



# SUSTAINABLE BUILT ENVIRONMENT TORINO 2016

## TOWARDS POST-CARBON CITIES PROGRAMME

### WEDNESDAY 17 FEBRUARY 2016

#### WELCOME GALA

18.00 - 20.30

SALA COLONNE, CASTELLO DEL VALENTINO

Viale Mattioli, 39

Open to all conference participants

**18.00** Advance Conference registration

**18.30** Welcome cocktail

**19.00** Official greetings, including a welcome from Piero Fassino, Mayor of Torino

**19.30** Concert for piano and flute

### THURSDAY 18 FEBRUARY 2016

#### REGISTRATION

8.30 - 9.00

LINGOTTO LOBBY

Via Nizza, 230

#### PLENARY SESSION

9.00 - 11.00

LINGOTTO, AULA MAGNA

**9.00** Welcome from the City of Torino

Stefano Lo Russo, *City Planning Councillor*

**9.10** Welcome from the Politecnico di Torino

Romano Borchiellini, *Vice Rector for Logistics, Organization and Infrastructure, Politecnico di Torino*

**9.15** Introduction to SBE16 Torino

Patrizia Lombardi, *Director, DIST Politecnico di Torino* and Andrea Moro, *President, iiSBE Italia*

**9.45** COP21, Buildings Day and the Global Alliance on Buildings and Construction

Nils Larsson, *Executive Director, iiSBE*

**10.00** Keynote: Hong Kong in combating climate change – Concerted effort of the Government of the HKSAR and the Hong Kong Green Building Council

Ir Cary Chan, *Executive Director of Hong Kong Green Building Council*

**10.30** Keynote: Integrated Strategy to Sustainable Urban Planning – Key Principles

Serge Salat, *President, Urban Morphology and Complex Systems Institute*

#### COFFEE BREAK

11.00 - 11.30

LINGOTTO, BREAK AREA



CITTA' DI TORINO

---

**FASUDIR INTEGRATED DECISION SUPPORT TOOL DEMO**

**11.30 - 13.00**

LINGOTTO, AULA MAGNA

PRESENTER AND CHAIR: Nick Purshouse, *Integrated Environmental Solutions*

---

**SUSTAINABLE UNIVERSITY CAMPUSES**

**11.30 - 13.00**

LINGOTTO, ROOM 203

MODERATOR: Romano Borchiellini, *Politecnico di Torino*

**Toward a Strategy for Sustainable Campuses: The Road from Little Victories to Systemic Transformation**

Giulia Sonetti, *Interuniversity Department of Regional and Urban Studies and Planning, Politecnico di Torino*

**Smart and Sustainable Transport Through University Campus**

Codrin Cuciurean, *Scientific Research and Continuous Training Center for Sustainable Automotive Technologies, University Politehnica of Bucharest*

**Bespoke Approach for Maintenance Management of Facilities at Nigerian Public Universities**

Anita Dzkwi Adamu, *Department of Construction Management, Nelson Mandela Metropolitan University*

