

WORLD ENVIRONMENTAL EDUCATION CONGRESS
8TH WEEC Planet and People
- how can they develop together?

GOTHENBURG JUN 29 - JUL 2 2015

Content

Welcome to WEEC2015	1
Practicalities	2
Programme overview	4
Plenary programme	5
Parallel programme	10
Poster sessions	20
Complementary programme	21

Hosts

The host for this Congress is the Centre for Environment and Sustainability, GMV, at Chalmers University of Technology and University of Gothenburg.

Chalmers University of Technology in Gothenburg conducts research and education on a broad front within technology, natural sciences, architecture and shipping, and in close contact with external bodies. Our inspiration derives from the pleasure of discovering and the desire to learn. The aim is to make an active contribution to sustainable community development, both nationally and internationally. Development and renewal has characterised operations from the very beginning in 1829, completely in accordance with the motto of the founder William Chalmers: Avancez!

The University of Gothenburg tackles society's challenges with diverse knowledge. 37 000 students and 6 000 employees make the University a large and inspiring place to work and study, with a continuous flow of new knowledge and ideas. Strong research and attractive study programmes attract scientists and students from around the world. The University of Gothenburg is environmentally certified and works actively for sustainable development. With new knowledge and new perspectives, the University contributes to a better future.

The Centre for Environment and Sustainability (GMV) in Gothenburg, Sweden is a network organisation maintained by Chalmers University of Technology and the University of Gothenburg, which promotes research, education and capacity building for sustainable development. GMV has established a platform that supports interdisciplinary research projects for researchers at Chalmers University of Technology and University of Gothenburg. The GMV research network has around 500 members from all faculties at both universities.



UNIVERSITY OF GOTHENBURG



Co-organizers:

WEEC Permanent Secretariat and MCI Scandinavia AB.

Welcome to WEEC2015

With environmental and sustainability challenges more pressing and intertwined than ever, the role of education, learning and capacity-building must be strengthened. 2015 marks the first year after the Decade of Education for Sustainable Development but also the year in which the Sustainable Development Goals will take shape and as such demarcates the beginning of a new period during which humanity must find ways to overcome, what we might call, global systemic dysfunction. You are here in Gothenburg as part of a global community seeking to develop learning-based pathways for change and transformation towards a world where people and planet can live together in harmony, now and in the future. This congress is a great opportunity for us, for Gothenburg and for all participants to debate, design and evaluate current and future Environmental and Sustainability Education.

We are delighted that, after well over a year of preparations by a very dedicated and capable organizing team, you are here at last!

We hope you will take full advantage of each other's presence and insights and that your 'ecological handprints' - the ideas you take home with you and the actions they will lead to - will be greater than the ecological footprint that you will inevitably create by traveling to Gothenburg. We also hope that you will develop a 'sense of place' in-between sessions by trying to connect with the city of Gothenburg, its history, its many cultures and the beauty of the natural landscapes that are omnipresent in the urban, peri-urban, rural and marine environments to which the city is intimately connected.

So a big welcome to all of you! We look forward to your active participation in WEEC2015!

Yours sincerely,
Arjen Wals and Ingrid Pramling Samuelsson, Co-Chairs WEEC2015



facebook.com/pages/WEEC-2015



twitter.com/WEEC2015

[#WEEC2015](https://twitter.com/WEEC2015)

Visit Götaplatsen and vow your sustainability action. What change will you make in everyday life for a sustainable future? Take a picture where you present your vow and share in social media: #greenhackgbg #WEEC2015

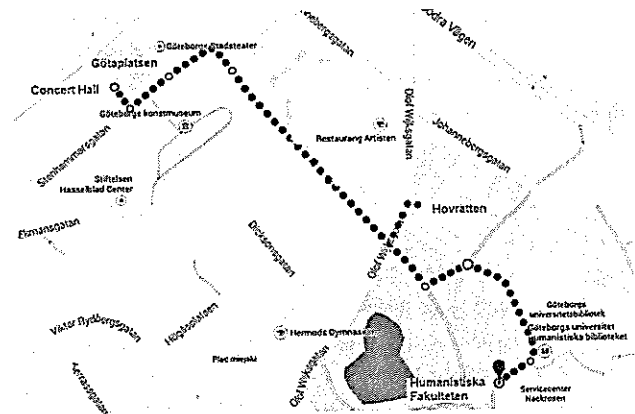
Practicalities

Venue

The Congress will be held in three buildings: the Concert Hall, Humanisten and Hovrätten. In the Concert Hall there will be plenary sessions, poster sessions, exhibitions, lunch and coffee. In Humanisten and Hovrätten there will be parallel sessions, the NGO Forum and art exhibitions. The buildings are within walking distance of each other.

The Concert Hall Götaplatsen, 412 56 Gothenburg
 Humanisten Renströmsgatan 6, 412 55 Gothenburg
 Hovrätten Olof Wijksgatan 6, 412 55 Gothenburg

Walking path



Registration and information

The registration/information desk and a tourist information desk can be found in the entrance of the Concert Hall. Carrying the name badge is mandatory for all participants. No one will be allowed admission to sessions, exhibitor area or social events without a badge.

Registration/information desk opening hours

Monday 29 June: 09:00 - 18:00
 Tuesday 30 June: 08:00 - 18:00
 Wednesday 1 July: 08:00 - 17:00
 Thursday 2 July: 08:00 - 13:00

Tourist information desk opening hours

Monday 29 June: 09:30 - 13:30
 Tuesday 30 June: 10:30 - 13:30

A cloakroom will be open every day in the Concert Hall. Monday 29 June (15:30 - 18:30) and Thursday 2 July (08:15 - 10:30) there will be a cloakroom in Humanisten, room C361

Security information

In Case of Emergency: Call 112 for the police, the ambulance or the fire brigade.

Please inform yourself of the closest emergency exit. If an emergency occurs in the Concert Hall, please follow advice from the Concert Hall staff.

Please be aware of pick-pockets at all times. Luggage and jackets can be left in the cloakroom in the Concert Hall and in Humanisten.

The WEEC2015 Secretariat and Organizers will not accept liability for personal injury or loss/damage to property/belongings of participants or accompanying persons, before, during or following the congress, tours or their stay in Gothenburg. It is therefore recommended that participants arrange their own personal health, accident and travel insurance.

