

10th International Outdoor Education Research Conference

Conference Program



2024 JAPAN
10th International
Outdoor Education
Research Conference

Monday 4 March – Friday 8 March, 2024

National Olympics Memorial Youth Center, Tokyo, JAPAN

Acknowledgements

A talk began in Queensland, Australia in 2018 during the 8th IOERC, which several of us from Japan attended. We agreed it would be wonderful to someday bring the conference to Japan so that more Japanese and Asian researchers could be exposed to broader international discussions on outdoor, environmental, and experiential education.

An organizing committee was formed with nine members from various locations, and we are thrilled to host the 10th conference, the first in Asia. While typically one university would host and provide a venue, we decided to unite as one team to organize the conference, believing it would encourage more Japanese and Asian researchers to participate. Our collective effort, despite not physically meeting, deserves applause! The list of committee members is provided at the end.

We extend our utmost respect to those who made the previous nine conferences so rich, inspiring us to take on this endeavor. Special thanks to the National Institution for Youth Education for agreeing to co-host the 10th IOERC. Without their commitment and support, this conference would not have been possible. We also express gratitude to YOSHIDA Masato and KINJO Hatsuho for their assistance in preparing materials such as the Information Guide and Book of Abstracts.

Our heartfelt thanks go to the academic committee for their valuable feedback, ideas, and encouragement, as well as their expertise in the abstract review process. Special mention goes to Søren Andkjær, Morten Asfeldt, Barbara Humberstone, Mark Leather, Christopher Loynes, Pat Maher, Kristi Pederson-Gurholt, Tom Potter, Heather Prince, Heidi Smith, and Glyn Thomas. We are grateful to the colleagues who assisted with the blind review process for the nearly 200 submitted abstracts, including Tomás Aylward, Simon Beames, Karen Barfod, Tonia Gray, David Hills, Susanna Ho, Bob Jickling, Georgios Katsogridakis, TA Loeffler, Denise Mitten, Marcus Morse, Chris North, and Stephen Ritchie.

Special thanks to Mary Breunig, Sean Blenkinsop, Patrick Daigle, Michael Paulsen, Jakob Thorsteinsson, and all those who agreed to moderate presentation sessions. We also extend advance appreciation to student volunteers for their forthcoming assistance during the conference.

Lastly, we thank all attendees of IOERC10 for their participation, discussions, and building connections. We hope this gathering contributes to the field's development and a brighter future for all on Earth (and for earth itself!).

10th International Outdoor Education Research Conference

Japan Organizing Committee members

Dr AOKI Kotaro, Kokugakuin University Dr HAMATANI Hiroshi, Hokkaido University of Education Ms HARIGAYA Masako, Meiji University
Mr HIGUCHI Taku, National Institution for Youth Education Dr MAETA Kazushi, Hokkaido University of Education
Mr MUROI Shuichi, National Institution for Youth Education Dr OKADA Masahiro, Tokai University Dr SATO Fuyuka, Tokyo Kasei Gakuin University
Dr TAKANO Takako, Waseda University/ECOPLUS

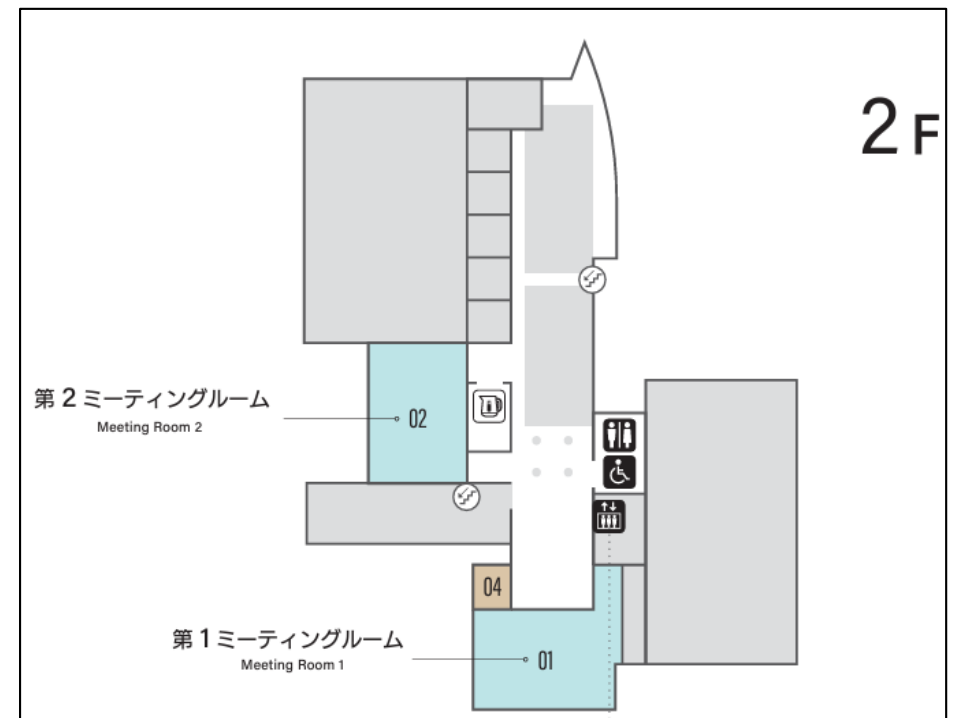
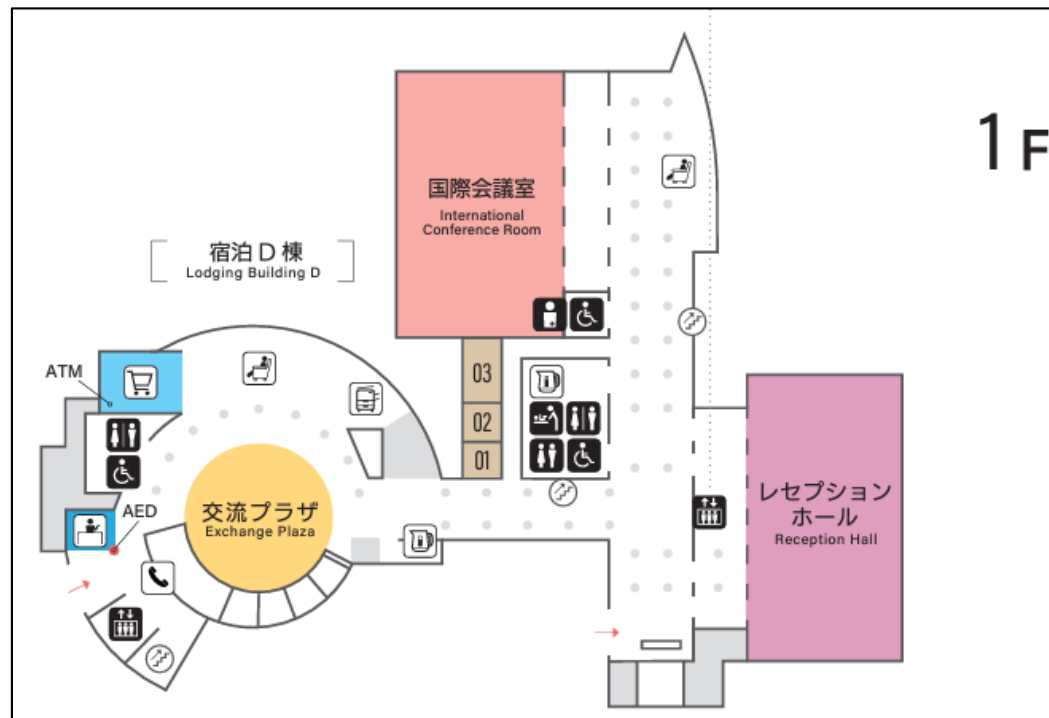
IOERC10 Schedule

