

Congress Program



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9 TH WORLD ENVIRONMENTAL EDUCATION CONGRESS
SEPTEMBER 9-15, 2017 | VANCOUVER, BC, CANADA

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Congress Secretariat

International Conference Services Ltd.
Suite 300, 1201 West Pender Street, Vancouver, BC, V6E 2V2
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Phone: +1 604 681 2153 | Fax: +1 604 681 1049

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Gregory Lowan-Trudeau, University of Calgary
Cam Mackenzie, Amaroo Environmental Education Centre
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Marcia McKenzie, University of Saskatchewan
Isabel Orellana, Université du Québec à Montréal
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Ingrid Samuelsson, University of Gothenburg
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Michele Sato, Federal University of Mato Grosso
Lucie Sauvé, Université du Québec à Montréal
Bonnie Shapiro, University of Calgary
Stephen Sterling, Plymouth University
Lawrence Surendra, The Sustainability Platform (TSP) of the National Design and Research Foundation of the Institution of Engineers
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Ecological Restoration

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General Congress Information

Congress Venue

Congress Venue

The 9th World Environmental Education Congress (WEEC 2017) will take place in the **West Building of the Vancouver Convention Centre**. The Convention Centre is located on the beautiful waterfront of downtown Vancouver.

Address

Vancouver Convention Centre West Building
1055 Canada Place
Vancouver, Canada
www.vancouverconventioncentre.com



General Congress Information

Venue Floor Plan



General Congress Information

Onsite Services and General Information

Attire

Business casual is appropriate for the congress including all social events. As room temperature can vary in session rooms, we encourage attendees to dress in layers for their personal comfort.

Cameras and Cell Phones

No cameras or video cameras are allowed in any event during WEEC 2017. As a courtesy to fellow attendees, please turn off cell phones during all sessions. Members of the media & press will be onsite.

Certificate of Attendance and Congress Evaluation

International attendees can request a 'Certificate of Attendance' by completing the congress evaluation form which will be e-mailed to all delegates after the congress. After completing the evaluation form you will be able to download your certificate of attendance.

Emergency services and first aid

In the event of a health, safety, or criminal emergency, dial 9-1-1.

Language

The official language of the WEEC 2017 is English. However, simultaneous French and Spanish translation will be available for the Opening & Closing Ceremonies. Please ask a congress volunteer for a headset before these sessions.

Lost and found

Lost and Found items should be returned/claimed at the Registration Desk.

Public transportation

Full congress delegates will be given a transit pass for their Community Outreach Workshop on Monday, September 11. We encourage delegates to take advantage of Metro Vancouver's transportation network – TransLink – for their transit to the respective Community Outreach Workshops.

For bus schedules, please visit the TransLink website:
www.translink.ca

Session recordings

Recording of sessions will not be permitted for WEEC 2017 unless granted by the Congress Secretariat.

Smoking

It is against the law to smoke in any indoor public place or worksite, including pubs, bars, restaurants, and shopping centres. Designated smoking rooms are non-existent, and public transit, transit shelters, taxis and work vehicles are also smoke-free.

In addition, there is a 3 metre non-smoking "buffer zone" around public and work place doorways, opening windows and air intakes including apartments and condominiums.

Staff and volunteers

Volunteers are working throughout the Convention Centre and are happy to assist with any questions delegates may have regarding the Congress or the Convention Centre. Delegates can easily locate them by their staff/volunteer badge.

Wireless internet

WEEC 2017 is providing free Wi-Fi throughout the Vancouver Convention Centre West Building. To ensure a positive Wi-Fi experience for all users please do not use your own wireless Hotspot device. These additional Wi-Fi devices create significant RF interference which can interfere with all Wi-Fi networks. Please turn these devices off and connect to the Wi-Fi network WEEC2017 and open your web browser to connect to the Internet.

Network: **WEEC2017**
Password: **environment**

Delegate Services Information Desk

Staff from the Tourism Vancouver Visitor Centre will be onsite at the information desk to answer any questions about the city, restaurants and to hand out city guides/maps.



General Congress Information

Congress Registration

Registration Hours

Vancouver Convention Centre West Building, Level 1 Lobby

Friday, September 8	14:00 – 19:00
Saturday, September 9	07:30 – 17:00
Sunday, September 10	07:30 – 18:30
Monday, September 11	16:00 – 19:00
Tuesday, September 12	07:30 – 16:30
Wednesday, September 13	07:30 – 15:00

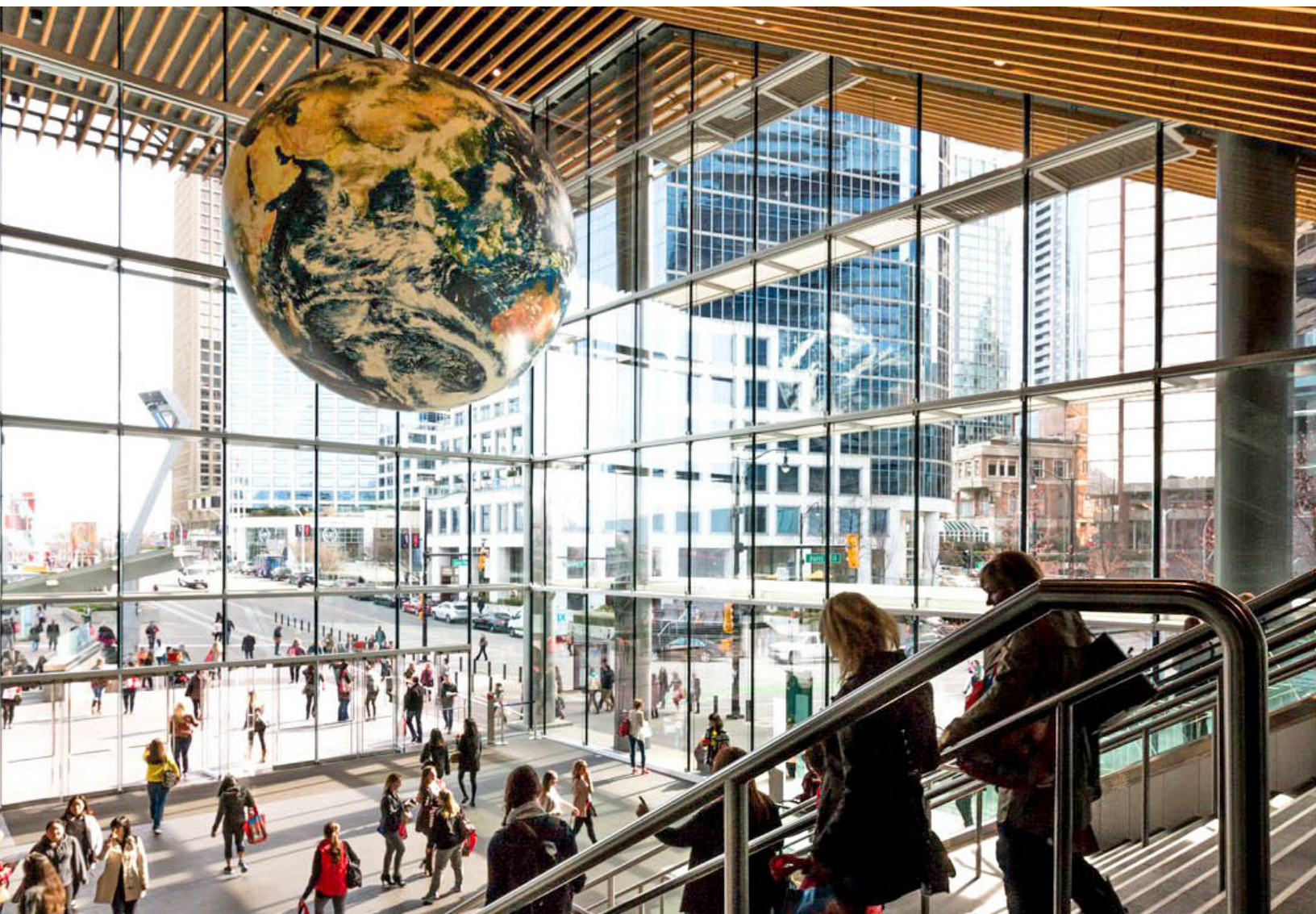
Name Badges

Delegates and guests are requested to wear their name badge at all times in order to participate in sessions, exhibition and networking opportunities. Please ensure that you pick up your name badge at the registration desk.

Press and Media Representatives

Journalists, including photographers must work exclusively for the outlet for which they are credentialed (exceptions for freelance journalists as detailed below). Journalists who use their media privileges to work for non-credentialed organizations will have their privileges revoked.

Pre-registered Press and Media representatives are required to check in at the regular registration counters.





RESOURCES FOR THE TRAIL AND CLASSROOM



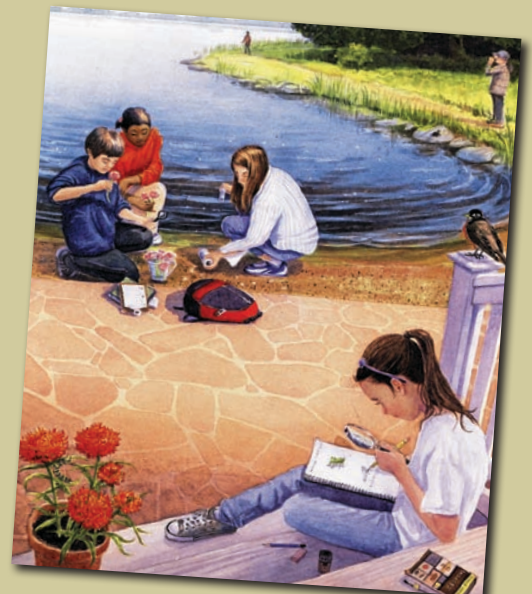
New Resources for the Trail and Classroom

Resources for:

- outdoor education
- inquiry-based learning
- environmental literacy
- STEM-based explorations
- NGSS-aligned investigations
- teaching science thru art and literature
- nature journaling
- animal tracking
- life cycle studies
- replicas and models

Acorn Naturalists offers hundreds of new materials for educators, naturalists, and interpreters. Visit our website or call for a free copy of our latest catalog.

Acorn Naturalists focuses on developing and distributing the highest quality resources for classroom, outdoor, and field-based learning experiences. These resources include skull and track replicas, science activity kits, field equipment, lab equipment, hand lenses, games, and art projects. In fact, we provide just about everything a teacher, parent, or naturalist could want for their daypack or classroom.



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Congress Program

Program at a Glance

	Saturday, September 9, 2017	Sunday, September 10, 2017	
08:00			08:00
08:30			08:30
09:00	Opening Ceremony 09:00 - 10:30	Parallel Sessions Teacher Friendly Program 08:30 - 10:00	09:00
09:30			09:30
10:00		Coffee Break 10:00 - 10:30	10:00
10:30			10:30
11:00	Coffee Break 10:30 - 11:00	Plenary Session Guujaaw 10:30 - 12:00	11:00
11:30	Parallel Sessions Teacher Friendly Program 11:00 - 12:00		11:30
12:00			12:00
12:30	Lunch Break 12:00 - 13:00	Lunch Break 12:00 - 13:00	12:30
13:00	Parallel Sessions Teacher Friendly Program 13:00 - 14:30	Parallel Sessions Teacher Friendly Program 13:00 - 14:30	13:00
13:30			13:30
14:00			14:00
14:30	Coffee Break 14:30 - 15:00	Coffee Break 14:30 - 15:00	14:30
15:00	Plenary Session Dr. Jeanette Armstrong 15:00 - 16:30	Plenary Session Prof. Wade Davis 15:00 - 16:30	15:00
15:30			15:30
16:00			16:00
16:30	Welcome Reception 16:30 - 19:00	Networking Break 16:30 - 17:00	16:30
17:00		Parallel Sessions Teacher Friendly Program 17:00 - 18:30	17:00
17:30			17:30
18:00			18:00
18:30			18:30
19:00			19:00
19:30			19:30
20:00			20:00
20:30			20:30
21:00			21:00

Congress Program

Program at a Glance

	Monday, September 11, 2017	Tuesday, September 12, 2017	Wednesday, September 13, 2017	
08:00				08:00
08:30				08:30
09:00	Community Outreach Workshops Various Offsite Venues 09:00 - 16:30	Parallel Sessions Research Focus 08:30 - 10:00	Plenary Session Dr. David Suzuki 08:30 - 10:00	09:00
09:30				09:30
10:00		Coffee Break 10:00 - 10:30	Coffee Break 10:00 - 10:30	10:00
10:30				10:30
11:00		Plenary Session Elizabeth May OC MP 10:30 - 12:00	Parallel Sessions Research Focus 10:30 - 12:00	11:00
11:30				11:30
12:00		Lunch Break 12:00 - 13:00	Lunch Break 12:00 - 13:00	12:00
12:30				12:30
13:00		Parallel Sessions Research Focus 13:00 - 14:30	Parallel Sessions Research Focus 13:00 - 14:30	13:00
13:30				13:30
14:00				14:00
14:30		Networking Break 14:30 - 15:00	Networking Break 14:30 - 15:00	14:30
15:00		Plenary Session Dr. Tara Cullis 15:00 - 16:30	Closing Ceremony 15:00 - 16:30	15:00
15:30				15:30
16:00				16:00
16:30				16:30
17:00	Plenary Session & Congress Evening Ticketed Event 17:00 - 20:00			17:00
17:30				17:30
18:00		Ocean Education Evening at the Vancouver Aquarium Ticketed Event 18:00 - 21:00		18:00
18:30				18:30
19:00				19:00
19:30				19:30
20:00				20:00
20:30				20:30
21:00				21:00

Congress Program

Opening & Closing Ceremonies



Opening Ceremony

Date: Saturday, September 9, 2017

Time: 09:00 – 10:30

Location: West Ballroom A

- 9:00 – 9:15 **Traditional Welcome and Acknowledgement with Elder Shane Pointe**
- 9:15 – 9:30 **Royal Welcomes**
- The Honourable Judith Guichon, OBC – Lieutenant Governor of British Columbia, Canada
 - Her Royal Highness Princess Lalla Hasnaa – Mohammed VI Foundation for the Protection of the Environment, Morocco
- 9:30 – 9:45 **Opening Remarks from WEEC 2017 Co-Chairs**
- **David Zandvliet** – Institute for Environmental Learning, Canada
 - **Mario Salomone** – WEEC Network
- 9:45 – 10:30 **Tblisi +40 Reflections (5 minute Video + Panel)**
- Moderator: Milt McClaren – Royal Roads University, Canada
 - **Elliott Harris** – United Nations Environment Programme
 - **Julia Heiss** – UNESCO Team Leader of Education for Sustainable Development
 - **Ekaterine Grigalava** – Deputy Minister of Environment and Natural Resources Protection of Georgia
 - **Tamar Aladashvili** – Department of Environmental Policy and International Relations, Georgia
 - **Charles Hopkins** – UNESCO Chair in Reorienting Teacher Education to Address Sustainability, York University, Canada

Closing Ceremony

Date: Wednesday, September 13, 2017

Time: 15:00 – 16:30

Location: West Ballroom A

Congress Proceedings

Rapporteur: **Antonio Fernández Crispín** – Benemerita Universidad Autonoma de Puebla, MX

Rapporteur: **Jo-Anne Ferreira** – Southern Cross University, AU

Closing Panel

Moderator: **Richard Kool**, Royal Roads University, Canada

Eduardo Sousa – Greenpeace, Canada

Jaime Webb – UNEP

Hailey Guest – Royal Roads University, Canada

James Hosking + Jordan Francis – Munro Academy, Canada

Abnash Kaur Bassi – Seaquam Secondary, Canada

Welcome to 2019

Congress Program

Plenary Sessions



Dr. Jeannette Armstrong

Date: Saturday, September 9, 2017

Time: 15:00 – 16:30

Location: West Ballroom A

Witnesses: Gregory Lowan-Trudeau & Vicki Kelly, CA



Guujaaw

Date: Sunday, September 10, 2017

Time: 10:30 – 12:00

Location: West Ballroom A

Witness: Barbara Wilson (Kii'iljuus), CA



Prof. Wade Davis

Date: Sunday, September 10, 2017

Time: 15:00 – 16:30

Location: West Ballroom A

Witness: Vicki Kelly, CA



Elizabeth May OC MP

Date: Tuesday, September 12, 2017

Time: 10:30 – 12:00

Location: West Ballroom A

Chair/ Respondent: Bob Jickling, CA



Dr. Tara Cullis

Date: Tuesday, September 12, 2017

Time: 15:00 – 16:30

Location: West Ballroom A

Chair/ Respondent: Cam Mackenzie, AU



Dr. David Suzuki

Date: Wednesday, September 13, 2017

Time: 08:30 – 10:00

Location: West Ballroom A

Chair/ Respondent: David Zandvliet, CA



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Congress Program

Community Outreach Workshops

Full congress delegates are required to attend a Community Outreach Workshop on **Monday, September 11, 2017** at venues throughout the city. The IEL's goal is to support community-based research and best practice for environmental education in both the formal and informal education sectors. Please refer to your registration record for the workshop you have signed up for.

