H 9:15 – 10:15  OPENING CEREMONY – Orangerie Hall
Mario Oliverio, Calabria Region President - Italy
Roberto Musmanno, Calabria Regional Councilor for Infrastructures - Italy
Vannia Gava, Undersecretary of State at the Ministry of the Environment - Italy
Damià Calvet, Minister of Territory and Sustainability - Generalitat de Catalunya - Spain, Catalonia

Logical Framework Approach to Calabria sustainable development: the intervention program on school buildings
Francesco Russo, Vice-President Calabria Region - Italy

Environmental sustainability of buildings: the revision of constructions’ law in Italy
Raffaella Martucci, Ministry of the Environment - Italy

Evolutions and perspectives of Committee promoting of “Protocollo ITACA”: building a culture of change.
Massimo Sbrisca, ITACA - Italy

Introduction to SBE19 Scilla: Policies for a Sustainable Built Environment
Andrea Moro, iSBE Italia - Italy

H 10:15 – 11:30  KEY NOTE SPEECHES – Orangerie Hall
Unveiling the Key Levers of Cities Material & Energy Consumption and Emissions
Serge Salat, Urban Morphology & Complex Systems Institute - France

Urban energy transition: renewable strategies for cities and region
Peter Droegge, Liechtenstein Institute for Strategic Development - Liechtenstein

COFFEE BREAK

H 12:00 – 13:30  THEMATIC SESSION 1– Orangerie Hall
PLANNING AND MANAGING SUSTAINABLE MEDITERRANEAN CITIES
Organised in collaboration with UN ENVIRONMENT/MAP - MEDCITIES

Introduction
Julien Le Tellier, Environment/MAP
Oriol Barba, MEDCities

City development strategies
Marie Baduel, AVITEM - France
Coline Ulusakarya, City of Sousse - Tunisia
City of Malaga - Spain
H 12:00 - 13:30  PAPER SESSION 1 - Airone Hall  BUILDING DESIGN AND OPERATION

A new interpretation of local materials: innovations, technologies, researches
Rosamaria Codispoti, Mediterranean University of Reggio Calabria - Italy

Building energy and environmental performance of high-rise residential buildings with a newly developed cladding
Goopyo Hong, Seoul Housing and Communities Corporation - Korea

Design of integrated sustainability “off-shore” and “off-site”. Prototype- mvp “s2_home” by DEMASI mechanical industries
Consuelo Nava, Mediterranean University of Reggio Calabria - Italy

Use of generalised additive models to assess energy efficiency savings in buildings using smart metering data
Benedetto Grillone, CIMNE - Spain

LUNCH

H 14:30 - 16:00  THEMATIC SESSION 2 - Orangerie Hall  ARCHITECTURE, ENERGY EFFICIENCY AND HOUSING IN THE FRAMEWORK OF THE 2030 AGENDA

Organised in collaboration with: Generalitat de Catalunya

Opening
Agustí Serra, Secretary of Urban Habitat and Territory - Government of Catalonia

Round table 1
Housing and energy transition. Public policies for the development of energy renovation of residential building
Josep Casas, Deputy General Director of Architecture, Housing Planning and Urban Improvement - Government of Catalonia

Davide Strangis, Executive Director CPMR

Round table 2
Best practices on ER of public housing
Innovative planning: the Territorial Sectorial Housing Plan of Catalonia
Jordi Bosch, Head of Housing and Residential Land Planning Unit, Secretariat for Urban Habitat and Territory, Government of Catalonia

Description of passive measures
Begoña Serrano, Director of the Valencian Institute of Building

SHERPA project pilot building
Xavier Martí, Sherpa Coordinator, Deputy General Director of Architecture, General SubDirectorate of Housing Planning And Urban Improvement, Secretary of Urban Habitat and Territory, Government of Catalonia

The case of Emilia-Romagna building stock
Fabrizio Tollari, ERVET. Regione Emilia-Romagna - Italy

Singular buildings: Taradell (Barcelona)
Gerard Valls, Housing Agency of Catalonia, Secretary of Urban Habitat and Territory, Government of Catalonia
H 14:30 - 16:00
THEMATIC SESSION 3A – Pettirosso Hall
ENERGY EFFICIENCY IN PUBLIC BUILDINGS: OPPORTUNITIES FOR ITALY IN RELATION TO THE NEW EUROPEAN DIRECTIVE
Organised within the Interreg Med MEDNICE horizontal project in collaboration with Energy Cities and CMCC - INVITATION ONLY EVENT
Moderator: Jean-Pierre Vallar, Energy Cities

