



# New Metropolitan Perspectives

NMP2020 - PROGRAMME

4TH INTERNATIONAL SYMPOSIUM

26.05.2020-28.05.2020

EDITION 2020



# NEW METROPOLITAN PERSPECTIVES 2020

## BRIEF INSIGHT



### The 4th edition of the „NEW METROPOLITAN PERSPECTIVES” International Symposium

The 4th edition of the International Symposium “New Metropolitan Perspectives” faces the challenge of **local development’s innovation dynamics and its complexity putting humankind at the centre of the scientific debate, towards reclaiming that “man is the measure of all things”**.

In partnership with Rregion United Nations 2020-2030. Territories and cities, material and immaterial heritage, resilience and transformations in the perspective of the 17 Sustainable Development UN Goals.

The symposium is jointly promoted by the **LaborEst** and the **CLUDsLab Laboratories** of the PAU Department, Università Mediterranea of Reggio Calabria, Italy, in partnership with a qualified international network of academic institutions and scientific societies. It is part of the TREnD (Transition with Resilience for Evolutionary Economic Development) Research Project funded by the European Union’s Horizon 2020 Research and Innovation Programme under the Marie Skłodowska Curie Actions – RISE 2018.



**SYMPOSIUM LANGUAGES:** ENGLISH - ITALIAN



**WEB SITE:** [www.nmp.unirc.it](http://www.nmp.unirc.it)

**WEB COMMUNITY - TEAMS:** NMP2020



**SCIENTIFIC COORDINATORS:**

LaborEst – Francesco Calabrò, Lucia Della Spina

CLUDsLab – Carmelina Bevilacqua



**ORGANISING BODY:**

ASTRI – Scientific Association on Interdisciplinary Research and Regional Studies

# NMP2020

## Aims of the International Symposium

**The event is organized with the aim to receive contributions from national and international scientific community on sustainability transitions towards transforming regional and urban sociotechnical systems within new policy agendas of sustainability and cohesion, according to the directions of Horizon Europe and Agenda2030.**

This edition faces the challenge of local development's innovation dynamics and its complexity, putting humankind at the center of the scientific debate, towards reclaiming that "man is the measure of all things", as stated by Protagoras. The underlying question is: How does the new relationship between man and technology affect human settlement systems and land use?

The speed of technological progress in recent years has increased significantly: within a few years, machine learning has developed into deep learning. Recent publications by the global consulting Roland Berger have revealed the incredible progress made by robots, already used to a great extent in various sectors, with a substantial reduction of the working time, important increases in productivity, with benefits for the entire society. Besides, in everyday life, a new way of conceiving time and connections has emerged, dependent on information and communication technology, seen immediately and urgently. Technological innovation and the development of ICT have changed the rules of living physical and human spaces rewriting the parameters of work, social behavior, and territorial/urban governance, with a substantial change of the location patterns. In the field of social science is there the right attention to these issues? What approach has there been over the past few years and what direction should we take in the future?

Concurrently, the nature of human cohabitation that had characterized urban agglomerations has changed over time, following a mangled social environment and the dismemberment of the territory. Distinctiveness that we are witnessing today is the depopulation and abandonment of rural areas, connected with the metropolitan „nervous network“ expansion, as underlined by M. Cacciari, devouring the surrounding territory. The metrics of the man-nature dialectic are hardly recognizable in cities and territories, and the gap between rich and poor keep growing. Nevertheless, the awareness of complexity involves a rethinking of meaning-making structures for responses to complex societal issues with a correspondingly radical rethinking of "measure matters". At European level, the regional strategy of smart specialization is at the center of academics, policy practitioners' debate in the post-2020 Cohesion policy. Among new statements on a more flexible approach in allocating investment, on a more integrated approach to reach the goal of development, the recall of a more tailored approach to regional development is emphasized. It seems that a shift occurs from a place-based approach to locally-based, which asks a recognizable involvement of the city and citizens. Reaching the change needs transition approach, namely sustainability transitions towards transforming regional and urban sociotechnical systems.



This Symposium is part of a project that has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N°823952

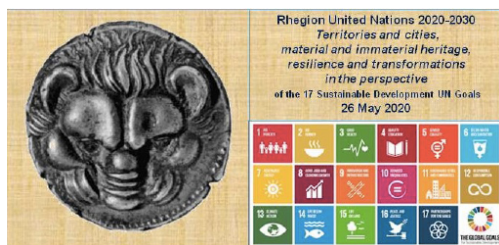
The **TREnD project** proposes a new perspective on the design process of tailored development policies via the innovation boost. Stemming from the current debates on regional diversification, together with the emerging role of the city in pursuing local innovation ecosystem, the aim is to explore new development policy configuration in which the evolutionary framework prompts the response of different territories to continuous shocks. The relevance lies in bridging Resilience, as an ongoing process of change rather than recovery to a (pre-existing or new) stable equilibrium state. In this perspective, the innovative aspect stems from conceiving Transition Management (TM) as a keen strategical approach to translate the combination (Resilience, Diversification, Evolutionary Theory) into policy design and implementation.

# RHEGION

United Nations  
2020-2030

## RHEGION UNITED NATIONS 2020-2030

*Territories and cities, material and immaterial heritage, resilience and transformations in the perspective of the 17 Sustainable Development UN Goals, 26 May*



Rhegion UN 2020-2030 intends to highlight the importance of cultural change that must be made in order to pursue the philosophy of sustainable development specified by the UN in 2015, participating in the construction of „cultured technology” mentioned since 1991 by Romano del Nord. That is to build a new civitas, with roots in history and sustainable for the future, where the Comunitas can live with good quality of life and

in harmony with nature, as well highlighted in the Encyclical Letter *Laudato Sii* of the Holy Father Francis on the Care of Common House focused on integrated ecology. The aspects linked to anthropological questions will not be secondary, but examples of good local, national and international practices will also be relevant.

SCIENTIFIC COORDINATOR: Stefano Aragona, PAU Dept.





# NEW METROPOLITAN PERSPECTIVES 2020

NMP2020 - GENERAL TIMETABLE 26 - 28 MAY 2020

	Tue 26/05/2020					Wed 27/05/2020						Thu 28/05/2020					
	ROOM 1	R2	R3	R4	R5	R 1	R2	R3	R4	R5	R6	R 1	R2	R3	R4	R5	R6
9.00-11.00	OPENING					TS03	TS10	TS-04-T2	TS06	TS22		TS11-26	TS19	TS12	TS14	TS25	ES02
11.30 - 13.30 lunch break						TS03	TS18	TS-04-T2	TS20	TS22	TS07	TS08-24	TS19	TS12	TS14	TS25	ES04
14.30 - 16.30	TS01	TS02	TS-04-T1	RHEGION	ES01	TS03	TS05	TS-04-T3	TS17	TS30	TS28						ES03
17.00 - 19.00	TS01	TS02	TS-04-T1-T2	RHEGION		TS15	TS09	TS-04-T4	TS21	TS30	TS28						

## THEMATIC SESSIONS (TS)

**TS01** VALORIZATION OF INTERNAL AREAS AND ECO-SYSTEMS SERVICES. STRATEGIES AND TOOLS FOR THE REQUALIFICATION OF TERRITORIES

**TS02** URBAN REGENERATION AND SAFETY ASSESTMENT. TOWARDS SIGNIFICANT HEALTH-FRIENDLY URBAN MODELS

**TS03** TERRITORIAL DYNAMICS AND ECONOMIC VALUES

**TS04-T1** CAN KNOWLEDGE COMPLEXITY GENERATE INEQUALITIES? NEW TRENDS FOR PERIPHERAL AREAS

**TS04-T2** RE-BALANCING TERRITORIAL INEQUALITIES: HOW MARGINALIZED AREAS CAN BE CATALYSTS OF LOCAL DEVELOPMENT

**TS04-T3** CDYNAMISM AND COMPETITIVENESS: HIGH-GROWTH ENTERPRISES, START-UPS, GAZZELLES, SCALE-UPS, UNICORNS, IN THE EURO-MEDITERRANEAN AREA

**TS04-T4** COMMUNITY-LED LOCAL DEVELOPMENT OF COASTAL AND FISHERIES AREAS

**TS05** THE MULTIPLE BENEFITS OF SMART ENERGY PROJECTS, COMMUNITIES, DISTRICTS AND TERRITORIES. TOWARDS NEW MODELLING, IMPLEMENTING AND APPRAISAL APPROACHES

**TS06** SHAPE, RULES AND VALUES. NEW EVALUATIONS METHODS FOR URBAN REGENERATION

**TS07** TOWARDS SUSTAINABLE, SAFE, SMART AND RESILIENT INFRASTRUCTURES

**TS08** URBAN REPRESENTATIONS AND VISUAL NARRATIVES

**TS09** TRANSFORMING THE BUILT ENVIRONMENT THROUGH SUSTAINABILITY: PROCESSES AND VALUES

**TS010** TOWARDS AN OPERATIONAL DEFINITION OF SOCIAL INNOVATION PRACTICE IN REGIONAL DEVELOPMENT POLICY AND URBAN REGENERATION

**TS11** INNOVATION ECOSYSTEMS

**TS12** VALUATIONS SUPPORT POST CARBON CITY AND GREEN BUILDING STRATEGIES

**TS14** INTEGRATED TECHNIQUES AND INNOVATIVE METHODOLOGIES OF GEOMATICS FOR LOCAL DEVELOPMENT'S INNOVATION DYNAMICS

**TS15** DECISION SUPPORT METHODS FOR URBAN PLANNING POLICIES CONCERNING THE SAVING SOIL AND THE ENHANCEMENT OF PROPERTIES IN DISUSE

**TS17** PARTNERSHIPS FOR THE FUTURE: PARTICIPATORY AND MULTIDISCIPLINARY POLICIES TO SUSTAINABLE URBAN GOVERNANCE

**TS18** BRIDGING THE GAP BETWEEN ECOSYSTEM SERVICES AND LANDSCAPE DESIGN. THE ROLE OF THE EVALUATION IN SUPPORTING THE DESIGN PROCESS

**TS19** INNOVATIVE AND SUSTAINABLE APPROACHES FOR THE ENHANCEMENT OF CULTURAL HERITAGE IN FRAGILE AREAS

**TS20** CULTURAL HERITAGE MANAGEMENT STRATEGIES AND MODELS FOR INNER AREAS

**TS21** METROPOLITAN CITIES: ECONOMIC-TERRITORIAL STRATEGIES, FINANCIAL CONSTRAINTS AND CIRCULAR REGENERATION

**TS22** CULTURAL HERITAGE, CLIMATE CHANGE, INTERCULTURAL DIALOGUE AND STRATEGIES FOR INTEGRATED CONSERVATION

**TS24** PLACE IN DISCOURSE (TOWARDS THE DEFINITION OF PLACE)

**TS25** RHEGION UNITED NATIONS 2020-2030

**TS26** URBAN RESILIENCE

**TS28** SPATIAL DATA INFRASTRUCTURES, URBAN MODELLING AND GEOSPATIAL ANALYSES IN ASSESSING URBAN AND RURAL LANDSCAPES: NEW PERSPECTIVES AND OPEN CHALLENGES

**TS30** ECODSIGN AND GREEN BUILDING FOR SUSTAINABLE DEVELOPMENT GOALS

## EXTRA SESSIONS (ES)

**ES01** AWARDS

**ES02** IL VIAGGIO DI ULISSE COME ITINERARIO CULTURALE EUROMEDITERRANEO (ITA)

**ES03** TAVOLA ROTONDA - LE CITTA' AL TEMPO DEL 5G (ITA)

**ES04** L'UOMO E' MISURA DI TUTTE LE COSE (ITA)

# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

„The largest part of the NMP2020 programme is the collection of Thematic Parallel Sessions, on a different scientific topics. Each session has a short abbreviation which will be used on the schedule“

TS01

### VALORIZATION OF INTERNAL AREAS AND ECO-SYSTEMS SERVICES. STRATEGIES AND TOOLS FOR THE REQUALIFICATION OF TERRITORIES

*Keywords: Rural Development; Territorial Systems Resilience; Integrated and Sustainable Tourism; Therapeutic landscapes.*

Chairs: Donatella Di Gregorio, Agata Nicolosi, Donatella Privitera

TS02

### URBAN REGENERATION AND SAFETY ASSESTMENT. TOWARDS SIGNIFICANT HEALTH-FRIENDLY URBAN MODELS

*Keywords: Urban Regeneration; Safety Assestment; Public Health; Common Spaces; Sustainable Mobility.*

Chair: Concetta Fallanca

TS03

### TERRITORIAL DYNAMICS AND ECONOMIC VALUES

*Keywords: Territorial Planning; Real Estate Values; Urban Growth Models; Rural Development; Geographic Information Systems.*

Chairs: Massimiliano Bencardino, Antonio Nesticò

TS04

### T1 - CAN KNOWLEDGE COMPLEXITY GENERATE INEQUALITIES? NEW TRENDS FOR PERIPHERAL AREAS

*Keywords: Knowledge Complexity; Peripheral Areas; Transition Management; Resilience; Quality of Governance.*

Chairs: Carmelina Bevilacqua, Pierre Alexandre Balland, Christina Kakderi, Vincenzo Provenzano

### T2 - RE-BALANCING TERRITORIAL INEQUALITIES: HOW MARGINALIZED AREAS CAN BE CATALYSTS OF LOCAL DEVELOPMENT

*Keywords: Marginalization Processes; Inequalities; Cohesion Policy; Local Development; Regeneration.*

Chairs: Gabriella Esposito De Vita, Elena Marchigiani, Camilla Perrone

### T3 - DYNAMISM AND COMPETITIVENESS: HIGH-GROWTH ENTERPRISES, START-UPS, GAZZELLES, SCALE-UPS, UNICORNS, IN THE EURO-MEDITERRANEAN AREA

*Keywords: Enterprises Competitiveness; High-growth Enterprises; Start-ups; Euro-Mediterranean Ecosystem; Family Business.*

Chairs: Carmelina Bevilacqua, Domenico Nicolò

### T4 - COMMUNITY-LED LOCAL DEVELOPMENT OF COASTAL AND FISHERIES AREAS

*Keywords: Integrated development; Fisheries Economics; Destination Tourism; Cultural Heritage; ICZM.*

Chair: Claudio Marcianò

TS05

### THE MULTIPLE BENEFITS OF SMART ENERGY PROJECTS, COMMUNITIES, DISTRICTS AND TERRITORIES. TOWARDS NEW MODELLING, IMPLEMENTING AND APPRAISAL APPROACHES

*Keywords: Multiple Benefits; Smart Energy Transition; Positive Energy Districts; Assessment; Modelling.*

