

### Title of the symposium:

Metropolitan Landscapes. Resilient articulation of the interface between city, agriculture and nature promoting the quality of dwelling and ensure the human well-being within the metropolis

### Detail of organizer(s):

#### Responsible

Name:	Antonella
Surname:	Contin
Email	antonella.contin@polimi.it
Organisation/Affiliation:	Politecnico di Milano
Telephone:	02 3487844260
Country:	Italy
Address:	Via Bonardi, 3 20133 Milano

### Co-organizer(s)

#### Co-organizer

Name:	Domingo
Surname:	Sanchez Fuentes
Email:	dsanchez@us.es
Organisation/Affiliation:	Escuela Tecnica Superior de Arquitectura de Sevilla
Address:	Calle Reyna Mercedes 2 , Sevilla
Country:	Espana

#### Co-organizer

Name:	Ramon
Surname:	Reyes
Email:	ramon.reyes@cuaad.udg.mx
Organisation/Affiliation:	Universidad de Guadalajara, Centro universitario de arte, arquitectura y diseño, "udeg"
Address:	Av. Juarez 975, Guadalajara Jalisco
Country:	Mexico

#### Symposium abstract

The necessity of a comprehensive and multidisciplinary approach to the study and the practice of metropolis became a common ground for our academic exchange in the past years. The Metropolitan Discipline supports the construction of the metropolitan spatial structure with an organizational, technical expertise, proposing the big project of urbanity based on the physical and virtual network between the new city shape, the interfaces among built capital and natural capital, and the new forms of conviviality.

The rapid urbanisation in the past few decades changed the scene of urban life on a global scale radically. Many critical issues have risen within the physical and spatial transformations of the metropolitan regions. Social and economic inequality, the fragility of environmental systems caused by the global climate change, the emergence of the political idea of the metropolitan dwellers as global citizens, preservation of cultural heritage, and the governance and policy issues are only a few of the issues that frame what we call 'the Metropolitan Complexity'. These issues cannot be addressed with a single, static, and traditional disciplinary approach, but rather require a comprehensive and multidisciplinary vision to understand them.

According to some scholars (e.g. Monte-Mor Roberto Luis, 2014) we need to develop a different way of conceptualizing the new territorialities that are shaping the continent starting from an environmental perspective (the environmental question in its urban and metropolitan dimensions), to evaluate the relationship between city and countryside, the links between the metropolis and the region, as well as the settlement patterns in contemporary metropolises. One of the main objectives of the symposium is to open a

dialogue amongst the participants to discuss approaches, tools, and case studies focused on the coexistence of urbanity and ecology.

The concept of Practice of Metropolitan Discipline is absolutely new. The specificity of the new discipline is in its field of action, where the starting point is higher than the local case. The idea is to bring the local case to an absolute generalization because the level of awareness of the local policy makers and civil servants has to be raised to the complexity of the metropolitan phenomenon.

### **How your symposia will improve landscape ecology science?**

The rapid growth of cities is challenging citizens and governments to ensure the sustainable and equitable development of its metropolis regarding urbanisation conditions, demographic transformation, climate, environment changes and social cohesion. The destruction of forests, pastures and wetlands related to changes or mismanagement of land use and the occupation of the urban area are diminishing the capacity of ecosystems to maintain carbon, water and biodiversity balances. The loss of nature combined with the low quality of urbanisation and the effects of climate change will have an increasingly negative impact on the viability of cities and its resilience.

The approach of urban metabolism considers the harmonious arrangement of landscapes in a single ecosystem, in the décalage from the rural to the urban context, in which to propose new design strategies for transformation, replacement or maintenance. The look at the territory is nourished by an ecological interest in environmental sustainability, compatibility and resilience not tied exclusively to the balance between energy produced and expenditure, but to the integration over time and to the different scales of the rural and urban landscape.

Applying science-based approaches to assess the compliance of the municipal land use plan with the ecosystem conservation and restoration model through new-built-form-types is the multidisciplinary endeavor that the Metropolitan Discipline is aiming at.

The symposium will focus on case studies at the metropolitan scale and will discuss about toolkits, based on the reading of the territory with the geographical, urban, architectural, economic, environmental, and public policy perspectives. It will also share analysis, interpretation and projects tools for the municipal decision-makers that are co-dependents in the metropolitan system.

### **Broad thematic areas**

Broad thematic areas 1st choice: Urban regions (urban landscapes, urbanization processes, urban metabolism, rural urban systems)

Broad thematic areas 2st choice: Green and blue infrastructures

### **Free Keywords**

metropolitan discipline, urban metabolism, green and grey infrastructure

### **Outcomes of symposium**

Special issue in a scientific journal (to be negotiated)