Planning and designing green infrastructures

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In the latest years, new paradigms, such as urban sprawl, ecosystem services, biodiversity, urban resilience, climate change, energy depletion, social justice and health, etc. have become a new focus for rethinking cities and territories through both short-term and long-term planning and design processes and strategies.
In particular, in worldwide planning practices, the strategy based on green infrastructures has acquired an increasing and consolidated importance as it represents one of the main planning and design tools which enables the rise of ecological, economic and social processes.
The recognition of their multifunctionality has contributed to interpret green infrastructures as a strategically planned network of green corridors connecting natural and semi-natural paths. Such a network supplies a vast array of ecosystem services and helps triggering the concept of urban resilience and the quality of landscape and health in planning debates.
Their increasing relevance is also highlighted by the fact that many cities (such as Paris, London, New York City, Detroit, etc.) have started implementing green infrastructures in their planning policies and design projects, both at local and large scale.
This special session aims at framing the topic of green infrastructures in order to define ecological and landscape scenarios for health quality in cities assigning great relevance to implementation in planning and design tools in favor of reducing adverse environmental impacts of cities.
We expect contributions on specific case studies of planning and design, both at local and large scale, such as nature-based solutions contributing to the development of local green infrastructures, evaluation models, urban regeneration and climate-proof projects with a particular concern on ecological and environmental requirements.