Full congress delegates will be given a transit pass for their Community Outreach Workshop on Monday, September 11. We encourage delegates to take advantage of Metro Vancouver's transportation network – TransLink – for their transit to the respective Community Outreach Workshops.

For bus schedules, please visit the TransLink website: www.translink.ca



Congress Program

Community Outreach Workshops



Kwantlen Polytechnic University – Richmond Campus
Strand: Agriculture and Garden-Based Learning
 Program: 09:00 – 16:00
Website: www.kpu.ca/agriculture
 Location: 8771 Lansdowne Road, Richmond, BC



Bill Reid Gallery of Northwest Coast Art
Strand: Indigenous Knowledge and Environmental Education
 Program: 10:00 – 16:00
Website: www.billreidgallery.ca
 Location: 639 Hornby St, Vancouver, BC



Morris J Wosk Centre for Dialogue
Strand: Perspectives, Challenges and Innovation in Research
 Program: 10:00 – 16:00
Website: www.sfu.ca/mecs/facilities/centre-for-dialogue.html
 Location: 580 W Hastings St, Vancouver, BC



Lynn Canyon Ecology Centre
Strand: Early Childhood Education and Environmental Education
 Program: 10:00 – 16:00
Website: www.lynnecanonecologycentre.ca
 Location: 3663 Park Rd, North Vancouver, BC



Douglas College – New Westminster Campus
Strand: Urban Eco-systems
 Program: 10:00 – 16:00
Website: www.douglascollege.ca
 Location: 700 Royal Avenue, New Westminster, BC (Aboriginal Gathering Place)



Vancouver Aquarium Marine Science Centre
Strand: Global Policy and Environmental Education
 Program: 09:00 – 16:00
Website: www.vanaqua.org
 Location: 845 Avison Way, Vancouver, BC



UBC Farm Yurt
Strand: Agriculture and Garden-Based Learning
 Program: 10:00 – 16:00
Website: www.ubcfarm.ubc.ca/venues/ubc-farm-yurt
 Location: 3461 Ross Drive, Vancouver, BC



Mountain Equipment Co-op Head Office
Strand: Environmental Communication (and Uncertainty)
 Program: 09:00 – 16:00
Website: www.mec.ca
 Location: 1077 Great Northern Way, Vancouver, BC (Trailhead Room)



Children's Garden at UBC Farm & UBC Orchard Garden
Strand: Agriculture and Garden-Based Learning
 Program: 10:00 – 16:00
Website: www.ubcfarm.ubc.ca/venues/ubc-farm
 Location: 3461 Ross Drive, Vancouver, BC



BC Teachers' Federation
Strand: Ethics Lead Learning and Sustainability
 Program: 10:00 – 16:30
Website: www.bctf.ca
 Location: 100-550 West 6th Avenue, Vancouver, BC
 Prior-Sutherland Board Rooms



Means of Production Garden & Trillium North Park
Strand: Arts Based Approaches in EE
 Program: 10:00 – 12:00
Website: www.moparrc.com
 Location: E 6th Ave & St Catherines St, Vancouver, BC
 Program: 14:00 – 16:00
Website: www.trilliumnorthpark.com
 Location: 600 National Ave, Vancouver, BC



Unitarian Church of Vancouver
Strand: Social Responsibility and Agency/Activism
 Program: 10:00 – 15:30
Website: www.rc.org/publication/environment/sustainingalllife
 Location: 949 49 AVE W, Vancouver, BC



Stanley Park Ecology Society
Strand: Nature as Teacher / Nature as Researcher
 Program: 09:00 – 16:00
Website: www.stanleyparkecology.ca
 Location: 610 Pipeline Rd, 2nd floor, Vancouver, BC



Science World British Columbia
Strand: Place-based Education and Local Outdoor Learning
 Program: 10:00 – 14:00
Website: www.scienceworld.ca
 Location: 1455 Quebec Street, Vancouver, BC



Surrey Nature Centre
Strand: Architecture and Green Design
 Program: 10:00 – 15:30
Website: www.surrey.ca/naturecentre
 Location: 14225 Green Timbers Way, Surrey, BC



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Congress Program

Program Schedule

Symposia/Panels

Symposia will involve a panel of experts or stakeholders who examine a specific theme or issue. The proposer controls presentations, discussion, and questioning with the assistance of the presider/discussant. Discussion will promote the expression of alternative viewpoints and theoretical positions. This format will be reserved for plenary or general sessions.

Novel Format

In these sessions, presenters share work in an alternative format. There may be a number of novel format presentations scheduled at any time and these may occur inside meetings spaces or in public areas during the meeting. A facilitator will introduce the presenter(s) and will keep time for the session. Novel formats can be assigned timeslots from 30 minutes to 90-minutes, but normally individual presenters will be allotted 30 minutes.

*Novel format presenters were not asked to prepare a PowerPoint presentation.

Paper Sessions

Only a limited number of paper sessions were scheduled for each theme of the congress. In a paper session, a presider/discussant introduces the speakers, who then present an abbreviated version of their papers. Each paper will be allotted 10 minutes for presentation, followed by 5 minutes of questions, critique, and/or discussion. The discussant and audience will use the remaining time for additional discussion, general review, and suggestions for further research.

*Paper session presenters were not asked to prepare a PowerPoint presentation.

Round Tables

In discussion based round table sessions, each presenter is assigned a table or a circular arrangement of chairs where interested persons will gather for discussion with the presenter about his or her topic. The presenter makes a short, informal presentation followed by discussion that he or she controls. There may be several papers assigned to one room resulting in concurrent discussions throughout the room. A presider/discussant may be assigned; if so, the presider will introduce the presenters, explain the format of the session, and give a 5-minute warning of the session ending time.

*Round table presenters were not asked to prepare a PowerPoint presentation.

Interactive Poster Sessions

Eight to ten posters will be assigned to one room organized according to a theme. Presenters must set up their displays (maximum poster size: A0: 33.1 in (w) x 46.8 in (h) - portrait format) prior to the start of the session and then promptly remove them at the end of the session. Each presenter will have 2-3 minutes to present a brief overview of his or her research at the start of the session. At the conclusion of the brief presentations, audience members will have approximately 45 minutes to circulate throughout the room to view the posters and interact with the presenters. At the conclusion of this time, the audience members will return to their seats for a large group discussion facilitated by the session presider or discussant (15 mins).

*Push pins will be provided onsite for presenters to pin their poster presentations to poster boards.



Congress Program

Program Schedule | Special Sessions

IEL-A2: EE Across the Themes I

Format: Interactive Posters
Date: Saturday, September 9, 2017
Time: 11:00 - 12:00
Room: West Meeting Room 118

ID: 733 - The Most Important Curriculum: Learning to Grow Food in a Changing Climate - **Julie Johnston**, CA

ID: 1054 - Enhancing Healthy Foods in Schools through Multidimensional Hands-On Learning - **Patrick Gale**, CA

ID: 1069 - Philosophy of naturalistic intelligence. In search of the lost link - **Consuelo Orozco Giraldo**, CO

ID: 534 - Valuing Nature in Childhood: the first environmental conservation education intervention for preschool children living around Cuc Phuong National Park, Ninh Binh, Vietnam. - **Lan Ho**, VN

ID: 780 - Analyzing the Efficacy of Environmental Topics Used in English Language Textbooks in Japanese Higher Education - **Joshua Jodoin**, JP

ID: 455 - Creative Arts and Sustainability for Econnection in Early Childhood - **Kumara Ward**, AU

ID: 665 - Wilding the Rubrics: Pondering Wild Pedagogies within Educator Training Programs - **Polly Knowlton Cockett**, CA

ID: 578 - Green Impact: developing the agency of staff and students to transform campus culture - **Quinn Runkle**, GB

ID: 246 - Power and Expertise in the Garden - **Megan McGinty**, US

ID: 335 - Challenges and opportunities of an indigenous- non-indigenous environmental partnership - **Chris North**, NZ

ID: 919 - Collaborative online learning for environmental education in the US and China - **Yue Li**, US

IEL-A3: EE Across the Themes II

Format: Interactive Posters
Date: Saturday, September 9, 2017
Time: 11:00 - 12:00
Room: West Meeting Room 118

ID: 39 - The effect of environmental education on improving the mental health of children - **Seyed Mohammad Shobeiri**, IR

ID: 69 - An Evaluation for Interpretive signage at World Heritage Site in China - **Xue Dong**, US

ID: 87 - Integrating teaching and learning around the 7 Sustainable Development Goals of the Well-being of Future Generations (Wales) Act within Higher Education - **Carolyn Hayles**, GB

ID: 90 - Hospitales Verdes, una retribucion social y ambiental con nuestra ciudad. - **Claudia Paz**, CO

ID: 161 - University-wide Staff Sustainability Skills Survey - **Carolyn Hayles**, GB

ID: 163 - University-wide response to the Well-being of Future Generations (Wales) Act - **Carolyn Hayles**, GB

ID: 174 - Nature connection practices promoting self-knowledge and caring for nature - **Riitta Wahlström**, FI

ID: 176 - Botanical Garden: COME IN! VSTUPTJE! KOM IN! WEJD. _! GYERE BE! - **Kennert Danielsson**, SE

ID: 178 - Pro-environmental Behavior Models of University Student for Mitigating Climate Change on Purchase of Green Products - **Tai-Yi Yu**, TW

ID: 211 - Fighting Fracking Downunder an Older Women's Agenda: óNannagogy - the Knitting Nannas Against Gas (Australia) - **Lorraine Larri**, AU

ID: 214 - Post-Sustainability and Environmental Education: Remaking Education for the Future - **Bob Jickling**, CA

ID: 218 - Sacred Land: Potential Connections to Environmental Awareness and Engagement - **Janet Groen**, CA

ID: 241 - Guardians of the Great Barrier Reef - Stewardship in Action - **Megan Connell**, AU

IEL-A4: The Building as Teacher: Sustainable Schools as Integrated Learning Environments

Format: Workshop
Date: Saturday, September 9, 2017
Time: 11:00 - 12:00
Room: West Meeting Room 120

IEL-C: Ecological Identity in Teacher Education

Format: Novel Format
Date: Sunday, September 10, 2017
Time: 08:30 - 10:00
Room: West Meeting Room 109

IEL-D1: PICS Session - Innovative Tools for Learning Sustainability, Energy and Climate Change

Format: Workshop
Date: Sunday, September 10, 2017
Time: 13:00 - 14:30
Room: West Meeting Room 109

This session will explore different interactive games to promote learning on energy, sustainable living and climate change. Each with the goal of mobilizing students to value sustainable actions and to motivate solutions on climate change:

1. Megawatts and Marbles: A playful approach to understanding power-systems - Benjamin Lyseng, Institute for Integrated Energy Systems
 - Participants take on the roles of power plants and work together to "generate" the required amount of electricity, represented by marbles
 - Participants have the opportunity to design and operate their own low-carbon power system
 - Experiential learning outcomes include the delicate generation-demand balance and behaviour of different power plants, from coal to solar
2. Learning about sustainable living through interactive games , Lyn Bartram, SIAT-SFU
 - Two interactive games, the Energy Tree and the Water garden, in which the players can explore the impacts of daily activities on electricity and water use
3. Future Delta 2.0. An educational video-game for social mobilization on climate change , Stephen Sheppard, Deepti Mathew Iype and Alicia La Valle, CALP-UBC
 - The Future Delta 2.0 (FD2) videogame enables real-time

Congress Program

Program Schedule | Special Sessions

exploration, querying and creative problem solving of local climate change scenarios, allowing users to learn about potential impacts, adaptation solutions, and mitigation strategies to reduce carbon emissions. The purpose of FD2 is to enable the player (beyond high school students & teachers who have helped co-design & evaluate the game) to experience the choices and decisions that are involved in making Delta an attractive and resilient low-carbon community. This immersive and interactive tool provides an active learning environment that can be integrated into high school curricula, as well as accessed by anyone in the broader community. Guided by teachers and supplementary resources, students can help create alternative future scenarios through inquiry learning around real local issues of climate change. It offers teachers a powerful new tool that may add value to their existing methods and help them meet the new BC curriculum and student citizenship goals more efficiently and interactively.

IEL-D2: EE Across the Themes II

Format: Interactive Posters

Date: Sunday, September 10, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 116

ID: 259 - Development of educational programs emphasizing the nature experiences in biotope - **Akihiro Iijima**, JP

ID: 266 - Aplicación interdisciplinar de técnicas educativas a la problemática ambiental de los humedales tipo cauce aislado del río Valle del Cauca Colombia (2012-2016) - **Luis Gonzalez Escobar**, CO

ID: 278 - NO EASY WAY OUT -How fast does in-situ conservation education wear off: the case study of the critically endangered Philippine Cockatoo Conservation Program in Palawan, Philippines - **Indira Dayang Widmann**, PH

ID: 287 - Las practicas de Egresados de programas de maestria en educacion ambiental: caso de una profesora de biologia de educacion secundaria - **Oswaldo Escobar Uribe**, MX

ID: 308 - The Status of Nonformal EE in Taiwan: The spectrum of promoting environmental education facilities through EE Act - **Yi-Hsuan Hsu**, TW

ID: 316 - Tool-kit for teaching Climate Change - Delivering climate science education and increasing scientific literacy through simulation, games and inquiry - **Savannah Poirier Hollander**, CA

ID: 341 - Investigation into the Core Competencies Required for "Environmental Educators" to Work in an Environmental Education Learning Center - **Traishar Kao**, TW

ID: 344 - Reuse centre as a place to learn about sustainability - **Elena Saarikallio**, FI

ID: 348 - Learning community development and increasing personal agency in a 15-week, residential, place-based sustainable education: successes and suggestions. - **David Ostergren**, US

ID: 391 - Norwegian and Australian children's understanding of sustainability related issues in their kindergarten and home - **Barbara Maria Sageidet**, NO

ID: 427 - Making field trips in nature effective: The interplay between novelty and learning - **Peter Van Petegem, Jan Van Hoof & Jelle Boeve-de Pauw**, BE

IEL-E1: UNEP Session - Promoting Sustainable Lifestyles in Higher Education

Format: Workshop

Date: Sunday, September 10, 2017

Time: 17:00 - 18:30

Room: West Meeting Room 109

We make millions of decisions in our lives. For the lucky amongst us, those decisions vary wildly. What to eat? Where to live? How to get around? What to wear? What to do for fun? No matter how we answer these questions, the lifestyles we live determine our quality of life and have a profound impact on the planet - affecting everything from how economies grow to the health of the environment. Global issues like climate change and pollution are symptoms of human activity to produce and consume (to meet basic needs and desires) around core lifestyle domains (ie. food, housing, mobility, leisure and consumer goods). Harnessing the power of individual decision making -holistically- for sustainability could be a game changer. Educating young people - who are setting today's trends and will be tomorrow's decision makers - is the key leverage point.

Fifty per cent of the world's population is under 25 and most of them live in urban areas across the globe. Currently they are inspired by 'traditional' relatively wasteful consumption trends so education is critical. Ironically, today's youth are the last generation who can take action to achieve the Sustainable Development Goals in 15 years. We need to develop and apply new tools and approaches to encourage understanding and behavioural change towards sustainable lifestyles. Educators and academic institution managers, working with students and others in collaborative efforts, are positioned to equip students with the needed understanding and skills for sustainable consumption/sustainable development for their future professional and personal lives.

