



## Day 1 — Wednesday 27 June

15:00–17:45	<b>Registration</b>	Room M201
18:30	<b>Civic reception</b> Welcome to Glasgow <ul style="list-style-type: none"> <li>• Lord Provost</li> </ul> SUE-MoT Launch and Conference Background <ul style="list-style-type: none"> <li>• Prof. Malcolm Horner (SUE-MoT Principle Investigator, University of Dundee)</li> </ul>	

## Day 2 — Thursday 28 June

8:00–9:00	<b>Registration continues / Coffee</b>	Room M201
9:00–11:00	<b>Welcome and Opening Plenary</b> Welcome to Glasgow Caledonian University <ul style="list-style-type: none"> <li>• Prof. Pamela Gillies (Principal and Vice-Chancellor of Glasgow Caledonian University)</li> </ul> Welcome to the conference <ul style="list-style-type: none"> <li>• Paul Overall CBE (Chief Executive of LABC)</li> </ul> Keynote speeches: <ul style="list-style-type: none"> <li>• Prof. Raymond Cole (University of British Columbia, Canada)</li> <li>• Dr Bob Frame (Landcare Research, New Zealand)</li> <li>• Prof. Jan Rotmans (Erasmus University, Rotterdam, The Netherlands)</li> </ul>	Room A005
11:00–11:30	<b>Coffee Break</b>	Room M201
11:30–13:00	<b>Parallel Session 1</b>	Rooms A005, M001 and A303
13:00–14:00	<b>Lunch</b>	Room M201
14:00–15:30	<b>Parallel Session 2</b>	Rooms A005, M001 and A303
15:30–16:00	<b>Coffee Break</b>	Room M201
16:00–17:30	<b>Parallel Session 3</b>	Rooms A005, M001 and A303
19:30	<b>Drinks reception and conference dinner</b>	

## Day 3 — Friday 29 June

9:00–9:30	<b>Registration continues</b>	Room M201
9:30–11:00	<b>Parallel Session 4</b>	Rooms A005, M001 and A303
11:00–11:30	<b>Coffee Break</b>	Room M201
11:30–13:20	<b>Parallel Session 5</b>	Rooms A005, M001 and A303
13:20–14:20	<b>Lunch</b>	Room M201
14:20–15:50	<b>SUE-MoT Workshop</b> Assessing Sustainability Impacts of a Built Environment <ul style="list-style-type: none"> <li>• Facilitator: Prof. Malcolm Horner (University of Dundee)</li> </ul>	Room M001
15:50–16:00	<b>Closing Plenary</b>	Room A005

Most parallel sessions last 1 hour 30 minutes and contain four presentation slots with each slot consisting of 15 minutes for the presentation followed by 5 minutes for associated questions. In order to accommodate an additional presentation in session 5c, parallel session 5 will last an extra 20 minutes.



**11:30-13:00 Parallel Session 1**

**1A Planning, Regeneration and Infrastructure**

- 1 *Assessment methods and tools for regeneration of large urban distressed areas* (Aleksandra E. Kazmierczak, Stephen R. Curwell, Jemma C. Turner)
- 2 *OIKOS: An integrated approach towards sustainable spatial planning and management: application to an urban-periurban area* (M. Olazabal, A. Urzelai, G. Garía, K. Herranz, B. Abajo, E. Feliú, O. Santa Coloma, I. Aspuru)
- 3 *The Development of the Index 21 Housing Layout Tool: The Assessment of Non-Monetary Environmental Benefits* (J. Scott, G. Deveci, B. Brogden)
- 4 *A spatial decision support system for strategic urban re-development: the case study of Turin Porta Nuova in Italy* (G. Roccasalva, Isabella M Lami, P. Lombardi)

**1B Sustainable buildings: design, performance and assessment**

- 1 *Sustainable housing projects in the UK: a pilot study* (Ranya Essa, Chris Fortune, Kate Carter)
- 2 *Blurring boundaries in the theory and practice of sustainable building design* (Raymond J. Cole, Daniel Pearl)
- 3 *Design for disassembled: support for urban sustainability in Australia* (Graham Brewer, James Mooney)
- 4 *"Cradle-to-Cradle" — A concept for the disposal of buildings at the end of their lives?* (Michael Simon, Mohamed El-Haram, Malcolm Horner)

**1C Integration and complexity: Matisse Project**

- 1 *Integrated Sustainability Assessment: what is it, why do it and how?* (Paul M. Weaver, Jan Rotmans)
- 2 *A Conceptual Framework for Transition Modelling* (J. David Tàbara, Patrick Wallman, Bodil Elmquist, Akgun Ilhan, Cristina Madrid, Lennart Olson, Michael Schilperoord, Pieter Valkering, Paul Weaver)
- 3 *Participatory Modelling for the Integrated Sustainability Assessment of Water: the World Cellular Model and the MATISSE Project* (J. David Tàbara, Patrick Wallman, Bodil Elmquist, Akgun Ilhan, Cristina Madrid, Lennart Olson, Michael Schilperoord, Pieter Valkering, Paul Weaver)
- 4 *Sustainable transport visions: expert and non-expert stakeholder perspectives on sustainable transport* (Lorraine Whitmarsh, Alex Haxeltine, Martin Wietschel)

