: Faculty of Education, Okayama University | Room |
|--------------|--|--|
| 9:00 – 11:00 | 10. Research Presentations, Followed by Special Interest Topic Meetings <i>Participants will select a session of their choice.</i> <ul style="list-style-type: none"> • ESD and GCED Chairs: Nina Dagbaeva Zhamsuevna, Buyat State University Ulan-Ube, Russia Takaaki Fujiwara, Doshisha Women’s College of Liberal Arts, Japan • Environmental Education and ESD Chairs: David Makafane, National University of Lesotho, Lesotho Sompong Siboualipha, Bankeun Teacher College, Lao PDR • Indigenous ESD Chairs: Abdhesh Kumar Gangwar, RCE Srinagar, India Chiung-Fen Yen, Providence University, Taiwan • ESD in Elementary Schools and Pre-schools Chairs: Zhou Juan, Chinese National Working Committee for UNESCO on ESD, China Uriintuya Dembereldorj, Ministry of Education, Culture, Science and Sports, Mongolia • ESD in RCE Chairs: Aki Yonehara, Toyo University, Japan Hiroko Shibakawa, UNESCO Chair, Okayama University, Japan | R 5301 R 5303 R 5304 R 5403 R 5404 |
| 11:00–11:30 | Morning Break | |
| 11:30–12:30 | 11. Organizational Meetings <i>Participants without memberships are invited to join a meeting.</i> <ul style="list-style-type: none"> • INTEI and #IndigenousESD Chair: Katrin Kohl, UNESCO Chair, York University, Canada • Japan Society for the Promotion of Science (JSPS) Core-to-Core Programme on ESD Teacher Education Chairs: Wijaya, A. F. C., Indonesia University of | R 5404 R 5405 |

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|-------------|---|---|
| | <p>Education, Indonesia Dulguun Jargalsaikhan, National University of Mongolia, Mongolia</p> <ul style="list-style-type: none"> • UNESCO Associated Schools Network Chair: Tomonori Ichinose, Miyagi University of Education, Japan • Asia-Pacific Centre of Education for International Understanding Chair: Jihong Lee, APCEIU, Republic of Korea • Emerging Social Learning and Teacher Education for ESD/GCED: Partnership with Schools/HEI and CLCs Chair: Hiroko Shibakawa, UNESCO Chair, Okayama University, Japan | <p>R 5301</p> <p>R 5303</p> <p>R 5304</p> |
| 12:30–14:00 | <p>Lunch</p> <p><i>Poster sessions on community-based ESD organized by Okayama City and RCE Okayama are held at lunchtime. Participants are welcomed to participate in the sessions. The programme “12a. Public Forum” is carried out in English and Japanese. The audience device will be handed to the participants at the registration desk.</i></p> | R 5204 |
| 14:00–15:30 | <p>12a. Public Forum Organized by Okayama City and RCE Okayama</p> <p>Panel Discussions – ESD Practices in Local Community towards Achieving the SDGs</p> <p><i>Key factors for successful ESD implementation at local community will be discussed based on the experiences of the ‘ESD Okayama Award’s prize-winning projects (Global/Okayama Regional Prize).</i></p> <p>Host Moderator:</p> <ul style="list-style-type: none"> • Kiichi Oyasu, Asia-Pacific Cultural Centre for UNESCO (ACCU), Japan <p>Panelists:</p> <ul style="list-style-type: none"> • Sheila Murugi Muraguri, International Transformation Foundation (ITF), Kenya • Agus Maryono, Gadjah Mada University and RCE Yogyakarta, Indonesia • Peethambaarn, C. K., Centre for Innovation in Science and Social Action (CISSA) and RCE Thiruvananthapuram, India • Mio Ituji, Yakage Elementary, Junior and High School Students Association (YKG60), Japan • Miu Tanaka, Geography/History Club of Sanyo Girls' Junior/Senior High School, Japan <p>Commentator:</p> <ul style="list-style-type: none"> • Munirah Ghazali, University Sains Malaysia and RCE Penang, Malaysia | R 5202 |
| 15:30–16:30 | <p>Special Lectures</p> <p>Moderator: Yoshihisa Ohtake, Okayama University, Japan</p> <ul style="list-style-type: none"> • Inclusive Education and ESD Eiko Todo, Chairperson of the Asia-Pacific Dyslexia Forum 2020 Okayama, Japan • How Tokyo 2020 Olympic and Paralympic Games Become Sustainable? – Overview of the Tokyo 2020 Games Sustainable Report and Its Implementation - Junichi Fujino, Institute for Global Environmental Strategies (IGES), Japan | R 5202 |
| 14:00–15:00 | 12b. Special Session | R 5101 |