UN Environment supports enhancing understanding and action research on sustainable lifestyles on campus, including awareness raising and curricula development. Working with members of the Global Universities Partnership on Environment and Sustainability and building on the emerging evidence from the Consumption and Sustainable Lifestyles Hub, UN Environment hopes to support a generation of graduates for whom sustainability is the platform upon which lifestyle choices are built. This session will explore what are sustainable lifestyles and how universities and youth can engage and promote sustainable lifestyles on campus and in their futures. The event programme will include:

1. Defining a sustainable lifestyle (15 minutes)
2. World Café of case studies from universities (30 minutes)
3. Q&A (10 minutes)
4. Closing (5 minutes)

Congress Program

Program Schedule | Special Sessions

IEL-E2: EE Across the Themes III

Format: Interactive Posters

Date: Sunday, September 10, 2017

Time: 17:00 - 18:30

Room: West Meeting Room 116

ID: 466 - The Zayed Future Energy Prize Global High Schools Award: A Unique Approach to Environmental Engagement and Education - **Nawal Al Hosany**, AE

ID: 472 - Medicina Tradicional Mexicana y la Educacion Ambiental - **Alma Cuevas-Nunez**, MX

ID: 490 - Educacion ambiental en un Area Natural Protegida con la incorporacion de estudiantes universitarios. - **Elena Arano Leal**, MX

ID: 492 - Nuevos paradigmas en la relación hombre naturaleza en los Andes - **German Callejas**, ES

ID: 495 - Environmental Education Certificate Program of Distinction - **Molina Walters**, US

ID: 509 - Field-based study in tertiary biological sciences: an endangered species? - **Frances Quinn**, AU

ID: 529 - Saving Nemo through Aquaculture Conservation and Citizen Scientists - **Karen Burke da Silva**, AU

ID: 542 - Place-based Education in the Anthropocene - **Bob Coulter**, US

ID: 551 - In children's neighborhood: Bunyaville environmental education center, Queensland, a case study from a close and from a long-distance perspective - **Barbara Maria Sageidet**, NO

ID: 562 - On-site Solar Energy Generation: The Opportunity for Experiential Learning - **Sarah Finder**, DE

ID: 603 - Confronting Health-related Challenges of Climate Change through Higher education program - **Pei-Chih Wu**, TW

ID: 620 - Ecole verte Fatick/Catalogne - **Mamadou TOURE**, SN

ID: 648 - Know*ledge Constellations and Re*constellating: Narratives to Inform Indigenous-and-Environmental Education - **Brigitte Evering**, CA

IEL-F: EE Across the Themes IV

Format: Interactive Posters

Date: Tuesday, September 12, 2017

Time: 08:30 - 10:00

Room: West Meeting Room 118

ID: 654 - Environmental education and sustainable tourism in Ember indigenous communities of the Chagres River - **Rolando Checa Campos**, PA

ID: 664 - Environmental Education Centers: A European Paradigm - **Constantinos Yanniris**, GR

ID: 702 - Ecological sanitation technology and agriculture - **SARRA KITANOU**, MA

ID: 721 - Special management waste in the ENMS Leon, Universidad de Guanajuato: the collection center - **Juana Ortiz Cienega**, MX

ID: 734 - How Can "Pokemon Go" Apply to Your Environmental Education Program? - **Xue Dong**, US

ID: 736 - The land value for indigenous peoples of the Amazon region of Acre, Brazil - **Rosely Imbernon**, BR

ID: 757 - Cultural Literacy/Environmental Education - **Barry Wood**, US

ID: 763 - Assessment of competencies for sustainability in secondary education in Mexico - **Jorge Rodriguez Aboytes**, MX

ID: 772 - Eco-san Latrine System and Its Acceptability by the Community in Democratic Republic of Congo - **Stanis Koko**, CD

ID: 773 - Educational Commons: Strategies, barriers and innovations in teaching Sustainable Development - **Cristina Capineri** & **Silvia Aru**, IT

IEL-H: UNEP Session - Supporting Policy through Education - No More Plastic Bags in Kenya

Format: Workshop

Date: Tuesday, September 12, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 109

Organized by UN Environment together with Kenya's National Environment Management Authority this event will present the recent plastic bags ban introduced by the Government of Kenya, including the use, manufacture and import of any plastic bags in the country. The event will explore the education initiatives that accompanied the ban and discuss their impact on public opinion, uptake and media coverage. The event programme will include:

1. Presentation on the plastic bags ban by NEMA (5 minutes)
2. Q&A (5 minutes)
3. Delivery of sample education actions (15 minutes)
4. Break-out group development of a policy-relevant lesson plan (25 minutes)
5. Reflections and closing (10 minutes)

Congress Program

Program Schedule | Special Sessions

IEL-J1: EE Across the Themes V

Format: Interactive Posters

Date: Wednesday, September 13, 2017

Time: 10:30 - 12:00

Room: West Meeting Room 109

ID: 154 - Impact of Climate Change on Agricultural Economic - **Karuna Chimire**, NP

ID: 360 - Honoring our Elders: Learning Science through Place-Based Approaches - **Yuen Sze Michelle Tan**, CA

ID: 1043 - TNC China Youth Engagement Program - **Xinchen Wei**, CN

ID: 1055 - An Examination of the Research and Innovative Planning Initiatives of North America's Largest Solar Driven Sustainable Green Florida Community - **William Hammond**, US

ID: 923 - Significance and possibility of indigenous environmental education research from Japanese context: A new method and approach - **Yuko Oguri**, JP

ID: 416 - A Critical Review of ESD in Japan: Beyond the Practice of Pouring New Wine into Old Bottles - **Yoshiyuki Nagata**, JP

IEL-J2: EE Across the Themes VI

Format: Interactive Posters

Date: Wednesday, September 13, 2017

Time: 10:30 - 12:00

Room: West Meeting Room 115

ID: 788 - Recurrent drought in Somalia and Genuine factors behind it - **Mohamud Ahmed**, SO

ID: 847 - Learning the river culture by playing, studying and discussing. (Results and experiences from case studies) - **Elena Comino**, IT

ID: 859 - The Process of equipment: Perceptions of Technology, Skill, and Risk in the Outdoors - **Kevin Fraser**, CA

ID: 889 - Getting Australian teachers started with sustainability - **Mark Caddey**, AU

ID: 939 - Inclusion, equality of opportunity and perception of the environment in the higher education system in Morocco. - **Mohammed YOUNI IDRISSE**, MA

ID: 958 - Teaching Global Indigenous cultures to young learners - **Sophia Hunter**, CA

ID: 974 - Educate to walk together: free ludic spaces for children. - **Maria Montalbano**, IT

ID: 1002 - Explorations in the Practice of Eco-Art: A Phenomenological Arts Informed Research Project - **Vivian Wood-Alexander**, CA

ID: 1014 - Beach Investigators - **Mark Bryant**, US

ID: 1025 - Blended Learning in Development - **Jaime Webbe**, KE

IEL-K: EE Across the Themes VII

Format: Interactive Posters

Date: Wednesday, September 13, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 109

ID: 598 - La naturaleza como maestra: Educacion Ambiental en el area de influencia de ITAIPU Binacional - **Ada Rivas de Escobar**, PY

ID: 831 - El ambito rural de Mexico. Espacio posible de la educacion ambiental que impulse proyectos productivos sustentables. - **Jose Silverio Morales**, MX

ID: 832 - Estudio ambiental integral de la zona lacustre-chinampera de San Pedro Tiahua CDMX. Hacia una propuesta para apuntalar procesos de conservacion biologica y productivos, mediante una estrategia de educacion ambiental. - **Jose Silverio Morales**, MX

ID: 701 - Performance of External Membrane Bioreactor for wastewater treatment and irrigation reuse - **SARRA KITANO**, MA

ID: 110 - Microorganisms as new expression systems in technology - **Forough Nejatollahi**, IR

ID: 865 - Analisis de los articulos cientificos de Investigacion en Educacion Ambiental de paises Iberoamericanos - **Antonio Fernandez Crispin**, MX

ID: 1057 - Unlocking the hidden power of worldviews: a new opportunity for the transformative Education for Sustainable Development - **Emilia de la Sienra**, AU

ID: 1067 - "Good, better, best": how do we label practice in environmental and sustainability education, and should we? - **Richard Kool**, CA

ID: 1068 - Fostering positive changes towards community wastes and the environment: Testing an environmental education intervention in a Chinese Loess Plateau village - **Aiqin Wang**, CN

ID: 1070 - A socioecological approach to landscape interpretation in biosphere reserves; the case of Montseny biosphere reserve - **Cinthia Pereira**, SP

AGL-A: Garden Based Learning in Post-Secondary Education

Format: Roundtables

Date: Saturday, September 9, 2017

Time: 11:00 - 12:00

Room: West Meeting Room 116

ID: 25 - Gardening in Your Classroom - **Monica Pastor**, US

ID: 320 - Service learning through traditional medicinal and pollinator garden design - **Caitlin Gilson**, US

ID: 460 - Food from my campus: A case study of action-orientated program about sustainable food in a university in Taiwan - **Mengyuan Jen**, TW

ID: 872 - The right to cultivated city, between environmental education et food education : Example of urban agriculture on university campus, in France - **Clarisse Pinel**, FR

Congress Program

Program Schedule | Agriculture and Garden-based Learning

AGL-B: Collaborative and Community Based Learning in Gardens

Format: Interactive Posters

Date: Saturday, September 9, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 116

ID: 11 - Collaborative research to enhance wellbeing through school and community gardens - **Son Truong**, AU

ID: 527 - Primary school gardens as mediators of pre-service teachers' environmental activism - **John Cripps Clark**, AU

ID: 591 - Rehabilitation et Valorisation des jardins historiques : un espace d'apprentissage, de decouverte et de sensibilisation collective pour la protection de l'environnement. - **Loubna Chaouni**, MA

ID: 687 - School Garden Learning Collaborative: the joining of formal and informal garden-based educators - **Sarah Stapleton**, US

ID: 28 - From Seed to Table to Actually Eating It! Impact of a Garden-Based Learning Experience in Children's Fondness to Trying and Eating Edible Plants. - **Tathali Urueta-Ortiz**, CA

ID: 1036 - Caring Well for People and Places: Hands-on Approaches in the Community - **Shai Kroeker**, CA

ID: 1017 - Aquaponics: out of the water and into the classroom - **Gay Bingham**, US

AGL-G: Cultivating Learning Network Community Outreach Workshop

Format: Workshop

Date: Monday, September 11, 2017

Time: 09:30 - 16:00

Room: Children's Garden at UBC Farm & UBC Orchard Garden (3461 Ross Drive, Vancouver, BC V6T 1W5)

Chair: Allan MacKinnon, CA

ID: 1037 - Embodied Earthflow and Ecofractal Dance: Jumping Levels of Emergence while Jumping Up - A Garden Co-Encounter - **Marna Hawk**, US

ID: 1026 - Developing attentiveness and empathy through eco-poetic listening and inquiry - **Susan Gerofsky**, CA

AGL-C: Sustainable Development through Community Based Gardening

Format: Interactive Posters

Date: Sunday, September 10, 2017

Time: 08:30 - 10:00

Room: West Meeting Room 116

Chair: Allan MacKinnon, CA

ID: 71 - Global Learning in local school gardens through virtual school garden exchanges - **Johanna Lochner**, DE

ID: 107 - Climate Change and Agricultural Production program - **Margit Sare**, EE

ID: 747 - Garden based learning in Environmental Education Centers and Networks in Greece - **FOTIOS PONTIKAKIS**, GR

AGL-H (Roundtables): The Berlin Connection: Conference Meet Up with Urban Farming Conference Berlin

Format: Roundtables

Date: Tuesday, September 12, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 116

Chair: Allan MacKinnon, CA

Congress Program

Program Schedule | Architecture and Green Design

ARC-B: Green Education Policy

Format: Paper Session

Date: Saturday, September 9, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 113

Chairs: John Dale & Claire Gallagher, US

ID: 204 - How can Energy Efficiency be implemented as a Product Service System - **Dirk Franco**, BE

ID: 58 - 360 degrees of change: 360 tonnes of greenhouse gas emissions reduction in a school setting - **Elaine Lewis**, AU

ARC-C: Sustainable School Design

Format: Paper Session

Date: Sunday, September 10, 2017

Time: 08:30 - 10:00

Room: West Meeting Room 113

Chairs: John Dale & Claire Gallagher, US

ID: 540 - Using school buildings and facilities to create a low carbon future - **Portia Odell**, AU

ID: 203 - The Non Energy Benefits of Energy Efficiency for Higher Education Institutes in combination with Global Reporting Initiative accelerate Sustainable Development. - **Dirk Franco**, BE

ID: 233 - Environmental Power Plant Project - **Micheli Machado**, BR & **Estevão Vernalha**, BR

ARC-D: Environmental Design Education Techniques

Format: Paper Session

Date: Sunday, September 10, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 113

Chairs: John Dale & Claire Gallagher, US

ID: 1011 - Designing Regenerative Futures: A Lively, Transdisciplinary Design Conversation with Permaculture and Regenerative Design, Co-Design, and Embodied Gestural Studies - Marna Hauk, US

ID: 1039 - Innovative Participatory Urban Design and Planning Can't Be Ignored in EE - Julia Morlacci, CA

ARC-G: Community Outreach Workshop

Format: Workshop Date: Monday, September 11, 2017

Time: 10:00 - 16:15

Location: Surrey Nature Center (14225 Green Timbers Way, Surrey) Chairs: John Dale & Claire Gallagher, US

Join us for a fascinating day in Surrey, BC.

The session begins at the Nature Center in Surrey, readily accessible by public transit from downtown Vancouver. Matthew Woodruff, architect with Local Practice Architecture + Design, who recently oversaw the redesign of the Surrey Nature Center, together with Erin Desautels, Community Services Coordinator with the City of Surrey will act as hosts and guides as we tour the nature center in the morning, a well as the Surrey Civic Center and Simon Fraser University's Surrey Campus later in the afternoon. The day features a 90-minute panel discussion on Outdoor Classrooms. In addition to Mathew Woodruff, participants include Victor Elderton, Nature-based Learning Mentor & Education Consultant who was the former Principal at the Cheakamus Nature Center in Squamish; Eric Nelson, one of the foremost experts on the Outdoor Classroom based in Southern California; and Linda Keane, Architect, Artist and Educator at the Art Institute in Chicago who does extensive work with outdoor learning environments for primary grades. Claire Gallagher and John Dale, Co-Chairs of the Architecture and Green Design Strand for WEEC, will act as moderators for the session.

The program will start at the Nature Center at 10 am and will end at 4.15 pm. Lunch will be provided at the Nature Center.

