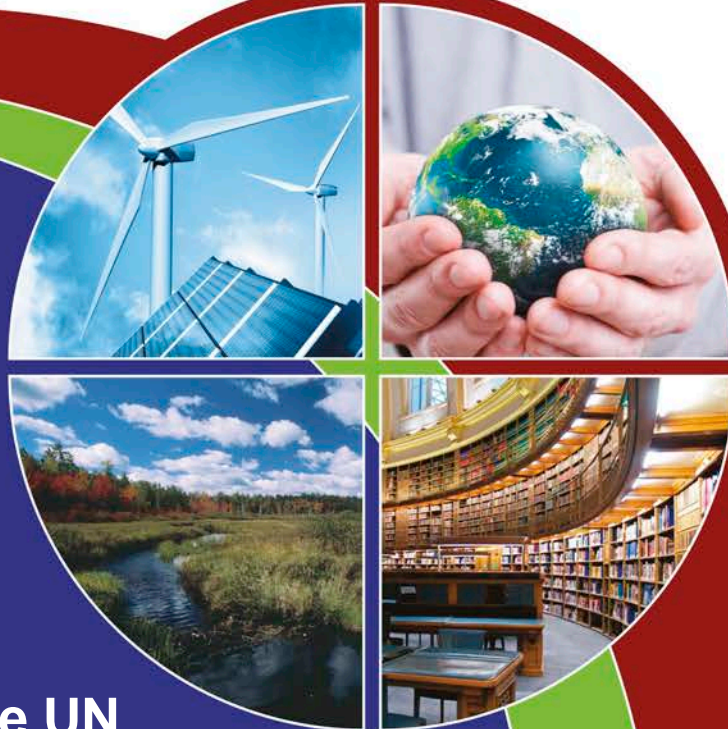




Hochschule für Angewandte
Wissenschaften Hamburg
Hamburg University of Applied Sciences

2nd WORLD SYMPOSIUM ON SUSTAINABLE DEVELOPMENT AT UNIVERSITIES (WSSD-U-2014)



**Following-up the UN
Conference on Sustainable Development
(Rio+20)**

Manchester, United Kingdom
3-5 September 2014

**SYMPOSIUM INFORMATION
PROGRAMME**

WORLD SYMPOSIUM ON SUSTAINABLE DEVELOPMENT AT UNIVERSITIES (WSSD-U-2014)



Manchester, UK, 3-5 September 2014

/// BACKGROUND

The **2012 UN Conference on Sustainable Development** (UNCSD), also known as “Rio+20”, was a historical event. Held in Rio de Janeiro, Brazil in June 2012, this landmark gathering agreed on various sets of actions to make the world a better and more sustainable place to live in. In particular, the document “The Future We Want”, outlined many of the measures countries across the world should pursue and implement, in order to translate the principles of sustainable development into practice.

As a parallel event to UNCSD, the **1st World Symposium on Sustainable Development at Universities” (WSSD-U-2012)** was held on 5-6 June 2012. Attended by 120 delegates from 26 countries, WSSD-U-2012 **produced, among other things**, the book „Sustainable Development at Universities: New Horizons“, as Volume 34 of the series „Environmental Education, Communication and Sustainability“. This ground-breaking publication on the theory and practice of sustainable development, is one of the most comprehensive publications on sustainability at universities ever produced, focusing on both industrialised and developing nations. But if anything, WSSD-U-2012 demonstrated the need for a continuation of the dialogue among sustainability academics and practitioners, so as to address the issues, matters and problems at hand.

It is against this background that the “**2nd World Symposium on Sustainable Development at Universities” (WSSD-U-2014)** will be organised by Manchester Metropolitan University (UK) and the Research and Transfer Centre “Applications of Life Sciences” of the Hamburg University of Applied Sciences (Germany), in cooperation with the United National University initiative “Regional Centres of Expertise on Education for Sustainable Development” (RCE). **The Workshop will be one of the last events to be held as part of the UN Decade on Education for Sustainable Development (UNDESD), which concludes in 2014.**

The “**2nd World Symposium on Sustainable Development at Universities” (WSSD-U-2014)** will focus on “transformative approaches to sustainable development across disciplines”, and will contribute to the further development of this fast-growing field.

/// AIMS

Consistent with the goals of the WSSD-U series, the aims of the “**2nd World Symposium on Sustainable Development at Universities” (WSSD-U-2014)** are as follows:

- i. to provide universities all round the world with an opportunity to display and present their works (i.e. curriculum innovation, research, activities, practical projects) as they relate to education for sustainable development at university level;
- ii. to foster the exchange of information, ideas and experiences acquired in the execution of projects, from successful initiatives and good practice;
- iii. to discuss methodological approaches and projects which aim to integrate the topic of sustainable development in the curriculum of universities;
- iv. to network the participants and provide a platform so they can explore possibilities for cooperation.

Last but not least, a further aim of the event will be to document and disseminate the wealth of experiences available today. To this purpose, a set of books will be published, with all accepted papers. These will be the first volumes of the new “**World Sustainable Development Series**” published with Springer, one of the top 5 scientific publishers. The books will document and disseminate the excellent works performed by the authors attending the event.



/// PROFILE OF PARTICIPANTS

Delegates attending the “2nd World Symposium on Sustainable Development at Universities” (WSSD-U-2014) will come from a cross-sectoral range of areas. They are:

- i. members of university administrations;
- ii. teaching staff
- iii. research staff;
- iv. student groups;
- v. campus facilities and operations staff;
- vi. project officers and consultants;
- vii. other people interested in the field.

It is believed that this wide range of participants will help to outline the need for integrated approaches towards sustainable development and, hence contribute to the further dissemination of the UN Decade of Education for Sustainable Development.

/// STRUCTURE OF THE EVENT

The “2nd World Symposium on Sustainable Development at Universities” (WSSD-U-2014) will be organised in two main strands:

Strand 1: the displays

Participating universities and organisations will be able to put-up displays describing their works and projects and to distribute the relevant information to the participants. The displays will be the backbone of the event and will allow close, one-to-one contacts between the participants and the exhibitors.

Strand 2: the presentations

A set of presentations, divided into five sections will be organised, dealing with issues of strategic value in reviewing the state of the art of education for sustainability today. These are:

Session 1: Implementing Sustainable Development in the Curriculum

Session 2: Implementing Sustainable Development in Research and in Community and Outreach Programmes

Session 3: Implementing Sustainable Development in Campus Activities, Facilities/Operations

Session 4: Holistic approaches to Sustainable Development involving Curriculum, Research and Operations

Session 5: Students’ Participation and Engagement in Sustainability Issues

A tour of the state-of-the-art facilities at Manchester Metropolitan University will be offered, with excellent examples of how to implement campus greening initiatives.

/// TIME-TABLE

The “2nd World Symposium on Sustainable Development at Universities” (WSSD-U-2014) will be held from 3 to 5 September 2014. See the programme from page 7 onwards.

In order to ensure an efficient use of the time, delegates are kindly asked to organise their travel in a way that allows them to arrive in Manchester in the course of Wednesday the 3rd September 2014 at the latest, and travel back on or after the 6th September 2014.

