

Special Issue

Geographic Data Science and Sustainable Urban Developments

Message from the Guest Editors

Cities are complex environments composed of housing markets, transportation systems, population dynamics, etc., challenging sustainable urban developments. While geographic information system-based urban analyses have reached certain levels of maturity to study cities, the capabilities and limitations of data-driven, geographic data science approaches to support urban theories, as well as policy- and decision-making, have not yet been adequately addressed. Recent technological progress led to increasing amounts of multi-dimensional data, inherently characterized by spatial and temporal dimensions. In this context, it is expected that cutting-edge data science methods linked to novel data sources promote deeper insights into urban processes in order to support urban environments for a more sustainable future. To cope with these and related challenges, the objective of this Special Issue is to publish original research and review papers in order to synthesize the discussion on the application of the latest advances in geographic data science to understand urban developments, their dynamics, and sustainability, and the underlying key mechanisms.

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Editor-in-Chief

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