WiFi

There is WiFi possibilities in the congress venues. In Humanisten and Hovrätten you can login to the eduroam WiFi network. If you do not have an eduroam login, please use the temporary login below. As a courtesy to presenters use it wisely during sessions!

Temporary login

Network: eduroam
User id: guw2003@gu.se
Password: mab7*MAW

If you need a computer in order to read the programme, there are computers available in the Concert Hall and in room D212 in Humanisten.

Water

WEEC2015 is tap water certified! You have all received a water bottle to refill with fresh tap water.



Congress language

The Congress languages are English, French and Spanish. Provision has been made for simultaneous interpretation from English into French and Spanish for the plenary sessions. Parallel sessions are given in all three languages, please check the session title to know the language of the session.

Transportation in Gothenburg

You can easily explore Gothenburg by foot as almost everything is found within walking distance. We would also like to encourage the use of the public bikes "Styr & Ställ", please read more at en.goteborgbikes.se

Public transport

Gothenburg's tram, bus and ferry system is well developed. The same ticket applies for trams, buses and ferries. For more information please visit www.goteborg.com or www.vasttrafik.se

Media and press

In the Concert Hall building there is a press-centre for accredited press.

Programme overview



	Sunday 28 June	Monday 29 June	Tuesday 30 June	Wednesday 1 July	Thursday 2 July	Friday 3 July	
08:30-9:00		Registration opens at 09:00 Pre-meetings	Parallel sessions	Parallel sessions	Parallel sessions	Post-meetings Excursion	
09:00-09:30							
09:30-10:00							
10:00-10:30				Coffee break	Coffee break		
10:30-11:00				Plenary	Plenary		Closing Plenary
11:00-11:30							
11:30-12:00				Lunch break	Lunch break		
12:00-12:30							
12:30-13:00							
13:00-13:30							
13:30-14:00	Pre-meetings	Opening Plenary	Parallel sessions	Parallel sessions	Post-meetings Excursion		
14:00-14:30							
14:30-15:00							
15:00-15:30		Coffee break	Coffee break	Coffee break			
15:30-16:00							
16:00-16:30		Parallel sessions	Plenary	Plenary			
16:30-17:00							
17:00-17:30		Plenary					
17:30-18:00							
Evening		City Reception		Congress Dinner			

Please note that the programme may be subject to change. Visit www.weec2015.org for latest version.

Plenary programme

The Plenary Sessions take place in the Concert Hall.

Monday 29 June

13:30 - 15:30 Opening Plenary Session

Moderator: Katarina Gårdfeldt, Director of the Centre for Environment and Sustainability, GMV, at University of Gothenburg and Chalmers University of Technology, Sweden



Ingrid Pramling Samuelsson
Professor at University of Gothenburg,
Sweden, and WEEC2015 co-chair

Welcome



Mario Salomone
Assistant Professor at the University of
Bergamo, Italy, and WEEC Secretary General

Secretary -Generals' greetings



Pam Fredman
Professor and Vice-chancellor of
University of Gothenburg, Sweden

Welcome



John Holmberg
Professor and Vice President for
Chalmers University of Technology, Sweden

*The role of Universities in the transition
towards sustainability*



Irina Bokova
Director-General of UNESCO

Video Message Intro Note



Achim Steiner
UNEP Executive Director and
Under-Secretary-General of the United Nations

Video Message Intro Note

Moderator: Stephen Sterling, Professor of Sustainability Education, Plymouth University, UK



Arjen Wals
Professor at Wageningen University,
Netherlands, and at University of Gothenburg,
Sweden, and WEEC2015 co-chair

*Transformative Learning in Vital Coalitions
for Socio-Ecological Sustainability*

Tuesday 30 June

11:00 - 12:00 Plenary Session

Moderator: Mónika Réti, Hungarian Institute for Educational Research and Development, Hungary



John Siraj-Blatchford

Honorary Professor at Plymouth University, UK
Early Childhood Care and Education for Sustainable Development (ECCESD)



Pete Milne *

Environmental Education Consultant/Trainer, over 20 years of international teaching experience, UK/UAE
Turning Waste into Treasure: A Child's Perspective on Looking after Planet Earth

16:00 - 17:00 Plenary Session

Moderator: Akpezi Ogbuigwe, Reader at Rivers State University of Science and Technology and Founder, ANPEZ Center for Environment and Development, Nigeria.



Mirian Vilela

Executive Director of the Earth Charter International Center on ESD at the University for Peace, Costa Rica
The power of Dialogue, Visioning and Collaboration: an Earth Charter experience of Teaching and Learning



Marianne Krasny *

Professor and Director of the Civic Ecology Lab at Cornell University, USA
Can People and the Planet Develop Together?

*Winner of the 'Who wants to be a keynote at WEEC2015?' Contest

17:00 - 18:00 Plenary Session

Panel Discussion: *The Global Action Programme on ESD – Global, Regional and National Perspectives.*
“Everything you’d wish to know about the GAP but were reluctant to ask!”

Moderator: David O. Kronlid, Research leader SWEDESD, Sweden

Organizers: Ministry of the Environment and Energy, Sida, Swedish National Commission for UNESCO, Swedish Society for Nature Conservation, SWEDESD, WWF Sweden, UHR/The Global School

Panelists:



Alexander Leicht

Chief, Section of Education for Sustainable Development, UNESCO in France
The GAP, what is it and where is it now?



Kazuhiko Takemoto

Director of the United Nations University Institute for the Advanced Study of Sustainability (UNU-IAS), Japan
Global Strategies for implementing GAP – What can universities and RCEs do with and for the GAP?



Sylvia Utete

Permanent Secretary, Ministry of Primary and Secondary Education, Zimbabwe
What can countries do for implementing the GAP? The case of Southern Africa.



Uranchimeg Tserendorj

Senior officer, Ministry of Environment, Green Development and Tourism of Mongolia
What can countries do for implementing the GAP? The case of Mongolia.



Lisa Emelia Svensson

Dr and Ambassador for Ocean and Seas in Sweden
What is Sweden doing for and with the GAP?

