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Visualizing JSTOR: Exploring OAI-ORE for Information Topology Navigation

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Summary

The Open Archives Initiative has produced a specification called Object Re-use and Exchange (ORE) for describing collections, called "aggregations", of web resources. In order to evaluate and demonstrate the appropriateness of the ORE specifications for scholarly communication, a series of large scale experiments was performed with the holdings of the JSTOR Digital Library including both representing the collection as ORE Resource Maps and then visualizing the information topology in a browser-based client which uses AJAX to retrieve the resource maps as needed and Dynamic SVG to animate the graph parsed from RDF/XML. The technology was also extended to the Flickr website to further demonstrate the scope of the ORE specifications.

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