ARC-H: Green Building Materials

Format: Paper Session

Date: Tuesday, September 12, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 113

Chairs: John Dale & Claire Gallagher, US

ID: 247 - Sustainable Construction And Environmental Education - **Micheli Machado**, BR & **Estevão Vernalha**, BR



Congress Program

Program Schedule | Arts-Based Approaches in EE

AEE-B: Image and Media-based Environmental Learning

Format: Paper Session
Date: Saturday, September 9, 2017
Time: 13:00 - 14:30
Room: West Meeting Room 115

- ID: 158** - Speaking 4 the Planet - **Phil Smith**, AU
ID: 323 - Animated movies as a tool for environmental educators - **Daniel Herrera Bojorquez**, MX
ID: 256 - Weaving new connections between the Arts and Sustainability: Researching children's responses to Chris Jordan's images - **Lyndal OGorman**, AU
ID: 222 - Bioregional Map Making - **Nathalie Olson**, CA
-

AEE-C: Body Movement, Performance and Mindfulness

Format: Novel Format
Date: Sunday, September 10, 2017
Time: 08:30 - 10:00
Room: West Meeting Room 115
Chair: Susan Gerofsky, CA

- ID: 452** - EnACTment of future selves using nature and arts engagement - **Kumara Ward**, AU
ID: 449 - Performance and ecological understanding - **David Wright**, AU
-

AEE-E: Arts-based Urban Education

Format: Novel Format
Date: Sunday, September 10, 2017
Time: 17:00 - 18:30
Room: West Meeting Room 115
Chair: Susan Gerofsky, CA

- ID: 614** - Broadening the Appeal: integrating arts and environmental education in the Toronto Region - **Rachel Stewart**, CA
-

AEE-F: Performing Arts and Sculptural / Tactile Approaches

Format: Roundtables
Date: Tuesday, September 12, 2017
Time: 08:30 - 10:00
Room: West Meeting Room 115
Chair: Susan Gerofsky, CA

- ID: 588** - Sustainable dramas for head and body - **Marianne Odegaard**, NO
ID: 436 - Enhancing and reinforcing the interplay of nature and music with elementary school students - **Matthew Yanko**, CA
ID: 854 - Artists as Culture-Makers: Educating for a Culture of Waste Reduction through Marine Debris Art - **Jennifer MacLatchy**, CA

AEE-H: Arts-Based EE Interactive Poster Session I

Format: Interactive Posters
Date: Tuesday, September 12, 2017
Time: 13:00 - 14:30
Room: West Meeting Room 115

- ID: 447** - The Power of the Cow - Art + Agriculture = Food/ Biosecurity, and Climate Change education in Australian schools - **Lorraine Larri**, AU
ID: 383 - The use of the arts to raise awareness among elementary school students about endangered species like the gizani of Rhodes. - **Vasileios Papavasileiou**, GR
ID: 379 - Jugar a la sustentabilidad ambiental - **Mauricio Guerrero**, MX
-

AEE-K: Arts-Based EE Interactive Poster Session II

Format: Interactive Posters
Date: Wednesday, September 13, 2017
Time: 13:00 - 14:30
Room: West Meeting Room 115

- ID: 37** - Stream of Dreams 'Fish on Fences' - **Louise Towell**, CA
ID: 719 - Promoting Arts Based Environmental Education for Primary School Pupils in Guyana - **Paulette Bynoe**, GY
ID: 877 - Nature and Art in Environmental Education - **Ana Olga Medina**, PR

Congress Program

Program Schedule | Early Childhood Education (ECE)

ECE-A: Teachers and Pre-service Teachers and ECE

Format: Roundtables
Date: Saturday, September 9, 2017
Time: 11:00 - 12:00
Room: West Meeting Room 119
Chair: Enid Elliot, CA

ID: 65 - Environmental education and knowledge about the water cycle among Pre-service Teachers - **Abidelfatah Nasser**, IL

ID: 518 - The Teachers Praxis as A Way to Understand Environmental Education - **Marilia Campos**, BR

ID: 568 - Environmental Educators as Sustainable Behavior Change Gatekeepers - **Anna Kettunen**, FI

ECE-B: Being Outdoors in Early Childhood

Format: Interactive Posters
Date: Saturday, September 9, 2017
Time: 13:00 - 14:30
Room: West Meeting Room 119
Chair: Enid Elliot, CA

ID: 626 - Being outdoors in Norwegian Kindergartens - **Tuula Skarstein**, NO

ID: 147 - Forest school programs: A review of the literature on this growing movement - **Elizabeth Boileau**, CA

ID: 691 - Teenagers and toddlers at forest school - **Irit Lador**, IL

ID: 941 - Imitations Role as a Pedagogy for Environmental Awareness and Outdoor Skill Development: From Indigenous Practices to Canadian Forest Schools - **Zabe MacEachren**, CA

ID: 279 - Understanding the children's ecosystem interrelationship through 'the Living things in the park' Project - **Okjong Ji**, KR

ECE-C: Arts Based EE and ECE

Format: Interactive Posters
Date: Sunday, September 10, 2017
Time: 08:30 - 10:00
Room: West Meeting Room 119
Chair: Enid Elliot, CA

ID: 339 - Music and play as methods for ESD in early childhood education - **Maire Turunen**, FI

ID: 364 - The Storied landscape of Early Childhood. Weaving the land into our lives - **Victoria Finucane-Bell**, CA

ID: 1006 - Potters Children: Environmental Education of Children Through Sequences of Teaching and Learning - **Cesar Nava**, CO

ID: 841 - Drawings as a methodological tool to evaluate knowledge and attitudes towards animals in kindergarten's children - **Antonio Fernandez Crispin**, MX

ECE-D: Urban ECE

Format: Roundtables
Date: Sunday, September 10, 2017
Time: 13:00 - 14:30
Room: West Meeting Room 119

ID: 216 - ESD-Coalition of Kindergarten and community for Energy transition - **Ute Stoltenberg**, DE

ID: 921 - Empower the public to take action for conservation in cities: a case study of Shanghai Wishing Star Lake Park nature guide book - **Lin Chen**, CN

ID: 368 - Energias renovables, una tematica de conexion entre asignaturas - **Nelson Arias Avila**, CO

ECE-F: Citizenship, Identity & Conceptions of Nature

Format: Roundtables
Date: Tuesday, September 12, 2017
Time: 08:30 - 10:00
Room: West Meeting Room 119

ID: 52 - The Power of Childhood Attunements in Nature to Shape Adult Socio-Cultural Behaviors This workshop is designed to share my recent integral research on Cultural Ways of Forming Ecological Identities and Factors Affecting Their Ontologies. Workshop partic - **Betsy Jardine**, CA

ID: 131 - The Theory and Practices of Mediated Learning Experience - **Bhavishya Sunar**, NP

ID: 157 - Children as Agents of Change for Environmental Sustainability: An Early Childhood Case Study - **Ann Montague**, CA

ECE-G: Community Workshop - Lynn Canyon Ecology Centre

Format: Workshop
Date: Monday, September 11, 2017
Time: 10:00 - 16:00
Room: Lynn Canyon Ecology Centre (3663 Park Rd, North Vancouver, BC V7J 3G3)
Chair: Enid Elliot, CA

ID: 271 - Complexifying child nature/culture encounters to counter the Anthropocene - **Debra Harwood**, CA

ID: 756 - From the Bubble to the Forest: Nature School Environmental Education - **Barry Wood**, US

ID: 371 - Pedagogies for Sustainability in Bush Kinder - **Fran Hughes**, AU

ECE-H: EE/ESD in Early Childhood

Format: Interactive Posters
Date: Tuesday, September 12, 2017
Time: 13:00 - 14:30
Room: West Meeting Room 119

ID: 81 - Education au developpement durable au Benin et en Belgique - **Séverin Tchibozo**, BJ

ID: 165 - International perspectives on early childhood education for sustainability in the Asia-Pacific: Weaving new connections for change - **Lyndal OGorman**, AU

ID: 930 - Practice and Exploration of Environmental Education 1 + N in Sichuan, China - **Xiaohua Zhu**, CN

ID: 390 - Exploring Early Childhood Learning Environments in terms of ESD and Media Literacy: A Needs Assessment Study of the Turkish Context - **SULE ALICI**, TR

Congress Program

Program Schedule | **Early Childhood Education (ECE)**

ECE-J: National Issues and Early Childhood Education

Format: Roundtables

Date: Wednesday, September 13, 2017

Time: 10:30 - 12:00

Room: West Meeting Room 119

Chair: Enid Elliot, CA

ID: 97 - Benefits of educating flood environmental risk to primary school students: experience from Sudan - **Eltigani Abdelgalil**, SD

ID: 475 - School And Non-School Children And Environmental Protection - **Ndashimye Daryl**, BI

ID: 329 - The application of environment education in Iraq, goals and real situation - **Alaa Abdullah**, IQ

ECE-K: Child-Nature Encounters

Format: Roundtables

Date: Wednesday, September 13, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 119

ID: 378 - Reconsideration of Spirituality in Japanese Culture: From a Practice of a Nursery School Based on Waldorf- and Forest Pedagogy. - **Momoko Kono**, JP

ID: 530 - Raising children in this time of eco-socio-political distress - **Nicholas Stanger**, US

ID: 653 - The Role of Screen Based Technologies in Altering our relationship with Our Global Environment and Each Other - **Mari Swingle**, CA

ID: 783 - How do environmental educators engage young children with animals in order to forge deeper interspecies bonds? - **Patty Born**, US



Congress Program

Program Schedule | Environmental Communication (and Uncertainty)

COM-B: Youth and Schools

Format: Interactive Posters
Date: Saturday, September 9, 2017
Time: 13:00 - 14:30
Room: West Meeting Room 111
Chair: Richard Kool, CA

ID: 7 - Metaphors for teaching concepts in ecological restoration: Three examples - **Valentin Schaefer**, CA

ID: 326 - Local Government Institutes of Environmental Research in Japan can be New Educational Resources for Scientific Literacy in the Region? - **Yoshinori Saitoh**, JP

COM-C: Literacy and Language

Format: Roundtables
Date: Sunday, September 10, 2017
Time: 08:30 - 10:00
Room: West Meeting Room 111
Chair: Richard Kool, CA

ID: 343 - The Role Of Aggressive Advertising and Subliminal Suggestion in Public Awareness Through Environmental Education - **Timothy Phiri**, ZM

ID: 431 - Communicating about Unique Aspects of RCE Greater Burlington via Sustainability Stories - **Thomas Hudspeth**, US

ID: 528 - Judging the credibility of environmental communications in a new information landscape - **John Cripps Clark**, AU

COM-D: Citizens and Communities

Format: Roundtables
Date: Sunday, September 10, 2017
Time: 13:00 - 14:30
Room: West Meeting Room 111
Chair: Richard Kool, CA

ID: 570 - Trophees Lalla Hasnaa littoral durable - **Sami EL IKLIL**, MA

COM-E: Biodiversity

Format: Roundtables
Date: Sunday, September 10, 2017
Time: 17:00 - 18:30
Room: West Meeting Room 111
Chair: Richard Kool, CA

ID: 299 - How many butterflies will lose their habitats? - Communicating biodiversity research using virtual and real European butterflies - **Karin Ulbrich**, DE

ID: 32 - Attitudes and knowledge about the marine ecosystem: An exploratory study in northern Peru - **Daniella Biffi**, US

COM-F: Risk and Uncertainty

Format: Roundtables
Date: Tuesday, September 12, 2017
Time: 08:30 - 10:00
Room: West Meeting Room 111
Chair: Richard Kool, CA

ID: 488 - The study of environmental risk communication strategy: an example of environmental communication of climate-change - **Yuh Yuh Li**, TW

ID: 354 - Citizen science in drought research: does getting hands-on with ecology alter volunteer perception of risks and resilience? - **Patty Ramirez**, GB

ID: 618 - Teaching anticipation for sustainability: Sitting with uncertainty. - **Senan Gardiner**, DE

ID: 565 - Pedagogical strategies for teaching how to manage contradictory and uncertain environmental knowledge - **Rebekah Tauritz**, GB

ID: 470 - An International Study on Education and Resilience with Special Focus on Disaster-Affected Areas in Asia and the Pacific - **Yoshiyuki Nagata**, JP

COM-G: Environmental Media

Format: Paper Session
Date: Monday, September 11, 2017
Time: 10:00 - 16:00
Room: Mountain Equipment Co-op Head Office (1077 Great Northern Way, Vancouver, BC V5T 1E1)
Chair: Richard Kool, CA

ID: 673 - Transferring a boardgame into an environmental education activity - A case study on the 'Upstream-Downstream' - **Yu-Jie Chang**, TW

ID: 47 - How an Interactive Popular Science Video for New Media Increases Audience's Understanding of Environmental Issues: Contrasting Persons with an Environmental Science Background vs. Those with a Non-scientific Background - **MeiYing Tsai**, TW

ID: 349 - Le E-learning : une autre facon d'apprendre - **Ihssane El Marouani**, MA

ID: 144 - Integrating Information and Communication Systems in Urban Environmental Education for Global Transformation Initiatives - **Kalpna Chaudhari**, IN

ID: 617 - Environmental Exhibition as A Method of Community's Capacity Building in Environmental Issue - **Susy Suwandi**, ID

COM-H: Climate Change I

Format: Roundtables
Date: Tuesday, September 12, 2017
Time: 13:00 - 14:30
Room: West Meeting Room 111

ID: 30 - Climate Change Mitigation Practices to Promote Safe Water and Sanitation in Nangabo Sub County - **Norman Juuko**, UG

ID: 596 - Climate Change Keywords Mining in the News and Secondary Science Textbooks in Taiwan - **Chih-Ling Peng**, TW

ID: 808 - Fueling change? Exploring guilt in climate change communications - **Caitlin Hill**, CA

Congress Program

Program Schedule | Environmental Communication (and Uncertainty)

COM-J: Climate Change II

Format: Roundtables

Date: Wednesday, September 13, 2017

Time: 10:30 - 12:00

Room: West Meeting Room 111

Chair: Richard Kool, CA

ID: 433 - Environmental Communication: reflections in the field of Climate Justice for the inclusion of people with visual impairment - **Gomes**, BR

ID: 405 - Las representaciones sociales del cambio climático en un grupo de estudiantes de la Universidad de Santiago de Compostela: cultura común vs. cultura científica - **Kylyan Bisquert i Pérez**, ES

COM-K: Higher Education

Format: Roundtables

Date: Wednesday, September 13, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 111

Chair: Richard Kool, CA

ID: 56 - Modelling sustainability through energy-saving on campus: Student perspectives from 8 universities in 3 countries - **Debby Cotton**, GB

ID: 193 - How does academic environmental education change the way students evaluate the severity of environmental problems? - **Nurit Carmi**, IL

ID: 330 - Cinco formas de comunicar la educación ambiental en contextos inciertos en México (1992- 2017) - **Rafael Ramirez Beltran**, MX



Congress Program

Program Schedule | Ethics Lead Learning in EE

ELL-B: Ethics and Learning/ Schooling

Format: Roundtables

Date: Saturday, September 9, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 113

Chair: Leesa Fawcett, CA

ID: 170 - School Culture, Sustainability and the New Finnish Core Curriculum for Basic Education - **Niina Mykrä**, FI

ID: 1023 - Deep Ecology in Life and Work - A Teacher Educator's Autoethnographic Inquiry as a Way to Respond to "TRC Calls to Action" - **Xia Ji**, CA

ID: 879 - The Role and Contribution of Humanistic Ethics in Environmental Education Learning - **Jorge Rodriguez Aboytes**, MX

ID: 892 - Learner-centered pedagogies for sustainability - **Mark Caddey**, AU

ELL-D: Perspectives on Values Education

Format: Roundtables

Date: Sunday, September 10, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 113

Chair: Leesa Fawcett, CA

ID: 292 - Children's Thinking Patterns in Environmental Ethics Development - **Jitikan Jinarak** and **Tassanee Ounvichit**, TH

ID: 589 - Value education is embedded in the process of playing a simulation game twice - **Jen-shiuan (Susan) Shiau**, TW

ID: 576 - The Sulitest : raising awareness and assessing sustainability literacy worldwide - **Aurelien DECAMPS**, FR

ID: 575 - Holistic, experiential and balanced: The fundamental principles on an ethically-based environmental education - **Calin Gurau**, FR

ELL-H: Case Studies in Ethics I

Format: Interactive Posters

Date: Tuesday, September 12, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 113

Chair: Leesa Fawcett, CA

ID: 506 - Pro-poor Environmental Education and Sustainable Livelihoods: A Case Study at a Small Recreational Fish Farm in Taiwan - **Hui-Nien Lin**, TW

ID: 411 - Educar para una cultura de la sostenibilidad en los centros educativos de Galicia - España - **German Vargas Callejas**, ES

ID: 737 - Environmental ethics and the impacts of mining: the case of Mariana, MG, Brazil - **Rosely Imbernon**, BR

ID: 566 - Can we transform Economics into an environmentally-sustainable science? - **Calin Gurau**, FR

ID: 744 - A study on developing a pilot biodiversity educational tool to communicate the discord between wildlife and humans - **SHIHO MIYAKE**, JP

ID: 265 - Food Consumption Behaviour: A Case Study at University of Gavle, Sweden - **Bo Lennart Andersson**, SE

ELL-J: Case Studies in Ethics II

Format: Interactive Posters

Date: Wednesday, September 13, 2017

Time: 10:30 - 12:00

Room: West Meeting Room 113

Chair: Leesa Fawcett, CA

ID: 215 - Environmental Education, Ethics and Action: Re-imagining critical skills for sustainable lifestyles and global citizenship - **Bob Jickling**, CA

ID: 149 - The unspoken place of environmental violence in environmental education - **Richard Kool**, CA

ID: 644 - Caminos educativos para uno convivio mejor entre humanos y jaguares - **Lakshmi Hofstatter**, BR