Wednesday 1 July

11:00 - 12:00 Plenary Session

Moderator: Machtelijn Brummel, senior policy-advisor, in the Dutch program
"Learning for Sustainable Development" – Duurzaam Door, Netherlands



Victoria Wyszynski Thoresen

Associate Professor and Director of the Partnership for Education and Research about Responsible Living at Hedmark University College, UNESCO Chair for Education for Sustainable Lifestyles, Norway

Moving into higher gear - Expanding Environment and Sustainability in Education using a Lifestyle Approach

16:00 - 17:00 Plenary Session

Moderator: Peter Blaze Corcoran, Professor of Environmental Studies and Environmental Education and Director of the Center for Environmental and Sustainability Education at Florida Gulf Coast University, USA



Heila Lotz-Sisitka

Professor and Chair of Environmental Education, and Director of the Centre for Postgraduate Studies at Rhodes University, South Africa

'With people and planet in mind' – Expanding human activity for sustainability and equity through transgressive learning and social change

Thursday 2 July

10:30 - 12:30 Closing Plenary Session

Panel Discussion and Conclusions: *A Decade has ended. What was planted? What still needs planting and cultivating? And what may need uprooting?*

Session Moderator: Rebecka Hallén, Project Manager WEEC2015, Centre for Environment and Sustainability, GMV, at University of Gothenburg and Chalmers University of Technology, Sweden

Panel Moderator: Frans Lenglet, Former Director of SWEDES, Sweden

Panelists:



Alexander Leicht

Chief, Section of Education for Sustainable Development, UNESCO in France



Mahesh Pradhan

Chief of UNEP's Environmental Education and Training Unit (EETU) in Kenya



Judy Braus

President of North American Association for Environmental Education (NAAEE), USA



Kartikeya Sarabhai

Director of CEE, India



Oluwafunmilayo Oyatogun

Founder of Wahamba (formerly Bailiff Africa), Nigeria



Ingrid Moun Rieser

Course Coordinator at Centre for Environment and Development Studies (CEMUS) at Uppsala University, Sweden, and the Swedish University of Agricultural Sciences (SLU), Swedish Youth Representative at the DESD conference in Nagoya

Next Congress: Mario Salomone and the next WEEC organizer

Final Remarks: Arjen Wals and Ingrid Pramling Samuelsson

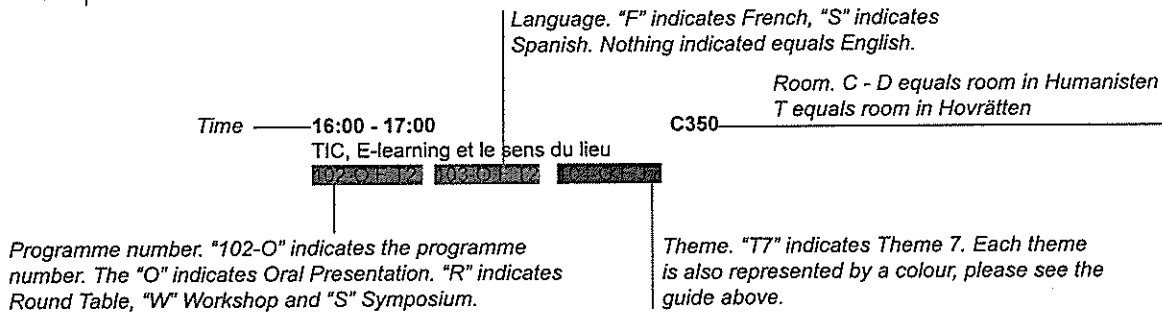
Parallel programme

Themes

- 1 Taking Children seriously in addressing global challenges
- 2 Reclaiming sense of place in the digital age
- 3 Environmental education and poverty reduction
- 4 Learning in vital coalitions for green cities
- 5 (Re) emerging concepts for environmental stewardship and sustainability
- 6 Mind the gap! Moving from awareness to action
- 7 Assessing environmental and sustainability education in times of accountability
- 8 Beyond the green economy: educating and learning for green jobs in a green society
- 9 New perspectives on research in environmental and sustainability education
- 10 Educational policy development for environment and sustainability
- 11 Education and learning for climate change adaptation and resilience

Programme information

Example

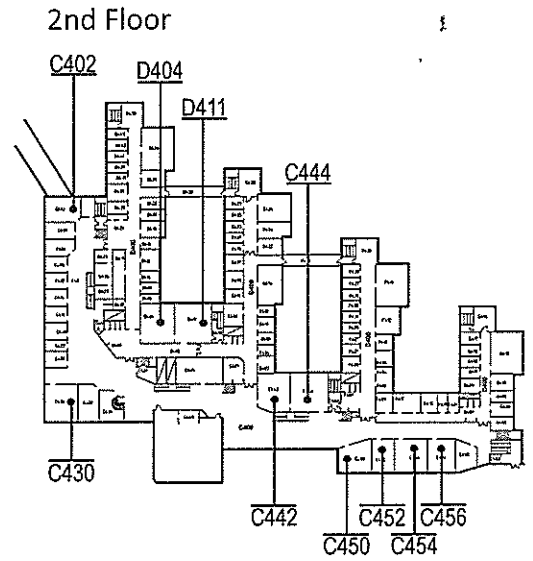
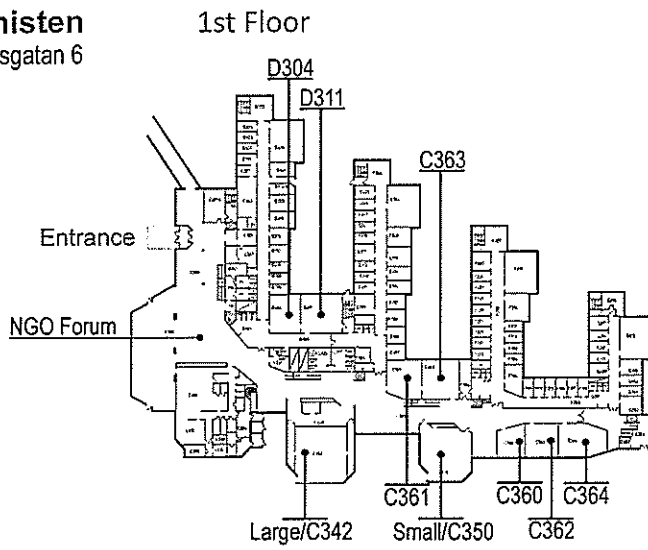


To read more about the abstract content please see the WEEC website for the search database for abstracts, www.weec2015.org