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| | <p>Asia-Pacific ESD Teacher Competency Framework: A new phase of ESD teacher education for promoting teachers' continuous professional development</p> <p>Coordinator:</p> <ul style="list-style-type: none"> Hiroki Fujii, UNESCO Chair, Okayama University, Japan <p>Speakers:</p> <ul style="list-style-type: none"> Ari Widodo, Indonesia University of Education, Indonesia Jenny Ritchie, Victoria University of Wellington, New Zealand Athapol Anunthavorasakul, Chulalongkorn University, Thailand <p>Commentator:</p> <ul style="list-style-type: none"> Taro Numano, National Institute for Educational Policy Research (NIER), Japan | |
| 16:30–17:00 | Afternoon Break | |
| 17:00–17:30 | <p>13. Closing Ceremony</p> <p>Moderator: Hiroko Shibakawa, UNESCO Chair, Okayama University, Japan</p> <ul style="list-style-type: none"> Yukari Mimura, Dean, Graduate School of Education, Okayama University, Japan Charles Hopkins, Professor, UNESCO Chair, York University, Canada | R 5101 |
| | Free evening, networking opportunity | |

Monday, 25 November 2019

| | | |
|-------------|---|-----------------|
| Time | | |
| 9:00–12:30 | <p>14. School Visits</p> <ul style="list-style-type: none"> Curriculum Management Harmonizing Three Dimensions – Cognitive, Social/Emotional and Behavioural Dimensions (Okayama University Attached Schools) Whole-community Approach on ESD (Public Schools and Community Learning Centre in Minan Area, Okayama City) | |
| 12:30–14:00 | Lunch | Korakuen garden |
| | Free afternoon, networking opportunity | |

Research Presentations, Followed by Special Interest Topic Meetings

13:30-15:30, Saturday, 23 November 2019

ESD and GCED

Room 5301

Chairs: Daehoon Jho, Sungshin Women's University, Republic of Korea
Shizuo Nakazawa, Nara University of Education, Japan

Strengthening MMSU Educational Mobility through Innovations and International Partnerships for Human Capital Improvement on Global Citizenship Education towards Education for Sustainable Development

Carlos M. Pascual and Shirley C. Agrupis
Mariano Marcos State University, Philippines

ESD Teacher Qualification Program

Shinya Kouno
Nara University of Education Primary School, Japan

The Development of ESD on Curriculum's Science Teaching Material

Wijaya, A. F. C.¹, Rusdiana, D.¹, Widodo, A.¹ and Hariyono, E.²
¹ Indonesia University of Education, Indonesia
² Surabaya State University, Indonesia

Development of the Slovene Pre-service Teachers' Professional Competencies for Education for Sustainable Development

Gregor Torkar, Luka Vinko, Janez Vogrinc and Iztok Devetak
University of Ljubljana, Slovenia

Improving or Damaging Preservice Teachers' Capacities for GCED?: The Case of South Korea

Daehoon Jho
Sungshin Women's University, Republic of Korea

Environmental Education and ESD

Room 5303

Chairs: Parshuram Sharma Niraula, Centre for Environmental Education Nepal, Nepal
Maurice DiGiuseppe, University Ontario Institute of Technology, Canada

Teacher Education on EE/ESD- A Possible Model for Successful Implementation

Parshuram Sharma Niraula
Centre for Environment Education Nepal, Nepal

Transforming Education through Teacher Belief

Madzniyah Md. Jaafar and Priscilla Arumugam
LeapEd Services Sendirian Berhad, Malaysia

The Green Fingers: Environmental Summer School for Children (ESSC)

Jaafaru Ibrahim Akibu and Martha Ogah
Regional Centre of Expertise (RCE) Minna, Nigeria

Environmental and Sustainability Education in Canadian Faculties of Education

Maurice DiGiuseppe
University of Ontario Institute of Technology, Canada

Climate and Music (Summary of Our Interdisciplinary Lesson Studies toward Development of the Climate and Cultural Understanding Education in ESD Spreading from the "Doors of Song")

Kuranoshin Kato¹, Haruko Kato² and Yusuke Kuwana¹
¹ Okayama University, Japan
² Gifu Shotoku Gakuen University, Japan

Indigenous ESD

Room 5304

Chairs: Jenny Ritchie, Victoria University of Wellington, New Zealand
San Aye, Sagaing University of Education, Myanmar