ID: 635 - Memoria y autoconocimiento en las experiencias ambientales urbanas como una propuesta educativa - **Lakshmi Hofstatter**, BR

ID: 834 - El concepto de sustentabilidad. - **Jose Silverio Morales**, MX

ID: 860 - An Ethic of Belonging for Outdoor Education within a Sustainability Paradigm - **Philip Mullins**, CA

ID: 969 - Care Construction Through Prudence and Benevolence as A Practice for A Harmonic Sustainable Development - **Morales Gabriela**, MX

ID: 1022 - Nature as Researcher and a Different Approach to Research Review: Living Systems Leading Ethics for Educational Research and Sustainability - **Marna Hauk**, US

Congress Program

Program Schedule | Global and Cultural Diversity

GCD-D: Panel on Mass Forms of Environmental Education

Format: Paper Session

Date: Sunday, September 10, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 121

ID: 231 - Teaching about sustainability in Chinese Higher Education: Obedient autonomy and second-best solutions - **Debby Cotton**, GB

ID: 425 - The Global Environmental Education Partnership: Building a diverse network to improve environmental education practice - **Judy Braus** & **Ginger Potter**, US

ID: 778 - Education for Sustainable Development in Brazil - **Rosely Imbernon**, BR

ID: 652 - Educational partnership for regional sustainability - **Irit Lador**, IL

GCD-F: Global and Cultural Diversity Roundtable I

Format: Roundtables

Date: Tuesday, September 12, 2017

Time: 08:30 - 10:00

Room: West Meeting Room 121

ID: 75 - The role of culture in Indonesian EE - **Kelsie Prabawa-Sear**, AU

ID: 91 - Think Globally and Act Locally: Rethinking Relevance in the Pursuit of Sustainability of Our Global Environment - **Samuel Chisa Dike**, NG

ID: 249 - Environmental Education in Culture Diversity in Indonesia - **Ida Darmapatni**, ID

ID: 345 - Decarbonize 2017: A Global Mobilization of Youth around Climate Change - **Terry Godwaldt**, CA

ID: 533 - Taiwan Australian Environmental Education Partnership - **David Kopelke**, AU

ID: 632 - Del campo a la ciudad: construir una nueva globalidad a partir de nuestra diversidad cultural. Experiencia en la formacion de educadores ambientales. - **Nancy Benitez Esquivel**, MX

GCD-H: Global and Cultural Diversity Roundtable II

Format: Roundtables

Date: Tuesday, September 12, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 121

ID: 667 - Different social (group) with different learning: Comparing characteristics and strategies of social learning between urban and rural NGO in eastern Taiwan - **Mengyuan Jen**, TW

ID: 358 - Environmental Identity: considering comparative social contexts - **Sarah Stapleton**, US

ID: 513 - Diversifying Environmental Education Practice and Research: Exploring Alternatives Within the Cultural and Social Contexts of Asia - **Sachi Ninomiya-Lim**, JP

GCD-K: Global and Cultural Diversity Interactive Poster Session

Format: Interactive Posters

Date: Wednesday, September 13, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 121

ID: 153 - Go! Global - **Giovanni Fonseca Fonseca**, MX

ID: 186 - Formacion inicial de profesores en ciencias: Relaciones entre conocimiento y discurso en Educacion Ambiental. - **Maria Mejia-Caceres**, BR

ID: 754 - The effect of cultural differences on students' initiatives and contributions: A study of multicultural teams - **Calin Gurau**, FR

ID: 760 - Environmental Perception and Ecological Concepts by High School Students: Study-Case in Sarzedo City, Southeastern Brazil - **Rosangela Borem**, BR

ID: 786 - The influence of leadership workplace as a practical educational environment on improving culture diversity awareness for students - **Mohammed Alkhawani**, MY

ID: 874 - What makes your society (un)sustainable? Localized Understandings on Sustainability - **TAEYUN KIM**, KR

Congress Program

Program Schedule | Indigenous Environmental Education

IEE-B: Engaging Diverse Communities in Indigenous EE

Format: Roundtables

Date: Saturday, September 9, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 120

ID: 141 - The case for environmental refugee inclusion in environmental education - **Nicholas Stanger**, US

ID: 335 - Challenges and opportunities of an indigenous- non-indigenous environmental partnership - **Chris North**, NZ

ID: 181 - Engaging Indigenous Environmental Issues: A Curriculum Review - **Gregory Lowan-Trudeau** & **Teresa Fowler**, CA

ID: 920 - Perceptions about the relationship between recovery of riparian forests and production of water by traditional communities' residents involved in a Payment for Environmental Services project - **Rosiléia Almeida**, BR

ID: 1048 - Connecting Science and traditional environmental knowledge (TEK) of the First Peoples of Trinidad and Tobago: the development of a TEK- environmental science unit. - **Rowena Kalloo**, TT

ID: 1053 - A Pilot Program on Avifauna that brings force to a peculiar perception of birds in French Guiana: An innovative initiative related to culture and environment nexus for some 11-15 years old students. - **Judith Priam**, PR

IEE-F: Indigenous Perspectives from Africa I

Format: Roundtables

Date: Tuesday, September 12, 2017

Time: 08:30 - 10:00

Room: West Meeting Room 120

ID: 869 - Assessing the Role of Cultural Activities in Biodiversity Conservation Among the Tugen - Lembus Community in Baringo, Kenya - **REBECCA SIRUCHA**, KE

ID: 957 - The sacred sites of Dan people in Cote d'Ivoire: factors of environment conservation - **Dien Olivier**, CI

IEE-H: Diversity of Voices in Indigenous EE I

Format: Interactive Posters

Date: Tuesday, September 12, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 120

ID: 102 - The Role of Indigenous Knowledge in Sustainable Living in the North Rupununi in Guyana - **Paulette Bynoe**, GY

ID: 226 - Interconnected understandings: Exploring Indigenous children's social construction of nature in Latin America. - **Monica Yadeun de Antunano**, MX

ID: 237 - Weaving Traditional Ecological Knowledge into Indigenous Youth Education: A Case Study in Eastern Rural Taiwan - **Kuang-Chung Lee**, TW

ID: 192 - Aboriginal Community Engagement in Primary School Environmental Education: Promoting Learning about Sustainability through a Cross-Cultural Lens - **Judith Wilks**, AU

IEE-J: Diversity of Voices in Indigenous EE II

Format: Interactive Posters

Date: Wednesday, September 13, 2017

Time: 10:30 - 12:00

Room: West Meeting Room 120

ID: 580 - Re-discovery of Kiganda Indigenous Plants - **Kevina Kezabu**, AU

ID: 412 - Environmental Culture: Beginning and End of Environmental Education in Mexican Agroecological Learning Communities - **MARIA VIRGINIA GONZALEZ-SANTIAGO**, MX

ID: 777 - The impact of EE in sustainable development projects in indigenous communities in Mexico - **Montserrat Gonzalez**, MX

IEE-K: Theoretical Issues in Indigenous EE

Format: Interactive Posters

Date: Wednesday, September 13, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 120

ID: 291 - Confronting Multiple Realities: What Ethnic Children Perceive in Learning Their Own Cultures? - **Tassanee Ounvichit**, TH

ID: 357 - Indigeneity, Aboriginality and Autochthony - **Chris Beeman**, CA

ID: 374 - Garden As Co-Teacher: Incorporating Indigenous systems of knowledge and knowing - **Shirley Turner**, CA

ID: 625 - Actions for Environmental Education on Indigenous Lands - **Monica Mesquita**, PT

ID: 826 - Relations of societies with their territories - **Kamal Boushaba**, MA

Congress Program

Program Schedule | Nature as Teacher / Researcher

NTR-B: Teacher Training Research

Format: Novel Format
Date: Saturday, September 9, 2017
Time: 13:00 - 14:30
Room: West Meeting Room 114
Chair: Maureen Jack-LaCroix, CA

ID: 375 - Talking to Trees: Epistemic Navigation in Ecological Systems Education - **Megan McGinty**, US

NTR-C: The Body and the Brain

Format: Novel Format
Date: Sunday, September 10, 2017
Time: 08:30 - 10:00
Room: West Meeting Room 114
Chair: Yi Chien Jade Ho, CA

ID: 356 - Wilderness Immersion Tuning, Part 2 - **Chris Beeman**, CA

ID: 944 - Embodied Ethics and the Urban Environmental Imaginary - **Oonagh Butterfield**, CA

NTR-D: Outdoor Classrooms - Research and Results

Format: Novel Format
Date: Sunday, September 10, 2017
Time: 13:00 - 14:30
Room: West Meeting Room 114
Chair: Anya Chase, CA

ID: 373 - The Amazon as Teacher - **Lee Beavington**, CA

ID: 1004 - How peer interactions change through nature experiences: A case of an inclusive class in Korean primary school - **Chankook KIM**, KR

ID: 504 - The Ecological Self(ie): Rethinking Relationships within Environmental Education - **Polly Knowlton Cockett**, CA

NTR-E: Blurring the Lines - EE Research and Communities of Practice

Format: Novel Format
Date: Sunday, September 10, 2017
Time: 17:00 - 18:30
Room: West Meeting Room 114
Chair: Lee Beavington, CA

ID: 155 - Wild Pedagogies: A Scholastic Experiment in Re-Wilding Research - **Michael Sitka-Sage**, CA

ID: 686 - Blurring the Nature/Culture Divide Through 'Deep Connectivity' - **Lee Beavington**, CA

ID: 925 - Dynamic Emergence of Kinship in a Global Sanctuary Community of Practice - **Joy O'Neil**, US

NTR-G1: Community Engagement Roundtables

Format: Roundtables
Date: Monday, September 11, 2017
Time: 10:00 - 11:00 Room: Stanley Park Ecology Society (610 Pipeline Rd, 2nd floor)

ID: 352 - A Scientific Tool for Multi-Level Environmental Education in the Peruvian Amazon - **Carmen Chavez**, US

ID: 861 - Environmental learning on the fly - **Philip Mullins**, CA

ID: 864 - The influence Out of Water Diving exhibition has on students' conception about marine environment. - **Naomi Towata**, BR

NTR-G2: Technology and EE: Across the Spectrum

Format: Paper Session
Date: Monday, September 11, 2017
Time: 11:00 - 12:00
Room: Stanley Park Ecology Society (610 Pipeline Rd, 2nd floor)

ID: 792 - Discovering Nature in the Technological aGE - **Dylan Leech**, CA

ID: 870 - Feeling for Compassion: Visceral Sensing Nature-Culture Justice - **Joy O'Neil**, US

NTR-H: Teaching as If Place Has Something to Say

Format: Novel Format
Date: Tuesday, September 12, 2017
Time: 13:00 - 14:30
Room: West Meeting Room 114
Chair: Chris Beeman, CA

ID: 355 - Approaching Autochthonous being through the art of Andy Goldsworthy - **Chris Beeman**, CA

ID: 485 - Natural World as Co-Teacher - **Laura Piersol**, **Michael Sitka-Sage** and **Sean Blenkinsop**, CA

ID: 810 - If whales are cultural beings and trees can talk, how can we teach our students to listen to what they say? - **Elin Kelsey**, CA

NTR-J: Educating in Non-Traditional Places

Format: Novel Format
Date: Wednesday, September 13, 2017
Time: 10:30 - 12:00
Room: West Meeting Room 114
Chair: Carolyn Mamchur, CA

ID: 324 - Cultivating Slow Knowledge at the Garden: Children's Voices about Learning to be With the More-than-Human World - **Tathali Urueta-Ortiz**, CA

ID: 781 - Animal Assisted Learning Comes to Simon Fraser University - **Carolyn Mamchur**, CA

Congress Program

Program Schedule | **Nature as Teacher / Researcher**

NTR-K: Engaging Nature in Research Methods

Format: Novel Format

Date: Wednesday, September 13, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 114

Chair: Sean Blenkinsop, CA

ID: 991 - Re-framing Adventure Education in the Anthropocene:
A topographic ethnography of the embodiment of place and
adventure in the Himalaya - **Mary Jackson**, US

ID: 1029 - Gaian Methodologies: Meta Methodology of Nature as
Researcher and Nature as Teacher - **Marna Hauk**, US

ID: 1034 - Onward and Inward: Cycling Solo Across a Continent
to Connect with Nature and Self - **Haley Guest**, CA



Congress Program

Program Schedule | Perspectives, Challenges and Innovations in Research

PCI-A: Research Paper Session I

Format: Paper Session

Date: Saturday, September 9, 2017

Time: 11:00 - 12:00

Room: West Meeting Room 110

Chairs: Alan Reid, AU & Nicole Ardoin, US

ID: 121 - A system-change model for embedding sustainability education within teacher education in Australia: Principles, implementation and benefits - **Jo-Anne Ferreira**, AU

ID: 550 - We Need to Change the Way We Think and Act - **Maria Hofman-Bergholm**, FI

ID: 590 - The leadership challenge of a 'competency-based approach to' Sustainability Education in HE - **Paul Warwick**, GB

ID: 311 - Systematic review of environmental education in Latin America and the Caribbean - **Lilly Briggs**, US

PCI-B: Research Poster Session I

Format: Interactive Posters

Date: Saturday, September 9, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 110

Chairs: Alan Reid, AU & Nicole Ardoin, US

ID: 1047 - The University role for the Environmental Education. Politecnico di Torino, experience, results and opportunities. - **Elena Comino**, IT

ID: 866 - Incorporation of Sustainability in the Social Representation of the Development in Students of A Mexican Public University - **Antonio Fernandez Crispin**, MX

ID: 205 - Higher Education Institutions key players for sustainable development: an example postgraduate course Energy Efficiency Services a catalyst for energy transition in public, industrial and private buildings" - **Dirk Franco**, BE

ID: 563 - Theory and practice in a new environmental education to study on the connectivity of Hills, Humans and Oceans: A case study of Kyoto University, Japan - **Miki Miyaguchi**, JP

ID: 878 - Design education for sustainable product innovation. - **Chiara Silvestri**, IT

ID: 519 - Condiciones de efectuacion de la Educacion Ambiental en egresados de dos posgrados de la Ciudad de Mexico - **Oswaldo Escobar Uribe**, MX

PCI-C: Research Poster Session II

Format: Interactive Posters

Date: Sunday, September 10, 2017

Time: 08:30 - 10:00

Room: West Meeting Room 110

Chairs: Alan Reid, AU & Nicole Ardoin, US

ID: 212 - #OrganicLearning - **Giovanni Fonseca Fonseca**, MX

ID: 415 - Ocean Literacy Observatory. When the Academy is All of Us - **Monica Mesquita**, PT

ID: 508 - An integrated discipline approach to Peace through Agriculture - **Rodney Rylander**, BZ

ID: 707 - Creating assessments and authentic learning experiences in informal environmental education programs with achievement systems: Using the creation of criteria for digital badges for program design - **Theresa Horstman**, US

PCI-D: Research Round Table I

Format: Roundtables

Date: Sunday, September 10, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 110

Chairs: Alan Reid, AU & Nicole Ardoin, US

ID: 462 - Developing our young leaders for sustainability: a developmental framework for adolescent leaders for sustainability - **Patricia Armstrong**, AU

ID: 587 - Envisioning Futures for Environmental and Sustainability Education - **Peter Corcoran**, US

ID: 607 - Transforming values, ideals and paradoxes to education for sustainability - **Marianne Heggen**, NO

ID: 899 - Analysis of Ibero-American Research in Environmental Education from A Database Categorization Perspective - **Edna Gamboa Porras**, CO

ID: 993 - Process and Emergence: New Materialist Research Methodologies for Sustainability Education - Mary Jackson, US

ID: 264 - Towards the Robust Assessment of Learning Outcomes in ESD - **Aaron Redman**, DE

ID: 377 - Fixing the atmosphere: A collaborative experiential learning pilot project involving bio-fuel researchers and elementary school students - **Bonnie Shapiro**, CA

PCI-E: Research Round Table II

Format: Roundtables

Date: Sunday, September 10, 2017

Time: 17:00 - 18:30

Room: West Meeting Room 110

Chairs: Alan Reid, AU & Nicole Ardoin, US

ID: 277 - Maryse Clary : L'alliance pour une education a la citoyennete planetaire : mettre les jeunes au coeur du systeme educatif - **Sylvie Kergreis**, FR