	4th March, Monday	5th March, Tuesday	6th March, Wednesday	7th March, Thursday	8th March, Friday
7					
8	7:30 a.m. – 8:30 a.m.	Breakfast	Breakfast	Breakfast	Breakfast
9	8:45 a.m. – 9:15 a.m.	Morning Information	Morning Information	Morning Information	Morning Information
10	9:20 a.m. – 9:50 a.m. 9:55 a.m. – 10:25 a.m. 10:30 a.m. – 11:00 a.m.	Research Presentation Session I	Research Presentation Session IV	Research Presentation Session VI	Research Presentation Session X
11	11:00 a.m. – 11:30 a.m.	Break (tea time)	Break (tea time)	Break (tea time)	Break (tea time)
12	11:30 a.m. – 12:00 a.m. 12:05 a.m. – 12:35 a.m.	Research Presentation Session II	Research Presentation Session V	Research Presentation Session VII	Research Presentation Session XI
13	12:35 a.m. – 1:50 p.m.	Lunch	Lunch	Lunch	Lunch
14	Conference registration	Research Presentation Session III	Excursions	Research Presentation Session VIII	Closing Session
15		2:25 p.m. – 2:55 p.m. 3:00 p.m. – 3:30 p.m.	Break (tea time)	Break (tea time)	
16		3:30 p.m. – 4:00 p.m. 4:00 p.m. – 4:30 p.m. 4:35 p.m. – 5:05 p.m.	Poster Presentation Special Interest Group	Research Presentation Session IX	
17	Opening Ceremony		(Free)		
18	Welcome Party	Tokyo night		Farewell Party	
19					
20					
21	Welcome Party close			Farewell Party close	

- Oral presentation should be 20 minutes, followed by 10 minutes for questions and discussion with audience.
- Poster presenters have an hour to engage with conference delegates around their posters.

Monday, 4, March, 2024

14:30～	International Exchange Bldg, Lobby	Reception open; Room check-in
17:00-18:00	International Conference Room	Opening ceremony
18:00-18:30	Reception Hall	Party registration
18:30-21:00	Reception Hall	Welcome party



Tuesday, 5, March, 2024

08:45-09:15	International Conference Room	Morning Information		
09:20-11:00	Research Presentation Session I			
	Meeting Room 1	Chris North ¹ , <u>David Hills</u> ² ¹ University of Canterbury, New Zealand. ² Griffith University, Australia	Artificial Intelligence and Outdoor Education Part 1: Presentation	125
		Georgios Katsogridakis	<u>Georgios Katsogridakis</u> , Millie Chaston Plymouth Marjon University, United Kingdom	Cyborg bodies and landscapes: data tracking devices and human experience in the mountains
	<u>Søren Andkjær</u> , Signe Højbjerg Larsen University of Southern Denmark, Denmark		Active outdoor life on Facebook. Functions and cultural significance of two Danish outdoor Facebook groups	49
	Meeting Room 2	<u>Antoine Deschamps</u> ^{1,2} , Jean-Philippe Ayotte-Beaudet ¹ , Kari Beate Remmen ² ¹ Université de Sherbrooke, Canada. ² Universitetet i Oslo, Norway	Experienced secondary school teachers' practices in contextualized outdoor learning: A collaborative research protocol	119
		Pat Maher	Ian Neville ¹ , Lauren Petrass ¹ , Scott Polley ² , Catherine Oxworth ¹ ¹ Federation University Australia, Australia. ² University of South Australia, Australia	Outdoor Education Teacher Identity Development from pre-service to early years of teaching: An Australian perspective
	<u>Yannick Lacoste</u> ¹ , Valérie Vinuesa ² , Jean-Philippe Ayotte-Beaudet ² ¹ Université du Québec à Montréal, Canada. ² Université de Sherbrooke, Canada		Implementation of school-based outdoor learning: Transforming practices through action research	76
	Reception Hall 1	<u>François Bissonnette</u> ^{1,2,3} , Nacholas Bergeron ^{1,2,3} , Philippe Chaubet ^{1,2} , Tegwen ¹ UQAM, Canada. ² Centre de recherche interuniversitaire sur la formation et la profession enseignante, Canada. ³ Chaire UNESCO de développement curriculaire, Canada	Towards a National Program in Quebec(Canada) for Outdoor Leader: Inspirations from an Overview of National Training of Several Countries	100
		Nicholas Bergeron, <u>François Bissonnette</u> , Audrey-Anne Beauchamp, Laurence Couture-Wilhelmy, Justine Perras, Jean-Jacques Rondeau, Yannick Lacoste, Henri Boudreault, Tegwen Gadais Université du Québec à Montréal, Canada	A better understanding of the scope of the literature regarding professional competencies for the outdoor pursuit leader (OPL) : A PRISMA scoping review for an evolving field	167
		<u>Taito Okamura</u> ¹ , Jay Post ² , Ayako Hayashi ³ , Hiroshi Hamatani ⁴ , Masahiko Tokuda ⁵ ¹ Backcountry Classroom Inc., Japan. ² Arkansas Tech University, USA. ³ Biwako Seikei Sport University, Japan. ⁴ Hokkaido University of Education, Japan. ⁵ Osaka Sport University, Japan	Perceptions of Japanese Outdoor Leaders toward Their Outdoor Spirituality: A Q-Methodology Inquiry	65
	Reception Hall 3	<u>Glyn Thomas</u> , Brendon Munge University of the Sunshine Coast, Australia	Can recreational cliff users share custodianship of vertical landscapes with traditional owners? What are the implications for outdoor education?	79
		Jakob Thorsteinsson	<u>Marianne Singsaas</u> ¹ , Ola Berge ¹ , Synne Movik ² , Sandra Gentin ³ , Peter Fredman ⁴ ¹ Telemark Research Institute, Norway. ² Norwegian University of Life Sciences, Norway. ³ Copenhagen University, Denmark. ⁴ Mid-Sweden University, Sweden	Governing access to outdoor recreation spaces in urban coastal areas under pressure. A comparison of Norwegian, Swedish and Danish planning practices.
Vanda Sigurgeirsdóttir, <u>Jakob Thorsteinsson</u> University of Iceland, School of Education, Iceland	The Outdoors, social relationships and bullying		181	

