Special Issue

Intelligent Interoperability in the Geospatial Web

Message from the Guest Editors

The geospatial domain has often yielded seminal examples of interoperability-oriented initiatives, its many heterogeneities calling for more fine-grained descriptions. These range from national/transnational efforts such as INSPIRE (EU), NSDI (USA), CGDI (Canada), ASDI (Australia) to global ones, such as the GEO System of Systems, scaling to millions of datasets across the world. It is, therefore, natural to look to the geospatial domain for advancements in semantics that can then be repurposed for other contexts. This Special Issue will collect recent advancements in both the theoretical underpinnings and practical applications of semantics in the geospatial domain. The suggested themes comprise, but are not limited to, the following:

- Semantics-based resource annotation, retrieval, and visualization;
- Semantic lift of resource descriptions;
- Linked geospatial data;
- Geospatial ontologies and geospatial ontology alignment;
- Semantics in wireless sensor networks;
- Application of Al and large language models within semantic spatial data infrastructures;
- Al-assisted geospatial data semantic annotation.

Guest Editors

Dr. Cristiano Fugazza

Institute for Electromagnetic Sensing of the Environment, National Research Council of Italy (CNR-IREA), Via Corti 12, Milan, Italy

Dr. Paolo Tagliolato

Institute for Electromagnetic Sensing of the Environment, National Research Council of Italy (CNR-IREA), Via Corti 12, Milan, Italy

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About the Journal

Message from the Editor-in-Chief

The ISPRS International Journal of Geo-Information invites you to submit research articles, reviews, and reports covering topics of the whole domain of geo-information. Although the journal was only founded in 2012, it has already achieved wide recognition in the scientific community. We are proud that since April 2015, our journal is indexed by the SCIE of the Web of Science. As Editor-in-Chief, I encourage you to consider IJGI for your scientific papers and would be pleased to welcome you as authors.

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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