ID: 708 - Separating the inseparable - A seven-scalar laminated system perspective to environmental and sustainability education - **Adesuwa Agbedahin**, ZA

ID: 322 - Evaluation of the preparedness of preservice teachers to teach environmental and sustainability education (ESE): Challenges and Implications for ESE research - **Oluwaseun Bandele**, NZ

ID: 189 - Una revision de articulos de Educacion Ambiental en el periodo 2005-2015: Identificando conocimientos y escenarios - **Maria Mejia-Caceres**, BR

ID: 994 - The Uptake of Sustainability in Education: An Analysis of the Relationships between Policy and Practice - **Marcia McKenzie**, CA

ID: 471 - Sustainability Governance at Universities: Insights from a Qualitative Research Project in Germany - **Marco Rieckmann**, DE

ID: 16 - Deepening Approaches to Teaching, Learning and Curriculum in Environmental and Sustainability Education - **Alan Reid**, AU

ID: 84 - Education relative a l'environnement et alphabetisation a l'age adulte. Proposition d'un modele theorique. - **Carine Villemagne**, CA

Congress Program

Program Schedule | Perspectives, Challenges and Innovations in Research

PCI-F1: Research Paper Session II

Format: Paper Session

Date: Tuesday, September 12, 2017

Time: 08:30 - 10:00

Room: West Meeting Room 109

Chairs: Alan Reid, AU & Nicole Ardoin, US

ID: 646 - eeWORKS: demonstrating the impact of environmental education through empirical research - **Judy Braus** & **Nicole Ardoin**, US

PCI-F2: Research Round Table III

Format: Roundtables

Date: Tuesday, September 12, 2017

Time: 08:30 - 10:00

Room: West Meeting Room 110

Chairs: Alan Reid, AU & Nicole Ardoin, US

ID: 706 - Youth co-design in an informal environmental education program - **Theresa Horstman**, US

ID: 467 - Dark Pedagogy - **Stefan Bengtsson**, SE

ID: 251 - Teaching about Sustainability: Describing Early Career Teachers' Classroom Practices - **Eileen Merritt**, US

ID: 755 - State Of Art and Contribution of Geosciences for Environmental Education - **Denise Bacci**, BR

ID: 992 - Environmental Education: the Major Work of Ensuring Quality and Outcomes in Connecting Environment and Education - **Alan Reid**, AU

ID: 996 - Influences on the Development and Mobilization of Sustainability in Education Policy - **Marcia McKenzie**, CA

ID: 558 - Exploring student perspectives of learning for sustainability, and experiences of sustainability cultures on campus - **Rachel Drayson**, GB

PCI-C1: Research Symposium I

Format: Paper Session

Date: Saturday, September 9, 2017

Time: 11:00 - 12:00

Room: West Meeting Room 113

ID: 362 - Measurement, Evaluation, and Research of Education and the Sustainable Development Goals - **Marcia McKenzie**, CA

PCI-C2: Research Symposium II

Format: Paper Session

Date: Sunday, September 10, 2017

Time: 08:30 - 10:00

Room: West Meeting Room 121

ID: 997 - Climate change education: International commitments, national strategies, and the role of research - **Marcia McKenzie**, CA

PCI-G1: Community Outreach Workshop - WEEC2017 RESEARCH SYMPOSIUM

Format: Symposium

Date: Monday, September 11, 2017

Time: 10:00 - 16:00

Room: Morris J Wosk Centre for Dialogue (580 W Hastings St, Vancouver)

Chairs: Alan Reid, AU & Nicole Ardoin, US

<http://weec2017.eco-learning.org/wp-content/uploads/2017/03/Research-Symposium.pdf>

PCI-G2: Research Symposium III

Format: Paper Session

Date: Wednesday, September 13, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 116

Chairs: Alan Reid, AU & Nicole Ardoin, US

ID: 639 - Repères contemporains pour une éducation relative à l'écocitoyenneté - **Lucie Sauvé**, CA (Convenor)

PCI-H: Research Round Table IV

Format: Roundtables

Date: Tuesday, September 12, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 110

Chairs: Alan Reid, AU & Nicole Ardoin, US

ID: 463 - The emergence of adolescent leaders for sustainability - **Patricia Armstrong**, AU

ID: 557 - The Ethnomathematics Posture in Environmental Research Processes. Communitarian Sustainable Development in Act - **Monica Mesquita**, PT

ID: 663 - Citizen sciences as reflexive, contextual social movements - **Priya Vallabh**, ZA

ID: 802 - Research in Environmental Education from the Quality Perspective of Publications in Iberoamerica - **Héctor Beltran Cutierrez**, CO

ID: 661 - Environmental Education as a Catalyst for Curricular Integration - **Constantinos Yanniris**, GR

ID: 1041 - Challenges for Environmental Education to promote interdisciplinary research and scientific production at times of subordination - **Dulce Pereira**, BR

ID: 305 - Holistic and Transformative Learning towards a Sustainable Life: how can be the Spanish Public Universities inspired for the case of the Schumacher College - **Leslie Mahe Collazo Exposito**, ES

ID: 197 - Systems Thinking and Transformative Environmental/ Global Education: The Justification of Boundary Judgements - **J. Melanie Young**, CA

ID: 628 - Mise en oeuvre et analyse critique de projets transdisciplinaires en éducation relative à l'environnement et alphabétisation à l'âge adulte. - **Carine Villemagne**, CA

Congress Program

Program Schedule | Perspectives, Challenges and Innovations in Research

PCI-J: Research Round Table V

Format: Roundtables

Date: Wednesday, September 13, 2017

Time: 10:30 - 12:00

Room: West Meeting Room 110

Chairs: Alan Reid, AU & Nicole Ardoin, US

ID: 559 - The Sustainability of Human Intelligibility. Researching to "Unhierarchize" the Environmental Educational Processes - **Monica Mesquita**, PT

ID: 988 - A Comparative Case Study Approach to Researching Environmental and Sustainability Education - **Marcia McKenzie**, CA

ID: 372 - Efforts to establish 'Evaluation of Environmental Education Program' as an academic discipline in Japan - **Ryo Sakurai**, JP

ID: 245 - Multi-Stakeholder collaboration for sustainability education: The evaluation and assessment of Regional Centers of Expertise on Education for Sustainable Development. - **Junior Ramsoram**, CA

ID: 206 - Sustainable Education: An essential contribution in the quadruple helix interaction towards a sustainable paradigm shift. - **Dirk Franco**, BE

ID: 217 - Entre Natures et Cultures, Individus et Societes, construire collectivement la Citoyennete Planetaire - **Sylvie Kergreis**, FR

ID: 990 - Towards an ABC of what matters in research about climate change education - **Alan Reid**, CA

PCI-K: Research Symposium IV

Format: Paper Session

Date: Wednesday, September 13, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 110

Chairs: Alan Reid, AU & Nicole Ardoin, US

ID: 690 - Wild Pedagogies: Reflections on Writing a Manifesto at/with Sea - **Michael Sitka-Sage**, CA



Congress Program

Program Schedule | Place-based Education and Outdoor Learning

PBO-B: Engaging Middle / Secondary School Students in Place-Based Learning

Format: Interactive Posters

Date: Saturday, September 9, 2017

Time: 13:00 - 14:30 Room: West Meeting Room 118

Chair: Donna Boucher, CA

ID: 805 - Environmental Education as a Management Tool to Minimize Human-Macaque Conflicts in Shoushan National Nature Park, Taiwan - **Yun-Hsuan Chiu**, TW

ID: 863 - Environmental Perception of students from Ubatuba (Brazil) about marine and coastal ecosystems measuring by a research instrument based on Wiseman and Bogner's Model of Ecological Values - **Naomi Towata**, BR

ID: 213 - The Sense of Place of Internationally-Mobile Adolescents - **Sarah Urquhart**, JP

PBO-C: Teacher and University Students Involved in Place-Based Learning

Format: Interactive Posters

Date: Sunday, September 10, 2017

Time: 08:30 - 10:00

Room: West Meeting Room 118

ID: 108 - Finding your place in Place-based education: Strategies from the Place Learning and Civic Engagement Program - **Kate Welsh**, US

ID: 134 - Curriculum innovation for sustainability in higher education: the University of Bristol's Green Apple Scheme - **Aisling Tierney**, GB

ID: 276 - Community field trip learning and the development of undergraduate students' responsible action toward ocean stewardship - **Chi-I LIN**, TW

ID: 501 - Pre-service teachers' difficulties in planning and applying the Field Study strategy. - **Naomi Towata**, BR

ID: 507 - Indigenizing Experiential Learning through Transformative Third Space: A Case Study of the University of Winnipeg - **Natalie Bartmes**, CA

ID: 517 - University Education for Sustainability and Resilience Through the Linking of Local and Global Contexts - **Sachi Ninomiya-Lim**, JP

ID: 678 - An Evaluation of the Impacts of the Teton Science Schools Place-Based Education Professional Development Workshops for Teachers in Bhutan - **Leslie Cook**, US

ID: 981 - How Do We Train Our Graduates Ready for Transdisciplinary Projects? - A Case Study of Fieldwork-based Education in Sustainability Science Program - **Shogo Kudo**, JP

ID: 1003 - Contribution of field work to student learning: A Case Study of the Environmental Studies and Geography programmes, University of Guyana - **Denise Simmons**, GY

ID: 586 - Students as catalysts of change- the call for and challenges of service learning within a sustainable ocean city initiative - **Paul Warwick**, GB & **Alun Morgan**, GB

PBO-D: Connecting Elementary Students with Nature I

Format: Interactive Posters

Date: Sunday, September 10, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 118

Chair: Donna Boucher, CA

ID: 19 - The Development of Chinese Nature Schools (ziran xuexiao) - **Rob Eford**, US

ID: 122 - Connecting classroom with community: the effects of community forest trip on student's learning achievements and motivation - **Surin Onprom**, TH

ID: 200 - Measurement of Educational Effect by using Text Mining Technique - **AKIHIRO IJIMA**, JP

ID: 235 - Saving our children from the Nature Deficit Disorder through Place-based education - **Krystle Ontong K**, ZA

ID: 307 - Exploring the influences of outdoor learning on students' learning attention and pressure by using neuroscience technology - **Yi-Hsuan Hsu**, TW

ID: 327 - Cross-curricular connections: Envisioning embodied outdoor learning in primary school - **Son Truong**, AU

ID: 353 - Growing Green Hearts and Minds at NEST, a Nature-based Public School - **Laura Piersol**, **Linda Russell** and **Jenny Groves**, CA

ID: 428 - The ACEER Foundation's Conservation Learning Web in the Peruvian Amazon - **Paul Morgan**, US

PBO-E: Connecting Elementary Students with Nature II

Format: Interactive Posters

Date: Sunday, September 10, 2017

Time: 17:00 - 18:30

Room: West Meeting Room 118

Chair: Hartley Banack, CA

ID: 453 - Green Curtain Projects as Placed-Based Education for Sustainable Development - **Ikko Tucker**, AE

ID: 476 - Outdoor education in Slovenian school system support cultural and environmental education - **Darja Skribe Dimec**, SI

ID: 541 - Forest Jump: Schoolchildren leading design for school ground greening - **Susan Wake**, NZ

ID: 547 - Children, Adults and Classes in Turkey are becoming playmates with nature via My Nature Friend's Box game - **Burcu Arik Akyuz**, TR

ID: 567 - Project Emc2 - Exploring white crowberry coastal habitats - Corema album (L.) D. Don - an environmental outdoor education project as a lever for cultural initiatives - **M. Alexandra Lima**, PT

ID: 569 - OUT OF BOX - environmental outdoor education in Finland - **Anna Kettunen**, FI

ID: 853 - Place-based Education for Sustainability and Local Outdoor Learning Within the Schools Curriculum - **Allain Chimanikire**, ZW

ID: 1019 - Permaculture Ethics and Principles: Curriculum Design Framework for People and Planet - **Shelley Serebrin**, CA

Congress Program

Program Schedule | Place-based Education and Outdoor Learning

PBO-G: Using Technology to Engage Students and Teachers in Place-Based Learning

Format: Paper Session

Date: Monday, September 11, 2017

Time: 10:00 - 14:00

Room: Science World British Columbia (1455 Quebec Street, Vancouver, BC V6A 3Z7)

Chair: Hartley Banack, CA

From Rising Tide to Tsunami: Scaling Environmental Education and the New Nature Movement - Scott Sampson, PhD, CEO & President, Science World British Columbia

ID: 435 - Where STEM binds, and ST(eee)EM flows: A case for where in STEM discourse and practice - **Hartley Banack**, CA

ID: 487 - Using Digital Tools to Engage Teachers & Students in Climate Change Education - **Stephen Sheppard**, CA

ID: 767 - Using on-line virtual reality and community based learning as a vehicle for sustainability and climate education - **Frank Granshaw**, US

- Lunch is served / Science World Galleries open for delegates
- Science World exploration with focus on Ken Spencer Science Park (<https://www.scienceworld.ca/sciencepark>) and Search: Sara Stern Gallery (<https://www.scienceworld.ca/searchgallery>)

PBO-H: Community Involvement in Place-Based Learning

Format: Interactive Posters

Date: Tuesday, September 12, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 118

Chair: Hartley Banack, CA

ID: 304 - Children's access to gardens in Norway, India and the United Kingdom - **Barbara Maria Sageidet**, NO

ID: 398 - Exploring processes of informal learning concerning biodiversity among local users of natural resources in Sweden - **Diana Garavito-Bermudez**, SE

ID: 450 - Significados y conexiones de estudiantes de educación primaria con los lugares habitados - **Karina De Alba Villaseñor**, MX

ID: 511 - Exploring the Potential for Place-based Climate Change Engagement in New Zealand National Parks - **Karen Hytten**, NZ

ID: 524 - Social-Ecological Dynamics and Local Knowledge on Islands: A Case Study of Dongjiyu in Taiwan - **WEICHIEH LIN**, TW

ID: 573 - A model of immersive environmental education: The Lost Valley Education and Events Center in Dexter, Oregon - **Calin Gurau**, FR

ID: 820 - Reef Education to Sea Country connections: Innovation of co-learning for a sustainable future. A success story for tourism and environmental education on the Great Barrier Reef. - **Marie Taylor**, AU

ID: 1052 - The Lagoon that Unites Us All - **Liliana Pulido**, MX

ID: 70 - Effectiveness of a Marine Education Program on Junior High School Students with a Specific Focus on Satoumi: a case study of a sustainable coastal community development in Japan - **Ryo Sakurai**, JP

PBO-J: Exploring Ecological Pedagogy and Place-Based Learning

Format: Interactive Posters

Date: Wednesday, September 13, 2017

Time: 10:30 - 12:00

Room: West Meeting Room 118

ID: 85 - Exploring Tools of Imaginative Ecological Education - **Gillian Judson**, CA

ID: 182 - Stories of advocacy in place-responsive pedagogy - **Peter Renshaw**, AU

ID: 225 - PEDAGOGY + PLACE + PEOPLE Critical reflections on an interdisciplinary Amazon field school experience through a Lefebvrian lens. - **Lucie Gagne**, CA

ID: 244 - Hogar, escuela y espacios de recreación: El sentido de lugar en juvenes universitarios - **Yolanda Feria-Cuevas**, MX

ID: 328 - El trabajo de campo como complemento de la educación ambiental con niños, en un campamento de protección de tortugas marinas en México - **Blanca Bojorquez Martinez**, MX

ID: 351 - Emociones e interacciones que caracterizan el sentido de lugar en juvenes universitarios - **Yolanda Feria-Cuevas**, MX

ID: 616 - Educación Ambiental para la Paz - **Sindy Leon**, CO

ID: 938 - The Ability of Nature to Foster Growth - **Maddie Dineen**, US

ID: 42 - Living Wild - **Daniella Roze des Ordon**, CA

Congress Program

Program Schedule | Policy and EE

POL-B: EE/Teacher Education (Institutional Policies) & Post-Secondary Education

Format: Roundtables
Date: Saturday, September 9, 2017
Time: 13:00 - 14:30
Room: West Meeting Room 122
Chair: Milton McClaren, CA