Research Presentation Session II				
11:30-12:35	Meeting Room 1	<u>Bob Jickling</u> ¹ , Marcus Morse ² ¹ Lakehead University, Canada. ² University of Tasmania, Australia	Awakening and working with Arne	42
	Bob Jickling	<u>Georgios Katsogridakis</u> Plymouth Marjon University, United Kingdom	Adventure Monuments: Entanglements of Histories, Materials, and Practice	45
	Meeting Room 2	Carmen Leong, <u>Susanna Ho</u> , Kim Seng Tay Ministry of Education, Singapore	Enacting place-responsive outdoor education: a Singapore case study	48
	Susanna Ho	<u>Tommaso Reato</u> Università degli Studi di Padova, Italy	A matter of attention. On the entanglement of place experience and poetic writing: an action research in Italian secondary school.	159
	Reception Hall 1	<u>Gaute Svensson</u> ¹ , Rune Benonisen ² , Frida Omma ¹ ¹ UiT The Arctic university of Norway, Norway. ² County Governor, Norway	Angels and demons – entrepreneurs in outdoor recreation in Northern Norway	164
	Heidi Smith	<u>Mamoru Sugimoto</u> National Nasukashi Youth outdoor Learning center, Japan	A Study on the Motivational Factors for High School, Junior College, and University Students Volunteering at the National Institution for Youth Education.	74
	Reception Hall 3	<u>Kazuyuki Noguchi</u> ¹ , Tamiko Kimoto ² , Shuji Ota ³ , Naoki Ota ³ ¹ KEIO University, Japan. ² Monkey Magic, Japan. ³ Kurumi, Japan	Autism Spectrum Disorder and the Joy of Climbing	131
	Tonia Gray	<u>Marion Sturges</u> , Tonia Gray, Jaydene Barnes Western Sydney University, Australia	Parental perceptions of diluting risk in contemporary outdoor play parks.	108
12:35-13:50		Lunch		

Research Presentation Session III				
13:50-15:30	Meeting Room 1	<u>Helene Illeris</u> ¹ , Michael Paulsen ²	Arts educational approaches to outdoor education in anthropocene landscapes – a Nordic perspective	132
		¹ University of Agder, Norway. ² University of Southern Denmark, Denmark		
	Simon Beames	<u>Loren Miller</u> ¹ , Clare Dallat ²	Investigating the challenges of adapting to climate change in the Australian outdoors – to support a national collaboration for risk mitigation.	47
		¹ Outward Bound Australia, Australia. ² Risk Resolve, Australia		
	Meeting Room 2	<u>Scott Jukes</u>	More-than-human pedagogies: Strategies for escaping the Anthropocene	109
		Federation University, Australia		
		<u>Amy Smallwood</u>	The agentic environment: Moving towards more place-inclusive pedagogy	190
	Barbara Humberstone	University of Minnesota Duluth, USA. University of Cumbria, United Kingdom		
		<u>kassandra L'Heureux</u> , Jean-Philippe Ayotte-Beaudet	Where is what and what is where? How place-based outdoor education enables consideration of the embodied relationship between people and places.	51
		Université de Sherbrooke, Canada		
	Reception Hall 1	<u>Takuro Orij</u> ¹ , Hitoshi Watanabe ¹ , Tatsuki Takahashi ¹	Relation between Cycling Style and Place Attachment of Students. —A Case on Place Attachment Around Campus of Students at Univ. of Tsukuba—	194
		¹ University of Tsukuba, Japan.		
<u>Gustav Tøstesen</u>		Friluftsliv as a part of the PE curricula – potentials for more sustainable human-nature relations? An investigation of PE teachers' understanding of nature and sustainability	151	
John Quay	Western Norway University of Applied Sciences, Norway			
	<u>Jean-Philippe Ayotte-Beaudet</u> , Valérie Vinuesa, Antoine Deschamps, Dominique Lebel, Félix Berrigan	Development of a longitudinal database about school-based outdoor education practices among K-11 teachers	43	
	Université de Sherbrooke, Canada			
Reception Hall 3	<u>John Quay</u> ¹ , Juha Kokkonen ²	Examining Primary Outdoor Education in Victoria (Australia) and Jyväskylä (Finland): Learning from Curriculum and Other Comparisons	37	
	¹ University of Melbourne, Australia. ² University of Jyväskylä, Finland			
	<u>Barbara Hild</u>	Outdoor experiential learning as a tool in developing safety competence among tour guides: an analysis of student experiences of the Arctic Nature Guide program	208	
Denise Mitten	University of Iceland, Iceland			
	<u>Denise Mitten</u> ¹ , Clare Dallat ^{2,3} , Deb Ajango ⁴ , Stuart Slay ⁵	Suffering in Silence: Impacts experienced by practitioners following serious incidents	107	
	¹ Prescott College, USA. ² University of the Sunshine Coast, Australia. ³ Risk Resolve, Australia. ⁴ Alaska Pacific University, USA. ⁵ The Student Conservation Association, USA			
Special Interest Group (SIG)	<u>Yutaka Narita</u> ¹ , <u>Taito Okamura</u> ²	Safety management of outdoor education utilizing the strength of networking organizations in Japan	178	
	¹ Japan Outdoor Network (JON), Japan. ² Backcountry Classroom Inc., Japan			
16:00-17:05	Reception Hall 1	<u>John Quay</u> ¹ , Pat Maher ² , Mary Breunig ³ , Denise Mitten ⁴	Journals and the Challenges of Publishing	217
	¹ University of Melbourne, Australia. ² Nipissing University, Canada. ³ California State University-Sacramento, USA. ⁴ Prescott College, USA.			
Reception Hall 3	<u>David Hills</u> ¹ , Chris North ²	Artificial Intelligence and Outdoor Education Part 2: Round Table Discussion	218	
	¹ Griffith University, Australia. ² University of Canterbury, New Zealand.			

