

Special Issue

Urbanization and Landscape Change: Tools for Analyzing Socioeconomic and Environmental Issues

Message from the Guest Editors

Earth observation (EO) provides timely, accurate, and frequent data, along with the tools to capture urbanization and landscape changes at different levels, from coarse to fine resolutions, in a consistent way, which is of prevailing relevance to monitor landscapes. In this context, monitoring, quantifying, and characterizing the progress of urban areas enriches our understanding of past and present trends, provides evidence-based information, supports decision-making processes, and allows unsustainable patterns and their potential consequences to be anticipated. This Special Issue will focus on the complex process of urbanization and landscape change caused by the interaction of several factors that can be simultaneously analyzed due to the ever-growing availability of tools. Topics of interest include, but are not limited to, the development of advanced quantitative and qualitative tools for analyzing socioeconomic and environmental issues based on EO and geographic information system (GIS) techniques, the spatio-temporal consequences of urban growth and landscape structure dynamics, as well as the urbanization patterns extracted from indicators and models.

Guest Editors

Dr. Pere Serra

Department of Geography, Universitat Autònoma de Barcelona, 08193 Cerdanyola del Vallès, Spain

Dr. Marta Sapena

1. German Remote Sensing Data Center (DFD), German Aerospace Center (DLR), Kalkhorstweg 53, D-17235 Neustrelitz, Germany
2. Geo-Environmental Cartography and Remote Sensing Group, Universitat Politècnica de València, 46022 València, Spain

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
land@mdpi.com

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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
Department Sustainable Landscape Development, Institute for
Geosciences and Geography, University of Halle, Halle, Germany

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