ID: 114 - Environmental and Sustainability Teacher Preparation: A Global Perspective - **Maurice DiGiuseppe**, CA

ID: 50 - Environmental and Sustainability Education in Canadian Teacher Education: National Agency and Activism - **Maurice DiGiuseppe**, CA

ID: 387 - Bridging relationships between university and educational settings by supporting Environmental Education for Sustainability (EEfS) implementation - **Sylvia Almeida**, AU

ID: 561 - Responsible Futures: embedding ESD throughout the culture of universities and colleges - **Quinn Runkle**, GB

ID: 850 - The Community Sustainability Incubator: A New Model for University-Community Collaboration and Resilience Building - **Harold Glasser**, US

ID: 552 - Proposing a Global SDG Charter for Universities, Colleges and Students - **Iain Patton**, GB

POL-C : Community Development / Implementation of ESD (Training Programs)

Format: Roundtables
Date: Sunday, September 10, 2017
Time: 08:30 - 10:00
Room: West Meeting Room 122
Chair: Milton McClaren, CA

ID: 43 - Environmental Education of Rural Farmers in East Africa and Its Implications for Sustainable Development. A Case of Uganda - **Gerald Ssengendo**, UG

ID: 125 - Study on the Cases of China-Africa Environmental Education and Technical Collaboration - **Fengting Li**, CN

ID: 482 - Pit Latrine Harmful Effects on Groundwater and Water Source Quality in Rural Villages: Awareness and Education Combined with Action to Minimize the Impact - **Stanis Koko**, CD

ID: 729 - Environmental education for sustainable societies - The Ecosystem Services and Environmental Services of the Water Producer Program (PSA) in the city of Salesopolis, Sao Paulo, Brazil - **Rosely Imbernon**, BR

POL-E: Policy and K-12 Initiatives in EE/ESD (Environmental Action & School Programs)

Format: Interactive Posters
Date: Sunday, September 10, 2017
Time: 17:00 - 18:30
Room: West Meeting Room 122
Chair: Hilary Leighton, CA

ID: 252 - ESD Policy and Implementation: Practices that Work - **Melanie Parker**, US

ID: 555 - Nationwide LYKE-network promoting local environmental education in Finland (poster) - **Niina Mykrä**, FI

ID: 774 - Impacts of the Environmental Education Policy Framework in Ontario: Connecting to EcoSchools - **Elanor Waslander**, CA

ID: 799 - Why and How PISA Distorts Environmental and Social Goals - **Alberto Arenas**, US

ID: 823 - Redefining EE in urban setups in the UAE - **AJITA NAYAR**, AE

POL-F: Adaptation to Climate Change - Global, National and Local Policy Development

Format: Interactive Posters
Date: Tuesday, September 12, 2017
Time: 08:30 - 10:00
Room: West Meeting Room 122
Chair: William Hammond, US

ID: 143 - Transforming Sariaya, Quezon, Philippines into A Climate-Smart Eco-Town - **Ronnie Lindog**, PH

ID: 420 - The role of open distance education and e-learning in developing climate literacy in South Africa - **Muchaiteyi Togo**, ZA

ID: 649 - Inspiring Climate Change Action Through Community Dialogue - Novel Format - **Maria Loffredo Roca**, US

POL-H: Public Education and Policy Implementation; Public Policy and EE

Format: Interactive Posters
Date: Tuesday, September 12, 2017
Time: 13:00 - 14:30
Room: West Meeting Room 122
Chair: Victor Elderton, CA

ID: 406 - Politica Global y Educacion Ambiental - **Rafael Ramirez Beltran**, MX

ID: 592 - Enhancing achievement of SDGs through environmental sustainability practices in public sector in Kenya - **Ayub Ndaruga**, KE

ID: 685 - La politica nacional de Educacion Ambiental en Colombia: resultado de un proceso formativo - investigativo, para su apropiacion e institucionalizacion en el ambito local - **Maritza Torres Carrasco**, CO

ID: 815 - EA Program of a provincial government with national projection - **Claudia Terenghi**, AR

ID: 917 - EE, ESD, and SDGs in Japan - **Kumi TASHIRO**, JP

ID: 1042 - The environmental education center systems in Taiwan and Korea and perceived roles of national - regional - local centers - **Chankook KIM**, KR

POL-J: International Policy Initiatives in Sustainability and EE

Format: Roundtables
Date: Wednesday, September 13, 2017
Time: 10:30 - 12:00
Room: West Meeting Room 122
Chair: Milton McClaren, CA

ID: 410 - Review of the Unit-Based Sustainability Assessment Tool for alignment with GAP priorities and Sustainable Development Goals - **Geraldine Kumalo** and **Muchaiteyi Togo**, ZA

ID: 844 - Youth Engagement in Environmental Education - **Brian Waswala**, KE

ID: 1010 - The Promise of Benchmarks and the SDGs for a Sustainable Future - **Kim Smith** & **Heather Spalding**, US

ID: 645 - A comparative analysis of EE Acts: Lessons learned and policy implications for the future - **Judy Braus** & **Ginger Potter**, US

Congress Program

Program Schedule | Social Responsibility and Agency / Activism

SRA-G: Community Engagement Workshop

Format: Paper Session

Date: Monday, September 11, 2017

Time: 15:00 - 16:00

Room: Unitarian Church of Vancouver (949 49 AVE W, Vancouver, BC V5Z 2T1)

ID: 942 - Inward Bound: How the Fields of Peacemaking, Social and Emotional Learning and Educating for Social Responsibility Can Impact EE Pedagogy in Outdoor Expeditionary Settings - **Laura Parker Roerden**, US

ID: 782 - Developing Awareness: Exploring the Use of Interiority Work to Increase Propensity for Environmental Stewardship - **Cheryl Re**, CA

ID: 556 - People and pest animals: Role of identity and feelings - **Sally Birdsall**, NZ

ID: 76 - Environmental child soldiers of Surabaya, Indonesia - **Kelsie Prabawa-Sear**, AU

SRA-A: The Facets of Environmental Education

Format: Interactive Posters

Date: Saturday, September 9, 2017

Time: 11:00 - 12:00

Room: West Meeting Room 117

ID: 365 - Environmental Education as an Intervention for Systems Change - **Maureen Jack-LaCroix**, CA

ID: 331 - Social Responsibility and Activism: A School-Based Approach For A Sustainable Society Through 'Human Revolution' - **YOSHIYUKI IIO**, JP

ID: 253 - Transformative Learning, Systems Thinking and Behavior Change: NWEI's Pedagogy for Sustainability - **Lacy Cagle**, US

ID: 423 - Societal responsibility of universities: A structuring and global vision of the Cadi Ayyad University for promoting sustainable educational practices - **FATIMA ARIB**, MA

SRA-B: Environmental Education - Pedagogies and Practices

Format: Interactive Posters

Date: Saturday, September 9, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 117

ID: 922 - Engaging Environment and Culture in Building teachers as agents of change in South Africa - **Esther Kibuka-Sebitosi**, ZA

ID: 816 - Teaching ethics in science education: beyond anthropocentrism in theory and practice - **Ana Paula Guimaraes**, BR

ID: 812 - Developing Social Responsibility and Citizenship Through Place-based and Experiential Education - **Kevin O'Connor & Robert Sharp**, CA

ID: 577 - Towards transdisciplinarity, originating from the subject - How do social subject teachers implement environmental education? - **Essi Aarnio-Linnanvuori**, FI

SRA-C: Eco-Education - Design and Practice

Format: Roundtables

Date: Sunday, September 10, 2017

Time: 08:30 - 10:00

Room: West Meeting Room 117

ID: 895 - Sustainable schools: limits, possibilities and challenges of appropriation of a public politics by Brazilian schools - **Rosiléia Almeida**, BR

ID: 821 - Measurement Matters: development of a sustainability locus of control scale for use with adolescents - **Misol Kim**, AU

ID: 191 - Indigenous Environmental Issues, Activism, and Education: Implications for Practice - **Gregory Lowan-Trudeau**, CA

ID: 543 - The incidence of transformative learning for sustainability in higher education: influences of specialist sustainability units in an Australian context - **Elizabeth Sidiropoulos**, AU

ID: 422 - Social Practices at Cadi Ayyad University: an innovative approach based on education for sustainable development of students - **FATIMA ARIB**, MA

SRA-D: Teaching Climate Change

Format: Roundtables

Date: Sunday, September 10, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 117

ID: 29 - 360 degrees of change: 360 tonnes of greenhouse gas emissions reduction in a school setting - **Elaine Lewis**, AU

ID: 135 - Promoting climate action - what works - **Robert Gifford**, CA

ID: 797 - Empowerment and agency for a transformative climate education - **Emilie Morin**, CA

ID: 680 - Teaching about Climate Change: Tools for Inspiring Action - **Patrick Robertson**, CA

ID: 446 - Education in Social Action within the Climate Justice Movement: A Framework for Understanding Learning within North American Fossil Fuel Protests - **Jenalee Kluttz**, CA

Congress Program

Program Schedule | Social Responsibility and Agency / Activism

SRA-E: Educator and Pedagogy Transformation

Format: Interactive Posters

Date: Sunday, September 10, 2017

Time: 17:00 - 18:30

Room: West Meeting Room 117

ID: 750 - How the class actively helped to protect a biodiversity hotspot with TIME - **Uri Shanas**, IL

ID: 849 - Catch: A Face-to-Face Dynamic Simulation Game for Teaching About Renewable Natural Resource Management and Sustainability - **Harold Glasser**, US

ID: 478 - Raising awareness of sustainability competences through playing a simulation game, Fishbanks Ltd. - **Jen-shiuan (Susan) Shiau**, TW

ID: 609 - Conservation Education As Environmental Education: A Case Study of A Community-Based Non-Governmental Organisation in Trinidad and Tobago - **Shahiba Ali**, TT

ID: 787 - Children's Voices about Energy Conservation and Production - **Eileen Merritt**, US

ID: 983 - Study Abroad Education as mechanism for achieving the Sustainable Development Goals: Investigating the transformative potential of short-term study abroad experiences - **Siobhan Ashe**, CA

SRA-F: Global Environmental Education Goals and Monitoring Success

Format: Interactive Posters

Date: Tuesday, September 12, 2017

Time: 08:30 - 10:00

Room: West Meeting Room 117

ID: 489 - Catalyzing a Research Cluster for Social Mobilization on Climate Change using Digital Tools - **Stephen Sheppard**, CA

ID: 909 - Youth Action for Environmental Protection - **Elaine Nevin**, IE

ID: 290 - Benchmarking the Desirable Attributes of Change Agents for Urban Green Lifestyles - **Suthathip Kedkaew** and **Tassanee Ounvichit**, TH

SRA-H: Education and Environmental Economics

Format: Roundtables

Date: Tuesday, September 12, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 117

ID: 862 - Greening Making @ UBC Girls' Makeathon - **Paula MacDowell**, CA

ID: 769 - Teaching Corporate Social Responsibility (CSR): special features and proposals for management education - **Cedrine Joly**, FR

ID: 105 - Carbon, Climate and Coffee - Building Alliances between Fair Trade, Small-Scale Farmers and Regenerative Organic Agriculture - **Monika Firl**, CA

ID: 469 - Sustainability-driven entrepreneurship: round table on a new joint master curriculum - **Marco Rieckmann**, DE

SRA-J: Partnerships and Collaboration Roundtable

Format: Roundtables

Date: Wednesday, September 13, 2017

Time: 10:30 - 12:00

Room: West Meeting Room 117

ID: 839 - Reaprovement of Radiographies for the Environment, Health and Citizens' Training - **Marilia De Oliveira**, BR

ID: 803 - Contents of local hydrology in the courses of environmental and watershed training 2013-2014 of the National Network of Environmental Education (RENEA), Uruguay - **Carlos Anido**, UY

ID: 464 - Eco Champions: an integrated approach to the whole community leadership for sustainability - **Patricia Armstrong**, AU

ID: 306 - Sustainability in Higher Education Subjects: University-Community Co-Creation Process in the City of Girona - **Leslie Mahe Collazo-Exposito**, ES

SRA-K: Case Studies - Risks, Resources and Response

Format: Interactive Posters

Date: Wednesday, September 13, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 117

ID: 535 - Content Analysis of Descriptions of Exhibits in Nuclear Disaster Memorial Museums - **Shinobu Goto**, JP

ID: 1000 - On the technological accident with the Samarco dams in Brazil: Is there future in the mud? dam collapse in Brazil - **Dulce Pereira**, BR

ID: 833 - Study of the efficiency of Moringa oleifera in the quality of the water to the irrigation in the rural district Sobradinho - City of Uberlandia - MG. - **MARILIA DE OLIVEIRA**, BR

ID: 283 - Contents of local hydrology in the courses of environmental and watershed training 2013-2014 of the National Network of Environmental Education, Uruguay - **Carlos Anido**, UY

ID: 496 - Una panorámica de la actual situación de emergencia y articulación del movimiento agroecológico en Galicia - **Kylyan Bisquert i Pérez**, ES

ID: 402 - Un estudio comparado de tres universidades en transición: posibilidades educativas del modelo de las transition towns en el marco universitario - **Kylyan Bisquert i Pérez**, ES

ID: 430 - In Case of Emergency Break Glass: Age-old Stories as Guideposts to a Sustainable Future - **Roger Petry**, CA

Congress Program

Program Schedule | Urban Ecosystems

URB-B: Addressing Urban Planning in the Curriculum

Format: Roundtables

Date: Saturday, September 9, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 112

ID: 342 - How Urban Land Use Variation Influence Diversity and Distribution of Bird Species in Harare Zimbabwe - **Tafadzwa Jakata**, ZW

ID: 451 - Changing catchment practice on an urban river in Sydney - **Sue Burton**, AU

ID: 771 - Green Mobilization in Kulturpark - **Mehmet Umut Dilsiz**, TR

ID: 931 - The Analysis of Key Success Factors of Waste Management for Urban Ecosystem - **Lina Astuti**, ID

ID: 965 - Public space between relational cartography and new forms of citizenship. - **Maria Montalbano**, IT

URB-C: Formal Programs in Environmental Education

Format: Roundtables

Date: Sunday, September 10, 2017

Time: 08:30 - 10:00

Room: West Meeting Room 112

ID: 407 - Post-Secondary Environmental Experiential Education: The KPU Urban Ecosystems Degree - **Katherine Dunster**, CA

ID: 500 - Gigantes invisibles, arboles del centro de Medellin - **Alejandra Leoci Eisses**, CO

ID: 608 - Environmental education through citizen science: the Limbovane Ant Project - **Dorette Du Plessis**, ZA

ID: 882 - Sistema digital interactivo para la enseñanza de materias socioambientales en la Facultad de Ciencias, de la Universidad Nacional Autonoma de Mexico - **Lucia Almeida**, MX

URB-D: Project Based Programs in Environmental Education

Format: Roundtables

Date: Sunday, September 10, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 112

ID: 502 - The Commons as Classroom - **Domenico DAlessandro**, US

ID: 623 - A Groundbreaking Approach to Graduate-level Programming in Urban Environmental Education - **Annalise Ritter**, US

URB-F: Techniques in Urban Environmental Education

Format: Interactive Posters

Date: Tuesday, September 12, 2017

Time: 08:30 - 10:00

Room: West Meeting Room 112

ID: 162 - The importance of embedding sustainable Biophilic Design strategies in interior architecture and design education - **Carolyn Hayles**, GB

ID: 437 - Ecosystemes urbains : le parc bangr-weogo de Ouagadougou, un outil d'éducation environnementale - **Roger BARO**, BF

ID: 440 - The city as a system - Streamlining inter-/multi-disciplinarity in urban environmental higher education by subscribing to system theory and thinking - **Johannes Hamhaber**, DE

ID: 538 - Connecting threads between performance art, urban design and environmental education - **Susan Wake**, NZ

ID: 670 - The relations of human beings with other beings in a Brazilian educational urban context. - **Andreia Figueiredo**, BR

ID: 761 - Evaluation of the Recyclable Material Disposal - **Rosangela Borém**, BR

ID: 795 - Knowledge and attitudes towards bumblebee-friendly gardening: A survey of Fraser Valley residents and university students - **Mariano Mapili**, **Lauren Westhaver**, **Shyanne Batt**, **Katie Galliazzo**, **Michelle Riedlinger**, and **Renee Prasad**, CA