Poster Presentation				
16:00-17:05	International Conference Room	<u>David Addis</u> University of Worcester, United Kingdom. International College Hong Kong, Hong Kong	An Investigation into Enskilment and Student Outdoor Leadership	214
		<u>Kotaro Aoki</u> ¹ , <u>Taku Higuchi</u> ² ¹ Kokugakuin University, Japan. ² National Institution For Youth Education, Japan	A Study on the Occurrence of Injuries and Safety Measures in Youth Education Facilities	140
		<u>Gian Marco Di Feo</u> ¹ , <u>Stephen Ritchie</u> ¹ , <u>Takako Takano</u> ² , <u>Simon Priest</u> ³ ¹ Laurentian University, Canada. ² Waseda University, Japan. ³ University of New Hampshire, USA	Earthing and Outdoor Education: A Scoping Review	162
		<u>Jun Egawa</u> ¹ , <u>Masato Yoshida</u> ¹ , <u>Shinji Murai</u> ² ¹ Kanda Univ. of International Studies, Japan. ² Tamagawa Univ., Japan	Study on the Relationship between Physical Activity and Communication Skills: A Case Study of Adventure Ropes Course	88
		<u>Sarah Grocutt</u> University of Worcester, United Kingdom	Sacred Steps: Unveiling Parallels between Pilgrimage and Place-Based Learning, Reasons for Participation, Connection and Disconnection from the Busyness of Life.	32
		<u>Kei Hijikata</u> Meiji University, Japan	What is outdoor studies as a basis for outdoor education?	153
		<u>Shin-Jia Ho</u> ¹ , <u>Po-Ang Li</u> ¹ , <u>Hong-Wei Ho</u> ² ¹ National Taichung University of Science and Technology, Taiwan. ² Nantoux Fugui Elementary School, Taiwan	Exploring Sustainable Tourism through Outdoor Education Practice in the Tourism and Leisure Industry: A Case Study of Nantou County, Taiwan.	35
		<u>Verity Howell</u> University of Cumbria, United Kingdom	Bushcraft as therapy: exploring the potential	58
		<u>Mariko Inoue</u> Tama Forest Science Garden, Forestry and Forest Products Research Institute, Japan	Present situation of forest education in Japan: forestry, environmental education, and outdoor activities	110
		<u>Tomohiko Kai</u> ¹ , <u>Kouzou Nishigaki</u> ^{2,1} , <u>Misaki Nakagawa</u> ³ , <u>Masahiro Fushida</u> ⁴ , <u>Masami Hirabayashi</u> ⁵ ¹ Kwansei Gakuin University, Japan. ² Outward Bound Japan, Japan. ³ Beast, Japan. ⁴ Tokyo Computer Searvice CO.,LTD., Japan. ⁵ Institute of Advanced Media Arts and Sciences, Japan	Can Digital Technology Replace Leaders in Outdoor Education?	94
		<u>Kyoko Kaijura</u> Aichi Toho University, Japan	Why do children pick up branches during Forest Kindergarten, and why do they play with them? - From behavioral records of children (3-6 years old) in the forest	87
		<u>Kosei Kanatani</u> , <u>Akane Otomo</u> , <u>Kumi Moriyama</u> , <u>Akihiro Sakamoto</u> University of Tsukuba, Japan	Pre-start Mood State and Psychological Competitive Abilities in Alpine skiing	191
		<u>Satomi Mitsui</u> Mount Fuji Research Institute, Yamanashi Prefectural Government, Japan	Challenges in disseminating knowledge on volcanic disaster prevention to visitors to Mt. Fuji, Japan	61
		<u>Kumi Moriyama</u> , <u>Kosei Kanatani</u> , <u>Takuro Orii</u> , <u>Hitoshi Watanabe</u> , <u>Akihiro Sakamoto</u> University of Tsukuba, Japan	Practice of family day camp 'Magomokomo Camp'	197
<u>Daisuke Nishijima</u> Kamakura Women's University, Japan. Outward Bound Japan, Japan	A Study of the Development Process of the Adventure Education Model in Japan: Focusing on Outward Bound	148		

16:00-17:05	International Conference Room	<u>Shingo Nakamaru</u> ¹ , Yu Fukutomi ² , Mitsuru Sakatani ³ , Yuka Kogo ⁴ , Kotaro Aoki ⁵ , Naoya Taki ⁶ , Masahiko Tokuda ⁷ , Kumiko Ihara ⁷ , Kazutoshi Hashimoto ⁸		
		¹ Japan Women's College of Physical Education, Japan. ² Shigakukan University, Japan. ³ Hokusho University, Japan. ⁴ Tsukuba University of Technology, Japan. ⁵ Kokugakuin University, Japan. ⁶ Shinshu University, Japan. ⁷ Osaka University of Health and Sport Sciences, Japan. ⁸ Biwako Seikei Sport College, Japan	2019 Survey on Summer Camp Programs as Curriculum at Japanese Universities	129
		<u>Élise Rodrigue Poulin</u> , Jean-Philippe Ayotte-Beaudet Université de Sherbrooke, Canada	Critical thinking in outdoor education	117
		<u>Akihiro Sakamoto</u> ¹ , Azusa Yoshimatsu ² , Hitoshi Watanabe ¹ ¹ University of Tsukuba, Japan. ² Meiji University, Japan	Influence of camp therapy on friendship formation: A case study of an adolescent with autism spectrum disorder	69
		<u>Fuyuka Sato</u> ¹ , Akihiro Sakamoto ² , Akane Otomo ² ¹ Tokyo Kasei Gakuin University, Japan. ² University of Tsukuba, Japan	A Process of Developing Japanese University Students' Self-authorship through Physical Education Class Using Outdoor Program	203
		<u>Suguru Shibata</u> ¹ , Chikako Shibata ² ¹ Koriyama Women's University, Japan. ² Sendai University, Japan	A Study on the Effectiveness of Natural Teaching Materials Created From a STEAM Perspective and the Awareness of Childcare Workers : Based on a questionnaire survey after childcare worker training	116
		<u>Tatsuki Takahashi</u> , Hitoshi Watanabe University of Tsukuba, Japan	Students Specializing in Outdoor Education in Japan: Quantitative Insights into Learning Motivations and Types	206
		<u>Tatsuki Takahashi</u> , Hitoshi Watanabe University of Tsukuba, Japan	Students Specializing in Outdoor Education in Japan: Qualitative Exploration of Cognition and Motivation Transformation	216
		<u>Yukiko Yamagichi</u> Okayama College, Japan	Effects of early childhood experience on the subsequent preference for wild animals	154
		<u>Azusa Yoshimatsu</u> ¹ , Masahiko Tokuda ² , Yuka Kogo ³ , Yutaka Narita ⁴ , Junichi Harada ⁴ ¹ Meiji University, Japan. ² Osaka University of Health and Sport Sciences, Japan. ³ Tsukuba University of Technology, Japan. ⁴ the Japan Outdoor Network, Japan	The Effect of Nature Experience Programs as Single Parent Family Support on Parental Resilience	67
<u>Masako Harigaya</u> Meiji University, PVO to Support Deaf and Hard of Hearing Children's Experiential Activities, Japan	The Significance of Experiencing Camps with Non-hearing-impaired Children for Deaf Children and Hearing-impaired Children — An Analysis of Interviews using Sign Language with Deaf and Hearing-impaired Children, and of Observational Records of Children and Staff —	204		
Jonah D'Angelo ¹ , <u>Stephen Ritchie</u> ¹ , Simon Priest ² , Bruce Oddson ¹ , Daniel Scott ¹ ¹ Laurentian University, Canada. ² Canadian Outdoor Therapy and Healthcare Research Collaboratory, Canada	Exploring the Significance of Early Life Outdoor Experiences: A Scoping Review of Retrospective Outdoor Methods	182		
18:00~		Tokyo night		