**Energy Efficiency in a Large University: The Experience of the University of Turin**

Dario Cottafava, *University of Turin*

---

**LUNCH**

**13.00 - 14.00**

LINGOTTO, BREAK AREA

---

**POLICIES & REGULATIONS FOR A SUSTAINABLE BUILT ENVIRONMENT**

**14.00 - 15.30**

LINGOTTO, ROOM 204

MODERATOR: Ida Kiss, *ABUD*

**Local Sustainability Profiles - A New Approach for Strategies for Sustainable Urban Development**

Peter Ulrich, *ICLEI European Secretariat*

**The "Berlin Water-CSOP" - Maintaining a Clean Spree**

Jens Lowitzsch, *EUV Viadrina*

**A National Research Agenda for Integrated Spatial Planning, Land Use and Soil Management**

Sarah Isabella Chiodi, *Politecnico di Torino*

**Energy Security Scenarios of Future Europe. Assessing The Impacts of Societal Processes**

Hamdi-Cherif Meriem, *CIREN*

**Evaluation and Design of the Environmental Quality for Industrial Areas: The Tuscany Case Study**

Paola Gallo, *Dipartimento DIDA, Scuola di Architettura, Università di Firenze*

**Policies and Regulations for a Sustainable Built Environment**

Akmal Rustamov, *Politecnico di Torino*

---

**DECISION MAKING METHODS AND TOOLS AT URBAN SCALE 1** 14.00 - 15.30

---

LINGOTTO, ROOM 205

MODERATOR: Valeria Ferrando, *Integrated Environmental Solutions*

**BIM-GIS Modelling for Sustainable Urban Development**

Sara Torabi Moghadam, *Interuniversity Department of Regional and Urban Studies and Planning, Politecnico di Torino*

**Tailoring the Next Generation Energy Management Tool for Smart Cities**

Sergio Jurado, *Sensing&Control Systems S.L.*

**Interactions of Shopping Centres with Local Energy Grids**

Matthias Haase, *SINTEF Building and Infrastructure*

**Interactive Visualization Tool (InViTo): a Web Visual Tool for Sharing Information in Territorial Decision-Making Processes**

Francesca Abastante, *Interuniversity Department of Regional and Urban Studies and Planning, Politecnico di Torino*

**Sustainable Neighborhood Regeneration: Holistic Decision Support Methodology supported by a Software Tool**

Paul Mittermeier, *Munich University of Applied Sciences*

**Ecosystem Services and Urban Planning. Tools, Methods and Experiences for an Integrated and Sustainable Territorial Government**

Carolina Giaimo, Dafne Regis, *Interuniversity Department of Regional and Urban Studies and Planning, Politecnico di Torino*

---

**SPECIAL SESSION:**  
**ODYSSEUS SOLUTIONS AND PILOT RESULTS** 14.00 - 15.30

---

LINGOTTO, ROOM 203

Organized by EU FP7 Project Odysseus

---

**COFFEE BREAK** 15.30 - 16.00

---

LINGOTTO, BREAK AREA

---

**SPECIAL SESSION:**  
**ODYSSEUS VALIDATION AND ADOPTION** 16.00 - 17.30

---

LINGOTTO, ROOM 203

Organized by EU FP7 Project Odysseus

---

**DECISION MAKING METHODS AND TOOLS AT URBAN SCALE 2** 16.00 - 17.30

---

LINGOTTO, ROOM 205

MODERATOR: Paul Mittermeier, *Munich University of Applied Sciences*

**Management Strategies for the Energy Saving of Public Buildings Through a Decision Support System**

Alice Gorrino, *Politecnico di Torino*

**Smart City Studies: Demonstrating How Urban Morphology Matters in "Under-gridding" the Sustainability of Energy Efficient - Low Carbon Zones**

Mark Deakin, *Edinburgh Napier University*

**Towards Sustainable Smart Urban District: a MACBETH Approach**

Francesca Abastante, *Interuniversity Department of Regional and Urban Studies and Planning, Politecnico di Torino*

