Abstract

The Technology of Geological Mapping With GIS Application
Track: Mining and Geosciences
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On a basic GIS by ESRI the state system of geologic digital mapping is designed. The data acquisition is made by field work with ArcPad on a PocketPC with GPS and a digital photo camera. ArcPad contains digital geologic materials (database, maps) and all types of rocks of the current territory. The information departs on the central server through modems of mobile telephones. The experts study data and introduce the operation to field groups. The material is processed using ArcView 3.2 and ArcGIS 8.1. The information is sent to databases and analyzed to make hardcopies of maps, sections etc.

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