

## Special Issue

# GIS and Spatial Analysis in Environmental Assessment under Uncertainty

### Message from the Guest Editor

Environmental assessment (EA) is a proactive process which seeks to reduce the negative outcomes of uncertainties. From Carson's silent spring, which initiated the modern environmental movement, and McHarg's spatial overlay approach, which emphasized the incorporation of environmental concerns into design in the mid-20th century, to Steinitz's Framework for Integrated Earth System models, the technological scope of EA continues to broaden. Today's challenges include: (1) how to integrate voluminous and multiple sources of the same geographic facts in ways that reflect their various properties (2) how to expand frontiers with interdisciplinary practices to detect patterns based on statistical learning frameworks that offer robust prediction methods (3) how to tweak policies to more practical and achievable outcomes by bringing EA to the human scale. This Special Issue seeks to further investigate and advance the paradigms of spatial methods for EA under uncertainty. The invite submissions of original research from communities utilizing forward-looking and practices of EA with strong geospatial perspectives.

### Guest Editor

Prof. Dr. John Radke

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### Deadline for manuscript submissions

closed (31 January 2022)



## ISPRS International Journal of Geo- Information

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### 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.

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### Editor-in-Chief

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