H 14:30 - 16:00
PAPER SESSION 2 – Airone Hall
DECISION MAKING AND EVALUATION TOOLS
Multi-criteria decision support system for urban energy group planning and decision-making activities
Sara Torabi Moghadam, Polytechnic of Turin – Italy
Felicity – 3D webtool for optimising the sustainability quality of the built environment
Paul Mittermeier, Felicity – Germany
The Protocollo ITACA assessment system at urban scale
Paolo Luccattini, Luca Marzi, Tuscany Region, University of Florence - Italy
Eco-efficiency assessment of administrative divisions in 42 countries based on environmental impact and gross regional product
Junya Yamasaki, Keio University – Japan
Comparative analysis for the evaluation of sustainable mobility in urban-scale environmental certification
Giusi Mercurio, University of Calabria – Italy

COFFEE BREAK

H 16:30 - 18:00
THEMATIC SESSION 3B – Pettirosso Hall
ENERGY EFFICIENCY IN PUBLIC BUILDINGS: OPPORTUNITIES FOR ITALY IN RELATION TO THE NEW EUROPEAN DIRECTIVE
Organised within the Interreg Med MEDNICE horizontal project in collaboration with Energy Cities and CMCC - INVITATION ONLY EVENT
Moderator: Jean-Pierre Vallar, Energy Cities

H 16:30 - 18:00
THEMATIC SESSION 4 – Orangerie Hall
CESBA NEIGHBOURHOOD AWARD
Organised in collaboration with: CESBA MED
Moderator: Markus Berchtold, CESBA
PAPER SESSION 3 – Airone Hall
EDUCATION AND TRAINING
Water World: Architecture Design Proposals Address Climate Change and Rising Sea Levels
Theodore Sawruk, University of Hartford - USA
Innovative technological features in training methods for sustainable architecture design
Francesca Giglio, Mediterranean University of Reggio Calabria - Italy
The Rural Making Lab: Tactic of Social, Cultural and Sustainable Innovation for the Inner Areas of Calabria
Giuseppe Mangano, University of Calabria - Pensando Meridiano Association - Italy
Living in the Clouds: Sustainable Pencil Towers for Hartford, Connecticut
Theodore Sawruk, University of Hartford - USA

FRIDAY 17.05.19

THEMATIC SESSION 5 – Orangerie Hall
THE CESBA ASSESSMENT SYSTEM FOR MEASURING THE SUSTAINABILITY OF NEIGHBOURHOODS
Organised in collaboration with: CESBA MED: Sustainable Cities, Interreg MED project
Moderator: Markus Berchtold, CESBA
Introduction to the CESBA Assessment system
Andrea Moro, iiSBE Italia - Italy
Examples of application of the CESBA assessment system
Judith Cazas, EnvironbatBDM - France
The CESBA assessment system in policy instruments
Xavier Marti, Generalitat de Catalunya - Spain, Catalonia

PAPER SESSION 4 – Airone Hall
POLICIES AND PROGRAMS
Induced impacts from the building and transportation sectors as a means to achieve environmental goals
John Erik Anderson, German Aerospace Center - Germany
Working on value chains for sustainable buildings in Calabria: the approach of the regional Pole of Innovation Green HoMe
Giuseppe Rossi, Green HoMe scarl - Italy
The sustainable schedule as a business model
Iván Cerda Zuñiga, SBE - Chile
Smart specialization strategy Calabria
Menotti Lucchetta, Calabria Region, Italy
Sustainable building program of the Calabria region. First results
Giovanna Petrungaro, Calabria Region – Italy
COFFEE BREAK

H 11:30 - 13:00

THEMATIC SESSION 6 - Orangerie Hall
THE EU FRAMEWORK OF CORE SUSTAINABILITY INDICATORS LEVEL(S) AND THE PUBLIC POLICY INSTRUMENTS
Organised in collaboration with:
European Commission, DG Environment, Sustainable Production, Products and Consumption
Moderator: Andrea Moro, iiSBE Italia

The Level(s) initiative
Josefina Lindblom, DG Environment

Assessment systems in public policy instruments
Giuseppe Iiritano, ITACA - Italy
Paul Mittermeier, BnB – BnK - Germany
Judith Cazas, EnvirobatBDM - France

PAPER SESSION 5 - Airone Hall
SUSTAINABLE NEIGHBORHOODS AND CITIES

Rebuilding a community for sustainability and resilience
Ann Edminster, Design AVEnues LLC - USA

Effects of urban morphology on outdoor thermal comfort. A microclimate parameterization of housing blocks in the euro-Mediterranean context
Carmela Aprea, Regional Models and geo-Hydrological Impacts, CMCC - Italy

Possibility of applying features of Edo-period buildings and cities to modern approach to sustainability in Japan
Kisa Fujiwara, Utsunomiya University - Japan

Sustainability and resilience in the southern outskirts of Reggio Calabria. Strategies and projects for soil recycle and management.
Alessia Leuzzo, University of Studies Mediterranea of Reggio Calabria - Italy

