Resources

Selected ORE Implementations, Demonstrations, and Tools

Australian Partnership for Sustainable Repositories

A demonstration of ORE utilizing Resource Maps to integrate the Open Journal System with a DSpace repository for the submission and subsequent rendering of Aggregations to end-users.

Using OAI-ORE in an e-Journal-to-Repository Workflow
http://www.apsr.edu.au/ore

Ben O'Steen, David Tarrant, Tim Brody

A powerful demonstration at the Open Repositories 2008 conference where a group of repository developers used ORE to transfer the entire contents of an e-Prints repository into a Fedora repository and back again.

The CRIG Repository Developer Challenge
http://www.ariadne.ac.uk/issue57/rumsey-osteen

Data Archiving and Networked Services (DANS)

Demonstrations of "enhanced" publications that are constructed using ORE and displayed as webpages using client-side (DRIVER-II) and server-side (JALC) XSLT transformations. DRIVER-II also provides Java applet for visualizing the relationships between the resources.

Enhanced Publications
http://driver2.dans.knaw.nl
http://develop01.dans.knaw.nl/jalc

European Commission

A portal, API, and collection of materials from cultural institutions all over Europe that uses ORE as a modeling tool to present complex digital objects.

Europeana
http://www.europeana.eu

German National Library of Economics (ZBW)

A collection of more than six million digitized newspaper clippings between the 19th century and 2005 that are exposed as ORE Aggregations with Resource Maps serialized using RDFa.

20th Century Newspaper Archives
http://zbw.eu/pm20

Ghent University

A custom-made institutional repository and faculty citation management system that includes support for ORE.

Biblio
http://biblio.ugent.be

Japanese Digital Mathematics Library

Utilizes ORE for aggregating resources that relate to mathematics from distributed digital libraries, serializing Resource Maps as Atom XML.

Japanese Digital Mathematics Library
http://dmljp.math.sci.hokudai.ac.jp

Jewish American Archive

A module for the Drupal content management system that allows you to build and present media presentations based on OAI-ORE.

Nodequeue OAI-ORE
http://drupal.org/project/nodequeue_oaiore

Johns Hopkins University

Librarians collaborating with astronomers to publish, archive, and cross-link documents and research data sets.

National Virtual Observatory
http://www.us-vo.org

Library of Congress and National Endowment for the Humanities

A long-term program to digitize a selection of newspapers published in the United States between 1836 and 1922 to preserve and improve access to them.

National Digital Newspaper Program
http://www.loc.gov/ndnp

Los Alamos National Labs, Old Dominion University

A project that utilizes HTTP content negotiation and ORE concepts to retrieve archived versions of Web resources from the past.

Memento
http://www.mementoweb.org

Michael Giarlo

A plug-in for the Wordpress blog platform that generates Resource Maps for blog pages and posts that are exposed using Atom.

Wordpress Plug-in for ORE
http://lackoftalent.org/michael/blog/ore-wordpress-plug-in

Microsoft External Research

A word processor plug-in for Microsoft Word 2007 that adds support for SWORD and the generation and embedding of Resource Maps into .docx files.

Article Authoring Add-in for Microsoft Word
http://research.microsoft.com/authoring

An institutional repository built on top of Microsoft SQL Server and the .Net framework that supports ORE natively.

Zentity
http://research.microsoft.com/en-us/projects/zentity

Mellon Foundation

A broad collaboration to facilitate standards and implementations for leveraging annotations across clients, servers, and collections.

Open Annotation Collaboration
http://www.openannotation.org

oreChem

A broad collaboration sponsored by Microsoft that builds on the work of ORE by defining a core model, ontology, and extensions for chemical entities, populating and exposing data sources using the model, and developing a set of demonstration applications in scholarly communication and research in chemistry.

oreChem
http://www.openarchives.org/oreChem

Oskar Grenholm, National Library of Sweden

An open-source ORE implementation for the Fedora repository.

oreProvider
http://oreprovider.sourceforge.net

University of Cambridge

A JavaScript application that presents a quick way to view and navigate through the resources in Aggregations in a pop-up pane that uses preloading and ORE autodiscovery.

peekORE
http://blip.tv/file/1157218

University of Liverpool

A project that has produced code libraries for implementing ORE in Java and Python as well as an extension for Mozilla Firefox called explORE that can visually characterize Aggregations, which was originally developed for JSTOR and with support from HP Labs.