Chairs: Adriano Bisello, Giuliano Marella, Valentina Antoniucci

TS06

### SHAPE, RULES AND VALUES. NEW EVALUATIONS METHODS FOR URBAN REGENERATION

*Keywords: Evaluations; Vacancy; Adaptive Reuse; Real Estate; Values.*

Chairs: Isabella Lami, Stefano Moroni

TS07

### TOWARDS SUSTAINABLE, SAFE, SMART AND RESILIENT INFRASTRUCTURES

*Keywords: Sustainability; Safety; Resilience; Smart; Infrastructure.*

Chairs: Marinella Giunta, Giovanni Leonardi

# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

„Papers addressed the main topic through a multidisciplinary perspective, pursuing an integrated approach in order to deal with strategic planning, spatial planning, economic programs and decision support tools“

TS08

### URBAN REPRESENTATIONS AND VISUAL NARRATIVES

*Keywords: Urban Representation; Urban Visualisation; Visual Narratives; Abstract Illustrations; Urban Drawings.*

Chair: Beniamino Polimeni

TS09

### TRANSFORMING THE BUILT ENVIRONMENT THROUGH SUSTAINABILITY: PROCESSES AND VALUES

*Keywords: Sustainability; Built Environment; Externalities; Green Buildings; Indoor Comfort.*

Chairs: Raul Berto, Federico Dell'Anna, Marta Dell'Ovo, Alessia Mangialardo

TS10

### TOWARDS AN OPERATIONAL DEFINITION OF SOCIAL INNOVATION PRACTICE IN REGIONAL DEVELOPMENT POLICY AND URBAN REGENERATION

*Keywords: Social Innovation Regional Development; Social Impact; Social Value; Assets Regeneration.*

Chairs: Luca Tricarico, Alessia Mangialardo

TS11

### INNOVATION ECOSYSTEMS

*Keywords: Urban Green Design; Sustainable Urban Design; Energy Design; Urban Renewal strategies; Climate Change Mitigation.*

Chair: Chro Hama Radha

TS12

### VALUATIONS SUPPORT POST CARBON CITY AND GREEN BUILDING STRATEGIES

*Keywords: Post Carbon City; Post Carbon Building; Green Building Real Estate Market; Multi Dimensional Valuation; Urban Appraisal in Climate Change Mitigation.*

Chair: Domenico Enrico Massimo

TS14

### INTEGRATED TECHNIQUES AND INNOVATIVE METHODOLOGIES OF GEOMATICS FOR LOCAL DEVELOPMENT'S INNOVATION DYNAMICS

*Keywords: UAV; GIS; GPS; 3D Model; Monitoring; Cultural Heritage.*

Chairs: Vincenzo Barrile, Antonino Fotia

TS15

### DECISION SUPPORT METHODS FOR URBAN PLANNING POLICIES CONCERNING THE SAVING SOIL AND THE ENHANCEMENT OF PROPERTIES IN DISUSE

*Keywords: Public-Private Partnership; Enhancement; Real Estate Market; Saving Soil; Decision Support Models; Degraded Areas; Properties in Disuse.*

Chairs: Francesco Tajani, Pierluigi Morano, Francesco Sica

TS17

### PARTNERSHIPS FOR THE FUTURE: PARTICIPATORY AND MULTIDISCIPLINARY POLICIES TO SUSTAINABLE URBAN GOVERNANCE

*Keywords: Sustainability; Public Awareness; Public Engagement; Impact Investing; Governance Capacity.*

Chairs: Chiara D'Alpaos, Maria Stella Righettini, Paola Valbonesi

TS18

### BRIDGING THE GAP BETWEEN ECOSYSTEM SERVICES AND LANDSCAPE DESIGN. THE ROLE OF THE EVALUATION IN SUPPORTING THE DESIGN PROCESS.

*Keywords: Ecosystem Services; Landscape Design; Interdisciplinary Methodology; Tangible and Intangible Dimension; Urban and Peri-Urban Open Spaces.*

Chairs: Antonio Longo, Marta Dell'Ovo, Stefano Corsi, Alessandra Oppio

# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

„Contributions come from the national and international scientific community on sustainability transitions towards transforming regional and urban sociotechnical systems within new policy agendas of sustainability and cohesion”

TS19

### INNOVATIVE AND SUSTAINABLE APPROACHES FOR THE ENHANCEMENT OF CULTURAL HERITAGE IN FRAGILE AREAS

*Keywords: Fragile; Enhancement; Cultural Heritage; Human Capital; Circular Economy.*

Chairs: Alessandra Oppio, Annunziata Maria Oteri, Maria Cristina Giambruno, Francesca Torrieri

TS20

### CULTURAL HERITAGE MANAGEMENT STRATEGIES AND MODELS FOR INNER AREAS

*Keywords: Participatory Management Strategies; ICT; Cultural Tourism; Accessibility; Feasibility Study.*

Chairs: Giuseppina Cassalia, Lucrezia Lopez

TS21

### METROPOLITAN CITIES: ECONOMIC-TERRITORIAL STRATEGIES, FINANCIAL CONSTRAINTS AND CIRCULAR REGENERATION

*Keywords: Italian Metropolitan Cities; Real Estate Development; Urban Regeneration.*

Chairs: Roberto Camagni, Ezio Micelli

TS22

### CULTURAL HERITAGE, CLIMATE CHANGE, INTERCULTURAL DIALOGUE AND STRATEGIES FOR INTEGRATED CONSERVATION

*Keywords: Cultural Heritage; Integrated Conservation; Heritage Enhancement; Climate Change; Intercultural Dialogue.*

Chair: Rosa Anna Genovese

TS24

### PLACE IN DISCOURSE (TOWARDS THE DEFINITION OF PLACE)

*Keywords: Spatial Cognition; Spatial Design Creativity; Democratic Design; Cultural and Social Sustainability; Urban Identity; Spatial Aesthetics.*

Chair: Mohammed Ezzat

TS25

### RHEGION UNITED NATIONS 2020-2030

*Keywords: Territories and Cities; Material and Immaterial Heritage; Resilience and Transformations; Sustainable Development; UN Goals.*

Chair: Stefano Aragona

TS26

### URBAN RESILIENCE

*Keywords: Resilience; Destructive Cities; Equilibrium; Sustainability; Learning Cities.*

Chairs: Ibtisam Abdulelah Mohammed Al Khafaji, Shaymaa Fadhil alkubaisi

TS28

### SPATIAL DATA INFRASTRUCTURES, URBAN MODELLING AND GEOSPATIAL ANALYSES IN ASSESSING URBAN AND RURAL LANDSCAPES: NEW PERSPECTIVES AND OPEN CHALLENGES

*Keywords: Urban and Rural Landscapes; Spatial Data Infrastructures (SDIs); Spatial Analyses; Urban Modelling; Multifunctionality; Ecological Connectivity.*

Chairs: Giuseppe Modica, Beniamino Murgante, Maurizio Pollino

TS30

### ECODESIGN AND GREEN BUILDING FOR SUSTAINABLE DEVELOPMENT GOALS

*Keywords: SDG; Ecodesign; LCA; Green Buildings.*

Chairs: Maurizio Cellura, Marina Mistretta



# NEW METROPOLITAN PERSPECTIVES 2020

## PLENARY SPEAKERS

**"We are proud to present the plenary speakers. From their different perspectives they will all touch upon the symposium theme: Knowledge Dynamics and Innovation-driven Policies Towards Urban and Regional Transition"**



**SANTO MARCELLO ZIMBONE**  
Rector  
Mediterranea University of Reggio Calabria



**TOMMASO MANFREDI**  
Director of the PAU Department  
Mediterranea University of Reggio Calabria



**CARMELINA BEVILACQUA**  
CLUDsLab Director  
TREN-D Project Coordinator  
Mediterranea University of  
Reggio Calabria



**FRANCESCO CALABRÒ**  
LaborEst - Scientific Head  
Mediterranea University of  
Reggio Calabria



**LUCIA DELLA SPINA**  
LaborEst - Scientific Head  
Mediterranea University of  
Reggio Calabria



**RON BOSCHMA**  
Professor in Regional Economics  
Section Economic Geography, Faculty of  
Geosciences Utrecht University



**SERGIO FABBRINI**  
Professor of Politics and International Relations  
and Dean of the Political Science Department  
Luiss Guido Carli - Rome



**STEFANO ARAGONA**  
Scientific Coordinator  
Rhegion United Nations 2020-2030



**VINCENT KITIO**  
Arch, PhD  
UN-Habitat, Nairobi, Kenya



**MARK PATRIDGE**  
Chief  
Regional Science Association  
International - RSAI

# NEW METROPOLITAN PERSPECTIVES 2020

## NMP2020 - OPENING PLENARY SESSION

„The highlight of the Opening Plenary Session is the keynote address, which will focus on Knowledge complexity, inclusiveness and sustainability Towards a transition agenda for Cohesion Policy“



The Opening Plenary Session will be held at the Web Community NMP2020, from 9.45 am to 1.00 pm.

### OPENING EVENT / NMP2020 / Knowledge Dynamics and Innovation-driven Policies Towards Urban and Regional Transition



**09.45 - 10.00 am** Opening Web Platform

**10.00 - 10.30 am** Academic authorities' messages and keynote Introduction

*Marcello Zimbone*, Rector of the Università Mediterranea di Reggio Calabria

*Tommaso Manfredi*, Dean of the Patrimonio, Architettura, Urbanistica – PAU Department

*Carmelina Bevilacqua*, *Francesco Calabrò*, *Lucia Della Spina*, Scientific Coordinators of New Metropolitan Perspectives

**10.30 - 11.15 am** Keynote panel: Knowledge complexity, inclusiveness and sustainability towards a transition agenda for Cohesion Policy

**How to combine Smart, Inclusive and Green Growth. Towards a Transition Agenda for Cohesion Policy**

*Ron Boschma*, Professor in Regional Economics. Section Economic Geography, Faculty of Geosciences Utrecht University

**Rethinking Europe: challenges and transformations**

*Sergio Fabbrini*, Professor of Politics and International Relations and Dean of the Political Science Department at the Luiss Guido Carli in Rome and Visiting Professor at the Harvard Kennedy School of Government

**11.15 - 11.45 am** Panel Discussion

**Break**

**12.00 - 13.00 pm** Starting Rhegion UN 2020 - 2030

*Stefano Aragona*, Scientific Coordinator of Rhegion United Nations 2020-2030

*Vincent Kitio*, Arch, PhD. | Chief, Urban Energy Unit | Urban Basic Services Branch | United Nations Human Settlements Programme, UN-Habitat, Nairobi, Kenya

**COVID-19 and the Implosion of Regional Economies**

*Mark Patridge*, Ph.D., Chief Regional Science Association International - RSAI, Swank Chair in Rural-Urban Policy/Prof., AED Economics, The Ohio State University, Adjunct - Professor, School of Economics, Jinan Univ. Guangzhou, China, Social Sciences Dept., Gran Sasso Science Institute, L'Aquila, Italy, Coordinating Editor Springer Briefs in Regional Science

# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

TS

### TS01

## VALORIZATION OF INTERNAL AREAS AND ECO-SYSTEMS SERVICES. STRATEGIES AND TOOLS FOR THE REQUALIFICATION OF TERRITORIES

**Donatella Di Gregorio** - TS01 Chair  
Mediterranea University of Reggio Calabria –  
Agraria Department

*RESEARCHER. Her research includes the economy of production in quality wine and typical food products sectors. Other research of hers concerns the economic analysis of marginal agricultural areas and that of sectors of the forest-wood supply chain and the economic evaluation of the rural landscape.*

**Agata Nicolosi** - TS01 Chair  
Mediterranea University of Reggio Calabria –  
Agraria Department

*ASSOCIATE PROFESSOR. PhD in Economics and Agricultural Policy. Research and publication interests include: rural development; sustainable rural tourism ethical and sustainable agricultural production. She participated in the GASTROCERT Research Project-Gastronomy and Creative Entrepreneurship in Rural Tourism. PRIN 2017 "Driving the Italian Agri-Food System into a Circular Economy Model".*

**Donatella Privitera** - TS01 Chair  
UNICT – Educational Science Department

*FULL PROFESSOR. At present, she is teaching economic geography and implications with tourism and regional development. Research and publication interests include tourism geography; sustainable cities; green economy; transport geography.*

Tuesday 26th May - Room 1  
2.30 - 4.30 / 5.00 - 7.00 pm

### 1. Agritourism, Farm Income Differentiation, and Rural Development: the Case of the Region of Montiferru (Italy)

*Brunella Arru*

### 2. Disposal of Bergamot by-Products by Animal Productions

*Manuel Scerra, Rosa Rao, Francesco Foti, Pasquale Caparra, Caterina Cilione, Luigi Chies*

### 3. Does the Establishment of a 'Forest Therapy Station' in a Low-Mountain Mixed Hardwood Forest Make Sense?

*Maurizio Drolì, Gabriele Gervasio Radivo, Luca Iseppi*

### 4. Green Peri-Urban Surfaces in Iberian Euro-cities: Ecosystems Service as a Tool to Provide an Environmental Answer to Border Populations Needs. A Preliminary Approach

*Rui Alexandre Castanho, José Manuel Naranjo Gómez, José Cabezas, Luís Loures, José Martín Gallardo, Jacinto Garrido Velarde*

### 5. Innovations and Consumer Preferences: Effects of Feeding and Mechanical Milking on the Quality of Traditional Dairy Production in Internal Areas

*Valentina Rosa Laganà, Agata Nicolosi, Lorenzo Maria Massimo Abenavoli, Domenico Caruso, Bruno Salinitri, Francesco Foti*

### 6. Sustainable Attitudes of Local People on the Purchase of Local Food. An Empirical Investigation on Italian Products

*Agata Nicolosi, Lorenzo Cortese, Mariangela Petullà, Valentina Rosa Laganà, Donatella Di Gregorio, Donatella Privitera*

### 7. Sustainable development in the Alps: the Mountaineering Villages (Bergsteigerdörfer) Initiative

*Ivana Bassi, Matteo Carzedda, Luca Iseppi, Federico Nassivera*

### 8. The Città Metropolitana as an Opportunity to Promote Integrated Development between Central and Marginal Areas: the Case of Reggio Calabria

*Maria Teresa Lombardo, Giuseppe Fera*

### 9. Transhumance Routes in the Perspective of Tourist Use: Case Studies in Calabria, Italy

*Donatella Maria Grazia Di Gregorio, Venera Fasone, Alfonso Picone Chiodo, Donatella Privitera, Vincenza Romeo, Agata Nicolosi*

### 10. Urban Food Security and Strategic Planning: Involving Millennials in Urban Agriculture

*Matteo Carzedda, Federico Nassivera, Francesco Marangon, Stefania Troiano, Luca Iseppi, Ivana Bassi*

# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

TS02

### URBAN REGENERATION AND SAFETY ASSESSMENT. TOWARDS SIGNIFICANT HEALTH-FRIENDLY URBAN MODELS

TS

Tuesday 26th May - Room 2  
2.30 - 4.30 / 5.00 - 7.00 pm

**1. Cities Towards ... Sustainability. The Critical Issues, the Challenges, the Lines of Action**

*Francesco Alessandria*

**2. Health and Urban Planning**

*Antonio Taccone*

**3. Health and Well-being through Cultural Heritage Enhancement Strategies. Cultural Welfare and Integrated Sustainability for Fostering Healthy Lifestyles**