/// FEES AND CHARGES

A conference fee of £290 (inclusive of VAT) will be charged to registered delegates, so as to offset the preparation costs. The fees includes **free lunches and coffee breaks on 4-5 September 2014. This is a self-funded event and the organisers are unable to pay any travel or accommodation costs** of any kind. They are however happy to issue letters of invitation to support delegates to request funding for their participation.



/// ORGANISERS

- Manchester Metropolitan University
- Hamburg University of Applied Sciences Research and Transfer Centre “Applications of Life Sciences”, RCE Hamburg and Region

/// NATIONAL AND INTERNATIONAL PARTNERS

Association for the Advancement of Sustainability in Higher Education (AASHE)
Australasian Campuses Towards Sustainability (ACTS)
Baltic University Programme (BUP)
Consortium on Applied Research and Professional Education (CARPE)
Environmental Association for Universities and Colleges (EAUC)
Higher Education Academy (HEA)
National Union of Students (NUS)
United Nations University, Regional Centres of Expertise on Sustainable Development
UN Economic Commission for Europe (UNECE)
UN Educational, Scientific and Cultural Organisation (UNESCO)
UN Environment Programme (UNEP)

/// SCIENTIFIC COMMITTEE

Chairpersons

- Prof. Walter Leal, Manchester Metropolitan University, UK & HAW Hamburg and RCE Hamburg and Region, Germany
- Prof. Lynn Martin, Manchester Metropolitan University, Centre for Enterprise, UK
- Prof. Callum Thomas, Centre for Aviation, Transport and the Environment, Manchester Metropolitan University, UK

Members

Prof. Javier Aliaga, Catholic University of Bolivia, Bolivia
Dr. Abul Quasem Al-Amin, University of Malaya, Malaysia
Dr. Nelson Amaro, Galileo University, Guatemala
Prof. Ulisses Azeiteiro, University of Coimbra, Portugal
Dr. Didac Ferrer Balas, University Polytechnic of Catalonia, Spain
Mr. Wynn Calder, Association of University Leaders for a Sustainable Future (ULSF) & Sustainable Schools, LLC
Prof. Sandra Caeiro, Universidade Aberta, Portugal
Prof. Adriano Ciani, University of Perugia, Italy
Lianne Denby, Macquarie University and President, Australasian Campuses Towards Sustainability, Australia
Prof. Bernd Delakowitz, University of Applied Sciences Zittau-Görlitz, Germany
Prof. Neven Duic, University of Zagreb, Croatia
Mr. Jos Eussen, RCE Rheine-Meuse, Netherlands
Ms. Erlijn Eweg, Utrecht University of Applied Sciences, Netherlands
Dr. Zinaida Fadeeva, United Nations University, Bonn
Dr. Alexander Feher, University of Nitra, Slovakia
Dr. Richard Fenner, University of Cambridge, UK
Prof. Baltasar D’Andrade Guerra, UNISUL, Brazil
Prof. Paul Hooper, Manchester Metropolitan University, UK
Prof. Donald Huisingsh, University of Tennessee, USA
Prof. Prof. Sadiq Hussain, Ibri College of Applied Science, Sultanate of Oman
Prof. Dzintra Ilisco, Daugavpils University, Latvia
Prof. Ralf Isenmann, Munich University of Applied Sciences, Germany
Prof. Nikolaj Ivanov, Baltic State Technical University, St. Petersburg, Russia
Prof. Charbel Jabbour, University of São Paulo, Brazil
Dr. Alex Kanyimba, University of Namibia, Namibia



Dr. Juha Kaaria, Turku University of Applied Sciences, Finland
Mr. Simon Kemp, University of Southampton, UK
Prof. Maris Klavins, University of Latvia, Latvia
Prof. Linas Kliucininkas, Kaunas University of Technology, Lithuania
Prof. Anshuman Khare, Athabasca University, Canada
Dr. Paula Lindroos, Baltic University Programme, Sweden
Prof. Violeta Orlovic Lovren, University of Belgrade, Serbia
Prof. Rodrigo Lozano, Copernicus Institute of Sust.Development, Utrecht University, Netherlands
Dr. Evangelos Manolas, Democritus University of Thrace, Greece
Prof. Natasa Markovska, Macedonian Academy of Sciences and Arts, Macedonia
Dr. Javier Orozco Messana, Polytechnic University of Valencia, Spain
Dr. Karel Mulder, TU Delft, Netherlands
Dr. Josephine Musango, Sustainability Institute, South Africa
Prof. Maria Novo, National University on Distance Education, Spain
Prof. Herick Othieno, Maseno University, Kenya
Prof. Paul Pace, University of Malta, Malta
Prof. Arminda Maria Finisterra do Paço, University of Beira Interior, Portugal
Prof. Joost Platje, University of Opole, Poland
Prof. Anita Pipere, Daugavpils University, Latvia
Prof. Diana-Mihaela Pociovalisteanu, Constantin Brancusi University, Romania
Dr John Rafferty, Institute of Land Water & Society, Charles Sturt University and
Vice-President, Australasian Campuses Towards Sustainability, Australia
Prof. Osvaldo Quelhas, Fluminense Federal University, Brazil
Prof. Lars Ryden, Baltic University Programme, Sweden
Prof. Chris Schiel, University of Bournemouth UK
Prof. Razvan Teodorescu, University of Agronomic Sciences & Vet. Medicine of Bucharest
Prof. Eugenia Alo Totaro, University of Sannio, Italy
Prof. Luis Vargas, University of Chile, Chile
Prof. Luis Velazquez, University of Sonora, Mexico
Ms. Meghan Fay Zahniser, Assoc. for the Advancement of Sustainability in Higher Education, USA
Prof. Sergei Zenchenko, Moscow State University of Economics, Statistics and Informatics,
Minsk Branch, Belarus

/// SCIENTIFIC AND EXECUTIVE COMMITTEE AT MANCHESTER METROPOLITAN UNIVERSITY

Ms. Teresa Fitzpatrick, Centre for Enterprise, Business School
Dr. John Hindley, Head of Environmental Strategy
Prof. Paul Hooper, School of Research, Enterprise and Innovation
Dr. Olga Kuznetsova, Management Department, Business School
Mr. Gary Lindsay, Postgraduate Research Degrees and support to the Professoriate
Professor Alberto Paucar-Caceres, Research Co-ordinator, Business School
Dr Elizabeth Price, School of Science and the Environment
Dr. Konstantinos Tzoulas, School of Science and the Environment
Prof. Cathy Urquhart, Head of Research
Ms Elisabeth Walley, Senior Lecturer in Sustainable Business

/// CONTACT POINT FOR SCIENTIFIC INPUTS, STRATEGIC COOPERATION AND GUIDANCE ON PUBLICATION

All questions related to scientific inputs and strategic partnerships, as well as abstracts and the publication, should be sent to:

Walter Leal (BSc, PhD, DSc, DPhil, DEd, DLitt, FSB, FRGS, FLS)
Professor of Environment and Technology
School of Science and the Environment
Manchester Metropolitan University
Chester Street
Manchester, M1 5GD
United Kingdom
E-mail: w.leal@mmu.ac.uk



