

Spatial Data Science

Guest Editors:

Dr. Fernando Bação

NOVA Information Management
School (NOVA IMS), Universidade
Nova de Lisboa, Campus de
Campolide, 1070-312 Lisboa,
Portugal

Dr. Martin Behnisch

Leibniz Institute of Ecological
Urban and Regional
Development, Dresden, Saxony,
Germany

Dr. Maribel Yasmina Santos

University of Minho, Department
of Information Systems, Campus
de Azurém, 4800-058 Guimarães,
Portugal

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Message from the Guest Editors

Data is our best prospect to significantly improve our understanding of the world, ease the attrition in human/environment interaction, optimize resource allocation and mitigate human suffering and deprivation. Nevertheless, data, especially big data, pose difficult research challenges that need to be met and overcome, in order to bring these promises to fruition. To address these challenges is the mission of Data Science. Different types of data require specific tools methods and different analysis contexts require different analytic approaches. Spatial data science is concerned with research and problems where location is a central component of the problem. Spatial data science expertise is central in many practical problems, such as environmental management, public health, crime, remote sensing, just to mention a few. Significant progress has been made in the last few years, often driven by the industry. Academia needs to support this progress, contributing with general solutions and fundamental principles that can be of use in different contexts.

- Spatial data science
- Big Data
- Geoinformation
- GIScience
- Geographic Data Mining
- Geocomputation
- Smart Cities
- Remote Sensing



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Editor-in-Chief

Prof. Dr. Wolfgang Kainz

Cartography and Geographic
Information Science, Department
of Geography and Regional
Research, University of Vienna,
Universitätsstr. 7, A-1010 Vienna,
Austria

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MDPI, St. Alban-Anlage 66
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