

## [Machine-Assisted Buildout of a Structured Vocabulary, including Ontology, for Geomaterials](#) [1]



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### **Abstract:**

Machine assisted construction of a structured vocabulary for geomaterials terms was recently carried out on a large scale for over 1400 terms from 20 corpus documents – glossaries, classifications, ontologies, catalogs. The processing steps are described, and some conclusions from the study are given. The structured vocabulary is now available on a collaborative basis for studies to optimize semantic structures (e.g., ontologies) in the geosciences, and also to develop software applications for databases, such as semantic query and crosswalk.

**Collaboration Area:** [Semantic Web](#) [3]

**Attachments for download:**  [GeomaterialsVocab\\_3.pdf](#) [4]

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