



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, *Councillor of Urban Policies and Private Building* and Paola Virano, *Unit Director of Territory and Environment*

9.10 Welcome from the Politecnico di Torino

Marco Gilli, *Rector, 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*

Impact of Urban Forms on Energy Consumption, Resource Use and Value Creation: Typologies and Indicators across different Scales

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

Paula Llobet Vilarrasa, *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

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