**/// CONFERENCE ADMINISTRATOR AND CONTACT POINT
FOR FURTHER DETAILS**

All questions related to abstracts and registrations should be sent to:

Dr. Mihaela Sima
Institute of Geography, Romanian Academy
E-mail: simamik@yahoo.com



DRAFT PROGRAMME

WORLD SYMPOSIUM ON SUSTAINABLE DEVELOPMENT AT UNIVERSITIES (WSSD-U-2014)

Wednesday 3rd September 2014

All day: arrival

15.00-18.00- Registration and set-up of displays

18.00- 19.00- Inaugural Lecture – Chair: Phil Wheater
Walter Leal, MMU

Education for Sustainable Development in Higher Education: Reviewing Needs

19.00- Welcome reception

Thursday 4th September 2014

08.00-09.00- Registration and visits to the displays

09.00-10.30- Opening Session and key note speeches (Room G.36) – Chair:
Walter Leal

09.00-09.50- Welcome by City of Manchester, Manchester Metropolitan University,
Higher Education Academy

09.50-10.30- **Key note speech:** *Interdisciplinary Environmental and Sustainability
Education and Research: Institutes and Centers at U.S. Research Universities*

Shirley Vincent, Antje Danielson and Rica Santos, National Council for Science and
the Environment, USA

10.30-11.00 – Break and visits to the displays

11.00-13.00- Parallel Sessions: 1, 2, 3, 4 and 5

Session 1A: Implementing Sustainable Development in the Curriculum (Room G.36) – Chair: Paul Pace

11:00- 11:20 - Antonius Raghubansie, Wendy Corbett , Katy Boom, Lorraine
Weaver, University of Worcester, UK

*Digital learning for sustainability: an interactive magazine for students, academics
and expert practitioners*



11:20- 11:40 - Gisela Cebrián, Marcus Grace and Debra Humphris, University of Southampton, UK
An action research project for embedding Education for Sustainable Development in a university curriculum: processes and prospects

11:40- 12:00 – Colin Hocking and Matthew Riddle, La Trobe University, Australia
Aiming for Full Coverage - Integrating Sustainability Education Into All Undergraduate Courses At La Trobe University, Australia: Achievements, Lessons Learnt and Barriers Addressed

12:00- 12:20 – Simon Kemp, Julia Kendal, Adam Warren, Laurence Wright, John Canning, Marcus Grace and Clare Saunders, University of Southampton, UK
Global consensus is a dream, but twitter is real: simulating a Sustainable Development Goals Summit through interdisciplinary classroom politics and negotiation by social media

12:20- 12:40 - Jonathan Davies, Manchester Metropolitan University, UK
An Analysis of the Sustainability of Different Methods of Delivering Higher Education

12:40- 13:00 - Sarah Chave, University of Exeter, UK
Toward temporal conceptions of education assustainability:contributions from complexity and process thinking

Session 1B: Implementing Sustainable Development in the Curriculum (Room 3.02) – Chair: Liz Price

11:00- 11:20 - Subarna Sivapalan, Ganakumaran Subramaniam and Michael J Clifford, Universiti Teknologi PETRONAS, Malaysia
Institutional Practices vs. Student Needs and its Implications for the Development of a Holistic Engineering Education for Sustainable Development (EESD) framework

11:20- 11:40 - Eric Pallant, Beth Choate and Derek Reno, Allegheny College, USA
Overcoming obstacles to classroom based cross-border environmental education in universities

11:40- 12:00 - Amanda Langdown and Valeria Ruiz Vargas, Manchester Metropolitan University, UK
Integrating sustainable development within teaching fashion education

12:00- 12:20 - Michal Bardecki, Ryerson University, Canada
Developing and managing integrated [interdisciplinary/ transdisciplinary] graduate programs in environment science and management in a collaborative context

12:20- 12:40 - Mariano Ramirez Jr., University of New South Wels, Australia
Commitments of university leaders to the Talloires Declaration: Are they evidenced in industrial design teaching and learning?



12:40- 13:00 - Violeta Orlovic Lovren, University of Belgrade, Serbia
Integrating sustainability into the curriculum of adult education studies: a journey across disciplines

Session 2: Implementing Sustainable Development in Research and in Community and Outreach Programmes (Room 4.04) – Chair Callum Thomas

11:00- 11:20 - Robert W. Marans, John Callewaert and Michael Shriberg, University of Michigan, USA
Enhancing and Monitoring Sustainability Culture at the University of Michigan

11:20- 11:40 - Harold Goodwin, Manchester Metropolitan University, UK
What does the concept of responsibility contribute to the teaching of sustainability in universities?

11:40- 12:00 - Mark C. Mifsud, University of Malta, Malta
Student Perceptions on the first Masters in Education for Sustainable Development in Malta

12:00- 12:20 - Robert Fryer, Philadelphia University, USA
The digital studio: A case study of an online sustainable design studio

12:20- 12:40 - Jordi Segalàs and Gemma Tejedor, Universitat Politècnica de Catalunya, Spain
Multicultural Constructive Community learning course for Education in Sustainable Development applying Backcasting

12:40- 13:00 - Veronika Schulte, HAW Hamburg, Germany
Sustainable university cooperation on energy security, energy access and energy efficiency: experiences from the L³EAP project

Session 3A: Implementing Sustainable Development in Campus Activities, Facilities/Operations (Room 4.05) – Chair: Baltazar Guerra

11:00- 11:20 - Konstantinos Tzoulas, Philip James, Elizabeth Price and Phil Wheater, Manchester Metropolitan University, UK
What are the European legal duties to conserve biodiversity in university campuses?

11:20- 11:40 - Claire Bennett and Geoffrey Lewis, Wilfrid Laurier University, Canada
Integrating a Triple Bottom-Line Approach into the Management System: A Framework for Institutions and Businesses Alike

11:40- 12:00 - Phil Cook and Anshuman Khare, Athabasca University, Canada
Walking the Dead: The Systemic Premises Explaining Missed Opportunity for Sustainability Initiatives in Canadian Higher Education Organizations



12:00- 12:20 - Felix Spira and Alexander Baker-Shelley, Erasmus University Rotterdam, The Netherlands
Driving the energy transition at Maastricht University? Analysing the transformative potential of the student-driven and staff-supported Maastricht University Green Office

12:20- 12:40 - Lara Hopkinson and Julie Gwilliam, Cardiff University, UK
Assisting sustainability through achievement of an integrated Health, Safety and Environmental Management System at Cardiff University

12:40- 13:00 - Sara Moggi, Chiara Leardini and Bettina Campedelli, University of Verona, Italy
Social and environmental reporting in the Italian Higher Education System: Evidence from two best practices

Session 3B: Implementing Sustainable Development in Campus Activities, Facilities/Operations (Room 4.06) – Chair: Evangelos Manolas

11:00- 11:20 - Stephen Scoffham and Nicola Kemp, Canterbury Christ Church University, UK
It's Contagious! Developing sustainability perspectives in academic life at a UK university

