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*Geomathematics - Role, Aims, and Potential.*

During the last decades, geosciences and geoengineering were influenced by two essential scenarios: on the one hand technological progress has changed completely the observational and measurement techniques, on the other hand there is a growing public concern about the future of our planet, its climate, its environment, and about the expected shortage of natural resources. Both aspects demand the strong need for new and innovative structures, tools and methods, i.e., geomathematics. The present note represents an attempt to describe geomathematics in its role, its aims, and its potential. (Received September 21, 2009)