

Special Issue

Digital Twins in Regional Spatial Planning and Sustainable Urban Development

Message from the Guest Editors

The rapid advancement of digital technologies has transformed the way cities and regions are planned, managed, and developed. Digital Twins is now playing an increasingly important role in regional spatial planning and sustainable urban development.

Spatial planning is a process that involves the management of land, infrastructure, and resources within a specific area to promote sustainable and balanced development. Digital Twins provide a modern alternative by creating interactive, real-time digital models that reflect the complexities of urban environments. In spatial planning, Digital Twins serve several important functions, such as real-time data integration, scenario modeling and simulation, improved collaboration and decision-making, sustainability, and resilience.

The focus of this Special Issue is to investigate the current concept of Digital Twins and how they actually support regional spatial planning and sustainable urban development. The main aim is to unite scientists and professionals in the field to present their research and ideas. This should ultimately provide new insights, understanding, and knowledge for future development.

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Deadline for manuscript submissions

22 June 2026



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/219806

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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