11:20- 11:40 – Ying Syuan Huang and Anila Asghar, McGill University, Canada
Teacher Education and Sustainable Development: A Socio-cognitive Ecological Approach to Investigating Canadian Teacher Education

11:40- 12:00 - Louise Ellis and Jessica Martin, University of Leeds, UK
Implementing a Sustainability Strategy: A case study from the University of Leeds

12:00- 12:20- Mireya Imaz, Dalia Elizabeth Ayala, Luis Gutiérrez and Marjory González, Universidad Nacional Autónoma de México, Mexico
ECOPUMA, the strategy for a Sustainable University at UNAM

12:20- 12:40 - Paula Bacelar-Nicolau, Sandra Caeiro, Ana Paula Martinho and Ulisses Miranda Azeiteiro, Universidade Aberta, Portugal
Attitudes, barriers and motivators as factors for sustainability of higher education e-learning programmes at Universidade Aberta, Portugal

12:40- 13:00 - Kirsten Davies and Elisabeth Blik, Macquarie University, Australia
Green Fever. EcoCycle and Sustainability in Action

Session 4A: Holistic approaches to Sustainable Development involving Curriculum, Research and Operations (Room 4.07)
Chair: Ulisses Azeiteiro



11:00- 11:20 - Colin J. Macgregor, James Cook University, Australia
James Cook University's holistic response to the sustainable development challenge

11:20- 11:40 - Mohamed Saeudy, Keele University, UK
Triple bottom line: An academic perspective on sustainability practices and accountability

11:40- 12:00 - Sara Rickards, Richie Howitt and Sandie Suchet-Pearson, Macquarie University, Australia
Ecological Footprinting as a Top-Down and Bottom-Up Approach to Complete Campus Engagement and Transformation Towards the One Planet Goal

12:00- 12:20 – Chris Shiel and Amanda Williams, Bournemouth University, UK
Working together, driven apart: Reflecting on a joint endeavour to address sustainable development within a university

12:20- 12:40 - Dianne Chambers, The University of Melbourne, Australia
Maximising sustainability outcomes by amalgamating dimensions of sustainability

12:40- 13:00 - Sadiq Hussain and Thuwayba Al Barwani, Sultan Qaboos University, Oman
Sustainable Development at Universities in the Sultanate of Oman: The Interesting Case of Sultan Qaboos University (SQU)

Session 4B: Holistic approaches to Sustainable Development involving Curriculum, Research and Operations (Room 4.08) – Chair: Julie Newman

11:00- 11:20 - Catherine. L. Zeman, Jennifer Hall, Diane Depken and Ioan Bocsan, University of Northern Iowa, USA
Development, Structure and Impact of a Ten Year Outreach and Study Abroad Program in Sustainability and Environmental Health Disparities: University of Northern Iowa, the Iuliu Hatieganu University of Medicine and Pharmacy and the Romani of Pata Rat with a Report on a Cross-Sectional, Romani Environmental Footprint Study

11:20- 11:40 - Brian Stewart and Anshuman Khare, University of Alberta, Canada
eLearning and the Sustainable Campus

11:40- 12:00 - Christine Willmore and Hannah Tweddell, University of Bristol, UK
Experiences of 'Reflective Action': forging links between student informal activity and curriculum learning for sustainability

12:00- 12:20 - Jack Christian and Elizabeth E. Walley, Manchester Metropolitan University Business School, UK
Termite Tales: Organisational Change – a Personal View of Sustainable Development in a University - As Seen From the 'Tunnels'.



12:20- 12:40 - Manuel Larrán Jorge and Francisco Javier Andrades Peña,
University of Cadiz, Spain
Implementing sustainability and social responsibility initiatives in the higher education system: Evidence from Spain

12:40- 13:00 - Paul A. Barresi, Will J., Focht, Michael A. Reiter, Richard C. Smardon, Michael Humphreys, Kimberly D. Reiter, Steven A. Kolmes, Southern New Hampshire University, USA
Revealing Complexity in Educating for Sustainability: An Update on the Work of the Roundtable on Environment and Sustainability

Session 5: Student Participation and Engagement in Sustainability Issues (Room 4.44) – Chair: Luis Vargas

11:00- 11:20 – Julia Planko, University of Applied Sciences Utrecht, The Netherlands
Enablers and obstacles for setting up a ‘sustainability club’ student association to integrate sustainability in higher education – a case study

11:20- 11:40 – Tim Allen, Sheffield Students’ Union, UK
Working in partnership across HE and FE to deliver sustainable behaviour change in students

11:40- 12:00 - Antony Johnston, University of the Arts London, UK
From Consumer to Citizen: engaging students with participative methods in design

12:00- 12:20 - Katie L. Ferneyhough, Staffordshire University Students’ Union, UK
Creating sustainable homes & environmental minds at Staffordshire University – GreenPad: A Student’s Green Fund Project

12:20- 12:40 - Peng Li, Katy Boom and Paul Davis, Worcester Students' Union, UK
How Do Limbo Dancing, Landlords and Students’ Energy Habits Link to EfSD? A Student Green Fund Case Study

12:40- 13:00 - Kate Arnold, University of Gloucestershire Students’ Union, UK
Making Money and Saving the World: Empowering Students for Sustainability through Social Enterprise

13.00-14.00- Lunch and visits to the displays



Thursday 4th September 2014

14.00-14.30- Plenary presentation: University students' perspectives about development: Are we putting new wine into old wineskins? (Prof. Paul Pace, University of Malta)- Room G.36

14.40-16.00 - Parallel sessions: 1, 2, 3, 4 and 5

Session 1A: Implementing Sustainable Development in the Curriculum (Room 3.02) – Chair: Elisabeth Walley

14.40-15.00 - Alison J. Greig, Anglia Ruskin University, UK
Making sustainability part of every student's curriculum.

15.00-15.20 - Lim Lan Yuan, National University of Singapore, Singapore
Enhancing Knowledge and Learning in Sustainable Developments at Universities

15:20- 15:40 - Jenny Reilly and Tatiana Teslenko, University of British Columbia, Canada
Enhancing ESD through the Master of Clean Energy Engineering Co-op Program: A Canadian Case-study

15:40- 16:00 - María Novo and M^aÁngeles Murga-Menoyo, National University of Distance Education, Spain
The processes of integrating sustainability in Higher Education curricula: a theoretical-practical experience regarding key competences and their cross-curricular incorporation into degree courses

Session 1B: Implementing Sustainable Development in the Curriculum (Room 4.04) – Chair: Catherine Zeman

14.40-15:00 - Rehema M. White, University of St Andrews, UK
Who am I? The role(s) of an academic at a 'sustainable university'

15:00-15:20- Pat Cox, Michelle Crabtree and Craig Diver, University of Central Lancashire, UK
Sustainability and Environmental Concerns: Responsibilities within Professional Education: Developing Understandings of Attitudes and Practices

15:20- 15:40 - Helen Puntha, Petra Molthan-Hill, Aldilla Dharmasasmita and Eunice Simmons, Nottingham Trent University, UK
Food for Thought: A University-wide Approach to Stimulate Curricular and Extracurricular ESD Activity

