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The EVS and NKO Subject Portal for Enhanced Publications.
Connecting Data Archives, Libraries and Research Organizations using DDI 3.1

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Overview Presentation DatapluS project

1. Introductory Remarks
2. Partners, Project Objectives, Technology
3. Architectural Picture and Workflow
4. Demo EPE, resolving URN's and the NEEO Subject Portal
5. Current Concerns

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Don't Look Back!

Once upon a time, not too long ago…

- ✓ Information with regard to research data was not readily available at the library...

- ✓ The availability of data became a prerequisite for researchers to come to Tilburg University…

- ✓ You needed to know where to go…

Embrace the climate change!

1. "You can no longer separate the data management issue from the planning and running of research infrastructures." *(*John Wood, Chair ESFRI, KE-Workshop Re-Use of Research Data, Berlin, 24 Sept. 2009).

2. Effective technologies need to be developed for intelligent content creation and management, and for supporting the capture of knowledge and its <u>sharing</u> and <u>reuse</u> (Roberto Cencioni, 2008, DG Information Society and Media; i2010 - Digital Libraries).

3. The infrastructure for making data available is far less mature than is the case for publishing reports of research (Prof. Christine Borgman, 2008).

4. Article is no longer the only or even most important source of scientific information (Brown, 2007)

Embrace the climate change!

1. OECD principles and guidelines for access to research data from public fundings (OECD, 2007).

2. 'Enhance access to publicly funded research results' (Janez Potocnik, EU Commissioner, 2008).

3. Netherlands: ARVODI regulation: Data from publicy funded reseach needs to be preserved and made available for re-use.

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Nevertheless…

1. Discovering and identifying research data that is both useful and ready to use is still very difficult.

2. "Quite frequently, the databases of different international bodies contain references to the same variables, but attach a different value to them. In some cases, these variations are simply the result of differences in the frequency with which data are updated, in others they are due to differences in definitions, or errors in the way the data have been gathered or processed (Enrico Giovannini, OECD, 2008, p.66).

3. Daily practice and enforcing policies to make data available for preservation and re-use is difficult…

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Partners Involved

1. Research organizations: European Values Study Group (EVS), National Election Studies (NKO).

2. Data Archives: DANS, GESIS.

3. CentERdata (Tilburg University).

4. University Libraries: Tilburg University, Twente University.

Project Objectives

1. Extend the results of a pilot project on enhanced publications (EP's) to production level.

2. Set up a sustainable infrastructure for EP's.

3. Enhance 40 publications with detailed information on the data that were used, how concepts and constructs used in the publications are measured and what syntax was used.

4. Build a tool that researchers can use to enhance their publications (CentERdata).

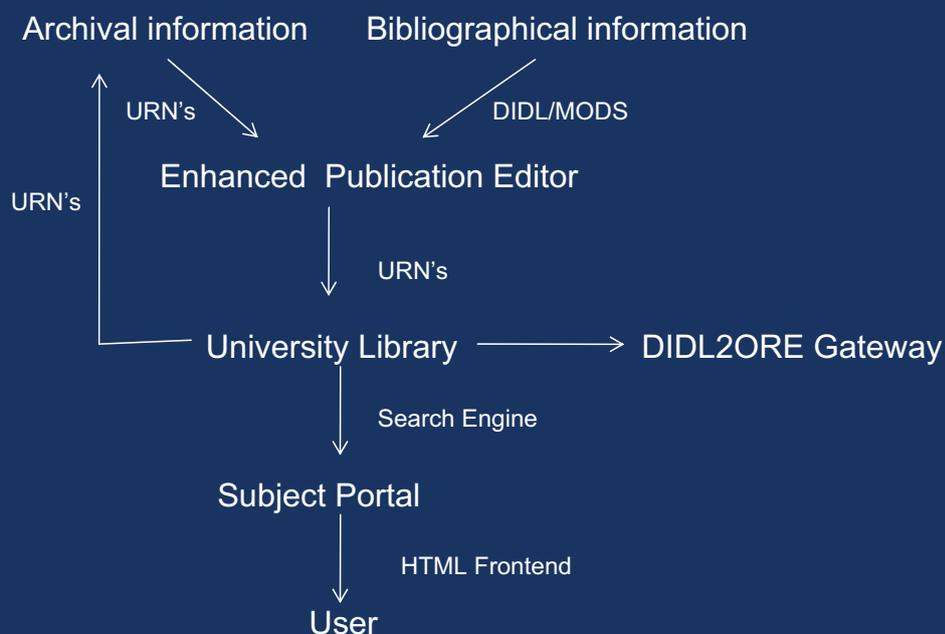5. Build two subject portals (NKO, EVS), that act as a showcase for EP's.

Technology Involved

1. Bibliographical Data: DIDL/MODS.

2. Research Data: DDI 1.5.* (Nesstar) and DDI 3.1.

3. Search engine: Meresco (Python), SRU, OAI-PMH.

4. Dissemination: XSLT and ORE (DIDL2ORE Gateway).

   ✓ Note: Resource maps are serialized for ingest in Fedora, DSpace or E-prints

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Storage, Search, Access and Delivery Services

Archival information   Bibliographical information

URN's   DIDL/MODS

URN's   Enhanced   Publication Editor

                              URN's

University Library ———→ DIDL2ORE Gateway

          Search Engine

Subject Portal

          HTML Frontend

User

Demo

1. CentERdata's EPE: http://cdata3.uvt.nl/DataPlusTest/#login
2. DANS: http://dataplus.dans.knaw.nl
   - http://develop01.dans.knaw.nl/maarten/dataplus
3. NEEO Portal: http://www.economistsonline.org/home#
   - DIDL to ORE Gateway
   - http://radix-21.uvt.nl:4080/ore/index.html

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Current Concerns

1. Will EVS and NKO enhance their publications from now on?
2. How to optimize the presentation of and the navigation through research data for the researchers workflow?
   - How to present the research data in the portal?
   - How to present geographical structure and location information into the portal?
3. Conceptual data spreads out over keywords, subjects, topical coverage and concepts .

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Questions?

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Thank You All!

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