

Special Issue

Land Cover/Use Dynamics and Its Implications for Regional Sustainable Development

Message from the Guest Editors

Land cover and land use are crucial for the interaction between people and the environment. How we allocate, manage, and transform land directly affects biodiversity, climate, food security, water availability, and human wellbeing. As global pressures from urbanization, agricultural intensification, and environmental change intensify, land use transitions have become increasingly complex and significant. Understanding these land use transitions and changes—whether abrupt or gradual and permanent or seasonal—is essential for assessing their implications on sustainable development. Therefore, the effective and efficient monitoring of land cover and land use change is critical for guiding effective policies and sustainable land management strategies. Recent advancements in Earth observation, spatial modeling, and geospatial big data analysis facilitate the high-resolution tracking of land use patterns across both time and space. These tools offer significant insights into land use efficiency, resilience, degradation, and recovery—factors central to the achievement of SDGs.

Guest Editors

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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. I strongly recommend *Land* for your best research publications for a fast dissemination of your research.

Editor-in-Chief

Prof. Dr. Christine Fürst

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