Wednesday, 6, March, 2024

08:45-09:15	International Conference Room	Morning Information			
09:20-11:00	Research Presentation Session IV				
	Meeting Room 1	Mary Breunig	<p><u>Heidi Smith</u>¹, Sabrina Stein²</p> <p>¹University of Edinburgh, United Kingdom. ²Universitat Innsbruck, Austria</p>	The intersections of outdoor environmental education and peace studies/education: Collaboration, conflict and communication	136
			<p><u>Jan Arvidsen</u>¹, Mathilde Skov Kristensen², Trine Top Klein-Wengel³, Rasmus Vestergaard Andersen¹</p> <p>¹Active Living, University of Southern Denmark, Denmark. ²Centre for research in Sport, Health and Civil Society, University of Southern Denmark, Denmark. ³Research and Implementation Centre for Human Movement and Learning, University of Southern Denmark, Denmark</p>	Recreation conflicts in urban forest	112
			<p><u>Mary Breunig</u></p> <p>California State University-Sacramento, USA</p>	Exploring a Vision of the World that Could Be: Moving from Rhetoric to Transformative Social and Environmental Action	66
	Meeting Room 2	Masahiro Okada	<p><u>Helen Cooper</u>¹, Tonia Gray¹, Stuart Clarke², Christina Curry¹, Jacqueline Ullman¹, Vanessa Petersen²</p> <p>¹Western Sydney University, Australia. ²Pymble Ladies College, Australia</p>	Watch Us Change The World: Examining the impacts of an experiential outdoor learning program on Year 9 Australian young women	89
			<p><u>Malcolm Nicolson</u></p> <p>Somers School Camp, Australia</p>	Perspectives on curriculum: how various traditions of curriculum have an impact on the enactment of residential outdoor education programmes.	55
	Reception Hall 1	Mark Leather	<p><u>Hatsuho Kinjo</u></p> <p>Sophia University, Japan</p>	Place and Community-Based Education in Japan-Rethinking the Locally-focused Environmental Education Through the Lens of PCBE	98
			<p><u>Marie-Claude Beaudry</u>, Jean-Philippe Ayotte-Beaudet</p> <p>Université de Sherbrooke, Canada</p>	Choosing relevant environments for outdoor science learning situations: K-6 teachers' criteria	75
			<p><u>Gunnar Þór Jóhannesson</u>¹, Jakob Frímánn Thorsteinsson², Beth Christie³</p> <p>¹University of Iceland, Iceland. ² University of Iceland, Iceland. ³ University of Edinburgh, United Kingdom</p>	Navigating the Icelandic Discourse of Outdoor Education	180
	Reception Hall 3	Susanna Ho	<p><u>Jan Neville</u>¹, Lauren Petrass¹, Scott Polley², Catherine Oxworth¹</p> <p>¹Federation University Australia, Australia. ²University of South Australia, Australia</p>	Developing a teacher identity in the outdoor education context: A systematic review of the literature	104
			<p>Youyan Nie¹, Bee Leng Chua¹, <u>Susanna Ho</u>², Yvonne Bee Gek Seng¹, stefanie Chye¹, Rebecca Ang³</p> <p>¹National Institute of Education, Nanyang Technological University, Singapore. ²Ministry of Education, Singapore. ³National Institute of Education, Nanyang Technological University., Singapore</p>	Development and validation of an instrument to measure outcomes for outdoor adventure education in Singapore.	166
			<p><u>Yuka Kogo</u>¹, Fumiaki Harimoto²</p> <p>¹Tsukuba University of Technology, Japan. ²Okinawa Prefectural University of Arts, Japan</p>	A Systematic Review of Adventure Education Research in Japan	106