**14:00-15:30 Parallel Session 2**

**2A Planning, Regeneration and Infrastructure**

- 1 *Urban Design for Sustainability: Parameters of Place Formation as Tools of Sustainability Projects in the Case of Temelli, Ankara, Turkey* (Nerkis Kural)
- 2 *Sustainability indicators and their application in decision-making processes of Eastside, Birmingham, UK* (D.V.L. Hunt, D.R. Lombardi, C.D.F. Rogers, I. Jefferson)
- 3 *Application of the analytic network process and the multi-model framework to an urban upgrading case study* (Patrizia L. Lombardi, Isabella M. Lami, Marta Bottero, Cinzia Grasso)
- 4 *The Use of the Analytic Network Process for the Sustainability Assessment of an Urban Transformation Project* (Marta Bottero, Giulio Mondini, Marco Valle)

**2B Sustainable Communities**

- 1 *Social Capital and Energy Efficiency in Urban Householders* (Megan McMichael)
- 2 *Determinants of Social Capital: Prioritising Issues for Holistic Urban Sustainability Assessments* (Cletus Moobela, Andrew D.F. Price, Peter J. Taylor, Vivek N. Mathur)
- 3 *Using EIA for the assessment of environmental inequities associated with proposed urban development in the UK* (Jonathan Walton, Cliff Hardcastle)
- 4 *Examining the Environmental Justice Component of Urban Sustainability: A Comprehensive Analysis Including Economics, Collective Action, Ethnicity, and Age* (Heather E. Campbell, Laura R. Peck, Michael K. Tschudi)

**2C Integration and complexity**

- 1 *Development of an Integrated Sustainability Assessment Toolkit* (Mohamed El-Haram, Jonathan Walton, Malcolm Horner, Cliff Hardcastle, Andrew Price, Jan Bebbington, Craig Thomson, Toby Atkin-Wright)
- 2 *A Review of Sustainability Assessment Methodologies* (Emmanuel Adinyira, Samuel Oteng-Seifah, Theophilus Adjei-Kumi)
- 3 *The argument against a reductionist approach for assessing sustainability* (Alexandros Gasparatos, Mohamed El-Haram, Malcolm Horner)
- 4 *Increasing Discrimination in Multi-Criteria Analysis* (Valeriy Barannik, David Blackwood, Ruth Falconer)

**16:00-17:30 Parallel Session 3**

**3A Planning, Regeneration and Infrastructure**

- 1 *Demographic Change and Infrastructure Cost — A Calculation Tool for Regional Planning* (Georg Schiller)
- 2 *Can Green Infrastructures Promote the Urban Renaissance and Aid Urban Sustainability?* (Ian C. Mell)
- 3 *Transformation processes of large railway stations in Europe: when the urban quality is directly related to the positional value* (Isabella M. Lami)
- 4 *Assessment of traffic congestion in Akure, Nigeria using GIS approach: lessons and challenges for urban sustenance* (E.F. Ogunbodede)

**3B Sustainable Communities**

- 1 *Sustainable community indexing, a process approach* (Joseph H. Konen, Casey W. Hoy, Maria Manta Conroy, Krishna P. Vadrevu)
- 2 *Assessing transitions to sustainable housing and communities in the UK* (Noam Bergman, Lorraine Whitmarsh, Jonathan Köhler, Alex Haxeltine, Michel Schilperoord)
- 3 *Using Resident Formulated Multi-Dimensional Indicators to Assess Urban Communities' Progress Toward Meeting Sustainability Goals* (Myra L. Moss, William T. Grunkemeyer)
- 4 *Blueprints for Resilient Communities — Micro-comprehensive Sustainability Planning in Baltic Sea Urban Local Areas* (P.G. Berg, Tuula Eriksson, Madeleine Granvik)

**3C Stakeholders, Participation and Values**

- 1 *Impacts of Participants' Values on Sustainability of Construction Projects* (Richard Fellows, Anita Liu)
- 2 *Carbon Footprinting Reporting as a Tool to Support Sustainable Practices for Scottish SMEs* (Charles Russell, Kirsty Hunter, Sheila Scott and Geraldine Trufil)
- 3 *Extelligence: A New Angle on Sustainability?* (K. Keignaert)
- 4 *Defining, identifying and mapping stakeholders in the assessment of urban sustainability* (Vivek N. Mathur, Andrew D.F. Price, Simon Austin, Cletus Moobela)



