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Uncovering Earth System Processes through Satellite Remote Sensing and GIS

Guest Editors:

Dr. Salvatore Stramondo

Istituto Nazionale di Geofisica e
Vulcanologia Centro Nazionale
Terremoti, Rome, Italy

Prof. Dr. Roberto Battiston

Dipartimento di Fisica, Università
di Trento, via Sommarive 14,
38123 Povo, Italy

Dr. Fawzi Doumaz

Istituto Nazionale di Geofisica e
Vulcanologia—National
Earthquake Observatory, 00143
Rome, Italy

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submissions:

closed (30 April 2024)

Message from the Guest Editors

Dear Colleagues,

The objective of the Special Issue is to provide an overview of the state-of-the-art applied research exploiting the capabilities of optical and SAR remote sensing applied to the Earth system (solid Earth, fluid Earth, and atmosphere). Satellite outcomes and in situ data can be cross-validated and compared in the GIS environment, which is a reliable tool for scientists, stakeholders, and decision makers.

In particular, panchromatic, multispectral, and hyperspectral sensors provide reliable instruments for observations of land (soil wetness, agriculture, forestry, mapping, and disaster monitoring), sea (fishery), and space weather. Papers related to data interoperability, mining, and management are warmly welcome.

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Editor-in-Chief

**Prof. Dr. Enrico Corrado
Borgogno Mondino**

Department of Agricultural,
Forest and Food Sciences,
University of Turin, L.go Braccini
2, 10095 Grugliasco, Italy

Message from the Editor-in-Chief

Geomatics is the modern adaptation of traditional surveying, mapping, and their related skills. In geomatics, Information and Communication Technology (ICT) and digitization play a focal role. Geomatics is the discipline that integrates the tasks of gathering, storing, processing, modeling, analyzing, and delivering georeferenced information. Geomatics produces, validates, and represents georeferenced data that helps to provide services that meet the needs of society.

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Geomatics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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