

Urban Challenges
and Sustainable Technological Revolution



Special Session Proposal

Special Session Title

The new economic model: urban and regional circularity and sustainability

Evidences from the 'Catedra de Transformación del Modelo Económico' of the GV

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Abstract

Infrastructures, connectivity, urban and territorial development, population mobility and energy sustainability, are fundamental elements that play a relevant role in the present and future economic growth of the urban areas. The concept of 'new economic model' is defined as different activities becomes more circular, and the 'circularity' concept is expected to redirect most of the industrial, manufactures and services activities, in order to make them more integrated due to the circular requirements themselves. Such a process will strength links across the urban areas which will define a new way to do businesses and develop activities.

All these changes will stress wealth redistribution effects among urban areas as well as changes in the mobility patterns in regions, adding new components to the definition of the 'new economic model'.

This session will present the research of academics working on different aspects of this change. Goods and population mobility around urban areas depending on their features, key infrastructures (as ports or industrial parks), urban demand, housing stock size, among other variables, are analysed from the perspective of circularity in the current research which identify main aspects of the new economy structure raising in most of the regional areas.

Some examples of circular use of energy or housing will be presented as key research in the Cátedras de Transformación del Modelo Económico in the Valencian Community, a project supported by the Valencian Region Authorities across the Valencian Universities.