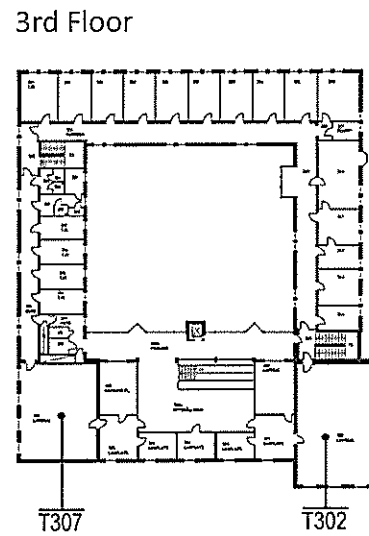
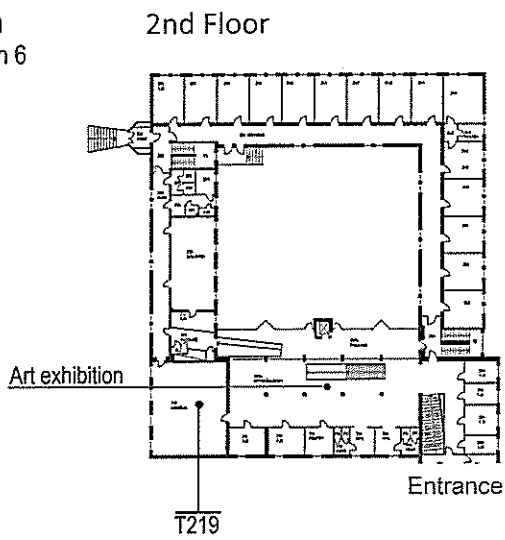
Venue

● Parallel sessions

Humanisten Renströmsgatan 6



Hovrätten Olof Wijksgatan 6



Monday 29 June

Afternoon

Symposia

Time Room
 16:00 - 17:30 T219
 Positioning young children as active participants in sustainability
 168-S T1

16:00 - 17:30 Large/C342
 The contribution of international research collectives to EE and ESD theory&practice
 168-S T1

Workshops

16:00 - 17:00 D411
 Hands-on experience with the bugs that make the soil we stand on and live off
 168-S T1

16:00 - 17:00 T302
 From obesity to food democracy: transition toward sustainability
 168-S T1

16:00 - 17:00 C363
 How to efficiently enable teachers to provide high quality EE
 168-S T1

17:00 - 18:00 D411
 Drawing as a tool for the analysis of environmental issues of the research on EE
 168-S T1

17:00 - 18:00 T302
 Educators advance urban EE by writing an e-book
 168-S T1

Round Tables

16:00 - 16:40 C444
 From a Strategy for ESD to an Action Plan
 168-S T1

16:00 - 16:40 D311
 Aprender valores hacia la construcción de sociedades sostenibles
 155-R T6

16:00 - 16:40 C430
 After All is Said, What is Done?
 121-R T6

16:00 - 16:40 C442
 Student teachers' conceptions about species identification and the relationship of biodiversity to SD
 172-R T6

16:40 - 17:20 C442
 The Primacy of Place in Education in Outdoor Settings
 168-S T1

16:40 - 17:20 C444
 Successful implementations of ESD into state curriculums in Estonia
 168-S T1

16:40 - 17:20 D311
 El análisis semiótico de fotografías en la educación ambiental
 168-S T1

17:20 - 18:00 C442
 Soft Systems Methodology: A Symbiotic approach towards Sustainable Education Development
 168-S T1

17:20 - 18:00 C430
 On the major and minor keys of EE, and opening up the chords
 168-S T1

17:20 - 18:00 C444
 Learning for a sustainable future – investigating an ESD tool for effective pedagogy
 168-S T1

17:20 - 18:00 D311
 Plan nacional de educación ambiental del Uruguay
 168-S T1

17:20 - 18:00 C430
 Managing growing complexity in higher education through holistic mapping techniques
 168-S T1

Oral Presentations

16:00 - 17:00 D304
 Les futurs enseignants et l'écoles dans des milieux défavorisés
 150-O T6 151-O T6

16:00 - 17:00 T307
 Teacher education within physical and digital environments
 169-O T2 170-O T2 174-O T2

16:00 - 17:00 C364
 Generating new perspectives on research in EE and ESD
 168-O T2 169-O T2 170-O T2

16:00 - 17:00 C350
 TIC, E-learning et le sens du lieu
 102-O T2 103-O T2 104-O T2

16:00 - 17:00 C362
 Students, partnerships and portrayals of climate change
 168-O T2 169-O T2 170-O T2

16:00 - 17:00 C452
 Innovative education strategies
 134-O T6 135-O T6 168-O T2

16:00 - 17:00 C454
 (Re)emerging concepts. What's next? - after sustainability
 140-O T5 141-O T5 142-O T5

16:00 - 17:00 D404
 EE in the community context
 168-O T2 169-O T2 170-O T2

16:00 - 17:00 C450
 EE through wildlife and mangrove protection/restoration
 130-O T1 131-O T1

16:00 - 17:00 C456
 Case Studies of ESD in Higher Education - Sweden and South Africa
 168-O T2 169-O T2

Tuesday 30 June Morning

17:00 - 18:00 T307
ICT in outdoor and place-based education
1740-O16 1745-O16

17:00 - 18:00 C450
Outdoor learning and awareness raising
(in children)
132-O T1 133-O T1

17:00 - 18:00 C452
Empowerment, Leadership and Educational
programmes for change
137-O16 138-O16 139-O16

17:00 - 18:00 C454
Systemic thinking and transformative learning
143-O T5 144-O T5 145-O T5

17:00 - 18:00 D404
Collaboration, learning and leadership

17:00 - 18:00 C350
Exemples de zones urbaines et Les Pygmées
142-O16 143-O16 144-O16

17:00 - 18:00 C362
Pedagogical models for improved ESD
145-O16 146-O16 147-O16

17:00 - 18:00 C364
Questioning the impacts of EE and ESD
148-O16 149-O16 150-O16

17:00 - 18:00 D304
Passer de la sensibilisation à l'action par
mobilisation
151-O16 152-O16

