

Special Issue

Geographic Information System (GIS) for Various Applications

Message from the Guest Editors

In recent years, an increasing number of geographic information applications have been moved from stand-alone applications to applications requiring online collaboration. The advances in web services and service-oriented architectures have significantly improved the transformation process. At present, although international standards for geographic information services and advanced geographic information cloud computing platforms have emerged, challenges still remain for non-expert users. Most of the current commercial software and open-source software focus on the release of geospatial data web services and less on the release of geoprocessing services. Therefore, how to quickly publish processing models of related fields such as web geoprocessing services is difficult for non-expert users. Recently, the development of technologies such as knowledge graphs, cloud computing, edge computing, and artificial intelligence has further promoted the progress and application of web geoprocessing services. This Special Issue aims to provide the latest and future directions in web geoprocessing services, models, and systems.

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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