Remember, Reuse, Restructure: Compound Publications from Theory to Practice

Andres Quast

SWIB 2011
• The Bielefeld University Library (BL) and the Library Service Center of North Rhine Westfalia (hbz) drives the project
• eco4r is funded by German Research Foundation (DFG)
• The eco4r project was started in January 2010
• Project will be finished in January 2012
• The current workshop here at the SWIB 11 is to present the projects practical outcomes
Outline

- what are compound publications, what are they relevant for?
- challenges related to compound publications
- eco4r project goals
Compound publications facilitate scientists work. Scientists can
- evidence results with research data
- provide instructions for work or demonstrate a work process
- append software tools for demonstration and research
- include intermediate results
- trigger direct communication (comments, reviews)

In difference to classical publication, a compound publication ideally reflects the whole knowledge discovery process.
Compound Publications

Different wording (and meaning) for compound publications:
  - enhanced publications
  - enhanced E-Theses
  - compound scholarly publications
  - complex digital objects

technically: complex digital objects or aggregations of distributed web resources
Compound publications already exist in many repositories
- monographs with chapter files and metadata
- journal articles with supplementary material
- publications that link to other web resources
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- to understand relationship and meaning of all components
- retain access and understanding to the components over time
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the eco4r Project is to address and meet the practical requirements of compound publications
Real Live Compound Publications

UB and hbz runs different repository systems

- **OPUS** as *Institutional Repository* with scholarly publications and Green Road Open Access publications
- DiPP: a **Fedora** based *Publication Platform* for Golden Road Open Access Journals

In both we find:

- theses with chapters and annexes
- theses and articles with supplements of:
  - datasheets (research data)
  - software
  - video and audio files
  - database dumps
Introduction to eco4r

For the project an almost practical approach is chosen:

- examine in detail the existing compound publications in our repository systems
- define recommendations and data model for expose these objects to other systems
- implement modules to expose the objects to other systems
- build an Overlay Journal prototype as prove of concept
- address long term preservation conceptually

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Summary

The eco4r project is to

Facilitate management of compound publications in existing repository systems

in terms of

• exposure
• reuse
• and sustainability of access

The Workshop is to present the practical outcomes of the project which may be useful for Repository Managers driving Fedora or OPUS Systems
Thank You