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## Space-Borne Earth Observation Data for Monitoring Natural and Anthropogenic Phenomena: A Look towards Climate Change and Advanced Processing Methods

Guest Editors:

**Dr. Marco Polcari**

Istituto Nazionale di Geofisica e Vulcanologia (INGV), Via di Vigna Murata 605, 00143 Rome, Italy

**Dr. Letizia Anderlini**

Istituto Nazionale di Geofisica e Vulcanologia (INGV), Sezione di Bologna, Via Franceschini 31, 40128 Bologna, Italy

**Dr. Antonio Montuori**

Agenzia Spaziale Italiana (ASI), Earth Observation Unit, Via del Politecnico snc, 00133 Rome, Italy

Deadline for manuscript submissions:

**15 December 2024**

### Message from the Guest Editors

Thanks to the increasing number of space missions equipped with SAR and optical sensors and GNSS networks, EO data can be utilized to better understand several phenomena and improve our knowledge of the Earth's dynamic processes.

Therefore, we welcome studies on seismic or volcanic processes, crop production, subsoil exploitation activities, urban or coastal subsidence and landslides and avalanches, as well as papers focusing on the testing and demonstration of novel analytical methods including, but not limited to, data fusion approaches, AI, machine/deep learning and neural networks, with analysis of their performance to improve the processing and post-processing of satellite data, with reference to the combined use of multi-mission products.

Moreover, we will consider contributions focusing on phenomena in the framework of climate change. Contributions supporting both hazard assessment and risk mitigation are welcome, including papers considering wildfire detection, floods, sea level rise, glacier monitoring, plastic pollution and oil spills, coastal erosion and drying rivers and gas emission monitoring.



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*Remote Sensing* Editorial Office  
MDPI, Grosspeteranlage 5  
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