

Map Generalization

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Message from the Guest Editors

The practice of cartographic generalization has advanced beyond display and legibility to include strategies that support analysis and feature recognition, that exploit spatial and semantic contexts, and that preserve relationships between and among features. Although standards for data production have been developed and are in wide use, formal methods to evaluate the impacts of generalization on higher level geometric, topologic, and semantic properties are still not widely available. Furthermore, presently, most organizations are not able to distribute data with feature level linkages that can span spatial resolutions, and many do not provide basic or advanced generalization services to users. All of these application domains can be refined and advanced by the development of new algorithms, processing methods, and evaluation protocols to improve support for mapping, modeling, and reasoning across multiple scales.

The purpose of this Special Issue is to highlight the emerging research in generalization and multiscale representation to support spatial modelling, analysis, or intelligent data distribution, in addition to static display.



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