



Alicante, Spain & Virtual event

## Urban Challenges and Sustainable Technological Revolution



### Special Session Proposal

#### **Sustainable technology for balancing peri-urban ecosystem services**

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#### **Abstract**

Emerging metropolitan areas and/or regions constitute an important space for studying new forms of urbanisation, as these processes are currently faster and have multiple impacts, in addition, they respond to particular geographical situations of the territory that hosts them. From this perspective, the study of urban expansion areas in recent years has focused on morphological and socio-territorial analyses. However, given the importance of the objectives of sustainable development and the environmental vector of the last decade, these spaces have gained importance as receptacles of natural and environmental values which are highly sensitive to the processes of urban expansion. Therefore, achieving a balance between man and the environment depends on the degree of dependence on environmental services, which is very difficult to achieve in highly urbanised areas. Thus, being able to maintain these services while providing quality of life for the inhabitants depends on the degree of connection of the different urban interventions. Therefore, balancing social, environmental, economic and institutional dynamics requires highly structured planning processes, which can only be achieved by articulating technological processes that include the different actors in the decision-making processes and streamline these processes so that local authorities can respond in a timely manner and optimise the region's available resources. In particular, the countries of the global south and developing countries are important laboratories for the analysis of the relationship between sustainable technology and peri-urban ecosystem services, given the extensive growth of their peri-urban areas and the need to configure metropolitan regions to adequately respond to these urban challenges. Based on the above, we believe that the session proposal is within the theme of the congress and contributes to the development of new knowledge.

Associated CYTED Network: GUIDELINES, PLANS, ACTIONS IN PERIURBAN AREAS: EQUITABLE DEVELOPING ECOSYSTEMS

