Aerial and Drone LiDAR Data for Geomorphological Mapping, Landform Extraction and Landscape Evolution

Guest Editors:

Dr. Dario Gioia

Dr. Nicodemo Abate

Dr. Giuseppe Corrado

Dr. Antonio Minervino Amodio

Prof. Marcello Schiattarella

Deadline for manuscript submissions:
closed (26 May 2024)

Message from the Guest Editors

Recently, the increased availability of ultra-high resolution LIDAR data has favored the spreading of different applications in the field of quantitative landscape analyses. Such data strongly support traditional geomorphological methods of delineating geomorphological elements and types and rates of surface processes.

This special issue encourages researchers to submit papers dealing with the multitemporal analysis of LIDAR DEMs aimed at the detailed reconstruction of short- and long-term topographic changes. Other relevant topics for this research proposal include the analysis of LIDAR-derived data for geomorphological mapping purposes, modeling of short- and long-term estimation of topographic changes and geomorphological processes in different climate contexts and at different spatial and temporal scales, and quantitative characterization of geomorphological processes and landform changes. Contributions to the high potential of LIDAR surveys for application in the field of landscape archaeology or the identification of small-scale landforms of archaeological significance are also welcomed.

mdpi.com/si/175628

Special Issue

Editor-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

Message from the Editor-in-Chief

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