

Special Issue

Nature-Based Solutions for Climate and Environmental Change

Message from the Guest Editors

The climate crisis and human pressures have triggered significant environmental changes, causing considerable risks to the health of ecosystems and people. Population growth and related effects, such as land consumption and alteration of ecological processes, demand reconsidering the planning and management of natural capital. Nature-based solutions (NbS) such as green (e.g., green walls and roofs, urban trees and parks) and natural infrastructures (e.g., forests, floodplains, wetlands) can increase resilience to climate impacts (i.e., heat waves, stormwater management), improve environmental quality (i.e., biodiversity, air pollution removal, soil remediation), and provide multiple other ecosystem services for society (e.g., physical and mental health). This Special Issue aims to provide an overview of nature-based solution applications to address climate and environmental change mitigation and adaptation. The purpose is to supply selected contributions on the management of natural capital and the evaluation of multifunctional ecosystem services, also considering possible trade-offs in the light of global changes.

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