



Geospatial Understanding of Sustainable Urban Analytics Using Remote Sensing

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Message from the Guest Editors

With 75% of the world's population set to reside in cities by 2050, the imperatives of urban management cannot be overstated in future-proofing the sustainable development of cities. New digital technologies offer immense potential for bringing together multi-source and heterogeneous datasets for spatially enabled analysis, evaluation, and ongoing management in implementing urban policies. In this regard, this Special Issue aims to understand the crucial role of remote sensing and real-time data for answering questions such as the following: 1. How is the city arranged horizontally (2D) and vertically (3D)? 2. How dynamic is the urban environment over time (4D)? 3. What is the spatial distribution pattern of traffic? 4. How are neighborhoods assessed climatologically and socially? 5. How do cities, local governments, and neighborhoods perform to achieve sustainable development goals (SDGs)? 6. What is the building, neighborhood, and city energy performance? 7. What are urban land consumption rates (open spaces, green spaces, built-up densities)? 8. How can cities perform to mitigate vulnerability and increase resilience and sustainability with respect to hazards and risks?





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