

Demonstrating preservation connections using OAI-ORE

The Open Archives Initiative - Object Reuse and Exchange (OAI-ORE) protocol was developed to enable the exchange of information about complex e-science objects. The purpose of this project is to determine whether or not such a protocol is capable of describing and making available information about digital data sets in the Earth sciences. To test these capabilities we intend to test OAI-ORE using provenance and context information for NASA's MODIS instrument. We intend to describe the entire suite of available information as described in the OAIS reference model and further explicated through the USGCRP's report Global Change Requirements for Long-Term Archiving and developing ESIP Provenance and Context Content Standard for at least one of the MODIS Level 3 data products and all of its precursor products. The results of this test will be demonstrated through a very simple web site depicting the connections and describing any problems and successes encountered.

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