Upscaling AI Solutions for Large Scale Mapping Applications

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Message from the Guest Editors

Dear Colleagues,

Artificial Intelligence (AI) is entering all domains, with innovative solutions and results that would have been both unpredictable and unachievable just a few years ago. Geospatial AI is also growing. Recently, interesting research results have been presented for point cloud classification, object detection, feature extraction, semantic segmentation, etc. Nonetheless, the challenge remains on how to apply these methods and results to nationwide 3D data sets and how to have solutions that are reliable, replicable, and applicable to National Mapping and Cadastral Agencies (NMCA) problems.

This issue is organized in collaboration with EuroSDR (http://eurosdr.net/), a not-for-profit organization linking NMCAs with research institutes and universities in Europe for the purpose of applied research in spatial data provision, management, and delivery.

It aims to raise awareness and understanding of AI methods applied to large geodata as well as to collect ongoing research activities to boost the use of AI within the context of NMCA. It also aims to understand the impact, benefits, effect, and open issues of AI applied to large geospatial datasets.

Special Issue

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Message from the Editor-in-Chief

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