*Natalina Carrà*

**4. Health-Oriented Urban Planning for a Renewed Implicit Alliance**

*Alessandra Barresi, Gabriella Pultrone*

**5. How to Assess Walkability as a Measure of Pedestrian Use: First Step of a Multi-methodological Approach**

*Francesca Abastante, Marika Gaballo*

**6. Integral Medicine for Wellness Cities**

*Carmelo Antonio Caserta*

**7. Investigating Relationship between Built Environment and Health**

*Elvira Stagno*

**8. Local Actions to Tackle Physical, Relational and Sociocultural Isolation of an Internal Area in the Metropolitan City of Reggio Calabria in Italy**

*Chiara Corazziere, Marco Mareggi*

**9. Public Facilities: a Fragile, yet Crucial Capital for Urban Regeneration**

*Cristiana Mattioli*

**10. Social Network as Tool for the Evaluation of Sustainable Urban Mobility in Catania (Italy)**

*Giovanna Acampa, Giorgia Marino, Giorgia Parisi*

**11. The City of Well-being. The Social responsibility of Urban Planning**

*Concetta Fallanca*

**12. Tirana Adaptive City. "Creativity and Spontaneity" in Active-Streets and Living Super-Blocks**

*Fabio Naselli, Eva Jazaj*

**13. Towards Healthy Cities – Three Key Issues**

*Massimo Zupi, Pierfrancesco Celani*

**Concetta Fallanca** - TS02 Chair  
Mediterranea University of Reggio Calabria –  
PAU Department

*FULL PROFESSOR of Urban Planning, Mediterranean University of Reggio Calabria (January 2005), she belongs to the Department of Heritage-Architecture-Urbanism (PAU) Architect, PhD in Urban planning and environmental design, she carries out research in the field of urban, territorial and environmental design and planning. Coordinator of researches and author of scientific publications.*

# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

TS

TS03

### TERRITORIAL DYNAMICS AND ECONOMIC VALUES

Wednesday 27th May - Room 1  
9.00-11.00 am / 11.30 am-1.30 pm /  
2.30-4.30 pm

**Massimiliano Bencardino** - TS03 Chair  
University of Salerno – Dept. of  
Political and Communication Sciences

ASSOCIATE PROFESSOR in Economic-political Geography at the University of Salerno. Enabled to the functions of a Full Professor, with competition organized by DD Ministry of Education n.1532/2016. Professor of „Geopolitics” for the 1st-level Degree course in Political Science and International Relations, and of “Territorial organization and spatial planning” and “Territorial marketing and local development” for the second-level Degree course in Territorial Policies and International Cooperation. PhD at Environmental and Geological Studies Department in University of Sannio and Laboratoire de Sciences de la Terre dell’Université Claude Bernard Lyon 1 di Lyon (France). Graduated in Engineering for the environment and the Territory, Organization and Planning of the Territory, at the University of Naples “Federico II”. He is the Head of the Didactic board of Political Science, the scientific Director of the Territorial Development Observatory (OST) and of the SPLoD Lab (Laboratory of Spatial Planning and Local Development), where he occupied himself with research on territorial planning. Member of “Scientific Committee” e reviewer for International Workshops, he is the author of more than 70 articles, printed books and proceedings.

**Antonio Nesticò** - TS03 Chair  
University of Salerno - Dept. of Civil Engineering

PhD, is Researcher of Appraisal in the Department of Civil Engineering, DICIV and Head of the Economic Evaluation Division of the Project Evaluation Laboratory, PEL at the University of Salerno. Graduated with honours in Civil Engineering at the University of Naples “Federico II”, is qualified as Full Professor for the scientific disciplinary sector ICAR 22 - Appraisal. Member of the Academic Platform of the Parliamentary Assembly of the Mediterranean, member of SIEV and member of the Teaching Board of the PhD in “Risk and sustainability in civil engineering and environmental engineering systems”, he participates in research group activities with national and international collaborations (i.e. Gran Sasso Science Institute, GSSI, School of Advanced Studies, Social Sciences Division; School of Economics, Shanghai University SHU-SOE; ENEA Research Center). Honorary Member of Ce.S.E.D. (Milan), he achieves an acknowledgment of ANCE (Salerno) for the value of the scientific and didactic activity carried out within the initiatives related to the “Antonio Genovesi National Prize”, in the field of study and research on the economic evaluation of investment projects. Member of the editorial board of the journal Valori e Valutazioni and referee for national and international journals, he is author of over 80 publications and has presented papers at numerous international workshops and conferences.

**Gabriella Maselli** - TS03 Chair  
University of Salerno - Dept. of Civil Engineering

Gabriella Maselli, graduated with honours in Building Engineering-Architecture from the University of Salerno with a thesis on econometric models for the estimation of the social discount rate in the cost-benefit analysis. She is a PhD student in economic Evaluation of Projects at the Department of Civil Engineering of the University of Salerno, Doctorate Course in “Risk and Sustainability in Civil, Building and Environmental Engineering” (XXXIII cycle). At the School of Economics of Shanghai University (China), she carried out research on investment risk management in the Belt and Road Initiative. She has participated as speaker in numerous workshops, conferences, and seminars. She is author of international publications on multi-criteria decision making methods, cash-flow analysis, economic sustainability of tourism investments, risk assessment, highest and best use for historical buildings, intergenerational discounting.

#### 1. An Economic Model for Selecting Urban-scale Projects

*Antonio Nesticò, Cristina Elia*

#### 2. Big Data to Support Sustainable Development Goals (SDGs)

*Angela Delli Paoli, Felice Addeo*

#### 3. Building Recovery, Property Values and Demographic Decline after the 2009 Abruzzo Earthquake

*Sebastiano Carbonara, Davide Stefano*

#### 4. Climate Change and Urban Resilience. Preliminary In-sights from an Integrated Evaluation Framework

*Carlotta Quagliolo, Vanessa Assumma, Marta Bottero, Giulia Datola, Alessandro Pezzoli*

#### 5. Development of a Land Take Evaluation for a Recreative Park in Northern Italy

*Vanessa Assumma, Marta Bottero, Giulio Mondini, Elisa Zanetta*

#### 6. Environmental Health Valuation through Real Estate Prices

*Manuela De Ruggiero, Francesca Salvo, Pierluigi Morano, Francesco Tajani*

#### 7. Exploratory Data Analysis on Private Crimes Related to Illegal Land Take in Italy

*Massimiliano Bencardino, Luigi Valanzano*

#### 8. Financial Targets for the Sponsee and the Sponsor in the Restoration/Recovery of the Historical and Architectural Heritage

*Luigi Dolores, Maria Macchiaroli, Gianluigi De Mare*

#### 9. Firms’ Crimes and Land Use in Italy. An Exploratory Data Analysis

*Gaetano Alfano, Roberta Troisi*

#### 10. Hedonic Price of the Built-up Area Appraisal in the Market Comparison Approach

*Francesca Salvo, Daniela Tavano, Manuela De Ruggiero*

#### 11. Historical-architectural Components in the Projects Multicriteria Analysis for the Valorization of Small Towns

*Emanuela D’Andria, Pierfrancesco Fiore, Antonio Nesticò*

#### 12. Innovation Systems in the Fourth Industrial Revolution: the Territorial Challenge of the Campania Region

*Monica Maglio*

#### 13. Irrigated Arable Land Values and Socio-economic Characteristics of the Territory

*Antonio Nesticò, Massimiliano Bencardino, Vincenzo Di Fraia*

#### 14. Real Estate Values and Ecosystem Services: Correlation Levels

*Antonio Nesticò, Theodore Endreny, Francesco Sica*

#### 15. Sustainable Planning: the Carrying Capacity Approach

*Alessandro Sgobbo*

#### 16. The Role of Igers in the Territorial Dynamics of Sustainable Tourism-oriented Destinations

*Pierluigi Vitale, Maria Palazzo, Agostino Vollero, Alfonso Siano, Pantea Foroudi*

#### 17. The UNESCO Creative Cities Network: A Case Study of City Branding

*Wilhelm Skoglund, Constanze Gathen, Daniel Laven*

#### 18. Tolerability and Acceptability of the Risk for Projects in the Civil Sector

*Gabriella Maselli, Maria Macchiaroli*



# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

TS04-T1

### CAN KNOWLEDGE COMPLEXITY GENERATE INEQUALITIES? NEW TRENDS FOR PERIPHERAL AREAS

TS

Tuesday 26th May - Room 3  
2.30 - 4.30 / 5.00 - 7.00 pm

#### 1. Contextualizing Transition: A Multiscale Approach to Making Resilience-oriented and Place-sensitive Strategies

*Carmelina Bevilacqua, Yapeng Ou, Pasquale Pizzimenti, Giada Anversa*

#### 2. Identifying Localized Entrepreneurial Projects through Semantic Social Network Analysis

*Maria Patrizia Vittoria, Pasquale Napolitano*

#### 3. Industrial Policies and Evolutionary Paths: a Case Study of the Impact of the Greek Investment Law to Effect Investment Decisions of Greek Firms

*Athanasios Kalogeresis*

#### 4. Smart Specialisation 2.0: Driving Public Funds towards Platforms and Ecosystems

*Christina Kakderi, Nicos Komninos, Anastasia Panori, Artemis Psaltoglou*

#### 5. Smart Specialisation Priorities of Less Developed Regions. A Critical Evaluation

*Petra Szávcics, József Benedek*

#### 6. Smart Specialisation Strategy (S3) and Social Network Analysis (SNA): Mapping Capabilities in Calabria

*Arnault Morisson, Carmelina Bevilacqua, Mathieu Doussineau*

#### 7. Sustainable Development and Transition Management: A New Approach for European Peripheral Areas

*Vincenzo Provenzano, Maria Rosaria Seminara, Massimo Arnone*

#### 8. Territorial Gap and Territorial Distribution of Public Investments in Italy

*Guido Signorino, Massimo Arnone*

**Carmelina Bevilacqua** - TS04-T1 Chair  
Mediterranea University of Reggio Calabria

*ASSISTANT PROFESSOR of Urban Planning. Her research concerns the effects of development policies, at national and European level, on the transformations of cities and regions. Grounded in a multidisciplinary approach in combining urban-regional science with research-innovation dynamics, her recent areas of interest range in tackling how innovation policy and urban planning act in a complementary way for supporting knowledge dynamics towards the regeneration of the local economy.*

**Pierre Alexandre Balland** - TS04-T1 Chair  
Utrecht University

*ASSISTANT PROFESSOR of Economic Geography and research fellow at the Center for Complex Systems Studies. He previously held positions at MIT, UCLA, and Lund University. He is an economist by training, and he tries to understand why some parts of the world are rich, other poor, and what it can be done about it. On a more applied side, he works with policymakers and companies to solve real-world problems using network analysis and complex systems thinking.*

**Christina Kakderi** - TS04-T1 Chair  
Aristotle University of Thessaloniki

*ASSISTANT PROFESSOR of Spatial Development and RTDI Policies in the EU. She is also actively engaged in research for the past thirteen years, as a member of Urban and Regional Innovation Research Unit - URENIO and, previously, of Spatial Development Research Unit. She has been involved in EU and national funded projects related to spatial development and innovation ecosystems. Her research interests focus on systems of innovation and smart innovation environments (national and regional innovation systems, technology policy, innovation networks, intelligent cities/districts).*

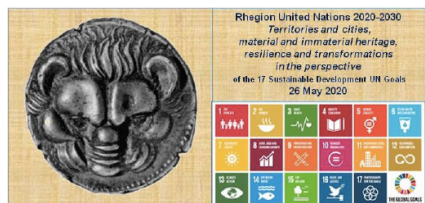
**Vincenzo Provenzano** - TS04-T1 Chair  
University of Palermo

*ASSOCIATE PROFESSOR Professor of Applied Economics, he teaches Regional Economics and Nonprofit Economics at the University of Palermo. He conducts analysis and research activities in the field of real and financial aspects of regional development).*

# NEW METROPOLITAN PERSPECTIVES 2020

## RHEGION UNITED NATIONS 2020-2030

„Territories and cities, material and immaterial heritage, resilience and transformations in the perspective of the 17 Sustainable Development UN Goals“.

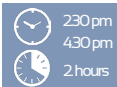


The Rhegion Event will be held at the Teams Room 4, Tuesday 26th May from 2.30 to 7.30 pm.

### RHEGION UNITED NATIONS 2020-2030 // WEB COMMUNITY - NMP2020 (by Teams) - Room 4

2.30 - 4.00 pm

MP Roberto Morassut, State Secretary of the Ministry of the Environment and Protection of the Territory and the Sea - MATTM  
Regards of the Ambassador of Costa Rica, eng. PhD. *Ronald Flores Vega*



#### Testimonials

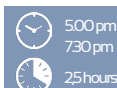
*Giovanna Valverde Stark*, Minister General Consul, Costa Rican Embassy  
*Wang Xin*, Doctor, Vice Dean, Associate Professor - TONGJI Institute of Environment for Sustainable Development, (IESD), MOE Joint Lab for International Cooperation on Eco-Urban Design, College of Architecture and Urban Planning, Tongji University, Shanghai  
*André Torre*, professor at UMR SAD-APT Agro Paristech, President of the European Regional Science Association - ERS  
*Mariangela Cama*, Assessore Urbanistica, Edilizia Privata, Demanio Marittimo e Pianificazione Urbana

#### Celebration of the entry of the Mediterranean into the Italian University Network for Sustainable Development - RUS

4.00 - 4.30 pm Introduction by Stefano Aragona, Delegate of the Mediterranean University for RUS

*Patrizia Lombardi*, Prorector of the Polytechnic of Turin, Coordinator of the Italia University Network for Sustainable Development  
*Sandra Savaglio*, Councilor for Education, University, Scientific Research and Innovation of the Calabria Region  
*Nicola Morace*, Prorector for Research at the Mediterranean University of Reggio Calabria

4.50 - 5.00 pm - Break



#### 5.00 - 7.30 pm ROUND TABLE

##### 1. Territories and cities - territorialism and sustainability

*Marco Bussone*, Chief of the National Union of Municipalities, Communities, and Mountain Bodies - UNCEM  
*Alberto Ziparo*, Society of Territorialists - SdT  
*Maurizio Tira*, Chief of the Italian Society of Town planners - SIU, Rector of the University of Brescia

##### 2. Redevelopment and reuse of the existing on territorial and urban scale

*Michele Talia*, Chief of the National Institute of Town planners - INU  
*Alessandro Marata*, National Council of Architects, Planners, Landscapers, Conservationists - CNAPPC, delegate Energy - Environment  
*Armando Zambrano*, National Council of Engineers - CNI, Chief

##### 3. Territory and best practices

*Samuele Furfaro*, Macingo s.r.l., Confindustria Reggio Calabria  
*Carmelo Basile*, Coop. Fattoria della Piane Società Agricola  
*Italian Regional Science Association - AISRe*, pending confirmation  
*The Italian Alliance for Sustainable Development - ASviS*, pending confirmation

##### 4. Public space and spatial and social sustainability

*Riccardo Petrachi*, Public Space Biennial, Chief  
*Legambiente*  
*Carmelo Malacrino*, National Archaeological Museum of Reggio Calabria, pending confirmation  
*Francesca Fatta*, International PhD in Architecture  
*Aurelia Sole*, Rector of the University of Basilicata

\*The event in question will be disclosed by national and international sites: **RSAl website**, **ISOCARP**, **INU**, **Urbanpromo - Urbit**, **CN APPC**, **AISRe**, **Planum - The Journal of Urbanism**, **BISP**, **RUS**, it will also be present on the SIU Letter News, on that of the SdT.

# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

TS

### TS04-T2

## RE-BALANCING TERRITORIAL INEQUALITIES: HOW MARGINALIZED AREAS CAN BE CATALYSTS OF LOCAL DEVELOPMENT

**Gabriella Esposito De Vita** - TS04-T2 Chair  
CNR IRISS – Institute for Research on  
Innovation and Services  
for Development

*PhD, SENIOR RESEARCHER at the CNR since 2001, Head of the Laboratory on Place-based Regeneration. She coordinated EU, national and regional projects. Her scholarships include USA and European universities. She is member of several Scientific Boards in Research institutions and co-coordinator of the AESOP TG Public Places and Urban Cultures.*

**Elena Marchigiani** - TS04-T2 Chair  
University of Trieste – Department of  
Engineering and Architecture

*RESEARCHER of Town Planning. She is specialized in the design and implementation of planning tools, urban projects and policies. She is habilitated as Full Professor under the National Italian System. Expert in project monitoring and evaluation, she has been Deputy Mayor at the Municipality of Trieste.*

**Camilla Perrone** - TS04-T2 Chair  
University of Florence

*ASSOCIATE PROFESSOR on Urban and Regional Planning. Founding Director of the Research Laboratory of Critical Planning and Design and Coordinator of the PhD Program on Urban and Regional Planning. Her teaching has been awarded in 2013 (AESOP Excellence in Teaching Award). She is habilitated as Full Professor under the National Italian System.*

Wednesday 27th May - Room 3  
9.00 - 11.00 am / 11.30 am - 1.30 pm

### 1. Cultural and Touristic Valorization Processes: Towards a Collaborative Governance for Development in Southern Italy

*Gaia Daldanise, Eleonora Giovane di Girasole, Simona Stella, Massimo Clemente*

### 2. Exploring Territorial Imbalances: a Systematic Literature Review of Meanings and Terms

*Stefania Oppido, Stefania Ragozino, Gabriella Esposito De Vita*

### 3. From Enabling People to Enabling Institutions. A National Policy Suggestion for Inner Areas Coming from an Action-research Experience

*Laura Saija, Giusy Pappalardo*

### 4. Inter\_net Areas. A Culture-led Strategy of Widespread Projects for Montagna Materana (Italy)

*Maria Cerreta, Angela D'Agostino, Giovangiuseppe Vannelli, Piero Zizzania*

### 5. Italian Inner Peripheral Areas: Earthquakes and Collaborative Experiences of Heritage Recovery

*Katia Fabbicatti, Raffaele Amore*

### 6. Italy Testing the Place-based Approach: River Agreements and National Strategy for Inner Areas

*Elisabetta Vitale Brovarone, Giancarlo Cotella, Angioletta Voghera*

### 7. Land Consumption versus Urban Regeneration

*Maria Salvatore Losco, Claudia de Biase*

### 8. Managing Logistics and Supply Chain in Rural Areas: a Systematic Analysis of the Literature and Future Directions

*Pietro Evangelista, Bettina Williger, Girma Gebresenbet, Serena Micheletti*

### 9. Middle Lands in Friuli Venezia Giulia. Research by Design and Towards Action

*Elena Marchigiani*

### 10. Romanian Mountains as Part of European's Cultural Heritage

*Daniela Antonescu*

### 11. The „Economy of Beauty and Culture“. Routes for the Integrated Sustainable Enhancement of the Internal Areas of Alta Irpinia

*Rosa Maria Giusto*

### 12. Which Agenda for the Italian Suburbs? Debating a Marginal Condition in Few Step

*Lorenzo De Vidovich*

# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

TS04-T3

DYNAMISM AND COMPETITIVENESS: HIGH-GROWTH ENTERPRISES,  
START-UPS, GAZZELLES, SCALE-UPS, UNICORNS,  
IN THE EURO-MEDITERRANEAN AREA

TS

Wednesday 27th May - Room 3  
2.30 - 4.30 pm

### 1. A Structured Literature Review of Immigrant Entrepreneurship. Insights from Italy

Valbona Dudi, Mara Del Baldo, Maria Gabriella Baldarelli

### 2. Collective and Commercial Catering Services of the Ho.re.ca Channel: a Case Study in Calabria (Italy)

Giuseppe Filippone, Valentina Rosa Laganà, Donatella Di Gregorio, Agata Nicolosi

### 3. From Technology Systems to Human Infrastructure Strategies. An Exploratory Analysis of an Italian Two-case Study on Recovery after Eco-disasters

Paolo Esposito, Alessandra Ricciardelli

### 4. Italian Innovative Start-up Cohorts: an Empirical Survey on Profitability

Guido Migliaccio, Pietro Pavone

### 5. Making a Step Forward towards Urban Resilience. The Contribution of Digital Innovation

Carlo Vermiglio, Hiroko Kudo, Vincenzo Zarone

### 6. Toward Nature-Based Solutions (NBS) Approach in Integrated Segment Reporting of Place-based Organizations

Nicolò Domenico, Baldarelli Maria Gabriella

**Carmelina Bevilacqua** - TS04-T3 Chair  
Mediterranea University of Reggio Calabria

*ASSISTANT PROFESSOR of Urban Planning. Her research concerns the effects of development policies, at national and European level, on the transformations of cities and regions. Grounded in a multidisciplinary approach in combining urban-regional science with research-innovation dynamics, her recent areas of interest range in tackling how innovation policy and urban planning act in a complementary way for supporting knowledge dynamics towards the regeneration of the local economy.*

**Domenico Nicolò** - TS04-T3 Chair  
Mediterranea University of Reggio Calabria – DIGIES

*FULL PROFESSOR of Economia Aziendale (eq. to Business Economics) and scientific coordinator of the ReTMES Research Lab on Entrepreneurship and new venture creation in Mediterranean Area, University Mediterranea of Reggio Calabria, Italy.*

# NEW METROPOLITAN PERSPECTIVES 2020

THEMATIC SESSIONS - TS

TS

## TS04-T4

### COMMUNITY-LED LOCAL DEVELOPMENT OF COASTAL AND FISHERIES AREAS

**Claudio Marcianò** - TS04-T4 Chair  
Mediterranea University of Reggio Calabria –  
Agraria Department

*MSc, PhD, ASSOCIATE PROFESSOR of Agricultural Economics at the Agraria Department of the Mediterranea University of Reggio Calabria, Italy. He conducts mainly action research focused on local governance and integrated development, using mixed methodologies and decision support systems.*

Wednesday 27th May - Room 3  
5.00 - 7.00 pm

#### **1. Development of Quantitative Models Supporting Responsible Public Investment Decisions for Tourism Sustainability**

*Aurora Skrame, Roberto Musmanno, Vincenzo Corvello, Claudio Ciancio*

#### **2. Evaluating the Priorities of the Calabria's Coast FLAGs for the Improvement of the Quality of Life of the Fisheries Communities**

*Claudio Marcianò, Alba Di Staso, Giuseppa Romeo*

#### **3. Local Seafood Products: Consumers and Territory for a Rural Development Strategy in the South of Italy**

*Agata Nicolosi, Lorenzo Cortese, Mariangela Petullà, Valentina Rosa Laganà, Donatella Di Gregorio, Claudio Marcianò*

#### **4. Socio-economic Impacts of the Common Fisheries Policy on South and Central Tyrrhenian Sea (GSA 10) Demersal Trawl Fisheries**

*Rosaria Felicita Sabatella, Paolo P. Accadia, Maria Cozzolino, Monica Gambino, Loretta Malvarosa, Evelina Carmen Sabatella*

#### **5. Territorial Cooperation for Sustainable Development in the Framework of Fisheries Local Action Groups. The Case of Galicia (Spain)**

*Jesús Felicidad García, María Ángeles Piñeiro Antelo*

#### **6. The "Blue Vision" of Ionian Coastal Rural Area**

*Maria Assunta D'Oronzio, Mariacarmela Suanno, Gianluca Gariuolo, Gabriella Ricciardi*



# NEW METROPOLITAN PERSPECTIVES 2020

THEMATIC SESSIONS - TS

TS05

THE MULTIPLE BENEFITS OF SMART ENERGY PROJECTS, COMMUNITIES, DISTRICTS AND TERRITORIES. TOWARDS NEW MODELLING, IMPLEMENTING AND APPRAISAL APPROACHES

TS

Wednesday 27th May - Room 2  
2.30 - 4.30 pm

## **1. The Economic Feasibility for Valorization of Cultural Heritage. The Restoration Project of the Reformed Fathers' Convent in Francavilla Angitola: The Zibib Territorial Wine Cellar**

*Immacolata Lorè, Francesco Calabrò, Giuseppina Cassalia*

## **2. Developing Small Agro-energy Districts in Southern Italy: An Economic Assessment of a Plant Producing Electrical and Thermic Energy from Wood Biomass**

*Claudio Marcianò, Paolo Careri, Vincenzo Crea, Giuseppa Romeo*

## **3. Environmental Sustainability and Energy Transition: Guiding Principles of The New Models of Urban Governance in Pamplona (Spain)**

*María José Piñeira Mantiñán, Ramón López Rodríguez*

## **4. Multiple Impacts of Energy Communities: Conceptualization Taxonomy and Assessment Examples**

*Adriano Bisello, Maksym Koltunov*

## **5. Strategic Planning and Decision Making: a Case Study for the Integrated Management of Cultural Heritage Assets in Southern Italy**

*Lucia Della Spina*

**Adriano Bisello** - TS05 Chair  
EURAC – Bolzano

*Adriano Bisello is Urban Planner and Ph.D. in Real Estate Economics. He is senior researcher in the Urban and Regional Energy Systems group at Eurac Research in Bolzano (Italy). Adriano's activities range from local to European-funded projects in the field of smart cities and energy transition, with a focus on multiple-benefits and energy communities. Actually he is project manager of the EU smart city project STARDUST in the „Lighthouse city” of Trento. Since 2015, Adriano has managed the international conferences on “Smart and Sustainable Planning for Cities and Regions” –SSPCR– held by Eurac Research (<http://www.sspcr.eurac.edu/>)*

**Giuliano Marella** - TS05 Chair  
University of Padova

*Associate Professor of Real Estate Economics at the Civil, Architectural and Environmental Engineering Department of the University of Padova. He also teaches at the Master „Pianificazione, progetto, costruzione e gestione di infrastrutture aeroportuali”, University of Padova. In 2018 he obtained the National Scientific Qualification as Full Professor in Real Estate Economics (SSD 08-A3-ICAR/22).*

*Since 2004, he is a member of the Ph.D. program in Management Engineering and Real Estate Economics. He took part in several research programs, also as Principal Investigator. His research interests are the assessment of environmental assets, the economic feasibility of urban renewal, and the role of urban form and socio-economic features on the development of the housing market in Italy. He is co-director of the Journal Galileo and he is a reviewer for peer-reviewed international Journals. Over time, the results of his research have been presented in a diverse International Conference.*

**Valentina Antonucci** - TS05 Chair  
University of Padova

*Ph.D. in Management Engineering and Real Estate Economics. She is a postdoctoral fellow at the Department of Civil, Environmental and Architectural Engineering of the University of Padova (Italy). In 2018 she obtained the National Scientific Qualification as Associate Professor in Real Estate Economics (SSD A3-08 - ICAR/22). Her research in the last years is focused on the relevance of energy efficiency in the housing market trend in Italy, and the role of energy communities and distributed generation of energy in the real estate market. She also working on the risk assessment in public works. She is the co-author of several articles about the role of urban form, urban density, and urban socio-economic features on the development of the housing market in Italy. Over time, the results of her research have been presented in a diverse International Conference. She is the Assistant of the Editorial Manager of Scienze Regionali. Italian Journal of Regional Science. She is also a reviewer for peer-reviewed international Journals.*

# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

TS

### TS06

## SHAPE, RULES AND VALUES. NEW EVALUATIONS METHODS FOR URBAN REGENERATION

**Isabella Lami** - TS06 Chair  
Politecnico di Torino – DIST

*ASSOCIATE PROFESSOR of Urban Planning Evaluation and Project Appraisal at Interuniversity Department of Regional and Urban Studies and Planning of Politecnico and Università di Torino (DIST). She has a wide expertise in evaluating Multicriteria Decision Analysis (MCDA) and spatial decision processes within the context of urban and territorial transformations. She is going and also in managing international participatory processes. She is involved in several National, European and International Research Projects on this topic.*

**Stefano Moroni** - TS06 Chair  
Milan Polytechnic University

*PROFESSOR of planning at Milan Polytechnic University. His research interests include applied ethics and legal philosophy. Among his published books are: "Contractual Communities in the Self-Organizing City", 2012; "Ethics, Design and Planning of the Built Environment", 2013; "Cities and Private Planning", 2014, "Space and Pluralism", 2016.*

Wednesday 27th May - Room 4  
9.00 - 11.00 am

### 1. A New Lombardy Region Law: Regeneration Toward (almost) Free Planning

*Roberto De Lotto, Caterina Pietra, Elisabetta Maria Venco*

### 2. Abandonment as an "Urban" Problem? Critical Implications and Challenges for Urban Studies

*Anita De Franco*

### 3. Integrated Strategies for Sustainable Urban Renewal in Hot and Dry Climate

*Chro Ali Hamaradha, Sara Elhadad, István Kistelegdi*

### 4. Intensity. Revealing the Potential of Spaces

*Lucia Baima, Matteo Robiglio*

### 5. Performance Indicators Framework to Analyse Factors Influencing the Success of Six Urban Cultural Regeneration Cases

*Beatrice Mecca, Isabella Lami, Francesca Abastante*

### 6. Unused Public Buildings and Civic Actors. A New Way to Rethink Urban Regeneration Processes

*Beatrice Maria Bellè*

# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

TS07

TOWARDS SUSTAINABLE, SAFE, SMART AND RESILIENT INFRASTRUCTURES

TS

Wednesday 27th May - Room 6  
11.30 am - 1.30 pm

### 1. A Proposed Model to the Flight Safety

Michele Buonsanti

### 2. Environmental Impact of Maintenance Operations: the Comparison between Traditional and Geogrid-reinforced Roads

Giovanni Leonardi, Rocco Palamara, Federica Suraci

### 3. Exploiting 3D Modelling and Life Cycle Assessment to Improve the Sustainability of Pavement Management

Ronald Anthony Roberts, Konstantinos Mantalovas, Gaetano Di Mino, Laura Inzerillo

