

Special Issue

Advanced Technologies in Geographic Process Modeling

Message from the Guest Editor

The discipline of geography moved from a static to a process-oriented perspective about a hundred years ago. Its computational representation is still struggling. From the early days of linking GIS and process models to even recent approaches of capturing the complexity of geographic phenomena with agent-based models, we are hampered by the chasm between low-level ontological understanding (Reitsma 2005) and its translation into practical tools that go beyond the mere automatization of workflows (Hofer 2017). The current enthusiasm for geographic data science, in spite of all the benefits that can be derived from meshing up diverse data sources, still misses the point that these data represent a static snapshot that may allow for the derivation of movements but not for the understanding of process drivers. We are inviting submissions that critically reflect on these constraints and point to novel approaches to overcome them. The preliminary paper topics beneath may provide some guidance to the kinds of papers we are seeking.

Guest Editor

Prof. Dr. Jochen Albrecht

Department of Geography, Hunter College, City University of New York,
New York, NY 10031, USA

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Geographies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
geographies@mdpi.com

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Message from the Editor-in-Chief

Geographies is an open access, cross-disciplinary journal that covers the physical features of the earth and its atmosphere, also including the human dimension. The scope of this journal is extremely wide, from the study of the various components that make up our planet, to the tools used to conduct these studies, to the human impacts that affect us all. All of these issues can be addressed at a variety of spatial and temporal scales from global to local and from a single point in time through eons. *Geographies* promotes a quest for knowledge and to finding solutions to many of our most pressing and timely issues to benefit our world.

Editor-in-Chief

Prof. Dr. Luca Salvati

Department of Economics and Law, University of Macerata, Via
Amaroli 43, I-62100 Macerata, Italy

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