

## **Área C. Methodologies and tools for sustainability assessment.**

Sesion 1C

### **Methodology for Environmental Assessment 1**

Chairman: Manuel Macías  
Wendsday 28th April 15.00h - 16.30h  
Sala: Goya

#### **The Ecometer (An Environmental Evaluation Criterion)**

*Iñaki Alonso*

#### **Buildings Labelling. The Quality Profile Distinctive, Specific of Energy Savings and Sustainability**

*Carmen Subirón Rodrigo*

#### **Urban Sustainability Assessment at the Microubanism Scale**

*Xabier Barrutieta Basurko*

#### **Definition of a Methodology for the Bioclimatic Assessment of Urban Settlements - the Case of the Metropolitan Area of Lisbon**

*Miguel Corujo, Ester Higuera, Maria João Alcoforado*

#### **CILECCTA, Life Cycle Analysis tool, Costs and Options**

*Juan José González Méndez, Ignacio Robles Urquijo*

Sesion 2C

### **Methodology for Environmental Assessment 2**

Chairman: Justo García Navarro  
Wendsday 28th April 17.00h a 18.30h  
Sala: Goya

#### **INTENSIFYING.EU (Work European Virtual Scene )**

*Celia García, María Navascués, Javier Castillo, Ramón Francos.*

#### **Life Cycle Assessment applied to urban settlements**

*Gregory Herfray, Bruno Peuportier*

#### **Existing Buildings "Survival" Strategy**

*Susana Saiz*

#### **Methology for the Definition of the Problem Areas**

*Rafael Córdoba Hernández , Agustín Hernández Aja*

#### **A Methodology for the Rehabilitation, Management and Sustainable Conservation of Traditional Architecture**

*Virginia Vásquez Fierro, Jaume Avellaneda Díaz Grande*

Sesion 3C

### **Assessment Tools at District Scale**

Chairman: Justo García Navarro  
Thrusday 29th April 10.30h - 11.55h  
Sala: Goya

#### **Dimensions of Liveability: A Tool for Sustainable Cities**

*Rosemary Kennedy, Laurie Buys*

#### **Advance for a Tool to Measure Sustainability at Urban Scale**

*Paula Rivas Hesse*

#### **The Universal Accesibility Network in Districts Rehabilitations as a Tool for Sustainability Improvement**

*Carolina García Madruga*

#### **Assessment Methodologies at District Scale, a Pending Evolution**

*Marian Simón Rojo*

Sesion 4C

### **Assessment Tools for buildings**

Chairman: Manuel Macías  
Thrusday 29th of April 12.05h - 13.30h  
Sala: Goya

#### **Green Building Certification, Energy Ratings, and Life Cycle Analysis Methods: Suitability for Building Renovations.**

*Lara Mabe1, Patxi Hernandez, Sergio Saiz*

#### **An approach to the assessment or eco-efficiency in buildings. basic tools**

*Carmen Llatas Oliver, Antonio García Martínez, Alessandro Roveri, Ricardo Huete Fuerte*

#### **Conclusions on What Sustainable Assessment Tools can Contribute to an Environmental Quality Seal for Buildings to be Rehabilitated in the Platja de Palma Area, Mallorca.**

*Chiara Monterotti, Gerardo Wadel*

#### **Sustainable Labelling of Housing Rehabilitation in France**

*Ana Miguel Cunha*

#### **LiderA – a voluntary assessment and design support system to pursue sustainable construction in Portugal**

*Manuel Duarte Pinheiro*

#### **BREEAM ES: Adaptation of the BREEAM Methology to Spain**

*Tim Allan, Ana Luisa Cabrita*

Sesion 5C

### Case Studies Experiences

Chairman: Joel Ann Tod  
Thrusday 29th of April 15.00h - 16.30h  
Sala: Goya

#### **Sustainable Topologies: Qualitative Properties of Geometric Forms in Ecological Buildings**

*Dr. Joseph Cory*

#### **Emissions caused by heat generation in residential housing- Findings from recent data of the German chimney sweeping trade -**

*Thomas Lützkendorf, Matthias Unholzer, Michael Hiete*

#### **Reinventing Sustainable Construction: Exploring the Paradigm Shift Needed to Reconcile Environmental Conservation and Sustainability Objectives**

*Erika Johansson, Carmen Llatas Oliver, Antonio García-Martinez*

#### **The design and planning of sustainable neighbourhoods: opportunities, constraints and solutions**

*Ramon Farreny, Jordi Oliver-Solà, Joan Rieradevall, Xavier Gabarrell, Enric Escribà, Marc Montlleó*

#### **Sustainable development in urban renewal in Hong Kong: A physical assessment**

*Daniel Chi-wing HO, Yung YAU, Sun-wah POON*

Sesion 6C

### Energy and Buildings

Chairman: Luis Braganca  
Thrusday 29th of April 17.00h a 18.30h  
Sala: Goya

#### **Evaluation Methodology for the Support Programme for Refurbishing Interventions on Sustainability and Energy Efficiency of Buildings**

*Margarita de Luxán, Mar Barbero Barrera, Raquel Díez Abarca, Gloria Gómez Muñoz, Emilia Román López*

#### **OBSERVATORY of the EVOLUTION of Architectural INTERIORS**

*Pol Alonso Pujol*

#### **Similar climate conditions between that of the Mediterranean and the West Australia as a generator to evaluate the different approaches for measuring sustainability**

*Sarah Beek*

#### **Approach and technological transfer for bioclimatic architecture**

*Sara Cacciola*

#### **Assessment of retrofit measures for reduced energy use in the residential building stock**

*Érika Mata, Angela Sasic Kalagasidis, Filip Johnsson*

#### **Interior Environmental Quality Labelling: A Key Factor in Sustainable buildings**

*Paulino Pastor Pérez*

Sesion 7C

### **Economic and Social Aspects**

Chairman:Joel Ann Tod  
Friday 30th of April 10.30h a 11.55h  
Sala: Goya

**Maps and scenes. A project methodology for of a sustainable growth of the urban metabolism towards the net city: transformation, substitution, maintenance. Between landscapes and urban biography.**

*Antonella Contin*

**Architecture and Sustainability Under the Prism of Ethics**

*Agnieszka Stepien, Lorenzo Barnó*

**Habitability, the Other Key of Sustainable Building**

*Joaquim Arcas Abella, AnnaPagès Ramon, Marina Casals Tres*

**District Revitalization and Theory of Necessities: a Participative Approach**

*Marian Simón Rojo; Nerea Morán Alonso*

**Integrated BPE : a proposal to balance conservation and transformation in the sustainable reuse/rehabilitation project of existent buildings**

*Maria Fianchini, Carlotta Fontana*

Sesion 8C

### **Construction Materials and End-of-life of a Building**

Chairman: Luis Braganca  
Friday 30th of April 12.05h a 13.30h  
Sala: Goya

**A Methodological Approach to the On-site Verification of the Construction Waste Estimate in Andalusia**

*Carmen Llatas Oliver, Laura Carolina Ramírez, Ricardo Huete Fuertes*

**Methological Proposal for the Achievement of a Waste Profitability Index in Rehabilitation Works in Andalusia**

*Carmen Llatas Oliver, Nuria Bizcocho Tocón, Ricardo Huete Fuertes*

**EPD (Environmental Product Declaration) of Building Materials**

*Jordi Arboix*