Research Presentation Session V					
11:30-12:35	Meeting Room 1	<u>Soumya Mitra</u> ¹ , Denise Mitten ² ¹ Prescott College, India. ² Prescott College, USA	Retaining Indigenous voices and diversity in India—an examination of dominant narratives in outdoor education	142	
	Denise Mitten	<u>Toshiharu Yanagi</u> Kobe Tokiwa University, Japan	Achievements of Tetsuo Sakai who gave dreams and hopes to young people in Japan, Asia, and around the world through marine camps and outdoor education - Through Japan YMCA Alliance, the YMCA Anan International Ocean Center (Camp Anan), National Institute of Fitness and Sports (NIFS), and National Camping Association Japan (NCAJ) -	152	
	Meeting Room 2	<u>Chris North</u> ¹ , Marg Cosgriff ² , David Irwin ³ , Allen Hill ³ , Mike Boyes ⁴ , Sophie Watson ⁵ ¹ University of Canterbury, New Zealand. ² University of Waikato, New Zealand. ³ ARA Institute of Canterbury, New Zealand. ⁴ University of Otago, New Zealand. ⁵ Education Outdoors New Zealand, New Zealand	Health and Safety Legislation and Education Outside the Classroom: Perspectives of school leaders and teachers	85	
		Chris North	<u>Mads Bølling</u> ^{1,2} , Peter Elsborg ¹ , Anna Stage ^{1,3} , Michelle Stahlhut ¹ , Lærke Mygind ¹ , Paulina S. Melby ^{4,1} , Karen S. Barfod ² , Thea Toft Amholt ¹ , Neromie Fernando ² , Annamaria Ventura ^{5,1} , Silje Mikkelsen ¹ , Alberte Laura Oest Müllertz ¹ , Camilla Roed Otte ⁶ , Jan Christian Brønd ⁴ , Charlotte Demant Klinker ⁷ , Mette Aadahl ¹ , Glen Nielsen ³ , Peter Bentsen ^{1,8} ¹ Copenhagen University Hospital – Bispebjerg and Frederiksberg, the Capital Region of Denmark, Copenhagen, Denmark. ² VIA University College, Denmark. ³ University of Copenhagen, Denmark. ⁴ University of Southern Denmark, Odense, Denmark. ⁵ University of Bari “Aldo Moro”, Bari, Italy. ⁶ Garden to Bellies (Haver til Maver), Copenhagen, Denmark. ⁷ Health Promotion Research, Steno Diabetes Center Copenhagen, the Capital Region of Denmark, Gentofte, Denmark. ⁸ University of Copenhagen, Copenhagen, Denmark	Exploring the Interplay of Three Danish Research Initiatives on Education Outside the Classroom: Findings and Future Directions	160
	Reception Hall 1	<u>Fiona Nicholls</u> Plymouth Marjon University, United Kingdom	“Why don’t they remember the dolphins?” - A critical examination of learning outside the 'comfort zone'	41	
	Søren Andkjær	<u>Loren Miller</u> ¹ , Fiona Nicholls ² ¹ Outward Bound Australia, Australia. ² Plymouth Marjon University, United Kingdom	Beyond our comfort zone: Evolving Outward Bound in Australia	46	
	Reception Hall 3	<u>David Hills</u> ¹ , Imre van Kraalingen ² , Glyn Thomas ³ ¹ Griffith University, Australia. ² Norwegian School of Sport Sciences, Norway. ³ University of the Sunshine Coast, Australia	Presence and Technology in Outdoor Education	124	
	David Hills	<u>Imre van Kraalingen</u> Norwegian School of Sport Sciences, Norway	Perspectives on Teaching and Learning with Mobile Technology in Outdoor Studies	80	
	12:35-13:50		Lunch		
	14:00~		Excursions		

Thursday, 7, March, 2024

08:45-09:15	International Conference Room	Morning Information		
09:20-11:00	Research Presentation Session VI			
	Meeting Room 1	<u>Adiv Gal</u> Kibbutzim College of Education Technology and the Arts, Israel	Strengths, Weaknesses, Opportunities and Threats: A SWOT Analysis of a Long-term Outdoor Environmental Education Program in Israel	56
		<u>Helene Illeris</u> University of Agder, Norway	WE become FOREST become WE. Aesthetic Learning Processes in Outdoor Education.	133
	Pat Maher	<u>Polly Knowlton Cockett</u> ^{1,2} , <u>Andrea Welz</u> ³ , <u>Vivian Wood-Alexander</u> ⁴ ¹ University of Calgary Werklund School of Education, Canada. ² Grassroutes Ethnoecological Association, Alberta, Canada. ³ Wild Roots: Nature-based Early Childhood Family Collaborative, Ontario, Canada. ⁴ Lakehead Public School Board, Ontario, Canada	Wild Pedagogies: Exploring "Nature as Co-Teacher" in Outdoor Education through Early Childhood, Ecoart, and Teacher Education Programs	123
	Meeting Room 2	<u>Chloe Paul</u> Plymouth Marjon University, United Kingdom	From Grief to Relief: An autoethnography in making meaning of abortion through embodied experiences of climbing.	50
		<u>Millie Chaston</u> Plymouth Marjon University, United Kingdom	Intersectionality and Outdoor Education in the UK: examining the landscape	40
	Takako Takano	<u>Shannon McNatty</u> University of Otago, New Zealand	The lasting impact of empowering outdoor education on adolescent girls' identity and wellbeing	52
	Reception Hall 1	<u>Dorte Stokholm</u> , Niels Ejbye-Ernst VIA University College, Denmark	Emergent Science in Danish Kindergartens' Outdoor Life: Young Children's Perspectives and Explanations	155
		<u>Takeshi Takeda</u> Miyagi Gakuin Women's University, Japan	Research on practical methods of outdoor education for Japanese preschool	186
	Michael Paulsen	<u>Arnon Ben Israel</u> , Maayan Fux, Nadav Kushnir Kaye Academic College of Education, Israel	"A successful journey never ends" - a journey course held in the deep Negev desert, as a generator of self-development and growth among students studying teacher education.	82
	Reception Hall 3	<u>Glyn Thomas</u> , Brendon Munge, Robyn Fox University of the Sunshine Coast, Australia	Near Peer Teaching: Transformational learning for all	77
		<u>Yuko Kamisaka</u> Faculty of education, arts and sports , Western Norway University of Applied Sciences, Norway	Norwegian student teachers' use of theories and reflections in their theses about outdoor education	134
	Glyn Thomas	<u>Mark Leather</u> , George Katsogridakis Plymouth Marjon University, United Kingdom	Teacher-student relationships in Higher Education: Reflections from an Outdoor Adventure Education degree	24