17:00 - 18:00 C456
Integrating ESD in higher education
153-O16 154-O16 155-O16

Symposia

Time	Room
08:30 - 10:00	Large/C342
Pluralism and cognitive injustice - a fruitful juxtaposition of epistemic autonomy and plurality in climate change education research 118-S16	
08:30 - 10:00	D311
EEDD comme levier de l'amélioration de la gouvernance et de la participation citoyenne dans le milieu rural au nord du Maroc 119-S16	
08:30 - 10:00	T307
Growing Gardens in Gothenburg Schools: Connecting school authorities, universities and urban planning practitioners 120-S16	

Workshops

Time	Room
08:30 - 09:30	T302
Resilience: Survive & Thrive: an educational card game about the relationship between the environment&economic development 235-W16	
08:30 - 09:30	T219
The Global School - a programme for implementation of global and sustainable learning 282-W16	
08:30 - 09:30	C363
The end game is ontos 221-W T5	
08:30 - 09:30	C361
Pupils as co-researchers: towards the sustainable school culture 213-W T1	
09:30 - 10:30	C363
Let us talk about the good life! The educational potential of Buen Vivir in addressing sustainability in practice 222-W T5	
09:30 - 10:30	C361
Emerging ideas of young children's encounters within natural places in a Canadian context 214-W T1	

Round Tables

08:30 - 09:10	C444
Relationship between the teaching of science in primary school based on research and testing and treatment of diversity in classrooms 236-R T1	
08:30 - 09:10	C430
Public school meals - a unique, unused tool for education for sustainability 229-R16	
08:30 - 09:10	C442
Engaging young people in sustainable development with 21st century skills 232-R T5	
09:10 - 09:50	C444
Don't let the turkeys get you down 237-R T1	
09:10 - 09:50	C430
Environmental Education Model - From Knowledge to Action to Behavioural Change 230-R16	
09:10 - 09:50	C442
Biodiversity, Mediterranean Diet and Genius Loci 238-R16	
09:50 - 10:30	C430
Free for all: An analysis of sustainability in education teacher resources across Canada 231-R16	
09:50 - 10:30	C442
Putting Policy Into Practice: Building an Australian National Network of Sustainability Education Practitioners 233-R16	
09:50 - 10:30	C444
Wild Pedagogies: Education and the Anthropocene 227-R16	

Tuesday 30 June
Afternoon

Oral Presentations

08:30 - 09:30 Small/C350
Los niños y participación escolar en el foco
202-O S T1 203-O S T1 204-O S T1

08:30 - 09:30 C360
Poverty reduction by involving communities in EE
208-O T1 209-O T1

08:30 - 09:30 C362
Designing research - examples and reflection
210-O T1 211-O T1 212-O T1

08:30 - 09:30 D411
Environmental risk and conflict as a base for EE activities
217-O T1 218-O T1

08:30 - 09:30 C450
Connecting ESD with business
220-O T1 221-O T1 222-O T1

08:30 - 09:30 C452
EE and ESD in practice - (Re)Constructing Possibilities
244-O T5 245-O T5 246-O T5

08:30 - 09:30 C454
Young students' understanding of SD
247-O T1 248-O T1 249-O T1

08:30 - 09:30 C456
Children's perspective and perceptions of SD-1
255-O T1 256-O T1 257-O T1

08:30 - 09:30 D304
Knowledge sharing with ICT tools
261-O T1 263-O T1

08:30 - 09:30 C364
Researching the places of ESD
270-O T1 271-O T1 272-O T1

08:30 - 09:30 D404
Perspectives on awareness and action
268-O T1 269-O T1 270-O T1

09:30 - 10:30 C450
Waste, recycling and young children's learning
239-O T1 240-O T1 238-O T1

09:30 - 10:30 Small/C350
Formas alternativas de educación ambiental
205-O S T1 206-O S T1 207-O S T1

09:30 - 10:30 C360
Bringing Sustainability into the Higher Education Classroom
213-O T1 214-O T1 215-O T1

09:30 - 10:30 C362
Designing research 2 - examples and reflection
219-O T1 220-O T1 221-O T1

09:30 - 10:30 C364
Implementation of EE and ESD in different contexts
223-O T1 224-O T1

09:30 - 10:30 C452
EE and ESD in practice - (Re)Constructing Possibilities-2
247-O T5 248-O T5 249-O T5

09:30 - 10:30 D304
Community engagement and non formal EE
254-O T1 255-O T1 256-O T1

09:30 - 10:30 C456
Children's perspective and perceptions of SD-2
258-O T1 259-O T1 260-O T1

09:30 - 10:30 D404
Increased knowledge, awareness raising and behavioural change
271-O T1 272-O T1 273-O T1

09:30 - 10:30 D411
Climate change education
274-O T1 275-O T1 276-O T1

Symposia

Time Room
13:30 - 15:30 Large/C342
"The Next Wave of Researchers": Post-Graduate and Early Career Researchers Working Together to Advance the Field Part1&2 201-O T1

13:30 - 15:00 T302
Can universities be sure they are producing sustainability literate graduates? 202-O T1

Workshops

13:30 - 14:30 C363
School garden projects from around the world - Mexico, South Africa, Germany
203-O T1

13:30 - 14:30 D311
L'éducation des jeunes dans les écoles aux changements climatiques 204-O T1

13:30 - 14:30 T307
National Focal Points: From ESD Awareness to Research Based ESD Action 205-O T1

14:30 - 15:30 T307
Capacity Building for ESD - Taking Action on Professional Development 206-O T1

14:30 - 15:30 C363
Growing Gardens in Gothenburg Schools: Food-growing at Guldheden Primary School
207-O T1

Round Tables

13:30 - 14:10 C430
Building a Sustainable Food Culture: The Potential of the Food Services Model
208-O T1

