



Advances in Global Digital Elevation Model Processing

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Message from the Guest Editors

The topographic features of our Earth have always been the key to our orientation in geographic space. A digital elevation model (DEM) is a powerful surface model of the Earth or of any other planets. It can provide explicate and more inherently hidden information of the topographic complexity, in a simplified way. At present, a number of terrestrial and bathymetric global DEMs can be obtained. They can be commercial or under free licenses or public domain. The key questions are as follows: “Which elements can improve the usability of available global DEMs?” and, closely linked, “How can we improve such DEMs’ quality when using geomorphometric methods?”. This Issue is fundamental in order to ensure the best performance of any spatial analysis involving DEM and for reducing uncertainties. Answers to the research questions can lead to a step forward in the global DEM processing, which will further escalate the interoperability and usability.

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