Special Issue

Big Data and GeoAI for Sustainable Urban Development

Message from the Guest Editors

The rapid global urbanization process has brought about a series of urban diseases, such as traffic congestion, human-land conflict, resource consumption, etc. Quantitative research on the relationship between urban land use and human activities in cities is of great significance for achieving sustainable development and smart cities. In recent years, with the development of information network technology, massive amounts of big data such as POIs, mobile signaling, taxis, and street view datasets have emerged. GeoAI technologies such as machine learning and microgeographic simulation methods (GeoSOS, FLUS) have provided important tools for mining human activity patterns and explaining the micro mechanism of the relationship between urban spatial structure and human activities.

For this special issue, we would like to invite you to submit original research articles to give insights about big data and GeoAI technology for sustainable land resources management and urban development.

Guest Editors

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Deadline for manuscript submissions

closed (20 February 2024)

MDPI

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

Editor-in-Chief

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