13:30 - 14:10 A Multidisciplinary Infusion Model for Implementation of EE: The Jane Goodall Institute's EE Program In Uganda 330-R.T1	C442	13:30 - 14:30 Researching digital EE and ESD	C362	14:30 - 15:30 Challenging traditional views on ESD.	C361
13:30 - 14:10 "Talking of Citizenship"	C444	13:30 - 14:30 Challenging the research focus in EE and ESD -1	C364	14:30 - 15:30 Designing research 3 - examples and reflection	C362
14:10 - 14:50 Integrated Solid Waste Management (ISWM) in Moroccan Universities and Eco-citizen initiatives	C430	13:30 - 14:30 Alternative education strategies and assessment of ESD	C450	14:30 - 15:30 Challenging the research focus in EE and ESD -2	C364
14:10 - 14:50 Future Happiness Challenge: Creative methods for visualizing a sustainable future	C442	13:30 - 14:30 Barriers and Drivers to Sustainability in Higher Education	C452	14:30 - 15:30 New learning experiences and alternative approaches for assessing EE	C450
14:10 - 14:50 The participative monitoring over the ecological quality of the Magdalena river in Mexico City	C444	13:30 - 14:30 Community and collaborative approach for nurturing agents of change 347-O.T1 348-O.T1 349-O.T1	C454	14:30 - 15:30 Improving ESD through networks and partnership - and other innovative approaches from a holistic view	C452
14:50 - 15:30 Ten years of sustainability at Plymouth University, UK	C430	13:30 - 14:30 Collaboration for learning on challenges for water and fishing	C456	14:30 - 15:30 Institutional change and childrens' learning 351-O.T1 352-O.T1	C454
14:50 - 15:30 Development of innovative practice in EE through a community climate change fellowship program	C442	13:30 - 14:30 Iniciativas universitarias y el aprendizaje hacia una ciudad verde	D304	14:30 - 15:30 Education for learning on marine- and fresh water	C456
14:50 - 15:30 Wild Pedagogies: Place, Questions, and Encounters on a Floating Colloquium	C444	13:30 - 14:30 Sustainability, Decolonization and Indigenous EE 363-O.T5 364-O.T5 365-O.T5	D404	14:30 - 15:30 Educación ambiental y el sentido de lugar	D304
Oral Presentations		13:30 - 14:30 Visualisation tools for increased connection to place	D411	14:30 - 15:30 Sustainability, Decolonization and Indigenous EE 2	D404
13:30 - 14:30 Educación para la Sostenibilidad en la Educación Superior	Small/C350	14:30 - 15:30 Games and simulation tools for play-based learning	D411	366-O.T5 367-O.T5 368-O.T5	
13:30 - 14:30 Sustainable development policies for poverty reduction	C361	14:30 - 15:30 Integración de la educación ambiental y el impacto de la crisis	Small/C350		

Wednesday 1 July

Morning

Symposia

Time Room
 08:30 - 10:00 **Large/C342**
 Environmental and Sustainability Education Research Network (ESER): Diversity and quality in ESE research **418-016**

08:30 - 10:00 **T302**
 Environment, Sustainability, and Education Policy Research **418-016** Part 1

08:30 - 10:00 **T219**
 Resilience and climate change adaptation **418-016**
A Marcus Wallenberg Symposium

Workshops

08:30 - 09:30 **C363**
 Project "Learning Sustainable Meals" 424-W T5

08:30 - 09:30 **C364**
 EE: the Driving Force for the Future Generation 426-W T1

08:30 - 09:30 **D411**
 Sustainable Schools Initiatives – understanding their influence and impact **418-016**

08:30 - 09:30 **T307**
 Action for sustainability in higher education: Supporting student-driven initiatives in courses in six Nordic institutions **418-016**

09:30 - 10:30 **C363**
 How to increase sustainability awareness and move towards action **425-W T6**

09:30 - 10:30 **C364**
 Southern African children working together towards a sustainable future using creative expression to enable collaboration and promote future planning 427-W T1

09:30 - 10:30 **D411**
 Money and Sustainability: the challenge of Sustainable Finance begins at School **418-016**

09:30 - 10:30 **T307**
 Reviewing Progress on ESD in Higher Education Institutions **418-016**

Round Tables

08:30 - 09:10 **C444**
 EE in Taiwan beyond the environmental concern **418-016**

08:30 - 09:10 **C430**
 Interpreting Sustainable Early Childhood Practices in New Brunswick, Canada 428-R T1

08:30 - 09:10 **C442**
 Pedagogical Documentation of Learning: Environmental Inquiry Made Visible **418-016**

09:10 - 09:50 **C442**
 Wilderness immersion tuning: Learning with evolution and neuroscience in mind **418-016**

09:10 - 09:50 **C444**
 Research process for preparing an innovative policy and a road map to stimulate industrialization of EE for Taiwan **418-016**

09:10 - 09:50 **C430**
 Towards a pedagogy of hope – educational innovation seeking to integrate student voice, critical literacy, and service learning 429-R T1

09:50 - 10:30 **C430**
 Sustainability and our Farmlands Environments - issues and options in science-based picture story books 430-R T1

09:50 - 10:30 **C442**
 Trust-Building Practices as a New Foundation for Early Environmental **418-016**

Oral Presentations

08:30 - 09:30 **Small/C350**
 Nuevas perspectivas - enfoque interdisciplinario y la transferencia de conocimiento **418-016** **418-016** **418-016**

08:30 - 09:30 **C360**
 Critical views on existing education regimes **418-016** **418-016** **418-016**

08:30 - 09:30 **C361**
 Innovative methods and community engagement **418-016** **418-016** **552-O T6**

08:30 - 09:30 **C362**
 Teachers' role for ESD and climate change understanding **418-016** **418-016** **418-016**

08:30 - 09:30 **C450**
 EE and ESD in practice - (Re)Constructing Possibilities-4 437-O T5 438-O T5 439-O T5

08:30 - 09:30 **C452**
 Incentives for action in different settings, young adults, children and family **443-O T6** **444-O T6** **445-O T6**

08:30 - 09:30 **C454**
 Inter-generational learning and the role of the young 448-O T1 449-O T1 450-O T1

08:30 - 09:30 **C456**
 Novice Teachers and ESD in Teacher Education **418-016** **418-016**

08:30 - 09:30 **D304**
 La educación ambiental: las energías renovables y la gestión integral de residuos **459-O S T6** **460-O S T6** **461-O S T6**

08:30 - 09:30 **D311**
 L'éducation transformative et les pratiques pédagogiques **418-016** **418-016**

08:30 - 09:30 **D404**
 Interdisciplinarity, learning and teacher training for EE **418-016** **418-016** **418-016**

Wednesday 1 July

Afternoon

09:30 - 10:30 Small/C350
Nuevas perspectivas - comunidades y contextos
interculturales