### 4. Measuring the Sustainability of Transportation Infrastructures through Comparative Life Cycle and Energy Assessment

Marinella Giunta, Filippo Giammaria Praticò, Marina Mistretta, Teresa Maria Gulotta

### 5. Operating and Integration of Services in Local Public Transport

Giovanni Leonardi, Francis Cirianni, Domenico Iannò

### 6. Proactive Maintenance Strategy Based on Resilience Empowerment for Complex Buildings

Francesco Rota, Cinzia Talamo, Giancarlo Paganin

### 7. Smart Road Infrastructures through Vibro-acoustic Signature Analyses

Rosario Fedele

**Marinella Giunta** - TS07 Chair  
Mediterranea University of Reggio Calabria –  
DICEAM

*ASSISTANT PROFESSOR of Road Railway and Airport. Prof. Giunta's research activities are focused on the study of safety, sustainability, resilience and materials of road and railway infrastructures. Results of the researches carried out have been published in prestigious journal and presented in national and international conference.*

**Giovanni Leonardi** - TS07 Chair  
Mediterranea University of Reggio Calabria –  
DICEAM

*ASSOCIATE PROFESSOR of Road Railway and Airport. He is author and co-author of more than 100 scientific papers on topics in environment impact assessment, road, railway and airport materials, transport safety, road maintenance and rehabilitation, sustainable materials and technologies, finite element analysis.*

# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

TS

**TS08**

**URBAN REPRESENTATIONS AND VISUAL NARRATIVES**

**TS24**

**PLACE IN DISCOURSE (TOWARDS THE DEFINITION OF PLACE)**

**Beniamino Polimeni** - TS08 Chair  
Leicester School of Architecture at De Montfort University

*Beniamino Polimeni received his PhD from the Italian National Doctorate School in Representation and Survey Sciences' and was a postdoctoral fellow in the Aga Khan Program for Islamic architecture at M.I.T. He is currently a lecturer and the Programme Leader of the Master in Architectural Design at the Leicester School of Architecture.*

**Mohammed Ezzat** - TS24 Chair  
German University in Cairo

*Ph.D. candidate MSc. Architect Mohammed Ezzat. He is the owner of ME architects ([www.me-archs.com](http://www.me-archs.com)) and an academic instructor at the German University in Cairo. He is interested in subjects such as urban identity, universal urbanism, design creativity, and computational augmentation in urban creative design.*

Thursday 28th May - Room 1  
11.30 am - 1.30 pm

### **1. A Comprehensive Conceptualization of Urban Constructs**

*Mohammed Mustafa Ezzat*

### **2. Conceptual Drawings as Explorative Tools: Tracing the Evolution of the Extended and Nuclear Family Houses in Kuwait**

*Beniamino Polimeni, AlMulla Mohammed*

### **3. Form, Structure and Identity of Places in the Reconstruction of the City. Aleppo and Mosul: A comparison of two cases**

*Flavio Menici, Domenico Chizzoniti, Tommaso Lolli*

### **4. Knowledge and Safeguarding of Cultural Heritage. New Technologies for Survey and Restoration: Innovative Methods and Non-Destructive Investigation**

*Federica Bonerba, Alberto Di Buono, Stefano Leonardi, Immacolata Lorè, Raffaele Piatti*

### **5. Marcet Sine Adversio Virtues**

*Christer Bengs*

### **6. Nighttime City Mobility. Contributions from a Literary Urban Space**

*Lucrezia Lopez, Antonietta Ivona*

### **7. The Valuation of Unused Public Buildings in Support of Policies for Inner Areas. The Application of SostEc Model in a Case Study in Condofuri (Reggio Calabria, Italy)**

*Tiziana Meduri, Francesco Calabrò, Federica Mafri*

### **8. Urban Art as a Popular Expression in the Historic Centre of Mexico City**

*Fernando Luis Zapata*

# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

TS09

### TRANSFORMING THE BUILT ENVIRONMENT THROUGH SUSTAINABILITY: PROCESSES AND VALUES

TS

Wednesday 27th May - Room 2  
5.00 - 7.00 pm

#### **1. A Methodological Framework for the Economic Assessment of ICT-tools for Occupants' Engagement**

Giulia Vergerio, Cristina Becchio, Marta Carla Bottero, Stefano Paolo Corgnati

#### **2. Built Environment and Alzheimer. Quality Evaluation of Territorial Structures for Patients with Dementia**

Andrea Brambilla, Roberto Maino, Silvia Mangili, Stefano Capolongo

#### **3. Energy Audit and Multi-Criteria Decision Analysis to Identify Sustainable Strategies in the University Campuses: Application to Politecnico di Torino**

Federico Dell'Anna, Cristina Becchio, Marta Carla Bottero, Stefano Paolo Corgnati, Giulia Vergerio

#### **4. Environmental Performances in Green Labels for Hotels – A Critical Review**

Giulia Crespi, Cristina Becchio, Tiziana Buso, Stefano Paolo Corgnati

#### **5. Evaluating AVMs Performance. Beyond the Accuracy**

Agostino Valier

#### **6. Feasibility Analysis of a Multi-family House Energy Community in Italy**

Ilaria Abbà, Francesco Demetrio Minuto, Andrea Lanzini

#### **7. Improving the Energy Efficiency in Historic Building Stocks: Assessment of a Restoration Compatibility Score**

Laura Gabrielli, Aurora Greta Ruggeri, Massimiliano Scarpa

#### **8. Reaching Sustainability in Healthcare: Strategies for a Healthy Indoor Air Quality in Healing Environments**

Marco Gola, Gaetano Settimo, Stefano Capolongo

#### **9. Transforming The Built Environment Through Healthy-Design Strategies. A Multidimensional Framework for Urban Plans' Evaluation**

Maddalena Buffoli, Andrea Rebecchi, Marta Dell'Ovo, Alessandra Oppio, Stefano Capolongo

**Raul Berto** - TS09 Chair  
University of Trieste – Dept. of Engineering and Architecture

*PhD at University of Trieste. In 2017, he started his research fellow at University of Trieste. Since 2012, he conducts research about green building, in particular the valuation of benefits deriving from the installation of green roof on existing building. Currently, he is part of a research group that deals with performance and economic assessments aimed at modernizing health facilities.*

**Federico Dell'Anna** - TS09 Chair  
Politecnico di Torino – DIST

*RESEARCH FELLOW at the Interuniversity Department of Regional Urban Studies and Planning at the Politecnico di Torino. He received his Bachelor in Architecture Science and Master's in Architecture Construction City from the Politecnico di Torino, Italy. He is interested in integrated evaluation of urban and territorial requalification operations, with specific reference to the estimation of co-benefits achieved by energy improvement according to Net Zero Energy District and Post Carbon City targets. aimed at modernizing health facilities.*

**Marta Dell'Ovo** - TS09 Chair  
Politecnico di Milano – DABC

*RESEARCH FELLOW at the department of Architecture, Built environment and Construction engineering at Politecnico di Milano. She held her PhD in 2017 and her research activities concerns the evaluation of plans, projects and resources under the economic, environmental and social dimensions guided by multidisciplinary approaches.*

**Alessia Mangialardo** - TS09 Chair  
IUAV University of Venice – Department of Architecture and Art

*RESEARCH FELLOW at the department of RESEARCH FELLOW at the IUAV University of Venice. Her research activity is linked to the economic-financial evaluation of plans and projects and of public/private partnership instruments sector. She is also a freelance architect and for years has been involved in real estate appraisals, feasibility studies and competitions of ideas in the field of architectural design.*



# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

TS

### TS10

## TOWARDS AN OPERATIONAL DEFINITION OF SOCIAL INNOVATION PRACTICE IN REGIONAL DEVELOPMENT POLICY AND URBAN REGENERATION

**Luca Tricarico** - TS10 Chair  
Luiss Guido Carli Department of Business & Management

*RESEARCHER at the Department of Business and Management, Luiss Guido Carli University, holding a post-doc on Social Innovation Based Entrepreneurial Models and Regional Development. Luca holds a PhD in Urban Planning, Design and Policy at Politecnico di Milano.*

**Alessia Mangialardo** - TS10 Chair  
University IUAV of Venice

*RESEARCHER at the IUAV University of Venice, Her research activity is linked to the enhancement of public real estate assets through social innovation projects. She is also a freelance architect and for years has been involved in real estate appraisals, feasibility studies and competitions of ideas in the field of architectural design.*

Wednesday 27th May - Room 2  
9.00 - 11.00 am

### 1. A new Generation of 'Urban Centers': 'Intermediate Places' in Boston and Bologna

*Martina Massari, Bruno Monardo*

### 2. Are Bottom-up Enhancement processes just a Temporary Trend? Empirical Evidence in Italy

*Alessia Mangialardo, Ezio Micelli*

### 3. Can Cities Become 'Inclusive Learning Environments'? The Contribution of Social Innovation Practices in the Italian Context

*Federica Fulghesu, Luca Tricarico, Andrea Billi, Chiara Missikoff*

### 4. Fostering New Value Chains and Social Impact-oriented Strategies in Urban Regeneration Processes: what Challenges for the Evaluation Discipline?

*Irene Rubino, Cristina Coscia*

### 5. Micro-Festival: an Informal Structure can Create a Social Innovation Process. Towards a Preliminary Investigation

*Giulia Alonzo*

### 6. Opportunities and Challenges of Social Innovation Practices in Urban Development and Public Real Estate Management. Italy as a Case Study

*Mara Ladu, Silvia Bernardini*

### 7. Situating Social Innovation in Territorial Development: a Reflection from the Italian Context

*Luca Tricarico, Lorenzo De Vidovich, Andrea Billi*

### 8. Social and Sustainability Inclusion: the Case Study of MAAM in Rome

*Irene Litardi, Lavinia Pastore*

### 9. Social Innovation in Productive Assets Redevelopment: Insights from the Urban Development Scene

*Federica Scaffidi*

# NEW METROPOLITAN PERSPECTIVES 2020

THEMATIC SESSIONS - TS

**TS11**  
**INNOVATION ECOSYSTEMS**  
**TS26**  
**URBAN RESILIENCE**

**TS**

Thursday 28th May - Room 1  
9.00 - 11.00 am

## **1. Improving Risk Knowledge for Planning Purposes: Critical Issues and Hints for Enhancement**

*Adriana Galderisi, Giada Limongi*

## **2. Performance-based Planning for Sustainable Cities. Innovative Approaches and Practices in Italy**

*Gabriella Pultrone*

## **3. Smart Technologies for the Environmental Design of Smaller Urban Centres**

*Elvira Nicolini, Marina Sinatra*

## **4. Social Innovation and Sustainable Project**

*Alberto De Capua, Valentina Palco, Lidia Errante*

## **5. The Impact of Smart Technology to Improve Urban Resilience for Disaster Risk Reduction**

*Ibtisam Abdul Elah Mohammed Al Khafaji*

**Chro Hama Radha** - TS11 Chair  
Sulaimani Polytechnic University – Technical  
College of Engineering/  
City Planning Department

*Dr. Chro Hama Radha a lecturer at the Sulaimani Polytechnic University in Iraq since 2011. - Academic coordinator of postgraduate studies at the Technical College of Engineering. - Member of the Scientific Committee in the City Planning Department. - Head of an NGO Organization. - Designer and supervisor of the hospital and health center projects for 9 years at the Ministry of Health.*

**Ibtisam Abdulalah Mohammed Al Khafaji** -  
TS26 Chair  
Al Israa University College – Department of  
Architecture

*Ph.D. in Spatial planning. Her experience includes 24 years of creative work as scientific researcher inside and outside Iraq. Her interests embrace encouraging cooperation between individuals and centers of scholarships; promoting scientific research on major challenges faced by developing countries.*

**Shaymaa Fadhil alkubaisi** - TS26 Chair  
Koya University, Faculty of Engineering –  
Architectural  
Engineering Department

*PHD. Degree in Technology in architectural engineering, specialized in urban design. She has 22 years of creative work as scientific researcher and a designer inside Iraq, and teaching in many Universities like: University of Technology in Baghdad, Koya University in Erbil, Tishk International University, Chihan University in Erbil. Encourage cooperation between individuals and international scientific centers.*

# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

TS

TS12

### VALUATIONS SUPPORT POST CARBON CITY AND GREEN BUILDING STRATEGIES

**Domenico Enrico Massimo** - TS12 Chair  
Mediterranea University of Reggio Calabria

ASSOCIATE PROFESSOR of Urban Appraisal and Economics, at Mediterranean University in Reggio Calabria, Italy; - vice director of PAU [P(atrimony) A(rchitecture) U(rbanism)] Department, at Mediterranean; - founder and director, of Geomatic Valuation University Laboratory (GeVaUL), devoted to spatial valuation focused on bio ecological mitigation of Climate Change; -1989-1991 fellow and 2008-2011 research affiliate at Massachusetts Institute of Technology, MIT (Cambridge, Usa), Department of Urban Studies and Planning; - MIT Spurs Community member since 1990. One focus of his recent research is the bio ecological mitigation of Climate Change and Global Warming phenomena, by experimenting in real world Green Post Carbon City Strategy, with projects like: -REDUCER Research Project for Post Carbon Cities and emission reduction, with MIT, Department of Architecture, and Tsinghua University (Beijing, PRC), Center for Clean Energy; co – director. He authored over one hundred and fifty scientific publications: Indexed scientific review articles; book chapters; peer reviewed meeting proceedings; research reports.