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11:30-12:35	Meeting Room 1	<u>Jason Little</u> Middlebury Institute of International Studies, USA	Evaluation Guide -- A new community-based program for Shady Creek (Northern California)	63
	Sean Blenkinsop	<u>Sean Blenkinsop</u> ¹ , Linda Wilhelmsson ² ¹ Simon Fraser University, Canada. ² Mittuniversitetet (Mid-Sweden University), Sweden	The 4C's: Outdoor Education for eco-social-cultural change	29
	Meeting Room 2	<u>Chisato Endo</u> Tokoha University Junior College, Japan	Camping for young children : The significance of lodging in the outdoors	115
	Heidi Smith	<u>Niels Ejbye-Ernst</u> , Dorte Stokholm VIA University college, Denmark	Nature kindergartens in Denmark. Development, importance and perspectives	68
	Reception Hall 1	<u>Alessandro Bortolotti</u> The University of Bologna, Italy	Teaching, learning, and play in the outdoors: a survey of school and pre-school provision in the North of Italy.	198
	Tonia Gray	<u>Alexandra Harper</u> , Tonia Gray, Susan Hespos Western Sydney University, Australia	Investigating the impact of a nature play intervention on six-year-old students' wellbeing and school engagement	213
	Reception Hall 3	<u>Flossy Barraud</u> ^{1,2} , Aminath Zoona ³ ¹ Manta Trust, United Kingdom. ² University of Plymouth, United Kingdom. ³ Salted Ventures Swimmers, Maldives	"We didn't get many opportunities to go outside and explore like boys do": Exploring and improving women and girls' access to ocean recreation and associated environmental, socio-economic and educational opportunities in the Maldives.	39
	Masako Harigaya	<u>Siv Lund</u> , Marc Esser-Noethlichs Oslo Metropolitan University (OsloMet), Norway	Managing Uncertainty through Core Reflection in Outdoor Education: The Context of Outdoor Swimming and Lifesaving.	212
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Research Presentation Session VIII				
13:50-15:30	Meeting Room 1	<u>Kathrin Paal</u> University of Plymouth, United Kingdom	“The leaves are bit poorly” - exploring preschoolers’ feelings and actions towards nature	71
		<u>Philippa Morse</u> La Trobe University, Australia	Pedagogies of ecological imagination: Thinking with posthuman concepts in outdoor environmental education	170
	Kazushi Maeta	<u>Verity Howell</u> University of Cumbria, United Kingdom	The Feminisation of Nature: dualisms, domination and destruction	57
		<u>Yuko Miki</u> The University of Tokyo Doctoral Program, Japan	Focusing on "Place": The Relationship between Kobe Citizens and the Rokko Mountain Range.	195
	Meeting Room 2	<u>Tomas Aylward</u> Munster Technological University, Ireland	Finding a Sense-of-Place on the edge of Europe: The connection between Irish people and the Outdoors in Ireland.	177
		<u>Victor Elderton</u> Simon Fraser University, Canada	Metaphors of Place: Teaching & Learning for Place and Nature-based Environmental Experiential Educators	183
	Reception Hall 1	<u>Jørgen Eriksen</u> , Jannicke Høyem Norwegian School of Sport Sciences, Norway	Personal Development Plan – The path towards skill development and lifelong learning in outdoor education?	211
		<u>Mark Leather</u> ¹ , TA Loeffler ² ¹ Plymouth Marjon University, United Kingdom. ² Memorial University Newfoundland, Canada	Exploring the Pedagogical Benefits of Visualising Seascapes in Higher Education	23
	TA Loeffler	<u>Yomogida Takamasa</u> Faculty of Budo and Sport Studies, Tenri University, Japan	Introducing ASE (Action Socialization Experience) to promote self-regulated learning strategies in university physical education in the context of liberal education	127
	Reception Hall 3	<u>Gabriela Quintela Do Carmo</u> ¹ , Jean-Philippe Ayotte-Beaudet ¹ , Cathy Jordan ^{2,3} ¹ University of Sherbrooke, Canada. ² University of Minnesota, USA. ³ Children & Nature Network, USA	A systematic review of the impacts of nature exposure on the nervous system: Implications for nature-based learning	92
		<u>Yuka Kogo</u> ¹ , Yukinori Nakajima ¹ , Akane Otomo ² , Kazunori Kogo ³ ¹ Tsukuba University of Technology, Japan. ² University of Tsukuba, Japan. ³ Tsukuba International University, Japan	Study on instruction of snow sports for hearing-impaired students	169
	Barbara Humberstone	<u>Barbara Humberstone</u> ^{1,2,3} , Geoff Cooper ³ , Di Collins ³ ¹ Plymouth Marjon, United Kingdom. ² Buckinghamshire New University, United Kingdom. ³ Institute for Outdoor Learning, United Kingdom	Being and becoming in the outdoors-narratives of outdoor education enthusiasts.	185

Research Presentation Session IX				
16:00-17:05	Meeting Room 1	<u>Marianne Singsaas</u> ¹ , Jenny F. Gronn ¹ , Vegard Gundersen ² ¹ Telemark Research Institution, Norway. ² Norwegian Institute for Nature Research, Norway	Taking a lesson from the Norwegian anti-cabin protests: Managing cabin visitors and their impacts on local nature-based practices in rural municipalities	179
	Chris North	<u>Selima Negro</u> ¹ , Darren Quek ² ¹ Pedagogia del bosco Ricerca e formazione, Italy. ² Forest School Singapore, Singapore	Place based Forest School: An international comparative study in Singapore and Italy.	137
	Meeting Room 2	<u>Christian Mercure</u> Université Laval, Canada. Université du Québec à Chicoutimi, Canada	Contextual elements contributing to learning in outdoor intervention programs: a look inside the black box.	158
	Hiroshi Hamatani	<u>Hiroshi Hamatani</u> Hokkaido University of Education Iwamizawa, Japan	Mountaineers' perceptions of "Higuma" brown bear in Hokkaido	84
	Reception Hall 1	<u>Helga Aadland</u> , Marit Kuliild, Gunhild Rolfsnes Western Norway University of Applied Sciences, Norway	The complexity and simplicity of interdisciplinary teaching outdoor	149
	Søren Andkjær	<u>Søren Andkjær</u> ¹ , Søren Præstholt ² , Karen Barfoed ³ , Niels Ejbye-Ernst ³ ¹ University of Southern Denmark, Denmark. ² University of Copenhagen, Denmark. ³ VIA University College, Aarhus, Denmark, Denmark	Nature experiences and active outdoor life in after school clubs?Evaluating research founded program and targeted projects aiming to bring kids out	70
	Reception Hall 3	<u>Judith Blaine</u> ^{1,2} , Bacon Chan ³ ¹ University of Hong Kong, Hong Kong. ² Odyssey, Hong Kong. ³ Outward Bound, Hong Kong	Walking your Why: Exploring the personal, social and environmental outcomes of an Outward-Bound Experience for adolescents in Hong Kong	53
	Mark Leather	<u>Yuma Akaho</u> Japan Advanced Institute of Science and Technology, Japan	Investigation of behavioral characteristics of adventure tourists: focusing on the transformation from consumer to cross-boundary learner.	31
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18:15-20:30	Reception Hall	Farewell party		