Exploring Implications for Initial Teacher Education of Findings from the Recent Research Project, 'Exploring Education for Sustainable Development (ESD) Approaches in Relation to Benefits for Māori Children and whānau' in Aotearoa (New Zealand)

Sandy Morrison and Jenny Ritchie
Te Herenga Waka Victoria University of Wellington, New Zealand
University of Waikato, New Zealand

A Music Learning Ecosystem Perspective on Indigenous Education for Sustainable Development

Paichi Pat Shein¹, Lin-Chien Tung¹, Peresang Sukinarhimi² and Wen-Chen Chen³

¹ National Sun Yat-sen University, Taiwan

² Indigenous People Cultural Development Center, Taiwan

³ National Museum of Marine Biology and Aquarium, Taiwan

Integration of Education for Sustainable Development (ESD) into Middle School Science Teaching through Lesson Study

San Aye
Sagaing University of Education, Myanmar

China's Rural Revitalization and the Ecovillage for Sustainable Development

Jiazhen Wang
Sunshine Ecovillage Network, China

Sunshine Ecovillage 's Exploration of ESD under the Association of East-West Culture

Xintong Wang
SEN Ecological Academy, China

ESD in Higher Education

Room 5403

Chairs: Zainal Abidin Bin Sanusi, International Islamic University, Malaysia
Janez Vogrinc, University of Ljubljana, Slovenia

On-line Lifelong Quality Teacher Education as Enabler for Expanding School Education Access in Pakistan

Munawar Sultana Mirza
Virtual University, Pakistan

A Curriculum Framework for the Sustainable Development Goals: Sharing the Commonwealth Secretariat Contribution to SDG 4

Zainal Abidin Bin Sanusi
International Islamic University Malaysia, Malaysia

Learning and Teaching Design for Education for Sustainable Development in the Faculty of Education of the Royal University of Phnom Penh

Socheath Mam
Royal University of Phnom Penh, Cambodia

Reshaping of Teacher Education Study Programs at the Faculty of Education University of Ljubljana towards Education for Sustainable Development

Janez Vogrinc, Iztok Devetak, Luka Vinko and Gregor Torkar
University of Ljubljana, Slovenia

Implementing ESD in Teacher Training Programs: Experiences from Sino-German Research Cooperation

Janne Leino and Chen Xiaoping
Zhejiang International Studies University, China

ESD and Community Engagement Room 5404

Chairs: Naomi Piovanelli, University of Padova, Italy
Mohamed Abelmeguid Said, Ain Shams University, Egypt

Engagement of Tamagawa University for Promoting ESD as a Member of ASPUnivNet

Makoto Kobayashi
Tamagawa University, Japan

Promoting Sustainable International Cooperation in Adult Education and Lifelong Learning as a Goal: The International and Comparative Studies for Students and Practitioners in Adult Education and Lifelong Learning (INTALL) Programme

Naomi Piovanelli
University of Padova, Italy

Role of University Special Centers in Supporting GCED through Community Based Initiatives: Case from Ain Shams University, Egypt

Mohamed Abdelmeguid Said
Ain Shams University, Egypt

Making Public Space through ESD Collaborations – The Civic Engagement in Nishigawa Canal Park of Okayama City

Yasushi Iwabuchi
Okayama University, Japan

Teacher Preparation and Teacher Development in Thailand: Through the Lens of Education for Sustainable Development

Athapol Anunthavorasakul
Chulalongkorn University, Thailand

Sustainability Room 5405

Chairs: Yoshitsugu Hirata, Okayama University, Japan
Dorcas Beryl Otieno Ogw, Kenyatta University, Kenya

An Ethical Consideration on the Concept of Sustainability

Yoshitsugu Hirata
Okayama University, Japan

ESD Alarming Encounter for Sustainable Future in Pakistan

Ayaz Muhammad Khan
University of Education Lahore, Pakistan

Enacting the Curriculum, Supporting Teacher Innovation and Promoting Sustainable Practices: An Example from a Maldivian Island School

Rhonda Di Biase
The University of Melbourne, Australia

Empowering Educators and Trainers to Prepare Vulnerable and Marginalized Youth for Inclusive Green Economy and Sustainable Future: A Case of Kenya

Dorcas Otieno¹, David Wandabi² and Lumbasi Wanikina Bartholomew³

¹ Kenyatta University, Kenya

² Kenya Organization for Environmental Education, Kenya

³ Kenya National Commission for UNESCO, Kenya

Revisiting the Okayama Model of Education for Sustainable Development by Using the Quintuple Helix Model of Analysis