Session 2: Implementing Sustainable Development in Research and in Community and Outreach Programmes (Room 4.05) – Chair: Arminda Paco



14.40-15.00 - Alek Suni, Mario Corrêa de Sá e Benevides and José Baltazar de Andrade Guerra, Universidade do Sul de Santa Catarina, Brazil
The Role of the University in Promoting Photovoltaic Usage in Brazil

15.00 - 15.20 – Constantina Skanavis and Evangelos Manolas, Democritus University of Thrace, Greece
School Gardens and Ecovillages: Innovative Civic Ecology Educational Approaches at Schools and Universities

15:20- 15:40 - Cynthia Caruana and Mark Mifsud, University of Malta, Malta
Reinforcing Sustainable Development in Schools in Malta: A potential approach by the University of Malta to meet the country's sustainable development challenges

15:40- 16:00 - Amber Narro, Southeastern Louisiana University, USA
Sustainability and Service-learning: Creating a Rubric for Stewardship Across Courses

Session 3: Implementing Sustainable Development in Campus Activities, Facilities/Operations (Room 4.06) – Chair: Sadiq Hussain

14.40-15.00 – Sally R. Lampkin, The University of the West of England, Bristol, UK
The impact of withdrawing a structured initiative aimed at engaging departments in sustainable activities, at a UK university

15:00- 15:20 - Antje Disterheft, Sandra Caeiro, Ulisses Azeiteiro and Walter Leal Filho, Universidade Aberta, Portugal
Participatory processes in sustainable universities – what to assess?

15:20- 15:40 - Luciana Londero Brandli, Walter Leal Filho, Marcos Antonio Leite Frandoloso, Eduardo Pavan Korf and Denise Daris, University of Passo Fundo, Brazil
The Environmental Sustainability of Brazilian universities: barriers and pre-conditions

15:40- 16:00 - Izael Da Silva, Mr. Geoffrey Ronoh, Clint Ouma and Caren Jerono, Strathmore University, Kenya
Reducing Carbon Emissions in a Third Level Educational Institution in Sub-Saharan Africa

Session 4A: Holistic approaches to Sustainable Development involving Curriculum, Research and Operations (Room 4.07) - Chair: Sara Rickards

14.40-15.00 - Karolina Barkowicz and Judy Rogers, RMIT University, Australia
Green Roofs and Urban Campus Greening: Learning about Sustainability through Doing



15.00 - 15.20 - Julie Newman, Massachusetts Institute of Technology, USA
Pushing boundaries: Reframing NextGeneration Sustainability for Universities

15:20- 15:40 - Simon Meisch, Nikolas Hagemann, Johannes Geibel, Elisabeth Gebhard, Moritz A. Drupp, University of Tübingen, Germany
Indicator-Based Analysis of the Process towards a University in Sustainable Development: a Case Study of the University of Tübingen (Germany)

15:40- 16:00 - Georg Müller-Christ and Anna Katharina Liebscher, University of Bremen, Germany
Advanced Training for Sustainability Change Agents – Insights and Experiences from a Seminar Series Using the Method of Systemic Constellations

Session 4B: Holistic approaches to Sustainable Development involving Curriculum, Research and Operations (Room 4.08) - Chair: Chris Shiel

14.40-15.00 - Mathias Bouckaert, University of Versailles Saint-Quentin-en-Yvelines, France
The Sustainable Campus Observatory: a comprehensive framework for benchmarking university performance toward sustainability

15.00 - 15.20 - Tim Lang and Christopher Kennedy, University of Toronto, Canada
Campus ecological footprint vs. the global influence of sustainability related campus activities: how do they compare?

15:20- 15:40 - Darren Reidy, Maria J. Kirrane, Barrie Curley, Denis Brosnan, Stephan Koch, Paul Bolger, Niall Dunphy, Michelle McCarthy, Mark Poland, Yvonne Ryan Fogarty, John O'Halloran, University College Cork, Ireland
A Journey in Sustainable Development in an Urban Campus

15:40- 16:00 - Omar Osman, Kamarulazizi Ibrahim, Kanayathu Koshy and Marlinah Muslim, University of Malaysia, Malaysia
The Institutional Dimension of Sustainability: Creating an Enabling Environment for Sustainability Transformation at USM

Session 5: Student Participation and Engagement in Sustainability Issues (Room 4.44) – Chair: James Longhurst

14.40-15.00 - Simon Mark Pole, University of Northampton Students' Union, UK
Embedding environmental sustainable development within social enterprise at the University of Northampton

15:00- 15:20 - Maria Xypaki, City University London Students' Union
An innovative model of student-led sustainability in higher education. Green Dragons, City University London Students' Union



15:20- 15:40 - Scott Reid and Victor Pepple, University of Bedfordshire Students' Union, UK

A new venture into sustainability - Establishing a multi-disciplinary sustainability project in a Higher Education Institution and engaging the University population

15:40- 16:00 - Nandhivarman Muthu, Poyyamoli Gopalsamy, Golda A. Edwin, Bhaskaran S, Nakkeeran M., Pondicherry University, India

Implementing a Holistic and Student Centered Outreach Programme Towards the Sustainable Development of the Campus

16.00-16.30 – Break and visits to the displays

16.30-17.30- Parallel sessions: 1, 2, 3, 4 and 5

Session 1A: Implementing Sustainable Development in the Curriculum (Room 3.02) - Chair: Callum Thomas

16.30-16.50 - Susan Brown, University of Manchester, UK

What does my subject discipline have to do with environmental sustainability?

16.50-17.10 - Markus Will and Lars Rydén, University of Applied Sciences Zittau/Görlitz, Germany

Trans-disciplinarity in Sustainability Science and Education

17.10-17.30 - Vassilios Makrakis and Nelly Kostoulas-Makrakis, University of Crete, Greece

A Strategic Framework for Developing Interdisciplinary Minors on Climate Change and Sustainability Policy: The CLIMASP-Tempus Example

Session 1B: Implementing Sustainable Development in the Curriculum (Room 4.04) – Chair: Alexandra Mifsud

16.30-16.50 - Arlinda Beka and Adriano Ciani, University of Prishtina, Kosovo
Promoting Education for Sustainable Development at the University of Prishtina, Kosovo

16.50-17.10 - Jurgis Kazimieras Staniškis and Eglė Katiliūtė, Kaunas University of Technology, Lithuania

Engineering Education for Sustainable Industries: Approach, Implementation and Accreditation

17.10.17.30- Longhurst, J., Gough, G., Hills, S. and Grant, M. University of the West of England, Bristol

Developing a holistic approach to implementing education for sustainable development across a higher educational institute: A longitudinal study of the University of the West of England, Bristol



Session 2: Implementing Sustainable Development in Research and in Community and Outreach Programmes (Room 4.05) – Chair: Christine Blackmore

16.30-16.50 - Joost Platje and Eckhard Burkatzki, Opole University and Wrocław School of Banking, Poland
Science and policy for sustainable development: Bad scientific practice and plagiarism