Thursday 28th May - Room 3  
9.00 - 11.00 am / 11.30 am - 1.30 pm

#### 1. Analysis of the Relationship between Bioclimatology and Sustainable Development

Ana Cano-Ortiz, José Carlos Piñar Fuentes, Ricardo José Quinto Canas, Carlos José Pinto Gomes, Eusebio Cano

#### 2. Cork Oak Forest Spatial Valuation toward Post Carbon City by CO2 Sequestration

Alessandro Malerba, Giovanni Spampinato, Francesco Calabrò, Carlo Bernardo, Carmelo Musarella

#### 3. Cork Oak Vegetation Series of Southwest of the Iberian Peninsula: Diversity and Ecosystem services

Ricardo Quinto-Canas, Ana Cano-Ortiz, Mauro Raposo, José Carlos Piñar Fuentes, Eusebio Cano, Neuza Barbosa, Carlos José Pinto Gomes

#### 4. Digitalization of a Sustainable Bamboo Structure Using Aerial Photogrammetry

Vincenzo Barrile, Gabriele Candela, Ernesto Bernardo, Antonino Fotia

#### 5. Economic Valuation of Buildings Sustainability with Uncertainty in Costs and in Different Climate Conditions

Elena Fregonara, Diego Giuseppe Ferrando, Giacomo Chiesa

#### 6. Energy Equalization and the Case of the 'ZEB Hotels'

Salvatore Giuffrida, Francesco Nocera, Maria Rosa Trovato, Grazia Napoli, Simona Barbaro

#### 7. Green Buildings for Post Carbon City: Determining Market Premium using Spline Smoothing Semiparametric Method

Pierfrancesco De Paola, Vincenzo Del Giudice, Domenico Enrico Massimo, Francesco Paolo Del Giudice, Mariangela Musolino, Alessandro Malerba

#### 8. Market Price Premium for Green Buildings: a Review of Empirical Evidence. Case Study

Pierfrancesco De Paola, Vincenzo Del Giudice, Domenico Enrico Massimo, Francesca Salvo, Manuela De Ruggiero, Mariangela Musolino

#### 9. Quarries Renaturation by Planting Cork Oaks and Survey with UAV

Alessandro Malerba, Vincenzo Barrile, Antonino Fotia, Francesco Calabrò, Carlo Bernardo, Carmelo Musarella

#### 10. The European Green Deal: New Challenges for the Economic Feasibility of Energy Retrofit at District Scale

Grazia Napoli, Simona Barbaro, Salvatore Giuffrida, Maria Rosa Trovato

#### 11. The market Price Premium for Residential PV Plants

Chiara D'Alpaos, Paolo Bragolusi

#### 12. Towards an Eco-compatible Origin of Construction Materials. Case Study: Gypsum

Francisco J. Pérez-García, Esteban Salmerón-Sánchez, Fabián Martínez-Hernández, Antonio Mendoza-Fernandez, Encarnación Merlo, Juan F. Mota

# NEW METROPOLITAN PERSPECTIVES 2020

THEMATIC SESSIONS - TS

TS14

## INTEGRATED TECHNIQUES AND INNOVATIVE METHODOLOGIES OF GEOMATICS FOR LOCAL DEVELOPMENT'S INNOVATION DYNAMICS

TS

Thursday 28th May - Room 4  
9.00 - 11.00 am / 11.30 am - 1.30 pm

### 1. Applying 3D and Photogrammetric Scanning Systems to the Case of Cultural Heritage

*Antonino Fotia, Raffaele Pucinotti*

### 2. Coastal Flood Hazard: a Quick Mapping Methodology. Case Study: Gioia Tauro (Italy)

*Giandomenico Foti, Giuseppina Chiara Barillà, Giuseppe Barbaro, Fabrizio Currò*

### 3. Geomatics and Virtual Reality Techniques for underwater Heritage Knowledge Agriculture Systems in Basilicata, Southern Italy

*Vincenzo Barrile, Raffaele Pucinotti, Giuliana Bilotta*

### 4. Knowledge Agriculture systems in Basilicata, Southern Italy

*Maria Assunta D'Oronzio, Giuseppina Costantini*

### 5. Monumental Arc 3D model Reconstruction through BIM Technology

*Ernesto Bernardo, Giuliana Bilotta*

### 6. No-destructive Analysis: 3D Modeling by Thermography for Cultural Heritage

*Antonino Fotia, Vincenzo Barrile, Francesca Panzera*

### 7. San Pietro di Deca: from Knowledge to Restoration. Studies and Geomatics Investigations for Conservation, Redevelopment and Promotion

*Ernesto Bernardo, Marilisa Musolino, Mariangela Maesano*

### 8. Submerged Photogrammetric Survey: a Methodology to Enhance Image

*Marilisa Musolino, Mariangela Maesano, Giuliana Bilotta*

### 9. Traffic Flows Surveying and Monitoring by Drone-video

*Domenico Gattuso, Gian Carla Cassone, Margherita Malara*

**Vincenzo Barrile** - TS14 Chair  
Mediterranea University of Reggio Calabria –  
DICEAM

*PROFESSOR of Geomatics at Mediterranean University of Reggio Calabria. The main research interests are related to surveying and monitoring with integrated Geomatic techniques, 3D modeling, Photogrammetry, GNSS, Remote Sensing, cartography, GIS. He is the Scientific Responsible of the Geomatics Lab. He is author of more than 300 scientific papers.*

**Antonino Fotia** - TS14 Chair  
Mediterranea University of Reggio Calabria –  
DICEAM

*PhD Student. The main research interests are related to surveying and monitoring with integrated Geomatic techniques; applications of Photogrammetry, Laser-Scanning and Geographical Information Systems to the Cultural Heritage; 3D modeling of archaeological sites; innovative geomatic techniques for monitoring and precision farming; digital terrain models and mapping urban landscapes.*

# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

TS

### TS15

## DECISION SUPPORT METHODS FOR URBAN PLANNING POLICIES CONCERNING THE SAVING SOIL AND THE ENHANCEMENT OF PROPERTIES IN DISUSE

**Francesco Tajani** - TS15 Chair  
Sapienza University Of Rome – Department  
of Architecture and Design

*ASSISTANT PROFESSOR in Real Estate Appraisal at the Department of Architecture and Design, Sapienza University of Rome, Italy. He is author and coauthor of more than eighty published works on various topics, including the study of innovative algorithms as support to real estate appraisal, the evaluation of investments on cultural and environmental assets, the elaboration of models for the activation of regeneration projects on degraded areas and the enhancement of buildings in disuse, the econometric analysis of the dynamics of real estate prices generated by macroeconomic variables.*

**Pierluigi Morano** - TS15 Chair  
Polytechnic University of Bari – Department  
of Civil Engineering Sciences

*FULL PROFESSOR in Real Estate Appraisal at the Department of Science of Civil Engineering and Architecture, Polytechnic University of Bari, Italy. He is the author and coauthor of books, journal papers and conference papers on various topics, including the themes of the plans and investments valuation, the valuation of the cost of the public works, the analysis of the real estate market, the real estate appraisal, the public-private negotiation in urban planning.*

**Francesco Sica** - TS15 Chair  
Sapienza University of Rome – Architecture  
and Project Department

*Graduated in Building Engineering-Architecture from the University of Salerno in Italy, he is currently a Ph.D. student in Appraisal and Evaluation of Projects at the Doctoral School of Architecture and Construction in Sapienza University of Rome (Italy). At the Food and Agricultural Organization based in Rome and, then, at the SUNY College of Syracuse in New York State (USA), he carried out research activities specially regarding the economic evaluation of nature-based investments for urban planning. He joined as a speaker in numerous workshops, conferences, and seminars. He is the author and co-author of books, journal papers and conference papers on various subjects, including the application of multi-criteria decision-making methods, econometric models, analysis algorithms to the property markets, investments evaluation and the environmental economy.*

Wednesday 27th May - Room 1  
5.00 - 7.00 pm

### 1. An Evaluation Model for the Definition of Priority Lists in PPP Redevelopment Initiatives

*Pierluigi Morano, Felicia Di Liddo, Francesco Tajani, Maria Rosaria Guarini*

### 2. An Integrated Decision Support System to Define the Best Scenario for the Adaptive Sustainable Reuse of Cultural Heritage in Southern Italy

*Lucia Della Spina, Claudia Giorno, Ruggiero Galati Casmiro*

### 3. Cost Benefit Analysis for a Hydraulic Project: a Case Study

*Francesca Torrieri, Pierfrancesco De Paola, Marco Basile, Giuseppe Vacca, Vincenzo Del Giudice*

### 4. Cost-Benefit Analysis and Ecological Discounting

*Antonio Nesticò, Gabriella Maselli*

### 5. The Financial Feasibility Analysis of Urban Transformation Projects: an Application of a Quick Assessment Model

*Debora Anelli, Francesco Sica*

### 6. The Valorisation of Public Real Estate Assets in Italy: A Critical Reconstruction of the Legislative Framework

*Sebastiano Carbonara, Stefano Davide*



## PARTNERSHIPS FOR THE FUTURE: PARTICIPATORY AND MULTIDISCIPLINARY POLICIES TO SUSTAINABLE URBAN GOVERNANCE

Wednesday 27th May - Room 4  
2.30 - 4.30 pm

### 1. Addressing Social Inclusion within Urban Resilience: A System Dynamics Approach

*Giulia Datola, Marta Bottero, Elena De Angelis*

### 2. Benefits of Blending Mandate in Sustainable Economies

*Cinzia Bonaldo*

### 3. Multilevel Co-Governance within the 2030 Agenda: The Impact of Participatory Processes in the Veneto Region Sustainable Development Strategic Planning

*Maria Stella Righettini*

### 4. Public-Private Partnership: Risk Allocation in Different International Markets

*Giacomo Garzino*

### 5. Renewable Energy Communities: the Challenge for New Policy and Regulatory Frameworks Design

*Chiara D'Alpaos, Francesca Andreolli*

### 6. The European Local Energy Assistance (ELENA) Fund: the Relevance of Expected and Unexpected Partnerships

*Marina Bertolini*

### 7. Using EPCs Data to Assess Energy Efficiency and CO2 Emissions for Residential Buildings in Small Urban Areas

*Riccardo Camboni*

**Chiara D'Alpaos** - TS17 Chair  
University of Padova – ICEA

*ASSOCIATE PROFESSOR in Real Estate Economics and Projects Valuation at the University of Padova, Department ICEA. Current research interests include Environmental and Energy Economics, Investment Decisions Under Uncertainty and Dynamic Stochastic Optimization, Regulation and Management of Public Utilities, Public Procurement and Efficient Auction Mechanisms, Public Policy Valuations, Multicriteria Decision Aiding.*

**Maria Stella Righettini** - TS17 Chair  
University of Padova – SPGI

*ASSOCIATE PROFESSOR in Governance and Policy Evaluation at the University of Padova, Department SPGI. Current research interests include European and local Governance in Renewable Energy Policy; Energy Communities; Policy Integration and Impact Evaluation for Sustainable Development; Food Policies; Public Utilities; Universal Service Policies in the TLC Sector.*

**Paola Valbonesi** - TS17 Chair  
University of Padova – DSEA

*FULL PROFESSOR of Economics at the University of Padova. She obtained her Laurea in Political Science (University of Padova), MA and PhD in Economics at the EUI, Florence. She has investigated the design of regulated sectors, procurement, effects of state aids to business and to foster innovation.*

# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

TS

### TS18

## BRIDGING THE GAP BETWEEN ECOSYSTEM SERVICES AND LANDSCAPE DESIGN. THE ROLE OF THE EVALUATION IN SUPPORTING THE DESIGN PROCESS

**Antonio Longo** - TS18 Chair  
Polytechnic of Milan – DASTU

*ASSOCIATE PROFESSOR of Urban Design and Landscape at Politecnico di Milano and coordinator of the Master's degree course in Landscape Architecture\_Land Landscape Heritage. His research activities mainly concern the landscape design, the relationship between landscape and infrastructure, processes of urban transformation and urban planning.*

**Marta Dell'Ovo** - TS18 Chair  
Polytechnic of Milan – DABC

*RESEARCH FELLOW at the department of Architecture, Built environment and Construction engineering at Politecnico di Milano. She held her PhD in 2017 and her research activities concerns the evaluation of plans, projects and resources under the economic, environmental and social dimensions guided by multidisciplinary approaches.*

**Stefano Corsi** - TS18 Chair  
University of Milan – Department of Agricultural and Environmental Sciences - Production, Landscape, Agroenergy

*RESEARCHER at University of Milan. His research interests concern sustainable value chains, relationships between urban and rural areas, environmental conflicts and vulnerability, valuation of ecosystem services. His teaching activities include Appraisal and Economic Evaluation of Projects. He is member of several National and European projects.*

**Alessandra Oppio** - TS18 Chair  
Polytechnic of Milan – DASTU

*PROFESSOR of Project Appraisal and Evaluation at Politecnico di Milano from 2018. PhD in "Planning, maintenance and development of building and urban systems". Author of numerous articles published in national and international journals on sustainability evaluation; economic evaluation of the environmental and cultural resources; complex decision-making processes and integrated assessments; urban transformation processes and real estate market.*

Wednesday 27th May - Room 2  
11.30 am - 1.30 pm

### 1. Ecosystem Services in Land-use Planning: an Application for Assessing Transformation Scenarios at the Local Scale

*Caterina Caprioli, Marta Bottero, Elisa Zanetta, Giulio Mondini*

### 2. Hybrid Evaluation Approaches for Cultural Landscape: the Case of „Riviera dei Gelsomini” Area in Italy

*Lucia Della Spina, Angela Viglianisi*

### 3. Project and Evaluation of Nature-based Solutions for the Regeneration of Public Space

*Elena Mussinelli, Andrea Tartaglia, Giovanni Castaldo, Davide Cerati*

### 4. Reclamation Cost: an Ecosystem Perspective

*Leopoldo Sdino, Paolo Rosasco, Marta Dell'Ovo*

### 5. The Role of the Evaluation in Designing Ecosystem Services. A Literature Review

*Marta Dell'Ovo, Alessandra Oppio*

# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

TS19

### INNOVATIVE AND SUSTAINABLE APPROACHES FOR THE ENHANCEMENT OF CULTURAL HERITAGE IN FRAGILE AREAS

TS

Thursday 28th May - Room 2  
9.00 - 11.00 am / 11.30 am - 1.30 pm

#### 1. Cultural Heritage Social Value and Community Mapping

Marco Rossitti, Francesca Torrieri, Alessandra Oppio

#### 2. Dynamics of North Italian Historic Centers and their Meaning for the Urban Structure

Ezio Micelli, Paola Pellegrini

#### 3. Matera European Capital of Culture 2019: a Preliminary City Branding Valuation

Pierfrancesco De Paola, Vincenzo Del Giudice, Fabiana Forte, Benedetto Manganelli

#### 4. Rural Landscape Heritage in the Inner Areas as Repository of Culture

Francesca Vigotti

#### 5. Strategies for Sustainable Enhancement of Fortified Architecture in Inner Areas. The Case of Amendolea Castle

Roberta Pellicanò

#### 6. Sustainability between Smart Materials and Design Methodology (Baghdad City as a Case Study)

Maha Haki, Emad Al-Jabbari

#### 7. Taking Action towards the Enhancement of Mining Heritage in Romania

Oana Cristina Tiganea

#### 8. The Abandoned Railway Heritage: from Problem to Opportunity for the Regeneration of Minor Historic Centres

Giulia Bevilacqua, Chiara Ravagnan, Chiara Amato

#### 9. The Antifragile Potential of Line Tourism: towards a Multimethodological Evaluation Model for Italian Inner Areas Cultural Heritage

Catherine Dezio, Marta Dall'Ovo, Alessandra Oppio

#### 10. The Project for the "Cultural Park of Sibaritide" between United Nation Sustainable Developments goals 2030 and Promotion of Regional Development

Domenico Passarelli, Giovanni Cafiero, Ferdinando Verardi, Maurizio Nicolai, Angela De Marco, Eugenio Siciliano

#### 11. Valuation Approaches to Assess the Cultural Heritage

Francesca Salvo, Marta Dell'Ovo, Daniela Tavano, Leopoldo Sdino

**Alessandra Oppio** - TS19 Chair  
Polytechnic of Milan

*PROFESSOR of Project Appraisal and Evaluation at Politecnico di Milano from 2018. PhD in "Planning, maintenance and development of building and urban systems". Author of numerous articles published in national and international journals on sustainability evaluation; economic evaluation of the environmental and cultural resources; complex decision-making processes and integrated assessments; urban transformation processes and real estate market.*