**The Break-even Point: Impact of Urban Densities on Value Creation, Infrastructure Costs and Embodied Energy**

Serge Salat, *Urban Morphology and Complex Systems Institute*

**Post-Carbon City Planning. Backcasting Methods in Assessing Long-Term Urban Solutions**

Manila De Iuliis, *Municipality of Santo Stefano al Mare*

**A Stakeholder Analysis Typology for Inclusive Urban Planning**

Cecilia Zironi, *Politecnico di Torino*

---

**SUSTAINABLE URBAN DISTRICTS RETROFITTING** 16.00 - 17.30

---

LINGOTTO, ROOM 212

MODERATOR: Ander Romero, *TECNALIA*

**BIPV Solutions in Residential Renovations towards Nearly Zero Energy Districts**

David Martín, *Onyx Solar Energy S.L*

**The Ruhr, Virtuous Model of Upgrading?**

Chiara Cordopatri, *Politecnico di Torino*

**Cultivating a Village-Impulse in the Midst of Warsaw - the Jazdów-Settlement of Finnish-Houses**

Dariusz Smiechowski, *Interior Design Faculty, Academy of Fine Arts in Warsaw*

**Interconnection of Open and Closed Public Spaces in Historic City Centers In Russia**

Mariya Komarova, *Politecnico di Torino*

**Buildings Built with Industrialized Technology - Towards Nearly Zero-Energy Buildings in Central Europe**

Viktória Sugár, *Centre for Energy Research, Hungarian Academy of Sciences*

**The Role of Production Spaces in a Post-Carbon Vision**

Emanuele Protti, *Politecnico di Torino*

---

**SPECIAL SESSION:**  
**POLICIES FOR SUSTAINABLE URBAN DISTRICTS RETROFITTING** 16.00 - 17.30

---

LINGOTTO, ROOM 204

MODERATORS: Etienne Vienot, *CESBA* and Andrea Moro, *iisBE Italia*

Organized by EU FP7 project FASUDIR

With the participation of representatives from European cities, regions and the Covenant of Mayors

---

**CONFERENCE DINNER** 19.30 - 22.30

---

FIORFOOD

Galleria S. Federico, 26

Reserved to conference participants with dinner booking

## FRIDAY 19 FEBRUARY 2016

---

**REGISTRATION** 8.30 - 9.00

---

LINGOTTO, LINGOTTO LOBBY

Via Nizza, 230

---

**ASSESSMENT METHODS AND TOOLS** 9.00 - 10.30

---

LINGOTTO, ROOM 205

MODERATOR: András Reith, *ABUD Ltd.*

Applying a Neighbourhood Sustainability Assessment Tool to Practice: An Examination of BREEAM Communities 2012 in Providing an Analysis that is Strategic, Comprehensive and Integrated

Husam Alwaer, *School of Social Sciences, The University of Dundee*

Sustainable Neighbourhoods Retrofitting: Applying FASUDIR Indicators to Assess the Sustainability Performance of a Residential Neighbourhood in Wolfrathausen, Bavaria

Ahmed Khoja, *Munich University of Applied Sciences*

Smart and Sustainable Neighbourhood Assessment: Investigating the Human Perspective of Smart Neighbourhoods

Réka Tóth, *ABUD Ltd.*

The Potential Effect of New Information Disclosure Policies on Energy Savings Attributions for Commercial Buildings Programs

J.C. Martel, *University of Kansas*

Environmental Assessment Method for Decarbonised Urban Renewal

Barbara Gherri, *DICATeA - University of Parma*

---

**URBAN INFRASTRUCTURE FOR POST-CARBON CITIES**

9.00 - 10.30

LINGOTTO, ROOM 203

MODERATOR: Luis Bragança, *University of Minho*

**The 2012 London Games: Can Olympic Legacies be Sustainable?**

Simona Azzali, *Qatar University*

**The Transportation Sector as a Lever of Reducing Long-Term Chinese Mitigation Costs**

Hamdi-Cherif Meriem, *CIREA*

**Istanbul Metro: a Possible Example of Energy Geostructure**

Fabio Furno, *Politecnico di Torino*

**An Overview of Aerial Ropeway Transit and its Potential in Urban Environments**

Fanny Carlet, *Sustainable Urban Solutions, LLC*

**Cost Benefit Analysis and Smart Grids Projects**

Marta Bottero, *Interuniversity Department of Regional and Urban Studies and Planning, Politecnico di Torino*

