



Comprehensive Observation and Simulation of Natural Resources in Changing Environment

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Message from the Guest Editors

Natural resources are the important material basis for human production and development. Tracking research on the exploitation and utilization of natural resources and the impacts on the environment has long been of great interest. Nevertheless, studying the evolution of natural resources and their interactions with ecosystems and environments from a systems perspective has not been highlighted in recent research. Many scientific issues require in-depth research, such as the impact of rapidly changing natural and social environments on the evolution of natural resource systems and the pattern of supply and demand, key technologies for the comprehensive observation and prediction of natural resources, and the mechanism of resources–ecology–environment coupling. Therefore, studying the Earth as a complex system with the interaction of various circles or subsystems is a necessary approach to solve global resource, ecological and environmental problems as a whole.

For this Special Issue, we mainly focus on theoretical methods, key technologies and practical application research on the comprehensive observation and simulation of natural resources in changing environments.





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