



Remote Sensing and GIS Technologies for Sustainable Ecosystem Management

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Message from the Guest Editors

Ecosystem management is defined as “management driven by explicit goals, executed by policies, protocols, and practices, and made adaptable by monitoring and research based on our best understanding of the ecological interactions and processes necessary to sustain ecosystem composition, structure, and function”. Operational steps towards sustainable ecosystem management include:

- delineate the ecosystem to be managed;
- define strategic management goals;
- develop a comprehensive understanding of the ecosystem;
- obtain socioeconomic data;
- link the socioeconomic and ecological data in an appropriate model;
- implement experimental management actions;
- monitor management results for regularly reviewing and adjusting the management strategy.

Remote sensing and GIS technologies, due to their superior capability of collecting, managing, and analyzing socioeconomic and ecological data and modeling geographic/ecological processes, can provide support to implement these steps. The Special Issue welcomes manuscripts related to the use of remote sensing and GIS to support any theoretical and/or practical aspects of sustainable management of all types of ecosystems.





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Message from the Editor-in-Chief

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