**Annunziata Maria Oteri** - TS19 Chair  
Polytechnic of Milan

*PROFESSOR in Architectural Restoration at the Polytechnic of Milan from 2018; member of the international PhD board in Preservation of Cultural Heritage, Polytechnic of Milan, she is author of many essays and books on theory and practice in Architectural Conservation. Her more recent studies have been addressed to the processes of depopulation in small towns and the strategies for conservation and enhancement of abandoned heritage.*

**Mariacristina Giamb Bruno** - TS19 Chair  
Polytechnic of Milan

*FULL PROFESSOR in Restoration at the Department of Architecture and Urban Studies at Politecnico di Milano and Head of Faculty board for PhD program Preservation of the Architectural Heritage. The teaching and research activity is oriented on history and theory of architectural heritage, conservation of historical heritage, historical centers conservation and management. Speaker at conferences and author of about 130 publications.*

**Francesca Torrieri** - TS19 Chair  
University of Naples „Federico II“

*PhD, Researcher in Appraisal and evaluation at the University of Naples Federico II since 2006. She is author and coauthor of published works on various topics, including real estate appraisal, investments on cultural and environmental assets, regeneration projects on degraded areas and the enhancement of disused buildings. From 2007 is ordinary member of the SIEV, Italian Society of Appraisal and Evaluation.*

# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

TS

TS20

### CULTURAL HERITAGE MANAGEMENT STRATEGIES AND MODELS FOR INNER AREAS

**Giuseppina Cassalia** - TS20 Chair  
Mediterranea University of Reggio Calabria -  
PAU Department

*PhD in Conservation of the Architectural and Environmental Heritage, with the focus on Project and Program Appraisal. Member of the LaborEst research lab, her research activities and international publications focus on cultural heritage management, community perception of landscape, its cultural value and identity, local development strategies for inner areas.*

**Lucrezia Lopez** - TS20 Chair  
University of Santiago de Compostela -  
Department of Geography

*LECTURER of Geography at the Department of Geography of the University of Santiago de Compostela. She holds a PhD in Geography from the same USC. Member of the research Group AN.TE. of the USC, her main research lines include human and cultural geography; tourism geography; heritage and heritage management; geography of pilgrimages and geography of sacred spaces and geo-humanities.*

Wednesday 27th May - Room 4  
11.30 am - 1.30 pm

#### 1. A Synthetic Indicator BES-SDGs to Describe Italian Well-being

*Domenico Tebala, Domenico Marino*

#### 2. Assessing the Effectiveness of Public Investments in Cultural Built Heritage: The Case of the Umbertine Forts System in Italy

*Giuseppina Cassalia, Veronica Calvieri, Immacolata Lorè, Francesco Calabrò*

#### 3. Building Common Identities to Promote Territorial Development in the North of Portugal

*Ines Gusman, Rubèn Camilo Lois-González*

#### 4. Cultural Tourism and Heritage Education in the Portuguese Way of St. James

*Lucrezia Lopez, Pérez Guilarte Yamilè*

#### 5. Enhancing Heritage and Traditional Architecture Conservation through Digital Technologies. Developing a Digital Conservation Handbook for Al Salt, Jordan

*Claudia Trillo, Rania Aburamadan, Chika Udeaja, Athena Moustaka, Gyau Baffour Kwasi, Busisiwe Chikomborero Ncube Makore*

#### 6. Inland Territorial and Tourism Resilience in a Polarized World

*Asuncion Blanco-Romero, Macià Blàzquez-Salom*

#### 7. The Participatory Planning for Preservation and Valorization of Environmental Heritage

*Luisa Sturiale, Alessandro Scuderi, Giuseppe Timpanaro, Gaetano Chinnici*

#### 8. The Role of DMS in Reshaping Reggio Calabria Tourism

*Angela Viglianisi, Alessandro Rugolo*

#### 9. VR as (In)Tangible Representation of Cultural Heritage. Scientific Visualization and Virtual Reality of the Doric Temple of Punta Stilo: Interference Ancient-Modern

*Paolo Fragomeni, Immacolata Lorè*

Wednesday 27th May - Room 4  
5.00 - 7.00 pm

**1. "Houses For One Euro" and the Territory. Some Estimation Issues for the "Geographic Debt" Reduction**

*Salvatore Giuffrida, Maria Rosa Trovato, Antonio Strigari, Grazia Napoli*

**2. A Multicriteria Decision Aid Process for Urban Regeneration Process of Abandoned Industrial Areas**

*Lucia Della Spina, Alessandro Rugolo*

**3. A Multidimensional Evaluation for Regenerative Strategies: Towards a Circular City-Port Model Implementation**

*Maria Cerreta, Eugenio Muccio, Giuliano Poli, Stefania Regalbuto, Francesca Romano*

**4. Evolution and Transformation of Real Estate Dynamics in the City of Milan**

*Liala Baiardi, Andrea Ciaramella*

**5. Facility Management Services in Smart Cities: Trends and Perspectives**

*Cinzia Talamo, Nazly Atta*

**6. Metropolitan Cities and Digital Agenda: Strategy and Monitoring Methodology**

*Demetrio Naccari Carlizzi, Agata Quattrone*

**7. Who Drives the Growth? Empirical Evidences from real-estate Market Values of 12 Italian Metropolitan Cities**

*Alessia Mangialardo, Ezio Micelli*

**Roberto Camagni** - TS21 Chair  
Polytechnic of Milan – Department of  
Architecture, Construction  
Engineering and Built Environment

*PROFESSOR EMERITUS of regional and urban economics at Polytechnic of Milan. His broad research activity focuses on regional and urban development and the dissemination of technologies and innovations with publications on the leading international scientific journals. He is the lead partner coordinator of the research project "Metropolitan cities: territorial economic strategies, financial constraints and circular regeneration" (PRIN 2015).*

**Ezio Micelli** - TS21 Chair  
IUAV University of Venice – Department of  
Architecture and Arts

*FULL PROFESSOR of real-estate valuation at the University IUAV of Venice. He is currently working on the effects on real-estate markets of the great economic change affecting Italian cities after the economic downturn occurred at the end of last decade. He is partner of the research project "Metropolitan cities: territorial economic strategies, financial constraints and circular regeneration" (PRIN 2015).*

# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

TS

TS22

### CULTURAL HERITAGE, CLIMATE CHANGE, INTERCULTURAL DIALOGUE AND STRATEGIES FOR INTEGRATED CONSERVATION

**Rosa Anna Genovese** - TS22 Chair  
University of Naples 'Federico II' –  
Department of Architecture (DiARC)

#### Academic Titles

- *Confirmed Associate Professor, qualified as Full Professor, of Restoration (ICAR 19) of the University of Naples 'Federico II', Department of Architecture – DiARC:*
- *Specialized Architect at Post-graduate School in Architectural and Landscape Heritage (formerly Monuments Restoration).*
- *She coordinated research, didactic and cultural activities of the School of Specialisation in Monument Restoration of Naples (1976/2005).*
- *She was the professor (1991/2004) of the degree course in Conservation of Cultural Heritage at the University of Naples 'Suor Orsola Benincasa'.*
- *Executive, Advisory Roles within ICOMOS and UNESCO, Memberships*
- *Member of ICOMOS Academy.*
- *Expert Member of the International Scientific Committees of ICOMOS Theory and Philosophy of Conservation and Restoration of Cultural Property (TheoPhilos) and Cultural Routes (CIIC) of which she was also General Secretary (1999/2005) and Assistant to the President (2005/2011).*
- *Member of the International Executive Committee of ICOMOS (1999/2005) and UNESCO Expert for the World Heritage List.*
- *Member of the Italian Board and Coordinator of the Scientific Committees of ICOMOS Italy (2010 – 2019).*

**Awards**

- *She received the National Prize "Capri- San Michele (Art Section)" for the volume Gaetano Genovese e il suo tempo.*

**Publications and roles as Editor**

- *Author of over one hundred and fifty publications on Conservation, Restoration, Protection, and Enhancement of Cultural Heritage.*
- *Chief Editor of magazines 'Restauro' (1979-2004) and Editor for Italy of the periodical 'ICOMOS Information' (1985-1990).*
- *Member of Research Groups, Director of Architectural Restoration*
- *Member of the Research Groups.*
- *She directed many yards of Architectural Restoration in Italy.*
- *Promoter, scientific coordinator and speaker of innumerable National and International Congresses and Symposia on Conservation, Restoration, Protection and Enhancement of Cultural Heritage.*

Wednesday 27th May - Room 5  
9.00 - 11.00 am / 11.30 am - 1.30 pm

#### 1. Cultural Heritage, Climate Change, Intercultural Dialogue and Strategies for Integrated Conservation

*Rosa Anna Genovese*

#### 2. Climate Change, Natural Disasters and their Effect on Historic Centers

*Stefano Gizzi*

#### 3. Environmental Crisis and Climate Adaptation of the Urban Voids of Naples Historic Centre UNESCO Site

*Mario Losasso*

#### 4. Innovative Processes for Climate Risk Reduction of the Built Heritage

*Valeria D'Ambrosio, Ferdinando Di Martino, Enza Tersigni*

#### 5. Climate changings: New paradigms of Contemporary Architecture

*Emma Buondonno*

#### 6. Integrated Multi-criteria Assessments in Support of the Verifying the Feasibility of Recovering Archaeological Sites: the Case of Portus-Ostia Antica

*Orazio Campo, Giovanna Acampa, Fabrizio Battisti*

#### 7. The Historical and Environmental Heritage for the Attractiveness of Cities. The Case of the Umbertine Forts of Pentimela in Reggio Calabria, Italy

*Roberta Pellicanò, Francesco Calabrò, Luca Iannone*

#### Speakers

**Maria Chiara Pozzana** - **Historic Gardens and Climate Change in Urban Areas**



# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

TS25  
RHEGION UNITED NATIONS 2020-2030

TS

Thursday 28th May - Room 5  
9.00 - 11.00 am / 11.30 am - 1.30 pm

### 1. Integrated, Adaptive and Smart Envelope for Near Zero Energy Buildings

Martino Milardi

### 2. The Routes of Pilgrimage as Territorial and Urban Regeneration Axes

Maria Fiorillo

### 3. Culture as a Key Driver for Transforming Urban Systems: Insights from Recent Literature and Urban Policy Agenda

Georgia Tseva

### 4. Embodying Periphery

Francesca Schepis

### 5. Geomatic Techniques: a Smart App for a Smart City

Vincenzo Barrile, Antonino Fotia, Ernesto Bernardo, Giuliana Bilotta

### 6. Holistic Approach to Urban Regeneration

Daniela Parisi

### 7. Maintenance as Crosswise Indicator of Sustainability in Management and Evaluation Instruments

Massimo Lauria, Maria Azzalin

### 8. Membrana Smart Device: Analytical Characteristics and Application

Domenico Passarelli, Vincenzo Alfonso Cosimo, Giuseppe Caridi

### 9. Re-orienting 'Ndrangheta Minors. The Educational Rehabilitation in Non-Places of Organized Crime

Rossella Marzullo

### 10. Retake Rancitelli

Piero Rovigatti

### 11. Smart city: the Citizen Protagonist

Francesco Alessandria

### 12. Social Innovation and Sustainable Project

Alberto De Capua

### 13. Territoriality and Renewable Resources. Sustainable Innovation Strategies for Circular Design

Francesca Giglio, Rosamaria Codispoti

### 14. The Scattered Park of Locride

Francesco Stilo

### 15. Transformation and Maintenance of the Existing as Ecological chance to Build Sustainable Scenarios

Stefano Aragona

**Stefano Aragona** - TS25 Chair  
Mediterranea University of Reggio Calabria  
Dept. of Heritage, Architecture, Urban  
Planning

*Bachelor in Civil Engineering, Researcher in Town Planning, Department of Heritage, Architecture, Urban Planning University Mediterranea of Reggio Calabria. He published in various locations mainly on the relationship between spatial transformations/ urban and technological innovation, and identity of places. Topics that he faces thanks to study grants by the Netherlands at the Delft University, Faculty of Architecture, and later on, in the same site where he enjoyed a grant by the Italian National Research Council (CNR); the same institution which gave him a grant at the Institute of Territory Planning and Management (IPIGeT, CNR), Naples. He took part in research regarding the environmental impact of new technologies at the Building Technique and Environmental Control Department, Faculty on Engineering, Rome "La Sapienza". He took the Master of Science in Economy Policy and Planning at the Department of Economics, Northeastern University, Boston. Later on he got the Ph.D. in Urban Planning, Reggio Calabria University. He is teaching in the Universities of Reggio Calabria and Rome.*

# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

TS

### TS28

## SPATIAL DATA INFRASTRUCTURES, URBAN MODELLING AND GEOSPATIAL ANALYSES IN ASSESSING URBAN AND RURAL LANDSCAPES: NEW PERSPECTIVES AND OPEN CHALLENGES

**Giuseppe Modica** - TS28 Chair  
Mediterranea University of  
Reggio Calabria - Agraria Dept.

*PhD in Environmental and Agri-forestry Engineering, assistant professor in Rural Buildings and Rural Landscape at the Department of Agraria of the Mediterranean University of Reggio Calabria. Member of AIIA (Italian Association of Agricultural Engineering), CIGR (Commission International du Génie Rural) and AgEng (International Association of Agricultural Engineers). His main research interests focusing on sustainable landscape planning, land use dynamics, landscape services, geospatial information in decision support systems, spatial multi-criteria evaluation, Remote sensing applications in Agro-Forestry, geographic object-based image analysis (GEOBIA). He authored of more than 70 publications in these research fields. Member of Programme Committee of the International Conference on Computational Science and Its Applications (ICCSA 2011-2020). Member of the editorial board of Remote Sensing (ISSN 2072-4292) and of the topic board of Land (ISSN 2073-445X). More information at <https://publons.com/researcher/1260580>.*

**Beniamino Murgante** - TS28 Chair  
University of Basilicata - School of Engineering

*PROFESSOR of spatial planning School of Engineering of the University of Basilicata. He took his PhD in "Sciences and methods for European cities and territory" at the Department of Civil engineer of the University of Pisa and he carried out other researches in Lyon at the Laboratory for Information System Engineering directed by Robert Laurini. He is the author of more than 100 international publications in the field of technology applied to the city and the territory. Member of the Editorial Board of several international journals, of scientific committees of many national and international conferences and of the scientific council of some national and international organizations. Co-General Chair of the International Conference on Computational Science and Its Applications (ICCSA). More information can be found on the personal web page: <http://oldwww.unibas.it/utenti/murgante/Benny.html>.*

**Maurizio Pollino** - TS28 Chair  
ENEA – Italian National Agency for New Technologies, Energy and Sustainable Economic Development