URB-H: Urban Ecosystem Characteristics and Impacts in Environmental Education

Format: Interactive Posters

Date: Tuesday, September 12, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 112

ID: 8 - Ecological restoration in cities: The challenges of teaching about novel ecosystems and layers landscapes - **Valentin Schaefer**, CA

ID: 325 - Case studies for maintaining and enhancing urban greenery - **Phuong Nguyen**, VN

ID: 836 - Environmental shifts and cultural influences in the transition of a wetland ecosystem of the Sumas Lake to the urban ecosystem of the Sumas Prairie - **Mariano Mapili**, CA

URB-K: Teaching About Quality of Life

Format: Interactive Posters

Date: Wednesday, September 13, 2017

Time: 13:00 - 14:30

Room: West Meeting Room 112

ID: 389 - La percepción del transporte ecológico como alternativa al cambio climático en estudiantes de Brasil, España, Mexico y Portugal - **German Vargas Callejas**, ES

ID: 491 - El modelo de vida urbano y su relación con el cambio climático en Brasil, España, Mexico y Portugal - **German Callejas**, ES

ID: 544 - The Canal Participatory Conservation for Tourism Encouragement of the Waterfront Communities - **Paranee Srisawad**, TH

ID: 593 - Developpement de l'Agroecologie : espace temoin de changements de mode de consommation vers plus de durabilite en milieu urbain. - **Loubna Chaouni**, MA

ID: 886 - Valoracion socio-economica de servicios ecosistemicos de regulacion y belleza escenica del pedregal de San Angel, Ciudad de Mexico - **Lucia Almeida**, MX

Congress Program

Program Schedule | **Additional Novel Formats**

ANF-A: Additional Novel Formats

Format: Novel Format

Date: Saturday, September 9, 2017

Time: 11:00 - 12:00

Room: West Meeting Room 114

ID: 1045 - (In)difference at the Edge: The Warp and Weft of Words and Worlds, Tracing Deep Epistemic Eco-Entanglements of Self and Other Through Métissage - **Hilary Leighton**, CA

ID: 1056 - Embodying the earth: What homemade cookies and handcrafted pottery can teach us about our relationships with the planet - **Kaeli Benoit**, CA

ID: 887 - Take away coffee becomes ART TO STAY - **Karola Braun-Wanke**, DE

ANF-F: Additional Novel Formats

Format: Novel Format

Date: Tuesday, September 12, 2017

Time: 08:30 - 10:00

Room: West Meeting Room 116

ID: 934 - Weaving Conversation Circles for New Understandings - **Sharon Kallis**, CA

ANF-J: Additional Novel Formats

Format: Novel Format

Date: Wednesday, September 13, 2017

Time: 10:30 - 12:00

Room: West Meeting Room 112

ID: 935 - Drawing meaning from nature: observation, symbols and stories - **Robi Smith** & **Zuzana Vasko**, CA





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Networking Events



Coffee Breaks

Refreshments and light snacks will be available for delegates in the Vancouver Convention Centre Burrard Foyer. Please enjoy your drinks and take some time to mingle with your colleagues and exhibitors!

Saturday, September 9	10:30 – 11:00 & 14:30 – 15:00
Sunday, September 10	10:00 – 10:30 & 14:30 – 15:00
Tuesday, September 12	10:00 – 10:30
Wednesday, September 13	10:00 – 10:30



Welcome Reception

Delegates are invited to the West Ballroom Foyer for a chance to mix and mingle with exhibitors, friends and colleagues while enjoying local wines and exquisite canapés. Congress delegates will have free entry but additional Welcome Reception tickets can also be purchased at the registration desk for CAD 50.00 plus tax.

Date: **Saturday, September 9, 2017**

Time: 16:30 – 19:00

Location: Vancouver Convention Centre West Building, Ballroom A Foyer



Congress Evening

Delegates will reconvene following the Community Outreach Workshops on Monday for an evening highlighting the various Community Outreach Workshops. Congress Evening will feature drinks as well as hors d'oeuvres and tickets can be purchased at the registration desk for CAD 50.00 plus tax.

Date: **Monday, September 11, 2017**

Time: 17:00 – 20:00

Location: Vancouver Convention Centre West Building, Ballroom A

Tickets: CAD 50.00 plus tax

Ocean Education Evening

Join your fellow Congress delegates for an Ocean Education Evening event on September 12 at the Vancouver Aquarium. This private evening event from 6-9pm offers opportunities for delegates to relax, socialize and experience the first-hand approaches used by Ocean Educators. Practitioners can explore the exhibits at the Vancouver Aquarium and network with their colleagues while they enjoy food and local drinks available at the cafe. Ocean Educators will exhibit multi-sensorial programs in an "Ocean Education Showcase" dispersed throughout the Aquarium featuring Curriculum, Children & Youth, Mobile, Service Learning, and Public Programs. Participants will also enjoy live programming throughout the galleries and rolling up their sleeves in our wet lab.

Date: **Tuesday, September 12, 2017**

Time: 18:00 – 21:00

Location: Vancouver Aquarium Marine Science Centre – 845 Avison Way, Vancouver, BC

Ticket: CAD 15.00 plus tax

Register: https://bbnc.vanaqua.org/vanaqua/events-pages/2017/events_registration_17.09.12-public-programming_ocean-education-evening





Getting greener.

At Langara College, we are deeply committed to being part of a sustainable society. Our newest campus addition is the Science & Technology Building, a 12,000 square metre, cantilevered, award-winning building designed in accordance with the College's sustainability initiatives.

Green building highlights:

- Designed to the gold standard in Leadership in Energy and Environment Design (LEED);
- Built with local, sustainable building materials;
- Constructed with an energy-efficient building envelope;
- Features a low-emissivity roof;
- Offers low-flow fume hoods with adjustable sashes;
- Modeled to save the equivalent of an Olympic-sized swimming pool of water each year through washroom fixture efficiencies;
- Incorporates an innovative water-side heat recovery system that targets zero thermal energy waste and preheats domestic hot water.

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Exhibitor Guide

Exhibitor Floor Plan

Exhibition Hours

Saturday, September 9 – 10:30 – 18:30
Sunday, September 10 – 10:00 – 18:30



BCIT.....	16	Institute for Environmental Learning.....	4	Stream of Dreams Murals Society.....	19
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BCIT | # 16

www.bcit.ca/construction

Prepare for the future. At the BCIT School of Construction and the Environment, you will gain the knowledge and skills to address the issues of today, while planning for tomorrow. The School offers a broad scope of programs and areas of study in Applied and Natural Sciences, Engineering and Trades and Apprenticeship.



Cheakamus Centre | # 17

www.cheakamuscentre.ca

Established in 1969, Cheakamus Centre is an overnight environmental education facility situated on 165 ha of ecological reserve near Squamish, BC. Learners of all ages are engaged in fun and meaningful ways utilizing the Centre's vast network of forest trails, spawning streams, salmon hatchery, farm and Coast Salish longhouse.



Centers for Natural Resources
and Development

CNRD | # 19A

www.cnr.info

The Centers for Natural Resources and Development (CNRD) is a worldwide university network promoting academic exchange and cooperation in the area of natural resources management. The network aims to provide a valuable contribution to the Post 2015 Agenda and to the Sustainable Development Goals (SDG).



CPAWS | Table A in Registration Area

www.cpawsbc.org

CPAWS-BC has been BC's grassroots voice for wilderness conservation since 1979. Our mission is to protect Canada's public lands and ocean by working collaboratively with governments, Indigenous Peoples, local communities, and industry. Our core program areas are connecting Canadians to nature, creating new marine and terrestrial protected areas, and ensuring the maintenance and proper stewardship of Canada's diverse ecosystems.



David Suzuki Foundation | # 8

www.davidsuzuki.org

At the David Suzuki Foundation, we collaborate with Canadians from all walks of life, including government and business, to conserve our environment and find solutions that will create a sustainable Canada through science-based research, education and policy work.



Douglas College | # 7

www.douglascollege.ca

Douglas College is the largest degree-granting college in B.C., combining the academic foundations of a university and the employer-ready skills of a college to provide the most relevant and inspiring undergraduate experience in British Columbia.



ECO Canada | Table B in Registration Area

www.eco.ca

ECO Canada is a not-for-profit organization dedicated to supporting environmental professionals and employers from coast to coast. ECO offers training, research, academic accreditation and career services. We provide Canada's leading environmental certification for Environmental Professionals (EP®) and employer wage subsidies through our EYC internship program. Discover how ECO Canada can support your environmental career by visiting us online.



Environment Agency - Abu Dhabi | # 21

www.ead.ae | www.sustainableschools.ae | www.sustainablecampus.ae

Environment Agency - Abu Dhabi is proudly celebrating its twenty years of achievement in conserving and protecting the environment, enhancing air quality, groundwater as well as the biodiversity of our desert and marine ecosystem. We embrace international best practice, innovation and partnerships to institute effective policy measures.

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Global Environmental Education Partnership | # 14

www.thegeep.org

The Global Environmental Education Partnership (GEEP) was founded in 2014 to strengthen environmental education globally and is led by the U.S. Environmental Protection Agency, the Environmental Protection Administration of Taiwan, and the North American Association for Environmental Education.



Green Teacher | Table C in Registration Area

www.greenteacher.com

Green Teacher is a quarterly magazine for educators inside/outside of schools who work with kids from 6 to 19 years of age. We also publish books and ebooks, host webinars, and publish short videos on our website. We have also published 100's of French and Spanish translations on our website.



Gulf Islands Centre for Ecological Learning Society | # 2

www.gicel.ca

GICEL, the Gulf Islands Centre for Ecological Learning Society, has been providing nature-centered experiences for children (3 – 12) and teens (13 – 17) since 2000. We facilitate explorations in nature that reawaken connections and comfort with the natural world. Our age-based programs – Seedlings, Summer Earth Education Program (SEEP) and the Environmental Leaders Apprenticeship Program – are held within the Southern Gulf Islands and on Cortes Island.



Institute for Environmental Learning | # 4

www.eco-learning.org

The Institute for Environmental Learning is a collaborative of researchers and practitioners committed to high quality environmental and sustainability learning in British Columbia. Our members come from a variety of institutions including universities, colleges, school districts, community groups, non-profit organizations, and provincial and regional governments. In 2010, it was chartered by the UN University as a Regional Centre of Expertise in Education for Sustainable Development. Since then it has conducted a variety of research and development projects and has won awards for its professional development efforts throughout British Columbia.



Kwantlen Polytechnic University | # 15

www.kpu.ca

KPU is an innovative, transformative and ambitious institution that serves the needs of Metro Vancouver, British Columbia and beyond. With campuses in Richmond, Surrey-Newton, Surrey-Cloverdale and Langley. KPU has opened the doors to success for more than 250,000 graduates over its 30 year history.



New Society Publishers | # 20

www.newsociety.com

New Society Publishers is an activist, solutions-oriented publisher focused on bringing you tools for a world of change. Our mission is to publish books that contribute in fundamental ways to building an ecologically sustainable and just society, and to do so with the least possible impact on the environment, in a manner that models this vision.



North Cascades Institute | # 17A

www.ncascades.org/study

North Cascades Institute inspires and empowers environmental stewardship for all through transformative experiences in nature. We have been connecting people, nature and community through education since 1986 through science, art, literature and the hands-on study of the natural and cultural history of the Pacific Northwest.

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Northwest Earth Institute | # 18

www.nwei.org

For nearly 25 years, Northwest Earth Institute has been a leader in engaging individuals and institutions in environmental education and action. Through NWEI's series of sustainability-focused course books and online EcoChallenge action events, NWEI supports the discovery of new ways to live, work, create and consume.



Pacific Institute for Climate Solutions (PICS) | # 12

www.PICS.UVic.ca

Collective action will define our future global climate. The Pacific Institute for Climate Solutions (PICS) creates partnerships between leading researchers, governments, the private sector and communities, to assess, develop and promote viable climate change mitigation and adaptation policy options. PICS is a collaboration between BC's four leading research universities, led by UVic in collaboration with SFU, UBC and UNBC.



Port Moody Ecological Society | Table C in Registration Area

www.noonscreek.org

The Port Moody Ecological Society (PMES) is a broadly-based, community supported, federally registered, charitable non-profit society, incorporated under the British Columbia Societies Act. PMES volunteers manage a Coho and Chum salmon hatchery, a water quality lab and public awareness/ community outreach programs, using salmon life-cycle ecology as an instructional vehicle.



Rivershed Society of British Columbia (RSBC) | # 7A

www.rivershed.com

The Rivershed Society of British Columbia (RSBC) is a non-profit organization dedicated to improving the health of BC's longest river, the Fraser, and its riversheds. Since its inception in 1996, the RSBC has been actively delivering public education programs, community initiatives, and building stewardship capacity in the Fraser River Basin.



Royal Canadian Geographical Society | # 1

www.cangeoeducation.ca

The Royal Canadian Geographical Society is dedicated making Canada better known to Canadians and the world. As one of Canada's oldest and largest educational, non-profit organizations, the RCGS, and its iconic publication, Canadian Geographic, has been our country's most recognized voice for connecting Canadians with the land, culture and environment in which they live.



Royal Roads University | # 3

www.royalroads.ca

At Royal Roads University our blended programs -online with short on-campus residencies - enable our students to work full time while they upgrade their education. Our graduate programs in Environmental Education and Communication will empower you, and give you the depth and insight to lead and motivate others in developing a sustainable, environmentally sound society.



Stanley Park Ecology Society (SPES) | # 3A

www.stanleyparkecology.ca

Stanley Park Ecology Society (SPES) is an independent non-profit charity that plays a leadership role in the stewardship of Stanley Park through education, research, and conservation. Join SPES to learn about its extensive programming including student and teacher workshops in the outdoor classroom, First Nations-delivered programming, habitat restoration and more.

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Stream of Dreams Murals Society | # 19

www.streamofdreams.org

Stream of Dreams believes that imagination will save the world. Our 'Fish on Fences' project is helping communities discover their local watershed, become stewards for salmon and all aquatic creatures. We believe in the integrity of our science to art process and embrace optimism to create lasting meaningful results.



Sustainability and Education Policy Network (SEPN) | # 13

www.sepn.ca

The Sustainability and Education Policy Network (SEPN) is an international network of researchers and organizations advancing sustainability in education policy and practice. Based out of the Sustainability Education Research Institute, SEPN provides rigorous, comparative, evidence-based understandings of policy and practice with the goal of enabling educational change for a more sustainable future.



United Nations Environment Programme | # 9

www.unep.org

The United Nations Environment Programme (UN Environment) is the leading global authority dedicated to the environmental dimension of sustainable development. Recognizing the centrality of youth to environmental sustainability, UN Environment runs Young Champions of the Earth, a forward-looking prize aiming to breathe life into the ambitions of brilliant young environmentalists.



University of Victoria | # 6

www.continuingstudies.uvic.ca/sustainability

UVic's School of Environmental Studies and Division of Continuing Studies have partnered to offer diploma and certificate programs that encompass the social and biophysical dimensions of ecological restoration. In these flexible programs, you'll learn about current restoration practices from experienced and knowledgeable instructors, surrounded by peers that share your passion.



Vancouver Aquarium | # 5

www.vanaqua.org

The Vancouver Aquarium Marine Science Centre is a self-supporting, non-profit society dedicated to effecting the conservation of aquatic life through display, communication, public programming and education, research and direct action and is recognized as a leader in connecting people to our natural world. More than 35 million people have visited the Aquarium since it opened in 1956.



WEEC Network | Table D in Registration Area

www.weecnetwork.org

Since 2003 the Network has organized 9 World Congresses, which have seen the participation of thousands of people from over 100 different countries: university professors, government officials, international organizations, journalists, political representatives, businesses, NGOs... The Network operates in accordance with the UN in collaboration with affiliate organizations such as UNEP, UNESCO, UNECE, UN-CSD Education Caucus, Regional Centers of Expertise.



Zayed Future Energy Prize | # 11

www.zayedfutureenergyprize.com

The Zayed Future Energy Prize is the UAE's global awards for renewable energy and sustainability. Since its establishment in 2008, the Prize has brought together pioneers from around the world to be part of a growing community, committed to developing renewable energy and sustainability solutions that will serve future generations.