Irina Safitri Zen

International Islamic University, Malaysia

9:00-11:00, Sunday, 24 November 2019

ESD and GCED

Room 5301

Chairs: Nina Dagbaeva, Buyat State University, Russia

Takaaki Fujiwara, Doshisha Women's College of Liberal Arts, Japan

The Transforming Teachers through Global Citizenship Education

Sayaka Matsukura

Sophia University, Japan

Capacity-building of Educators for GCED/ESD: Sharing APCEIU's Experiences

Jihong Lee

Asia-Pacific Centre of Education for International Understanding, Republic of Korea

A Citizenship Education Practice in Collaboration between the NPO and City Government

Kai Yamagishi and Masashi Takahata

Okayama University, Japan

Integration of ESD into the Structures of Teacher Education: Experience of Lake Baikal Region

Nina Dagbaeva

Buryat State University, Russia

Toward Development of Lesson Plans on Climate Variability and Disaster Prevention Education in ESD with Attention to the Great Variety of Heavy Rainfall Characteristics with Respect to Season and Region in East Asia

Kuranoshin Kato and Kengo Matsumoto

Okayama University, Japan

Environmental Education and ESD

Room 5303

Chairs: David Makafane, National University of Lesotho, Lesotho

Sompong Siboualipha, Bankeun Teacher College, Lao PDR

Perceptions of Tlokoeng Youth on Sustainable Quality Education

David Makafane

National University of Lesotho, Lesotho

Incorporating ESD to a Teacher Education University in Korea: The Experience of Korea National University of Education

Chankook Kim and DuGon Lee

Korea National University of Education, Republic of Korea

Mapping Curriculum to Address Sustainability for the Secondary Teacher Education Program (Biology) at Bankeun Teacher College (Lao PDR)

Sompong Siboualipha

Bankeun Teacher College, Lao PDR

Elementary School Teachers' Awareness about Disaster Risk Education - A Case Study in the Area where Natural Disasters Rarely Occur -

Toru Doi

University of Toyama, Japan

How Can Corporations Contribute to the Community through Environmental Education?: Focusing on Partnerships between Corporations and Universities in Korea

Eunjeong Ju
Seoul National University of Education, Republic of Korea

Indigenous ESD

Room 5304

Chairs: Abdhesh Kumar Gangwar, RCE Srinagar, India
Chiung-Fen Yen, Providence University, Taiwan

Educating Transhumants, the Gujjars and Bakarwals Schedule Tribes of Jammu & Kashmir, India

Abdhesh Kumar Gangwar and Rahul Goswami
RCE Srinagar, Jammu & Kashmir, India

Integrating Indigenous Perspective into Teacher Education: A Pilot Program on Vancouver Island, British Columbia, Canada

Rachel Moll, Danielle Alphonse and Marlene Rice³
Vancouver Island University, Canada

Fostering a Positive Learning Identity and Sustainable Set of Values through a Community-based Sustainable Education Program: Using an Indigenous Elementary School as an Example

Chiung-Fen Yen and Hsuan Fang Hung
Providence University, Taiwan

The Preservation of the Ecological Traditions of Indigenous Peoples for the Sustainable Development of the Local Community

Tugutova Tamara
Buryat State University, Russia

Reorienting Education and Training Systems to Improve the Lives of Indigenous Youth: Issues and Opportunities to Develop Quality Education for Orang Asli Youth in Malaysia

Sheila Santharamohana and Avi Macmull
LeapEd Services Sdn Bhd, Malaysia

ESD in Elementary Schools and Pre-schools

Room 5403

Chairs: Zhou Juan, Chinese National Working Committee for UNESCO on ESD, China
Uriintuya Dembereldorj, Ministry of Education, Culture, Science and Sports, Mongolia

Teacher Education in ESD in Collaboration with Nihondaira Zoo

Yukari Tamiya
Shizuoka University, Japan

The Role of Teacher Education in Forest Kindergarten Programs of Africa

Rosemary Olive Mbone Enie
Salama Heritage Ecovillage (SHE) Tanzania and Pan African Forest Kindergarten Association (PAFKA), Kenya

Empowering Teachers to Implement Personality Education (ESD Agenda in Elementary Schools)

Istiningsih and Sutrisno
State Islamic University, Indonesia

ESD in Elementary School in China

Shi Gendong and Zhou Juan
Chinese National Working Committee for UNESCO on ESD, China