*PhD in Agroforestry and Environmental Engineering. From 2000 Researcher at ENEA, involved in R&D activities in the field of Geomatics (Remote Sensing and GIS). From 2003 to 2008, Adjunct Professor of "Geographical Information Systems" (University of Rome "Sapienza"). Main interests in Geomatics applications to environmental studies (land planning, spatial analysis) and risk analysis (multi-risk assessment, GIS-based Decision Support Systems). Author and co-author of several scientific publications and contribution to Conferences. ECDL GIS Certified Examiner. Member of Programme Committee of the International Conference on Computational Science and Its Applications (ICCSA 2011-2020). Organiser and Co-Chair of ASTER and GeoForAgr International Workshops. More information can be found on the personal web page: <http://apic.casaccia.enea.it/pollino/>*

Wednesday 27th May - Room 6  
2.30 - 4.30 pm / 5.00 - 7.00 pm

### 1. Best Practices of Agro-food Sector in Basilicata Region (Italy): Evidences from INNOVAGRO Project

*Francesco Scorza, Angela Pilogallo, Lucia Saganeiti, Alessandro Bonifazi, Valentina Santarsiero, Rosanna Piro, Carmen Izzo, Beniamino Murgante, Giuseppe Faruolo, Giovanni Fortunato*

### 2. Cycling Infrastructures and Community Based Management Model for the Lagonegro-Rotonda Cycling Route: ECO-CICLE Perspectives

*Giovanni Fortunato, Alessandro Bonifazi, Francesco Scorza, Beniamino Murgante*

### 3. Detection and Sharing of Anomalies in the Vegetative Vigor of Durum Wheat in Italy

*Simone Lanucara, Giuseppe Modica*

### 4. Geomatics to Analyse Land Transformation in Mozambique – the Nacala Corridor Case Study

*Maurizio Pollino, Annalisa Cavallini, Emanuela Caiaffa, Flavio Borfecchia, Luigi De Cecco*

### 5. Land Use Change and Habitat Degradation: a Case Study from Tomar (Portugal)

*Luciana Nolè, Angela Pilogallo, Lucia Saganeiti, Alessandro Bonifazi, Valentina Santarsiero, Luis Santos, Beniamino Murgante*

### 6. Land Use, Phosphorus Pollution and Risk Assessment for the Bolsena Lake (Italy). An Estimation Using Remote Sensing and Multi Criteria Analysis

*Matteo Piccinno, Adrienn Caronte-Veisz, Fabio Recanatesi*

### 7. Mapping Monthly Precipitation in New Zealand by Using Different Interpolation Methods

*Ilaria Guagliardi, Gaetano Pellicone, Tommaso Caloiero*

### 8. Monitoring Onion Crops Using Multispectral Imagery from Unmanned Aerial Vehicle (UAV)

*Maurizio Gaetano Messina, Vincenzo Fiozzo, Salvatore Praticò, Biagio Siciliani, Antonio Curcio, Salvatore Di Fazio, Giuseppe Modica*

### 9. Monitoring Urban Growth Evolution by Multi-temporal Dynamics Analysis in a Southern Italy Area

*Ilaria Guagliardi, Nicola Ricca*

### 10. Multi Temporal Analysis of Sentinel-2 Imagery for Mapping Forestry Vegetation Types: a Google Earth Engine Approach

*Salvatore Praticò, Salvatore Di Fazio, Giuseppe Modica*

### 11. Polycentrism and Effective Territorial Structures: the Basilicata Region Case Study

*Laura Curatella, Angela Pilogallo, Giovanni Fortunato, Lucia Saganeiti, Valentina Santarsiero, Alessandro Bonifazi, Francesco Scorza*

### 12. RES and Habitat Quality: Ecosystem Services Evidence Based Analysis in Basilicata Area

*Valeria Muzzillo, Angela Pilogallo, Lucia Saganeiti, Valentina Santarsiero, Beniamino Murgante, Alessandro Bonifazi*

Wednesday 27th May - Room 5  
2.30 - 4.30 pm / 5.00 - 7.00 pm

#### **1. Analysis of the Effects of Climate Change on the Energy and Environmental Performance of a Building with and without Onsite Generation from Renewable Energy**

*Giovanni Tumminia, Francesco Guarino, Sonia Longo, Davide Aloisio, Salvatore Cellura, Francesco Sergi, Giovanni Brunaccini, Vincenzo Antonucci, Marco Ferraro*

#### **2. Circular Processes and Life Cycle Design for Sustainable Buildings**

*Monica Lavagna, Anna Dalla Valle, Serena Giorgi, Tecla Caroli, Andrea Campioli*

#### **3. Eco-innovative Scenarios for Smart Materials. The PVCupcycling Project – Circular Economy and Zero Waste**

*Consuelo Nava, Domenico Lucanto*

#### **4. Economical Comparison among Technical Solutions for Thermal Energy Production in Buildings Based on both Conventional and Solar RES Systems**

*Matilde Pietrafesa, Concettina Marino, Antonino Nucara, Maria Francesca Panzera, Antonio Piccolo*

#### **5. Energy and Environmental Assessment of Heritage Building Retrofit**

*Marina Mistretta, Francesco Guarino, Maurizio Cellura*

#### **6. Green Building Market Premium: Detection through Spatial Analysis of Real Estate Values. A Case Study**

*Pierfrancesco De Paola, Vincenzo Del Giudice, Domenico Enrico Massimo, Francesco Paolo Del Giudice, Mariangela Musolino, Alessandro Malerba*

#### **7. Recent Trends in Sustainability Assessment of “Green Concrete”**

*Angela Malara, Patrizia Frontera, Marina Mistretta*

#### **8. Sustainable and Green Building Design: Shipping Container as Passivhaus**

*Francesco Nocera, Elisa Bongiorno, Concetta Borgia, Maurizio Detommaso*

**Maurizio Cellura** - TS30 Chair  
University of Palermo – Engineering Dept.

*PhD, Full professor of Building Physics and Energy Systems since 2011 at the University of Palermo, his scientific activity is focused on building energy efficiency, renewable energy technologies and decarbonization strategies of systems and processes. His experience on international level on building science and Life Cycle Assessment is clarified by the coordination of several national and International research projects on energy-environmental topics, his teaching experiences in international courses and seminars and by the participation to many International Energy Agency work groups. Involved in the field of LCA applied to buildings in the last three decades, he was President of the Italian Life Cycle Assessment network from 2015 to 2019.*

**Marina Mistretta** - TS30 Chair  
Mediterranea University of Reggio Calabria - PAU Dept.

*PhD, Associate Professor of Building Physics and Energy Systems since 2016 at the University of Reggio Calabria, her scientific activity is mainly oriented towards energy and environmental topics, with focus on Life Cycle Assessment, energy efficiency in buildings, technologies powered by renewable energy technologies, systems for energy generation and storage, and decarbonization strategies of systems and processes. She is member of the Steering Committee of the Italian Life Cycle Assessment Network since 2015 and of several, and she is involved in many scientific research networks about energy, sustainability.*

# NEW METROPOLITAN PERSPECTIVES 2020

## EXTRA SESSIONS - ES

„Special parallel events complement the formal scientific program, providing an opportunity for presentations or extended dialogue and exchanges beyond what is already proposed in the regular scientific sessions“

ES01

### AWARDS

Tuesday 26th May - 2.30 - 4.30 pm - Room 5

ES02

### IL VIAGGIO DI ULISSE COME ITINERARIO CULTURALE EUROMEDITERRANEO (ITA)

Thursday 28th May - 9.00 - 11.00 am - Room 6

ES03

### TAVOLA ROTONDA - LE CITTA' AL TEMPO DEL 5G (ITA)

Thursday 28th May - 2.30 - 7.00 pm - Room 6

ES04

### L'UOMO E' MISURA DI TUTTE LE COSE (ITA)

Thursday 28th May - 11.30 am - 1.30 pm - Room 6

ES

ES01

### AWARDS

Tuesday 26th May - 2.30 - 4.30 pm - Room 5

#### AWARDS

##### - Edoardo Mollica Award

*Participation of young researchers in the scientific debate - Successful early career researchers' papers*

Chaired by: *Giuseppina Cassalia*, member of ASTRI

##### - Valeria Morabito Award

*"IMAGES from the FUTURE" - Audio Video Contest*

Chaired by: *Immacolata Lorè*, member of ASTRI

ES

ES02

### IL VIAGGIO DI ULISSE COME ITINERARIO CULTURALE EUROMEDITERRANEO (ITA)

Thursday 28th May - 9.00 - 11.00 am - Room 6

#### IL VIAGGIO DI ULISSE COME ITINERARIO CULTURALE EUROMEDITERRANEO (ITA)

**Chaired by:** *Francesco Calabrò*, Scientific Head of LaborEst

##### Speakers:

*Maurizio Di Stefano*, ICOMOS Italia

*Teresa Gualtieri*, FICLU

*Rosa Anna Genovese*, ICOMOS Italia

*Roberta Alberotanza*, Centro Camuno di Studi Preistorici

*Mariangela Monaca*, University of Messina

*Franco Porcaro*, Club UNESCO - Scilla

*Salvatore Patamia*, Regional Secretariat - MIBACT - Calabria

*Fabrizio Sudano*, Soprintendenza Archeologica, Belle Arti e Paesaggio, Reggio Calabria-Vibo Valentia

### ES03 TAVOLA ROTONDA - LE CITTÀ AL TEMPO DEL 5G (ITA)

ES

Thursday 28th May - 2.30 - 7.00 pm - Room 6

#### LE CITTÀ AL TEMPO DEL 5G (ITA)

##### Chaired by:

*Francesco Calabrò*, Mediterranean University of Reggio Calabria  
*Gabriella Esposito De Vita*, CNR-IRISS - Napoli

##### Speakers:

##### Città: Individui, relazioni, spazi collettivi

*Laura Campanello*, philosopher and psychoanalyst, Philo - School of Philosophical Practices  
*Camilla Perrone*, urbanologist, University of Florence  
*Fortuna Crocentese*, psychologist, University of Naples Federico II  
*Alessandro Simonicca*, anthropologist, Sapienza University of Rome

##### Territori: sistemi produttivi e scelte localizzative

*Roberto Camagni*, economist, Polytechnic of Milan  
*Fabio Pollice*, geographer, University of Salento  
*Francesca Moraci*, urbanologist, Cda - Gruppo Ferrovie dello Stato Italiane  
*Massimo Clemente*, urbanologist, Central Tyrrhenian Sea - Port System Authority

##### Diritti, democrazia, libertà individuali

*Stefano Moroni*, urbanologist, Polytechnic of Milan  
*Giovanni Carlo Bruno*, jurist, CNR-IRISS Napoli  
*Carlo Morabito*, electronic engineer, Mediterranean University of Reggio Calabria  
*Elena Battaglini*, sociologist, Giuseppe di Vittorio Foundation

##### Discussant:

*Andrea Agostinelli*, Port Authority - Gioia Tauro  
*Sergio Vasarri*, expert - Presidency of the Council of Ministers

### ES04 L'UOMO E' MISURA DI TUTTE LE COSE (ITA)

ES

Thursday 28th May - 11.30 am - 1.30 pm - Room 6

#### "L'UOMO E' MISURA DI TUTTE LE COSE". Riflessioni sul valore e sulla prospettiva del patrimonio culturale immateriale UNESCO. Un'idea di network" (ITA)

##### Chaired by:

*Patrizia Nardi*, Scientific Committee of the Intangible Cultural Heritage of Icomos Italia  
*Francesco Calabrò*, Mediterranean University of Reggio Calabria

##### Speakers:

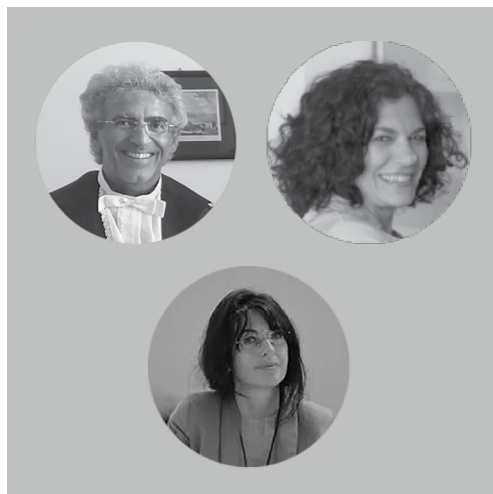
*Emanuela Rossini*, Promotrice Intergruppo Parlamentare Siti Unesco, pending confirmation  
*Paolo Russo*, Commissione Bilancio, Tesoro e Programmazione  
*Salvatore Patamia*, Regional Secretariat - MIBACT - Calabria  
*Maurizio Di Stefano*, President - ICOMOS Italia  
*Leandro Ventura*, Director - Istituto Centrale per il Patrimonio Culturale Immateriale  
*Teresa Gualtieri*, President - FICLU  
*Gianni Bonazzi*, President - Fondazione Parco Archeologico naturalistico Vulci, already Director MIBACT  
*Claudio Bocci*, Delegate Advisor - Ravello Lab  
*Maria Grazia Bellisario*, Architect, "Economia della Cultura" Editor, already Director MIBACT



# NEW METROPOLITAN PERSPECTIVES 2020

## COMMITTEES

### SCIENTIFIC ORGANIZER



**Francesco Calabrò - Lucia Della Spina**

*LaborEst - Scientific Head*

**LaborEst - Economic Evaluations and Real Estate Appraisals Lab**

*LaborEst is a research laboratory that operates within the PAU Department, and it is characterized by an integrated approach to the protection, conservation and enhancement of architectural heritage an environment.*

**Carmelina Bevilacqua**

*CLUDsLab Director - TREnD Project Coordinator*

**CLUDs Laboratory - Community Local Urban Development**

*CLUDsLab is a research laboratory of the PAU Department that operates in the field of urban regeneration and local sustainable development with the aim to explore the complexity of local dynamics by combining research and higher education activities.*

### SCIENTIFIC SECRETARIAT



**Giuseppina Cassalia - Angela Viglianisi**

**Tiziana Meduri - Immacolata Lorè**

*Members of ASTRI*

**ASTRI - Scientific Association on Interdisciplinary Research and Regional Studies**

*ASTRI is an Italian not-for-profit organization aiming at promoting dialogue and networking among researchers practitioners and activists from different fields and disciplinary backgrounds.*

### ORGANIZING COMMITTEES



This Symposium is part of a project that has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement 101019352



### CONTACTS

**OFFICIAL WEBSITE:** [WWW.NMP.UNIRC.IT](http://WWW.NMP.UNIRC.IT)

**E-MAIL:** [NMP@UNIRC.IT](mailto:NMP@UNIRC.IT)





This Symposium is part of a project that has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N°823952



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**eurac**  
**research**



**INU**  
Istituto Nazionale  
di Urbanistica

**RSA** Regional Studies  
Association  
A leading & impactful community

Società  
italiana  
degli urbanisti



**[siev]**  
Società Italiana di Estimo e Valutazione