Foresite
http://foresite.cheshire3.org

The winner of the "ORE Challenge" at RepoCamp 2008 that provides a visual interface for navigating nested Aggregations.

OREsome
http://www.vimeo.com/1413467

University of Queensland

A Mozilla Firefox extension that enable researchers to create and publish ORE-compliant literary objects that encapsulate their digital resources and bibliographic metadata and view them as Aggregations.

LORE
http://www.itee.uq.edu.au/~eresearch/projects/aus-e-lit

A scientific authoring, publishing, and editing environment that generates ORE-compliant digital objects.

SCOPE: A Scientific Compound Object Publishing and Editing System
http://www.ijdc.net/index.php/ijdc/article/view/84

University of Southampton, University of Manchester

A social networking platform for sharing formalized scientific workflows that can be exposed as ORE Aggregations.

MyExperiment.org
http://myexperiment.org

University of Southern Queensland, University of Cambridge

A demonstration of ORE in various applications in a production environment including integrating repositories and the production of electronic theses and dissertations.

ICE Theorem
http://ice.usq.edu.au/introduction/ice_theorem.htm

Texas Digital Library

An implementation of ORE for the DSpace repository platform that supports a digital library of electronic theses and dissertations.

Vireo
http://etd.tdl.org

Official ORE Documentation

- Primer, http://www.openarchives.org/ore/1.0/primer.html
- Tools and Additional Resources, http://www.openarchives.org/ore/1.0/tools.html

Specification

- Abstract Data Model, http://www.openarchives.org/ore/1.0/datamodel.html
- Vocabulary, http://www.openarchives.org/ore/1.0/vocabulary.html

User Guides

- Resource Map Implementation in Atom, http://www.openarchives.org/ore/1.0/atom.html
- Resource Map Implementation in RDF/XML, http://www.openarchives.org/ore/1.0/rdfxml.htmlResource Map Implementation in RDFa, http://www.openarchives.org/ore/1.0/rdfa.html
- HTTP Implementation, http://www.openarchives.org/ore/1.0/http.html
- Resource Map Discovery, http://www.openarchives.org/ore/1.0/discovery.html

Selected References

- The Architecture of the World Wide Web, Volume 1, http://www.w3.org/TR/webarch
- Cool URIs for the Semantic Web, http://www.w3.org/TR/cooluris
- DCMI Metadata Terms, http://dublincore.org/documents/dcmi-terms
- Expressing Dublin Core metadata using the Resource Description Framework (RDF), http://dublincore.org/documents/dc-rdf
- Hypertext Transfer Protocol: HTTP/1.1, http://tools.ietf.org/html/rfc2616
- The "info" URI Scheme: Resource Pages, http://www.loc.gov/standards/uri/info.html
- Linked Data: Guides and Tutorials, http://linkeddata.org/guides-and-tutorials
- OWL Web Ontology Language Guide, http://www.w3.org/TR/owl-guide
- Resource Description Framework: Concepts and Abstract Syntax, http://www.w3.org/TR/rdf-concepts
- RDF Semantics, http://www.w3.org/TR/rdf-mt

- RDF Vocabulary Description Language 1.0: RDF Schema, http://www.w3.org/TR/rdf-schema
- The Shape of the Scientific Article in The Developing Cyberinfrastructure, C. Lynch, *CTWatch Quarterly*, August 2007, http://www.ctwatch.org/quarterly/print.php%3Fp=79.html
- Uniform Resource Identifier (URI): Generic Syntax, http://www.ietf.org/rfc/rfc3986.txt
- HTML+RDFa: A Mechanism for Embedding RDF in HTML, http://www.w3.org/TR/rdfa-in-html/

OAI-ORE Community

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OAI-ORE Community on Google Groups

http://groups.google.com/group/oai-ore