16.50-17.10 - Antonio Boggia, Cinzia Buratti, Adriano Ciani, Stefano Casadei and Stella Giordano, University of Perugia, Italy
The experience of training of experts in Sustainable Development at the University of Perugia

17.10-17.30 - Iolanda Bueno de Camargo Cortelazzo, Universidade Tecnológica Federal do Paraná, Brazil
Preparing teachers for sustainable development in higher education

Session 3: Implementing Sustainable Development in Campus Activities, Facilities/Operations (Room 4.06) – Chair: Mark Mifsud

16.30-16.50 - Helena Tinker and Konstantinos Tzoulas, Manchester Metropolitan University, UK
The benefits and challenges of developing and implementing an environmental management system using a participatory approach: a case study of Manchester Metropolitan University, UK

17.10-17.30 - Marisa Sartori Vieira, Patricia Cristina Silva Leme and Vânia Gomes Zuin, Federal University of São Carlos, Brazil
Students' views of environmental issues: the experience of a Federal Brazilian university

17.10-17.30 - Adriana Bueno Lanchez, Bolivian Catholic University San Pablo, Bolivia
Streamlining the energy matrix of the Academic Unit of Carmen Pampa

Session 4A: Holistic approaches to Sustainable Development involving Curriculum, Research and Operations (Room 4.07) – Chair: Astrid Sundsbø

16.30-16.50 - Robert Fryer, Philadelphia University, USA
The application of systems thinking to the sustainable design process



16.50-17.10 - Angelo Riccaboni and Francesca Trovarelli, University of Siena, Italy

Transition towards sustainable development: the role of universities

17.10-17.30 - Anthony C. Ijeh, Jeremy Brown and Ali Wad Haleeb, University of Buraimi, Oman

Education and Sustainable Development in Oman: the contribution from higher education

Session 4B: Holistic approaches to Sustainable Development involving Curriculum, Research and Operations (Room 4.08) – Chair: Valeria Vargas

16.30-16.50 - Ros Wade, London South Bank University, UK

Developing an ESD learning community of practice in sub Saharan Africa: 8 years of the distance learning masters programme at London South Bank University

16.50-17.10 - Lisiane Celia Palma and Eugênio Ávila Pedrozo, Federal University of Rio Grande do Sul, Brazil

A Complex Framework: Expanding the Understanding of the Human Being and Organizations to Integrate Sustainability in Education and Promote Transformative Learning

17.10-17.30 - Mirjam Minderman, Sustainable Development Initiative, The Netherlands

Business and management education for sustainable development: a process for creating sustainable public value

Session 5: Student Participation and Engagement in Sustainability Issues (Room 4.44) – Chair: Vincent Caruana

16.30-16.50 - Charlotte Taylor, Rachel Drayson, National Union of Students, UK

The student voice: Experiences of student engagement in education for sustainable development

16:50 – 17:10 - Marija Klõga and Alvina Reihan, Tallinn University of Technology, Estonia

Students' vision on integrating sustainable development at Tallinn University of Technology

17:10 – 17:30 - Julian Priddle, Alison J. Greig and Ella Wiles, Anglia Ruskin University, UK

Students' attitudes to sustainability and employability skills: expectations from the university curriculum

19.00- Reception at Manchester City Hall



Friday 5th September 2014



09.00-10.30- Plenary presentations (Room G.36) Chair: Walter Leal

09.00-09:30 Rudi Pretorius and Joan Fairhurst , University of South Africa, South Africa

The role of Geography in multi-inter-trans-disciplinary study programmes for environmental sustainability

09.00 – 09.30 - Yovana M. B. Saavedra, Fabio Neves Puglieri, Vitor Ranieri, Rosane A. Aranda, Patrícia Silva Leme, Aldo Roberto Ometto, University of Sao Paulo, Brazil

Sustainability at the University of Sao Paulo (USP), São Carlos Engineering School (EESC)-Brazil

10.00 – 10:30 – Garry Blair & Alberto Paucar-Caceres, Manchester Metropolitan University

Using a Systemic Approach to teach Sustainability on Project Management Courses at Manchester Metropolitan University: Reflections on good practice

10.00-10.30- Discussion

10.30-11.00- Break

11.00-13.00- Parallel Sessions: 1, 2, 3, 4 and 5

Session 1A: Implementing Sustainable Development in the Curriculum (Room 4.04) – Chair: Adriano Ciani

11.00-11.20 - Brack W. Hale and Alison Vogelaar, Franklin University, Switzerland
The Road Less (Sustainably) Traveled: A Case Study of Academic Travel at Franklin University Switzerland

11.20-11.40 - Christine Blackmore, Ray Ison and Martin Reynolds, The Open University, UK
Thinking differently about sustainability: experiences from the UK Open University

11:40 – 12:00 - Georgina K. Gough and James W.S. Longhurst, University of the West of England, Bristol, UK
Embedding Sustainability across the Curriculum via Collaboration: a review of progress in the University of the West of England

12:00 – 12:20 - Luis S. Vargas and Claudia Mac Lean, University of Chile, Chile
A Minor Programme on Sustainability for the Engineering Curriculum at the University of Chile

12:20 – 12:40 - Vanda Viegas, Ulisses Azeiteiro, Fatima Alves, Universidade Aberta, Portugal
Approaching Climate Change in Higher Education: a Social Sciences perspective



Session 1B: Implementing Sustainable Development in the Curriculum (Room 4.05)- Chair: Joost Platje

11.00-11.20 - Neil Gordon, University of Hull, UK
Sustainable Development as a framework for ethics and skills in Higher Education Computing courses

11.20-11.40 - Diana J. Pritchard and M Atlay, University of Bedfordshire, UK
Sustainability and employability: alliances for graduate future worlds

11.40-12.00 – Natalia Tikhomirova, Siarhei Zenchanka, Siarhei Malchenka, MESI, Russia, Belarus
Problem-based learning in developing a MSc Curriculum on Sustainable Development

12.00-12.20 - Bárbara Pacheco Lopes, Laís Sanchez Assumpção, Yovana M. B. Saavedra, Fabio Neves Puglieri, Affonso Azanha, Patrícia Silva Leme, Aldo Roberto Ometto, University of São Paulo, Brazil
Analysis of sustainability content into undergraduate engineering curriculum at the Engineering School of Sao Carlos, University of São Paulo, Brazil

12.20-12.40 - Maicom Sergio Brandão, Patricia C. Silva Leme, Callie Loubser, Johann Dreyer, Soul Shava, Welington Braz Carvalho Delitti, University of São Paulo, Brazil
The application of Ecological Footprint analysis to distance learning university contexts: a case study of the College of Education, University of South Africa

Session 2: Implementing Sustainable Development in Research and in Community and Outreach Programmes (Room 4.06) – Chair: Rudi Pretorius

11.00-11.20 - Alexandra Mifsud, University of Malta, Malta
Developing action strategies for sustainable living amongst employees

11.20-11.40 - Bruno V. Kobiski, Eloy F. Casagrande Jr and Gabriel Pendleton, Federal University of Technology of Paraná, Brazil
Carbon stored in a sustainable university building: Bringing education to practice

