



Spatial Optimization and Sustainable Development of Land Use

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Message from the Guest Editors

As a spatial carrier for all human activities, land use provides the fundamental basis that any production activity must rely on. The “sustainability” in land use is hence an important guarantee for economic prosperity, ecological civilization, as well as sustainable development in resources and the environment. Nevertheless, the “sustainability” in land use cannot be achieved without spatial optimizations of it, which critically determines whether the allocation of land resources is efficient or not.

We here call for a renaissance in the research on the spatial optimization of land use, including new models, new expressions, and new computations. Relevant topics include, but are not limited to, the following areas:

- Decisions models of land informatization;
- Sustainable land use goals for SDGs;
- Big data analytics in land use;
- Optimal land use allocation towards a low-carbon future;
- Simulation of land use dynamics;
- Artificial intelligence in land use optimization;
- The theory or method of using urban big data to monitor land development;
- Low-carbon oriented land use structure optimization.



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Message from the Editor-in-Chief

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