**9:30–11:00 Parallel Session 4**

**4A Stakeholders, Participation and Values**

- 1 *Educating for urban sustainability: a trans-disciplinary approach* (Graham Brewer, Thayaparan Gajendran, Chris Landorf, Anthony Williams)
- 2 *The role of visualisation in effective sustainability assessment* (John Isaacs, David Blackwood, Ruth Falconer, Daniel Gilmour)
- 3 *Progress towards sustainable development in a knowledge society in Italy and EU* (Patrizia L. Lombardi, Ian Cooper)
- 4 *Surfing the Landscape of Barriers and Incentives to Sustainability Assessment in an Urban Development Context* (Cletus Moobela, Andrew D.F. Price, Abigail L. Bristow)

**4B Sustainable buildings: design, performance and assessment**

- 1 *Assessment Focus for More Sustainable Buildings* (Branka Dimitrijevic, David Langford)
- 2 *Experiences of applying a sustainability assessment model* (Jo-Anne E. Cavanagh, Bob Frame, Michael Fraser, Jeremy Gabe)
- 3 *Combining Environmental Impact and Financial Cost Calculations with Quality Assessment at the Building Level* (K. Allacker, F. De Troyer)
- 4 *A framework model for assessing sustainability impacts of a built environment* (Yangang Xing, Malcolm Horner, Mohamed El-Haram, Jan Bebbington)

**4C Planning, Regeneration and Infrastructure**

- 1 *Urban sustainability through decentralisation and interconnection of energy, waste and water related solutions: Case EVA Lanxmeer, Culemborg (Netherlands)* (A. van Timmeren)
- 2 *Selecting sustainability indicators for urban energy systems* (James Keirstead)
- 3 *A decision support system for water cycle management in new developments: user scenarios for consideration of sustainability imperatives* (A. Louise Hurley, Stephen R. Mounce, Richard M. Ashley, Daniel Gilmour, Christos Makropoulos)
- 4 *More sustainable management of pollution: integrated approach, models and tools* (Carol Pettit, Adisa Azapagic, Abhishek Tiwary, Danielle Sinnett, Tony Hutchings, Chris Peachey, Cécile DeMunck, Winson Chung, Vida Sharifi, Jim Swithenbank, Zaid Chalabi, Tony Fletcher, Sotiris Vardoulakis, Chris Grundy, Giovanni Leonardi, Hywel Thomas, Peter Cleall, Martyn Jones, Stephan Jefferis)

**11:30–13:20 Parallel Session 5**

**5A Planning, Regeneration and Infrastructure**

- 1 *Sustainability investigation tools for water management in new developments* (Fayyaz A. Memon, David Butler, Shuming Liu, Patrick Sim, John Parsons, Richard Kellagher, Surajate Boonya-Aroonnet, Ana M. Millan)
- 2 *A GIS tool for modelling and visualising sustainability indicators across three regions of Ireland* (Jennifer Donlan, Bernadette O'Regan, John Morrissey, Walter Foley, John Leonard, Richard Moles)
- 3 *Sustainable Timber Frame Diaphragm Development* (R. Hairstans, R. Dodyk, A. Kermani)
- 4 *Urban Sustainability and Ageing: Uncovering the critical links between the urban environment and successful ageing in place* (Chris Landorf, Graham Brewer, Lorraine Sheppard)

**5B Sustainable buildings: design, performance and assessment**

- 1 *Sustainable building in significance architectural contexts: a proposal for the area of "La Martella" in Matera* (Antonella Guida, Fabio Fatiguso, Antonello Pagliuca)
- 2 *Examining the Role of Building Envelopes Towards Achieving Sustainable Buildings* (Irene Lee, Robert Tiong)
- 3 *Urban Sustainability: Comparative Value of Building-Top Apartments* (Gordon Holden, Morten Gjerde)
- 4 *Sustainability development and capital investments: exploring planning in public housing and higher education building construction* (Deniz Zeynep Leuenberger)

**5C Stakeholders, Participation and Values**

- 1 *Sustainability Appraisal and Public Examination of a Regional Spatial Strategy* (Bob Giddings, Geoff Porter, Elaine Paterson, Kate Theobald)
- 2 *Implementing principles of sustainable development: the role of partnership and collaboration in the design and construction of a new housing development at Upton, Northampton, UK* (J.I. Jackson)
- 3 *A sustainability enhancement framework for the Dundee Central Waterfront Development* (Daniel Gilmour, David Blackwood, Les Banks, Fergus Wilson)
- 4 *The role of knowledge management in urban sustainability assessment* (Craig Thomson, Mohamed El-Haram, Jonathan Walton, Cliff Hardcastle, James Sutherland)
- 5 *Sustainable Management of Urban Soils: Seeking Expert Consensus Through Computer Mediated Decision Making* (Iain Hossack, Douglas Robertson, Andrew Hursthouse, Peter Tucker)