11.40-12.00 - Astrid Ouahyb Sundsbø, Benjamin R. K. Runkle, Sarah McMonagle, Kerstin Jantke, Florian Lottermoser, Manuel Gottschick, Sönke Häsel, Juan Miguel Rodriguez Lopez and Marcus Scheele, University of Hamburg, Germany
One metaphor – several meanings: An interdisciplinary approach to sustainable development

12.00-12.20 - Bruna Grascyela Schaefer Paese and Márcia Cassitas Hino, ISAE Brazil
Overview of the sustainability in Brazilian Information and Communications Technology market



12.20-12.40 - José Baltazar Salgueirinho Osório De Andrade Guerra, Youssef Ahmad Youssef, Leandro Piazza dos Santos and Ane Cristina Figueiredo Pereira de Faria, Universidade do Sul de Santa Catarina -- UNISUL, Brazil

Social Feasibility in the Adoption of Renewable Energy: A Case Study of REGSA Project

12.40-13.00 - M. Olga Guerrero-Pérez, Gustavo Román and Concepción Travesedo, UNED Malaga, Spain

Improvements for a sustainable distance education with the new UNED on-site system for virtualization of exams: Malaga region (Andalucía, Spain) as case study.

Session 3: Implementing Sustainable Development in Campus Activities, Facilities/Operations (Room 4.07) - Chair: Luciana Brandli

11.00-11.20 - Markus Will, Anke Zenker-Hoffmann, Jana Brauweiler, Bernd Delakowitz and Sebastian Riedel, University of Applied Sciences Zittau/Görlitz, Germany

Every end is a new beginning – a realignment and re-launch of an Environmental Management System at a German university following a 15 years maintaining period

11.20 – 11.40 - Fayyaz Vellani and Naveed Nanjee, University of Edinburgh, UK
Incorporating an ethos of sustainability into the conceptualisation and development of an academic building: the Kings Cross Development in London

Session 4: Holistic approaches to Sustainable Development involving Curriculum, Research and Operations (Room 4.08) - Chair: Antje Disterheft

11.00-11.20 – Antje Danielson and Panagiota Kaltsa, Tufts University, USA
Increasing Global Environmental Literacy via Faculty Experiential Learning

11.20-11.40 - Daniela Cassia Sudan and Vânia Gomes Zuin, Federal University of São Carlos, Brazil

Action research from a critical perspective: analysis of an environmental education program for employees at a Brazilian public university

11.40-12.00 - Véronique Bisailon, Mourad Ben Amor and Alain Webster, Université de Sherbrooke (Canada)

Sustainable development integration strategies in higher education: Case study of two universities and five colleges in Quebec

12.20-12.40 - Eglė Katiliūtė and Jurgis Kazimieras Staniškis, Kaunas University of Technology, Lithuania

Sustainable university for regional development: quality management model that integrates employer and social partner attitudes

12.40-13.00 – Vincent Caruana, University of Malta, Malta

Civic Action for Sustainable Futures: What role for Adult Environmental Education?



13.00-14.00- Lunch and visits to the displays

14.00-15.30- Guided Tours of MMU Campus

15.30-16.00 – Break and visits to the displays

16.00-17.00- Final Plenary session: Towards Future Trends

Chair: Ian Patton, Chief Executive, Environmental Association for Universities and Colleges, UK

Panelists

- Julie Newman, Massachusetts Institute of Technology, USA
- Izael Da Silva, Strathmore University, Kenya
- Patricia Cristina Silva Leme, University of São Paulo, Brazil
- John Hindley, Manchester Metropolitan University, UK

Evening

19.00-22.00 – Gala Dinner at Manchester Science Museum and handing over of the “Best Papers Awards”



POSTERS AND DISPLAYS

- 1. Sima I. Mpofu**, Olds College, Canada
An instructor's experience: Implementing sustainable development in the curriculum
- 2. Rudi Pretorius, Melanie Nicolau, Jaco Immelman, Anna de Jager, Marie Nöthling, and Anja du Plessis**, University of South Africa, South Africa
Virtual learning environments for transformation to sustainability: A case study from the "South"
- 3. Clare Hagerup and Russell Woodward**, University Centre, Grimsby Institute Group
The Deployment of Sustainability in the Higher Education (HE) Business Studies Curriculum: Centrality, Pervasiveness and Practical Teaching and Learning
- 4. Maximilian Karl Votteler and Antonio Gomes Martins**, Universidade de Coimbra, Portugal
A Sustainable Development Management System for the University of Coimbra
- 5. Sabine Pongratz and André Baier**, Technische Universität Berlin, Germany
Encouraging Engineering Students to Question Technological Solutions for Complex Ecological and Social Problems.
- 6. Mihaela Sima, Ines Grigorescu, Dan Balteanu, Georgi Zhelezov**, Institute of Geography, Romania
Fostering community outreach activities for environmental sustainability through a cross-border academic research partnership
- 7. Eduardo Pavan Korf, Denise Daris, Luciana Londero Brandli, Marcos Antonio Leite Frandoloso and Julius Sebastian Soares Schwanz**, University of Passo Fundo, Brazil
Quality air monitoring in a Brazilian University: the use of passive samplers
- 8. Elen Peetsmann**, Estonian University of Life Sciences, Estonia
Implementation of sustainable development at the Estonian University of Life Sciences
- 9. Carolina Collaro**, Nova Gorica University, Italy
University Networks in Italy and their intellectual contribution to implement sustainable development issues in the CVs.



- 10. Sara Petchey and Annuscha Wassmann**, University of Zurich, Switzerland
First steps towards sustainability at the University of Zurich
- 11. M. Cooper, Adriano C. Pimenta, Aline Mellucci, Ana Maria de Meira, Arthur R. Silva, Maria Cecília H. T. Cavalheiro, Clara M. Zorigian, Daniela C. Sudan, Danilo Vitorino, Elizabeth T. Lima; Fabrício Rossi, Glauco A. Tavares, Juliana Monti, Maria Estela Gaglianone Moro, Patricia B. Di Vitta, Patrícia G. Moreira, Patrícia C. S. Leme, Simone B. J. Simonelli, Tamara Gomes, Vera Gandra C. Albuquerque, Wellington B. C. Delitti and Marcelo Romero**, University of São Paulo, Brazil
Elaboration and implementation of a Waste Management Policy at the University of São Paulo (USP)
- 12. Sadiq Hussain**, Sultan Qaboos University, Oman
Introducing sustainability values: The case of the Ibri College of Applied Sciences (Sultanate of Oman)
- 13. James W.S. Longhurst, Georgina K. Gough, Marcus Grant and Sarah Hills**, University of the West of England, Bristol, UK
Developing a Holistic Approach to Implementing Education for Sustainable Development across a Higher Educational Institute. A longitudinal study of the University of the West of England, Bristol
- 14. Daniela Cássia Sudan, Ana Maria de Meira, Marcos Sorrentino, Fernanda da Rocha Brando Fernandez, Rosana Silva, Laura Alves Martirani, Denise Maria Gândara Alves; Paulo Diaz Rocha, Silvia Ap M. dos Santos, Taitiany Karita Bonzanini, Maria Estela Gaglianone Moro, Wellington Braz Delitti and Marcelo de Andrade Romero**, University of São Paulo, Brazil
Environmental education for staff at the University of São Paulo, Brazil: capillarity and critical environmental education put into action
- 15. Madhavi Venkatesan**, Bridgewater State University, USA
Values, Behaviors, and Economic Outcomes: Sustainability in the Teaching of Economics
- 16. Chris Willmore**, University of Bristol, UK
Working with the UNESCO definition: the importance of language and ownership in working to embed sustainability in the curriculum across the whole institution
- 17. Chris Willmore**, University of Bristol, UK
Linking sustainability and enterprise education: reflections from the UK



