

Special Issue

Geo Information and Knowledge Graphs

Message from the Guest Editor

Recently, the term knowledge graph (KG) has begun to be used in research. Geospatial information plays a vital role in KGs in many application scenarios, such as smart infrastructures, environmental management, navigation, logistics, and tourism. However, traditional geographic information systems (GIS) still outperform KGs technologies in functionality, efficiency, and scalability, as they have expert knowledge of what is special about spatial content. How we can solve this gap? This Special Issue aims to focus on the emerging need for the effective and efficient production, management, and utilization of geospatial information within KGs. Possible topics include but are not limited to the following:

- Geospatial linked data vocabularies and standards used in knowledge graphs;
- Extraction/transformation of geospatial data sources into knowledge graphs;
- Efficient indexing and querying of geospatial knowledge graphs;
- Benchmarking of applications powered by geospatial knowledge graphs;
- Survey of real-world applications using geospatial knowledge graphs;
- Survey of tools/libraries/frameworks for geospatial knowledge graphs.

Guest Editor

Dr. Francisco J. Lopez-Pellicer

Advanced Information Systems laboratory (IAAA), Aragon Institute of Engineering Research (I3A), Universidad Zaragoza. c/María de Luna 1, 50018 Zaragoza, Spain

Deadline for manuscript submissions

closed (1 August 2019)

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. Willy Susilo

School of Computer Science and Software Engineering, University of Wollongong, Northfields Avenue, Wollongong, NSW 2522, Australia

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