

Special Issue

Spatiotemporal Data Analytics and Modeling of Land Systems: Shaping Sustainable Landscape

Message from the Guest Editors

The goal of this Special Issue is to collect papers to give insights into spatiotemporal analysis and modeling in face of a number of challenges when applied to the study of land systems, including, but not limited by, handling large datasets, problems with data quality, spatiotemporal scale and complexity, and the necessity for specific computing methods represented by cyberinfrastructure and artificial intelligence technologies. Geography, urban studies, landscape ecology, environmental science, sustainability science, archaeology and anthropology, and earth science are just a few examples of the research fields that spatial-temporal data analytics and modeling are applied. This Special Issue welcomes manuscripts that link the following themes:

- Land change dynamics;
- Spatio-temporal analysis of landscape pattern;
- Spatial simulation, spatial optimization, and spatial statistics;
- Shaping sustainable landscapes;
- Land development;
- Land resources management;
- Geocomputing and cyberinfrastructure technologies;
- Modern artificial intelligence applications in the study of land systems;

We look forward to receiving your original research articles and reviews.

Guest Editors

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Deadline for manuscript submissions

closed (28 October 2024)



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About the Journal

Message from the Editor-in-Chief

Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant Impact Factor, and has a goal to become the best journal in land in the coming years.

Editor-in-Chief

Prof. Dr. Christine Fürst
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