Friday, 8, March, 2024

08:45-09:15	International Conference Room	Morning Information			
Research Presentation Session X					
Meeting Room 1		<p><u>Jonas Mikael</u>¹, Mikael Quennerstedt¹, Erik Backman² ¹The Swedish School of Sport and Health Sciences (GIH), Sweden. ²Dalarna University, Sweden</p>	Healthier planet, healthier people: exploring the salutogenic model's insight into outdoor activities and health	150	
		Stephen Ritchie	<p><u>Stephen Ritchie</u>¹, Jonah D'Angelo², Gian De Feo¹, Takako Takano³, Simon Priest⁴ ¹Laurentian University, Canada. ²Laurentian University, Canada. ³Waseda University, Japan. ⁴Independent Retired Scholar, Canada</p>	The Transdisciplinary Case for Ecohealth Promotion in Outdoor Learning	163
			<p><u>Takako Takano</u> Waseda University, Japan</p>	Exploring the ecohealth - Insights from Shugendo Practices	199
Meeting Room 2		<p><u>Helene Illeris</u>¹, Tormod Wallem Anundsen¹, Anne-May Risholt Fosnes² ¹University of Agder, Norway. ²independent artist, Norway</p>	Learning with the Land. Experimenting with a/r/tographic fieldwork in/with a landscape in Southern Norway	135	
		David Hills	<p><u>Toyoshi Sasaki</u>¹, <u>Kimiharu To</u>¹, David Fitzgerald² ¹Aomori University, Japan. ²Harrow International School Appi, Japan</p>	Igloo Building Programs as a Key Outdoor Education Program for Cold, Snowy Regions	209
<p><u>Shinji Murai</u>¹, Misa Suehara², Toshiharu Yanagi³ ¹Tamagawa Adventure Program, Tamagawa University, Japan. ²Office for Youth Education, Community Learning Promotion Division, Education Policy Bureau Ministry of Education, Culture, Sports, Science and Technology, Japan. ³Kobe Tokiwa University, Japan</p>	The learning impact of 'the land' on places and people — Aso, Kumamoto Prefecture, focusing on the facilities and people nurtured by the 'caldera'—		105		
Reception Hall 1		<p><u>Ioanna G. Skaltsa</u>¹, Alex Koutsouris¹, Jakob Frimann Þorsteinsson², Clara Vasconcelos^{3,4} ¹Agricultural University of Athens (AUA), Athens, Greece. ²School of Education University of Iceland, Iceland. ³Interdisciplinary Centre of Marine and Environmental Research (CIIMAR), Portugal. ⁴University of Porto, 4169-007 Porto, Portugal, Portugal</p>	Embracing Nature: Empowering Higher Education Students' Nature Connectedness through Participatory Activities in three European countries.	90	
		Barbara Humberstone	<p><u>Rich Mitchell</u>, Cameron Sprague Stramash Social Enterprise, United Kingdom</p>	Defining and assessing the success of outdoor leadership courses developed for early years practitioners.	120
			<p><u>Judith Blaine</u> Rhodes University, South Africa</p>	A Journey into the Future: A retrospective study on the long-term outcomes of Outdoor Education	30
Reception Hall 3		<p><u>Célia Kingsbury</u>^{1,2,3}, François Bissonnette⁴, Paquito Bernard^{4,3} ¹École de santé publique de l'Université de Montréal, Canada. ²Centre de recherche de santé publique (CRéSP), Canada. ³Centre de recherche de l'Institut universitaire en santé mentale de Montréal, Canada. ⁴Université du Québec à Montréal, Canada</p>	An after-school program to increase sustainable active transportation use in marginalized youth : Evaluation of the "Build your own bicycle" project	28	
		Glyn Thomas	<p><u>Hitoshi Watanabe</u>¹, Shinya Tabei², Tatsuki Takahashi¹ ¹University of Tsukuba, Japan. ²General Incorporated Association Tabei Junko Foundation, Japan</p>	Effects of Climbing Mt. Fuji as a Group Mountaineering Program on Self-Esteem of Japanese High School Students.	205
			<p><u>Kim Champagne</u>¹, Virginie Gargano² ¹Université de Montréal, Canada. ²Université de Laval, Canada</p>	Crossing my dependency: Qualitative evaluation of an adventure therapy expedition program for youths with addiction problems	101

Research Presentation Session XI				
11:30-12:35	Meeting Room 1	<u>Michael Paulsen</u> University of Southern Denmark, Denmark	Towards Life-friendly Education – Beyond In/Out	165
	Pat Maher	<u>Tegwen Gadais</u> ¹ , Paquito Bernard ¹ , Brice Favier-Ambrosini ² ¹ Université du Québec à Montréal, Canada. ² Université du Québec à Chicoutimi, Canada	Climate change vs Sport, Physical activity and Physical Education: links, consequences and solutions	25
	Meeting Room 2	<u>Karen Barfod</u> ^{1,2} , Mads Bølling ^{1,3,2} ¹ VIA University College, Denmark. ² UdeskoleNet, Denmark. ³ Center for Clinical Research and Prevention, Denmark	The role of Professional Networks as Incubator for Outdoor teaching - From Grassroots to national impact	27
	Simon Beames	<u>Simon Beames</u> Norwegian School of Sport Sciences, Norway	Norwegian friluftsliv: The almost nearly perfect concept	130
	Reception Hall 1	<u>Lewis Stockwell</u> University of Hertfordshire, United Kingdom. University of Edinburgh, United Kingdom	Aesthetic Educational Journeying: Canoe Conversations and Philosophical Analysis	81
	Marcus Morse	<u>Scott Jukes</u> ¹ , Marcus Morse ² , Philippa Morse ³ ¹ Federation University, Australia. ² University of Tasmania, Australia. ³ La Trobe University, Australia	Thinking with rivers: Thinking through environs	168
	Reception Hall 3	<u>Jakob Frímann Thorsteinsson</u> ¹ , Beth Christie ² ¹ University of Iceland, Iceland. ² University of Edinburgh, United Kingdom	Cutting a path: Exploring the affordance of Outdoor Education in Iceland	176
	Patrick Daigle	<u>Patrick Daigle</u> , Tegwen Gadais Université du Québec à Montréal, Canada	Portrait of outdoor education initiatives in higher education in the province of Quebec	64
12:35-13:30		Lunch		
13:30-14:30	International Conference Room	Closing ceremony		