---

**SYSTEMATIC APPROACHES TO SUSTAINABILITY**

9.00 - 10.30

LINGOTTO, ROOM 204

MODERATOR: Matthias Haase, *SINTEF*

**Integrated approach to sustainable building design programming**

Marianna Nigra, *Department of Architecture and Design, Politecnico di Torino*

**Nature-based Urban Transformation**

Kristin Barbey, *KIT - Karlsruhe Institute of Technology*

**Towards a Micro-Foundation of Urban Metabolism**

Alessandro Sciullo, *University of Turin*

**Growing or Steady Cities? Accounting the Urban Metabolism of Italian Cities**

Osman Arrobbio, *Dept. Culture, Politics and Society, University of Torino*

**Urban Symbiosis, a New Paradigm in the Shift Towards Post-Carbon Cities**

Karel Mulder, *TU Delft/The Hague University of Applied Science*

**PoliTo Innovation Design Lab - The Case Study of Innovation Design for Food**

Andrea Gaiardo, *Politecnico di Torino*

---

**COFFEE BREAK**

10.30 - 11.00

LINGOTTO, BREAK AREA

---

**SUSTAINABLE DISTRICTS: CASE STUDIES**

**11.00 - 12.30**

LINGOTTO, ROOM 203

MODERATOR: Ahmed Khoja, *Munich University of Applied Sciences*

**Latin Quartier Case Study in Reggio Calabria**

Domenico Enrico Massimo, *Università Mediterranea Reggio Calabria*

**From Post-Industrial Wasteland to Eco Success: the Renewal of Hammarby Sjöstad**

Alys Solly, *Politecnico di Torino*

**Sustainability of Sports Facilities - Criteria and Case Studies**

Simone Magdolen, *Munich University of Applied Sciences*

**The rise of Human Factor in the Change of Energy Systems: the Case of 20 Sustainable Districts in Europe**

Giovanni Caiati, *Laboratory of Citizenship Science - LSC*

**Valencia City Council Educational Centres for Climate Change and Environment**

David Orrico, *Climate Change and Environment Area, Valencia City Council*

**Concerto AL-Piano: A Sustainable Urban Regeneration Experience**

Corrado Carbonaro, *Politecnico di Torino*

---

**BUILDINGS FOR POST-CARBON CITIES**

**11.00 - 12.30**

LINGOTTO, ROOM 204

MODERATOR: Ian Cooper, *Eclipse*

**Natural Ventilation and the Effect on Thermal Comfort as Sustainable Strategies for Residential Building in Dry Hot Arid Climate: A Case Study in Damascus**

Kindah Mousli, *DIN University of Bologna*

**A Pragmatic Approach for Embodied Carbon Estimating in Buildings**

Srinath Perera, *Northumbria University*

**Feasibility Analysis of an Integrated Building Energy System**

Alessandro Grieco, *Politecnico di Bari*

**Effects of Design Material-Waste Causes and their Control Measures on Project-Cost Overrun in Abuja, Nigeria**

Saidu Ibrahim, *Department of Construction Management, the Nelson Mandela Metropolitan University*

**The Role of Hotels in Shaping a Sustainable Built Environment**

Tiziana Buso, *Politecnico di Torino*

**Method and Tools for Assessment of Energy Performance of Buildings - Case Study**

Francesco Curci, *Città di Torino*

---

**SPECIAL SESSION:**  
**ASSESSMENT AND DECISION MAKING AT URBAN SCALE:**  
**OPPORTUNITIES FOR SYNERGIES AT EUROPEAN LEVEL** 11.00 - 12.30

---

LINGOTTO, ROOM 205

MODERATORS: Andrea Moro, *iiSBE Italia* and Markus Berchtold-Domig, *CESBA*

Organized by EU FP7 project FASUDIR: a roundtable discussion between EU projects, including CABEE, CLUE, FASUDIR, NewTREND, ECODISTR-ICT, Optimus, CESBA Alps, Transform, Odysseus, CatMed

---

**SPECIAL SESSION:**  
**SOCIAL, ECONOMIC, AND ENVIRONMENTAL SUSTAINABILITY**  
**IN THE DEVELOPMENT OF SMART CITIES** 11.00 - 12.30

---

LINGOTTO, ROOM 212

Organized by Istituto Superiore Mario Boella

---

**CLOSING PLENARY SESSION** 12.30 - 13.00

---

LINGOTTO, ROOM 202

MODERATOR: Andrea Moro, *iiSBE Italia*

---

## VENUES

---

Castello del Valentino

Viale Pier Andrea Mattioli, 39 | 10125 Torino

Lingotto

Via Nizza, 230 | 10126 Torino

Fiorfood

Galleria San Federico, 26 | 10121 Torino

---

## CONTACT

---

Conference Secretariat

[info@sbe16torino.org](mailto:info@sbe16torino.org)