



Remote Sensing to Detect Urban Ecology, to Reveal Provisions of Urban Ecosystem Services and as Basis to Develop Nature-Based Solutions at High Spatial Resolution

Guest Editor:

Message from the Guest Editor

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Dear Colleagues,

The ecology of urban areas is increasingly being investigated in the context of the benefits that ecological features deliver to society conceptualized as urban ecosystem services. The basis for the spatial analysis of the ecological potential of existing urban green spaces and of those to be developed is often remotely sensed data. Because of the complex and usually detailed land cover structures in urban areas, a high spatial resolution of information is needed. For this Special Issue, we call for studies that present advances in remotely sensed detection of urban ecological features, innovative methodologies to reveal provisions of urban ecosystem services, as well as approaches to develop and assess nature-based solutions on the basis of remote sensing data at high spatial resolution. Not limited to, but of special interest are urban river corridors and densely urbanized areas with limited ecological functions where retrofitted and multi-functional nature-based solutions are developed and assessed.

Prof. Dr. Jochen Hack

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