Enhanced Publications

using OAI-ORE



Introduction

- Data Archiving & Networked Services
 - Institute from both KNAW and NWO
- DRIVER II





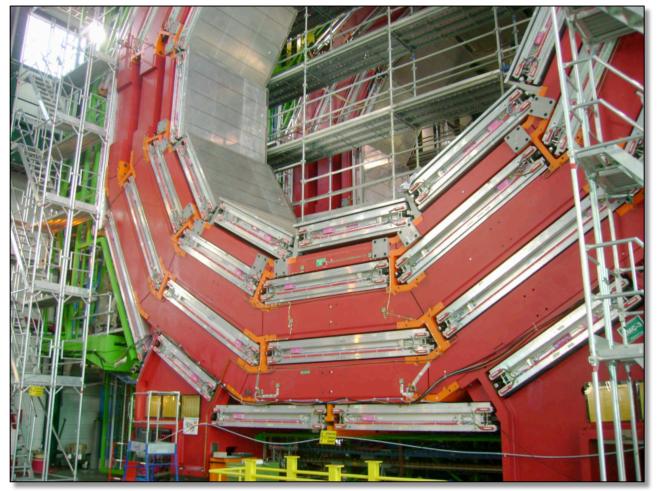
- JRU with SURFfoundation and academic institutes
- WP: Enhanced Publications







A picture is worth a thousand words...



Data Archiving and Networked Services

http://dorigo.wordpress.com/2007/04/24/



But why...

 Only a few number of small, lowresolution black & white, still images? No moving images, no dynamic visualizations? No data?

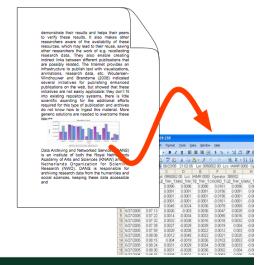


 Enormous possibilities to share and discover results using Internet and (e.g.) DRIVER infrastructure



Enhanced Publications

- Publications combined with research data, visualizations, etc.
- Combine by:
 - Linking publication and data externally
 - Linking data from within publication
 - Integrating data into publication





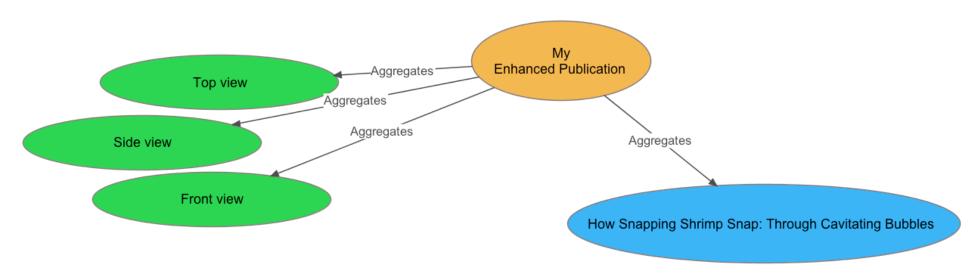
Demonstrator - Goals

- Suggest the perfect solution
- Show the opportunities and challenges
- Help people think about requirements and solutions



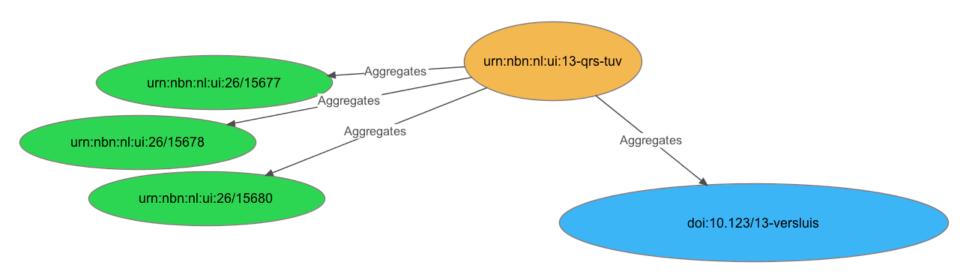


- Collect publication, data and metadata
 - define and identify aggregations of (web) resources using OAI-ORE





- ... in a durable way
 - using persistent identifiers, digital author identifiers (DAI), vocabularies, etc.

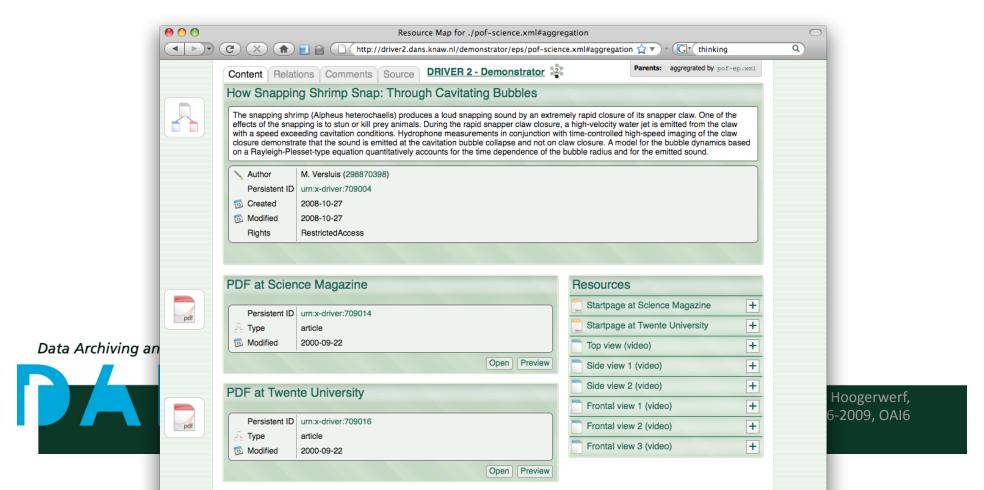




- ... in an exchangeable format
 - describe aggregations as triple-relations using RDF



- ...visualize in browser
 - translate RDF to HTML using XSLT



Demonstration

http://driver2.dans.knaw.nl



Challenges

- Contents
 - Fixed, Quality, Durability
- Presentation
 - Standardized and generic or custom-made
- (Persistent) Identification
 - Granularity, level of persistence, use with ORE
- Long Term Preservation
 - Who?
- Creation
 - The need for tools
- •



Conclusions

- OAI-ORE can be used to aggregate components of an enhanced publication
 - Further community-specific agreements required
- Durability aspect needs to be solved
 - What to aggregate and how to aggregate?
- Tools



Future

- SURFshare tender projects
 - DatapluS
 - JALC
 - Veteran Tapes VP
 - ESCAPE
 - Proefschriften Plus





Thank you!

• Questions?

FAQ:

- Is the demonstrator online?
 - Yes, http://driver2.dans.knaw.nl

