



Urban Green and Blue Infrastructure in the View of Global Warming

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Message from the Guest Editors

Global warming and urban heat islands are key challenges today. In recent decades, a number of research studies have guided the way to bring evaporative urban surfaces back into cities. Solutions can be found in “blue–green infrastructure”, which refers to infrastructure that incorporates vegetation on the surfaces of buildings and within the surrounding cityscape.

Evapotranspiration has massive cooling capacity without producing waste heat. This ecological benefit can also be an economic success in cities by reducing the need for investment in typical centralized grey infrastructure. In addition, blue–green infrastructure can transform the cityscape to create green and livable cities with higher biodiversity.

This cross-disciplinary initiative requires the cooperation of urban planners in combination with civil engineers, plant science specialists, and others. From research to action, to achieve cooler and more sustainable cities. You are invited to contribute to this thematic publication to present current knowledge from your research. Evaluations of city case studies or administrative programs are also welcome.





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