



Multi-Sensor Remote Sensing Data for Volcanic Hazards Monitoring

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Message from the Guest Editors

Volcanoes are characterized by many natural hazards that need continuous monitoring, and part of the global population is directly at risk from volcanoes. Volcanic activities, in particular gas emissions and volcanic eruptions, are spectacular, but dangerous to study on-site. Furthermore, many hazardous volcanoes are located in remote areas, or have rudimentary or no ground monitoring. In the last decades, satellite, airborne, and ground-based remote sensing have proved to be key tools to monitor active volcanoes, to assess their likelihood of eruption and determine impacts on the environment and infrastructures. This Special Issue invites manuscripts focused on any topic related to remote sensing data for volcano monitoring, from innovative analysis techniques to studies on specific pre-eruptive/sin-eruptive events, with the aim of unravelling a variety of volcano-related geohazards, such as ash dispersion in the atmosphere, tephra fallout and lava flows, surface deformations, earthquakes, volcanic gases, landslides and hydrogeological hazards.





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Message from the Editor-in-Chief

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