410-O T5 411-O T5 412-O T5

09:30 - 10:30 C360

EE and ESD in practice - (Re)Constructing
Possibilities-3

410-O T5 411-O T5 412-O T5

09:30 - 10:30 C361

Narrative pedagogy and storytelling in EE

410-O T5 411-O T5 412-O T5

09:30 - 10:30 C362

Climate change learning and local adaptation
capacity

410-O T5 411-O T5 412-O T5

09:30 - 10:30 C450

EE and ESD in practice - (Re)Constructing
Possibilities. 5

440-O T5 441-O T5 442-O T5

09:30 - 10:30 C452

ESD case studies among children and students

440-O T5 441-O T5 442-O T5

09:30 - 10:30 C454

Children as agents of change

451-O T1 452-O T1 453-O T1

09:30 - 10:30 C456

Teacher Educators and Sustainability:
Motivations and Barriers

456-O T1 457-O T1 458-O T1

09:30 - 10:30 D304

Cambiar las actitudes y percepciones en
contextos diferentes

460-O T1 461-O T1 462-O T1

09:30 - 10:30 D311

Nouvelles perspectives dans la recherche -
Exemples du Congo et du Maroc

463-O T1 464-O T1 465-O T1

09:30 - 10:30 D404

Potential of outdoor learning and improving EE

468-O T1 469-O T1 470-O T1

Symposia

Time Room

13:30 - 15:30 Large/C342

Sustainable Lifestyle and Education: Realising
the 10 Year Framework of Programme on Su-
ustainable Consumption and Production 583-S T5

13:30 - 15:30 Small/C350

Mujeres y Sostenibilidad : Dialogos necesarios,
desde Latinoamerica

502-S S T6

13:30 - 15:30 T302

Environment, Sustainability, and Education Policy
Research

542-S S T6 Part 2

Workshops

13:30 - 14:30 C361

Shadow play and animation as methods for ESD
with 5-9th graders

509-W T1

13:30 - 14:30 C363

From sustainable design to sustainable
implementation - knowledge-based chains for
green economy 512-W T1

13:30 - 14:30 D411

Relational approach: An educative proposal
based on the environmental perception

576-W T5

13:30 - 14:30 T219

International Training Program on ESD in Higher
Education: Developing MOOC on ESD through
South-North collaboration 578-S T6

13:30 - 14:30 T307

Planetary Therapy

581-W T6

14:30 - 15:30 C361

Many Drops Fill the Bucket: Educational Method-
ology for Child Centred SD 510-W T1

14:30 - 15:30 C363

Out of the Water and into the Classroom:
Aquaponics as Teaching Tool

587-W T6

14:30 - 15:30 D411

EE, Ethics and Action: Making Ethics an
Everyday Activity

577-W T5

14:30 - 15:30 T219

Mapping networks and diverse experiences for
practice innovation

500-W T6

14:30 - 15:30 T307

Responsible Futures Accreditation Mark –
mainstreaming sustainability into the core
purpose of universities and colleges through
student and staff collaboration 582-W T6

Round Tables

13:30 - 14:10 C430

Ecological Civilization Storytelling Master of
Science: The future; the planet; earthlings;
lifelong learning on human well being 526-R T5

13:30 - 14:10 C442

Do We Know What We Are Doing? Approaches
to knowledge in EE and ESD

572-S S T6

13:30 - 14:10 C444

Teachers-Learners' Attitudes towards
Environmental Learning's along with Urban
Secondary Schools 574-S S T6

14:10 - 14:50 C430

Love for Okawimawaskiy (Mother Earth): As-
sessing telepathic human-animal communication
as environmental learning threshold 527-R T5

14:10 - 14:50 C442

Service Learning and Higher ESD: Practice and
Research 585-S S T6

14:10 - 14:50 C444

Regional centres of expertise as drivers of
Kenya's sustainability agenda

588-S S T6

14:50 - 15:30 C442
Environmental management system at higher education accentuates ESD

14:50 - 15:30 C444
Nudging, thinking or learning? -Multi-stakeholder collaboration for behavior and systems change

Oral Presentations

13:30 - 14:30 C360
The role of arts and storytelling
503-O T1 504-O T1 505-O T1

13:30 - 14:30 C362
Researching community, collaboration and wellbeing in EE and ESD

13:30 - 14:30 C364
EECs, nature and sense of place

13:30 - 14:30 C450
Green schools, green cities and learning

13:30 - 14:30 C452
Different approaches for awareness raising in students
540-O T5 541-O T5 542-O T5

13:30 - 14:30 C454
EE/ESD in Teacher Education: Strategies and Constraints

13:30 - 14:30 C456
Exploring implicit knowledge and non-formal education
553-O T6 554-O T6

13:30 - 14:30 D304
Nuevas perspectivas - Ejemplos de Granada, Lima y Río de Janeiro

13:30 - 14:30 D311
Les concepts (re)émergents - Pensée systémique, compensation écologique et contributions des savoirs traditionnels
564-O F T5 565-O F T5 566-O F T5

13:30 - 14:30 D404
Networks and partnership for waste management

14:30 - 15:30 C380
Alternative ways of exploring children's awareness
506-O T1 507-O T1 508-O T1

14:30 - 15:30 C362
Researching agency in EE and ESD

14:30 - 15:30 C364
Connecting initiatives and connecting to nature through senses

14:30 - 15:30 C450
Collaboration and partnership for the greening of cities

14:30 - 15:30 C452
Visual arts, mindfulness and extremism. New perspectives on EE and ESD
543-O T5 544-O T5 545-O T5

14:30 - 15:30 C454
Challenging traditional education polices and practice

14:30 - 15:30 C456
Community based action and examples of best practice
555-O T6 557-O T6

14:30 - 15:30 D304
Nuevas perspectivas - Evaluación y acciones para mejoramiento de la educación ambiental

14:30 - 15:30 D404
The Urban area and urban learning in focus

14:30 - 15:30 D311
Education environnementale pour du développement local et lutter contre la pauvreté
567-O F T5 568-O F T5 569-O F T5

Thursday 2 July

Morning

Symposia

Time **Room**

08:30 - 10:00 **Large/C342**
 Showcasing emergent research from the Swedish Graduate School in Education for Sustainable Development (GRESO) **601-S16**

08:30 - 10:00 **T219**
 Sustainable Campuses: Universities Walking the Talk **601-S16**

Workshops

08:30 - 09:30 **C363**
 Las representaciones sociales sobre el cambio climático en estudiantes de bachillerato tecnológico **601-S16**