The Opportunity to Educate ESD through STEM Education in Primary Education Level
Uriintuya Dembereldorj¹, Myagmar Jadamba², Dulguun Jargaldsaikhan³ and Ganbat Munkhuu³

¹ Mongolian National University of Education, Mongolia

² Ministry of Education, Culture, Science and Sports, Mongolia

³ National University of Mongolia, Mongolia

ESD in RCE

Room 5404

Chairs: Aki Yonehara, Toyo University, Japan

Hiroko Shibakawa, UNESCO Chair, Okayama University, Japan

Evaluation for “Unpacking” : ESD for School Management

Aki Yonehara

Toyo University, Japan

ESD Program Evaluation × MM

Kanako Horie, Yosuke Takahara and Toshio Matushira

Minato Mirai Honcho Elementary School, Yokohama, Japan

**ICT-enabled In-service Training of Teachers to Address Education for Sustainability:
An Inter University Partnership Initiative Development and Challenges**

Munirah Ghazali

University of Sains Malaysia and RCE Penang, Malaysia

**The Circle of Volunteer: Voices of the Junior High School Students Actively Engaged in
ESD in Minan Area, Okayama City**

Nodoka Kawase, Nozomi Kuroki and Mineo Eguchi

Okayama Municipal Minan Junior High School, Japan

**A Study on the Methodology of In-service Teacher Training for ESD Based on the
Whole-community Approach: Re-examination of the ESD Consortium Project in RCE
Okayama**

Hiroko Shibakawa

Okayama University, Japan

**ESD Awareness vis-à-vis Thematic Analysis of ESD Extension Programs of Teacher
Education Institutions in Cebu**

Jestoni Babia¹, Rex Villavelez¹ and Robbie Guevarra²

¹ University of San Jose – Recoletos, Philippines

² RMIT, Australia

Poster Sessions

16:00-17:00, Saturday, 23 November 2019

P-1

Seeking for Better ESD Practice in Tokyo Public High School without Assurances

Akihiko Fujino

Tokyo Metropolitan Sugunami Sogo High School, Japan

P-2

Development of Home Economics Classes from an ESD Perspective: Examining the Practice of the 2018 Liberal Arts Education Subject “Contemporary Issues in Education (Lifestyle and Environment)” at Okayama University

Sono Sato and Yoko Shinohara

Okayama University, Japan

P-3

Teacher Education for Yogo Teachers, Our Approach on ESD and Global/Local Health Promotion

Yamauchi Ai, Ito Takehiko, Aiko Tsushima, Hokuma Munakata, Hiroko Kamimura,

Mustumi Matsueda and Yukari Mimura

Okayama University, Japan

P-4

The Analysis of the Influence Factors on the Teaching Efficacy Awareness of Rural Primary School Teachers

Xiaomin An and Haiying Wang

Northeast Normal University, China

P-5

A Comparative Study on Teacher Training Systems

Masanobu Onoue, Kazuaki Kajii, Yoshitsukgu Hirata, Masayuki Kawano, Saho Akinaga,

Miria Sera and Yunjia Wang

Okayama University, Japan

P-6

Potential of Floriculture as a Bridge between Plant Science and Education for Sustainable Development

Ryota Ichikawa, Ai Murai, Korehito Arashiro, Minami Iwamuro, Misaki Nakayama,

Kaori Tamura, Yuri Moritoki and Taro Harada

Okayama University, Japan

P-7

Knowing and Action: Using UNESCO SDGs 4 - ESD Targets to Improve the Quality Education in Rural Areas in Taitung, Taiwan

Tung-Hsing and Yang Wei-Yang

National Taitung University, Taiwan

P-8

Implementing Undergraduate Curricula for ESD in Teacher Training at MNUE

Davaasuren, D. and Nyamsuren, B.

Mongolian National University of Education, Mongolia

P-9

Using *Kamishibai* to Teach Socio-environmental Human-wildlife Issues for the Public: Grassroots Action in Response to the 15th SDGs' Goal

Shiho Miyake

Kobe College, Japan

P-10

APCEIU's Online Programmes on GCED (GCED Online Campus & GCED Clearinghouse)

Yunjeong Lee and Jihong Lee

Asia-Pacific Centre of Education for International Understanding, Republic of Korea

P-11

Development of Metacognitive Skills in Mongolian National Science Curriculum

Dulguun Jargalsaikhan, Munkhuu Ganbat, Uuriintuya Dembereldorj and Munkhjin Oyunbat

National University of Mongolia, Mongolia