

Earth Science Markup Language: A Solution for Generic Access to Heterogeneous Data Sets

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Abstract

The Earth Science community is processing and analyzing a large amount and variety of data. These data are generally stored in different data formats, which forces the scientists to spend a significant amount of time in writing specialized, data format specific readers. However, this preprocessing burden can be alleviated by using the Earth Science Markup Language (ESML). ESML is a specialized markup language for Earth Science metadata. Based on the eXtensible Markup Language ([XMLTM](http://www.xml.com)), ESML allows data descriptions to be written in a standard fashion.