08:30 - 09:30 **C430**
 Install Hope **601-S16**

08:30 - 09:30 **C456**
 Good school for good food: the role of school education in fostering a democratic and sustainable food system **634-W T1**

08:30 - 09:30 **T302**
 Improving EE and human security through web-based learning tools **601-S16**

08:30 - 09:30 **T307**
 Sustainable Entrepreneurial Education and University – Business Cooperation **601-S16**

Round Tables

08:30 - 09:10 **C442**
 ESD implementation and transformative school organization -a Swedish perspective of Whole school approach **601-S16**

08:30 - 09:10 **C444**
 The Environmental Aesthetic: Social Learning Across frontiers, the Australia-India context **620-R T5**

08:30 - 09:10 **D304**
 L'élève acteur de changement en matière d'Education relative à l'Environnement l'exemple d'une école primaire marocaine **635-R F T1**

08:30 - 09:10 **D311**
 Las representaciones sociales sobre el cambio climático en estudiantes de bachillerato tecnológico **601-S16**

09:10 - 09:50 **C442**
 EE in the perception and sensory interpretation of Riverine Ecosystems: a study with students and teachers of Basic Education **601-S16**

09:10 - 09:50 **C444**
 Using formative assessments to ensure the success of an EE program **601-S16**

09:10 - 09:50 **D311**
 Educación ambiental para las situaciones de prevención en los sitios de emergencia de desastres ambientales **601-S16**

Oral Presentations

08:30 - 09:30 **Small/C350**
 Les écoles et les jeunes étudiants **602-O F T1 603-O F T1 604-O F T1**

08:30 - 09:30 **C360**
 Challenges and Successes of K-12 Educational Reform **601-S16 601-S16 601-S16 601-S16**

08:30 - 09:30 **C362**
 Researching programs in EE and ESD **601-S16 601-S16 601-S16**

08:30 - 09:30 **C364**
 Researching identity in EE and ESD **601-S16 601-S16 601-S16**

08:30 - 09:30 **C450**
 Learning, living, leadership and ethics - Experiences and exploration **622-O T6 623-O T6 624-O T6**

08:30 - 09:30 **C452**
 The role of science, culture and cultural differences in ESD **626-O T1 627-O T1 628-O T1 629-O T1**

08:30 - 09:30 **C454**
 Communication, simulation and qualification standards **601-S16 601-S16 601-S16 601-S16**

08:30 - 09:30 **D404**
 Eco-schools and gardens and forests as classrooms **601-S16 601-S16 601-S16**

08:30 - 09:30 **D411**
 New education strategies for climate change and sustainability **601-S16 601-S16**

Poster sessions

Poster sessions will take place in the exhibition, poster and catering area, located on the 2nd floor in the Concert Hall.¹

Session I

Monday 29 June and Tuesday 30 June

Theme 1-7 (701-P – 769-P)

Poster presenters are required to stand by their poster during below times to discuss their work with delegates:

Theme 1	29 June	15:30 - 16:00
Theme 2	29 June	15:30 - 16:00
Theme 3	30 June	10:30 - 11:00
	30 June	10:30 - 11:00
Theme 5	30 June	13:00 - 13:30
Theme 6	30 June	15:30 - 16:00
Theme 7	30 June	15:30 - 16:00

Session II

Wednesday 1 July and Thursday 2 July

Theme 8-11 (801-P – 863-P)

Poster presenters are required to stand by their poster during below times to discuss their work with delegates:

Theme 8	1 July	10:30 - 11:00
Theme 9a	1 July	12:30 - 13:00
Theme 9b	1 July	13:00 - 13:30
Theme 10	1 July	15:30 - 16:00
Theme 11	2 July	10:00 - 10:30

Please go to www.weec2015.com to see the full list of posters and their presenters. All participants are encouraged to see the excellent posters that have been especially designed and made for the Congress and to take the opportunity to discuss the posters with their authors.

Complementary programme

Before, between or after the sessions you have the chance to explore Gothenburg or enjoy the side events around WEEC2015. For more information on excursions and tours, please visit the WEEC website.

Side events

Sunday 28 June

09:00 - 17:00

GUPES Partnership Forum

Venue: Room Small/C350, Humanisten

Monday 29 June

09:00 - 12:30

International Intergenerational Network of Centers meeting

Venue: Conference Room, Humanisten University Library,

Renströmsgatan 4, Gothenburg

10:00 - 12:00

International Collaboration in the development of ESD training resources for Early Childhood Care and Education (ECCE)

Venue: Room B1 114, Pedagogen, Läroverksgatan 15, Gothenburg

10:30 - 12:30

The Importance of Sustainability as a Separate Subject

Venue: Room C364, Humanisten

Tuesday 30 June

18:15 - 19:15

Empowering civil society to improve ESD across Europe

Venue: Room C363, Humanisten

18:15 - 20:00

Aquatic Education

Venue: Room C364, Humanisten

18:15 - 20:00 (or later)

RCE – GAP ↔ GAP – RCE

Venue: Centre for Environment and Sustainability, GMV, 3rd floor,

Aschebergsgatan 44, Gothenburg

For details regarding participation and registration for the side events please see the website.

Evening events

Monday 29 June

18:30 - 20:00

City Reception kindly sponsored by the City of Gothenburg

Venue: Valands Festvåning, Vasagatan 41, Gothenburg

Please ensure you bring your ticket received with your name badge with you to gain access at the door.



Wednesday 1 July

18:30 - 23:00

Congress Dinner at Restaurang Trädgår'n

Venue: Nya allén 11, Gothenburg

Please ensure you bring your congress badge with you to gain access at the door.

NGO Forum

At the NGO Forum at the Humanisten Café, just to the right entering the building, you can receive information about interesting NGO's, their work and their projects.

Götaplatsen

Visit Götaplatsen to fill your water bottle with potable tap water or to listen to local EE and ESD course leaders and much more.


We would like to thank our exhibitors...



City of
Gothenburg

DB SCHENKER

formatoverde 

 **Generalitat de Catalunya**
Government of Catalonia

 GREEN
GOTHENBURG

 **SEPN**
The Sustainability and
Education Policy Network

and sponsors

A
ADLERBERTSKA
STIFTELSENA

MARCUS WALLENBERGS
STIFTELSE FÖR INTERNATIONELLT
VETENSKAPLIGT SAMARBETE

www.weec2015.org