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## Use of ontology to field geological data - Making of outcrop information vocabulary

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We took in ontology technology to express, to distribute and to utilize outcrop information with digital. Because outcrop information is extremely information of the base, the use from other databases wide practical use is expected. On this account at first we made "outcrop information vocabulary" with OWL(Web Ontology Language). In addition, We made an XML schema to describe XML with this vocabulary. Furthermore, We performed a test to digitize route maps using them. As a result, for the description of the XML base, it developed that this vocabulary is congruent with existing Web technology

Keywords: Standardization, XML, Semantic Web, Ontology, OWL, Geology