

The many faces of the city:

spatiotemporal dynamics and the urban limits

The aim of this study is to identify the different components of the city and how they interrelate, with a focus on the analysis of the impact of social behavior and human activities in the urban fabric. Contrarily to the amount of research on the capacity of urban morphology to condition social activities, the influence of social activities on the perception of urban space is still lacking a comprehensive research. Three goals are envisaged for this PhD project: i) Revise and synthesize network and cognitive science methodologies applied to the planning and management of urban space and to the identification of the impact of human activities on public space, focusing on ephemeral events; ii) Identify and systematize the impact of ephemeral sociocultural events on the use and perception of public space; iii) Develop an urban simulation model that, by integrating the different dimensions of these impacts, allows an integrated and informed planning and management of the social and cultural activities in the city.

This research will contribute with methodology that enables a more effective and integrated urban and cultural planning, management and policies, giving stakeholders, namely City Councils and Cultural Institutions, information about the physical impacts of immaterial outputs of society.

