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Tutorial 1. In-depth overview of the OAI-ORE specifications

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Slides: <http://www.slideshare.net/hvdsomp/an-overview-of-the-oai-object-reuse-and-exchange-interoperability-framework>

Summary

Digital objects used in scholarship and education are typically compound. For example the multi-part “virtual data” objects envisioned by the National Virtual Observatory Project, the “datuments” described in the chemistry community, the enhanced publications of DARE 2, and the learning objects implemented by NSDL share the property that their components are distributed over multiple databases, web servers, databases, and the like. In order to make such compound objects fully functional on the Web (both Web 2.0 and Web 3.0), the OAI Object Reuse and Exchange (OAI-ORE) specifications proposes an approach to deal with aggregations of Web resources, that is fully aligned with the Web Architecture. It specifies a resource-centric interoperability framework that recasts the repository-centric notion of digital objects to that of a bounded, URI-identified aggregation of Web resources. In this manner, compound digital objects become more integrated with the Web, and thereby more accessible to standard Web applications and clients. This tutorial will give an overview of the OAI-ORE interoperability framework, including: Motivation & Foundation, Data Model, Serializations (Atom, RDF/XML), HTTP Guidelines, and Discovery approaches.

See <http://www.openarchives.org/ore/toc>

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[View Robert Sanderson's profile](#)

Primary authors: Dr VAN DE SOMPEL, Herbert (LANL); Dr SANDERSON, Robert (University of Liverpool)