18. Prof. Arlindo Philippi Jr, USP Capital Campus Mayor, and Prof. Tercio Ambrizzi, Deputy Mayor

Prefecture of the University of São Paulo Capital Campus (USP)
University of Sao Paulo Sustainable Campus: challenges and prospects

19. Prof. Arlindo Philippi Jr, USP Capital Campus Mayor, and Prof. Tercio Ambrizzi, Deputy Mayor

Prefecture of the University of São Paulo Capital Campus (USP)
Strategies for sustainability policies at USP

20. Prof. Arlindo Philippi Jr, USP Capital Campus Mayor, and Prof. Tercio Ambrizzi, Deputy Mayor

Processes of lighting modernization technique at USP Campus

21. Aldilla Dharmasasmita, Petra Molthan-Hill and Helen Puntha, NTU Green Academy

Food for thought: Sustainability in Practice

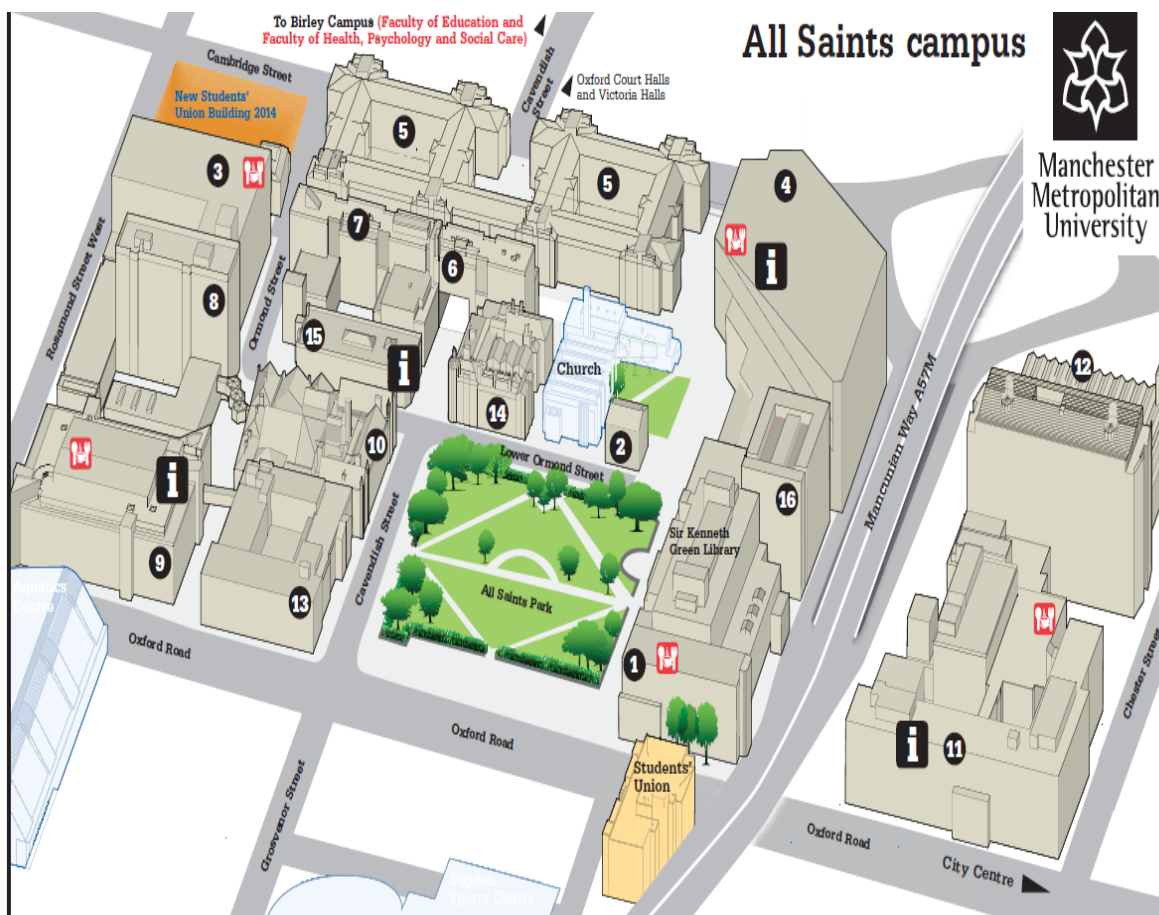
22. Nandhivarman Muthu, Poyyamoli Gopalsamy, Golda A. Edwin, Bhaskaran S, Nakkeeran M., Pondicherry University, India

Implementing a Holistic and Student Centered Outreach Programme Towards the Sustainable Development of the Campus



MAP OF THE ALL SAINTS CAMPUS OF MANCHESTER METROPOLITAN UNIVERSITY

(The Symposium will be held at Building 4 –Business School & Students Hub)



- | | | | |
|---|--|---|--|
| <p>1 All Saints
All Saints Snack Bar</p> <p>2 Bellhouse</p> <p>3 Benzie Building
Manchester School of Art
Art School Café</p> <p>4 Business School & Student Hub
Faculty of Business and Law
Student Hub
Lish Café and Lish Kitchen</p> | <p>5 Cambridge Halls of Residence</p> <p>6 Cavendish Halls of Residence</p> <p>7 Cavendish</p> <p>8 Chatham</p> <p>9 Geoffrey Manton
Faculty of Humanities, Languages and Social Science
Student Hub
Atrium Café</p> | <p>10 Grosvenor</p> <p>11 John Dalton
Faculty of Science and Engineering
Student Hub
Food Zone</p> <p>12 John Dalton West</p> <p>13 Mabel Tylecote
Capitol Theatre</p> <p>14 Ormond</p> | <p>15 Righton
Hollings Faculty
Student Hub</p> <p>16 Sandra Burslem
Manchester Law School</p> <p>Address
Oxford Road, Manchester, M15 6BH
Reception tel: + 44 (0)161 247 1324</p> |
|---|--|---|--|



Partner Projects

The following projects are partner projects of WSSD-U-2014:

Baltic Flows
(EU-FP7)



Energy Efficient Cities (PLEEC)
(EU-FP7)



E-Mobility North Sea Region
(EU- Interreg IVB North Sea)



German Polish Energy Efficiency Project (GPEE)
(German Ministry of Science and Technology)



REGSA
(EU- Europe-AID Programme)



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