LUNCH

H 14:00 - 15:30

THEMATIC SESSION 7 - Orangerie Hall
EFFICIENT BUILDINGS IN THE MEDITERRANEAN
Organised in collaboration with: MEDNICE
Moderator: Eugenio Sini, CMCC - MEDNICE

EduFootprint: efficiency by reducing the environmental footprint in public school buildings
Antonio Zonta, Provincia di Treviso - Italy

SHERPA: energy efficient public buildings
Xavier Martí, Generalitat de Catalunya - Spain, Catalonia

ENERJ: energy efficiency in municipal building stock through multi-level governance approach
Christos Papantos, ANATOLIKI S.A - Greece
CESBA MED: tools and methodologies for sustainable neighbourhoods
Francesca Bena, City of Torino - Italy
PrioritEE: prioritising energy efficiency measures in public building
Monica Salvia, CNR-IMAA - Italy
TEESCHOOLS: energy efficiency in Mediterranean schools
Rovena Preka, ENEA - Italy

H 14:00 – 15:30

PAPER SESSION 6 – Airone Hall
SUSTAINABLE NEIGHBOURHOODS AND CITIES
Mapping trees in European cities with Urban Atlas under consideration of natural vegetation formations
Ulrich Schumacher, Leibniz Institute of Ecological Urban and Regional Development - Germany
Carbon Neutral City with COP21 in Korea
Sungwoo Shin, International Sustainability Council (ISC), Korea
Energy Efficiency as a Transdisciplinary Concept: research and applications
Pinar Mengüç, Özyeğin Üniversitesi - Turkey
Cost-effective structural planning of the apartment for flexibility and durability
Jiyeon Kang, Seoul Housing & Communities Corporation, Korea
Self-Sovereign Identity in the Blockchain and its application for Smart Cities
Alex Puig, Caelum Labs - Spain

H 14:00 – 15:30

PAPER SESSION 7 – Pettirosso Hall
ASSESSMENT METHODS AND TOOLS – BUILDING SCALE
BuildDOP: one single tool to evaluate energy, environmental impact and costs
Carlotta Dolzani, Ulrich Klammsteiner, Agenzia per l'Energia Alto Adige-CasaClima - Italy
Analysis of the discrepancy between estimated energy demand and real energy consumption of buildings
Svenja Carrigan, Technische Universität Kaiserslautern - Germany
Remarks on Application of Building Physics for Climate Change Mitigation
Jan Tywniak, Czech Technical University in Prague – Czech Republic
Participatory Guarantee Systems in building certification
Viviane Hamon, EnvirotabBDM - France

COFFEE BREAK
H 16:00 - 17:30

THEMATIC SESSION 8 - Orangerie Hall
BUILT ENVIRONMENT AND CLIMATE CHANGES IN THE MEDITERRANEAN

Organised in collaboration with:
CMCC Centro Euro-Mediterraneo sui Cambiamenti Climatici
Moderator: Paola Mercogliano, CMCC - Italy

Round table with:
Martino Milardi, Mediterranean University of Reggio Calabria - Italy
Marina Rigillo, University Federico II Naples - Italy
Valeria D'Ambrosio, University Federico II Naples - Italy
Grazia Brunetta, RC3 – Politechnic of Turin - Italy
Gabriele Alitto, Calabria Region - Italy

H 16:00 - 17:30

PAPER SESSION 8 – Airone Hall
BUILDING DESIGN AND OPERATION

Energy efficiency measures uncoupled from human perception: the control of solar shading systems in residential buildings
Francesco Nicoletti, University of Calabria - Italy

Architectural quality and typological flexibility: the role of buffer spaces in warm climates buildings. An application in a steel and hemp construction system
Roberta Lucente, University of Calabria - Italy

Experimental results on the thermal properties of reflective materials for building insulation applications
Roberto Bruno, University of Calabria - Italy

The role of thermal inertia in wooden buildings
Piero Bevilacqua, University of Calabria - Italy

H 16:00 - 17:30

PAPER SESSION 9 – Pettirosso Hall
ASSESSMENT METHODS AND TOOLS – BUILDING SCALE

Ontology-based cost estimation for construction projects
Jaehyun Choi, Korea University of Technology and Education - Korea

Smoothing out the interaction among BIM, sustainability rating systems and minimum environmental criteria
Floriana Calise, 3TI Progetti Italia SpA - Italy

Itaca-food a model for the sustainability assessment of food process buildings
Francesco Barreca, Mediterranean University of Reggio Calabria - Italy

Dry construction systems for sustainable design: issues and perspectives for the use of dry construction systems in the Mediterranean context
Laura Greco, University of Calabria - Italy

Maintenance and assessment of environmental sustainability in buildings: a possible synergy between present and future
Maria Azzalin, Mediterranean University of Reggio Calabria - Italy

H 17:30 - 18:00

CLOSING CEREMONY – Orangerie Hall

Antonella Rizzo, Calabria Regional Councilor for Environment - Italy