

Upscaling AI Solutions for Large Scale Mapping Applications

Guest Editors:

Prof. Dr. Fabio Remondino

3D Optical Metrology (3DOM)
Unit, Bruno Kessler Foundation
(FBK), 38123 Trento, Italy

Prof. Dr. Joep Crompvoets

Public Governance Institute, KU
Leuven, Parkstraat 45, Bus 3609,
B-3000 Leuven, Belgium

Prof. Norbert Haala

Institute for Photogrammetry,
University of Stuttgart,
Geschwister-Scholl-Strasse 24,
70174 Stuttgart, Germany

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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://eurohdr.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.



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Editor-in-Chief

Prof. Dr. Wolfgang Kainz

Cartography and Geographic
Information Science, Department
of Geography and Regional
Research, University of Vienna,
Universitätsstr. 7, A-1010 Vienna,
Austria

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ISPRS International Journal of Geo-Information Editorial Office
MDPI, Grosspeteranlage 5
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