

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

eco4r

Andres Quast

SWIB 2011



**DFG**



# eco4r outline

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- 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

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- what are compound publications, what are they relevant for?
- challenges related to compound publications
- eco4r project goals

# Compound Publications

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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

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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

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Compound publications already exist in many repositories

- monographs with chapter files and metadata
- journal articles with supplementary material
- publications that link to other webresources

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- to understand relationship and meaning of all components
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- remain accessibility of all parts <- **reuse**

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- components of publication may change over time <- **remember**
- remain accessibility of all parts <- **reuse**

**the eco4r Project is to address and meet the practical requirements of compound publications**

# Real Live Compound Publications

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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:

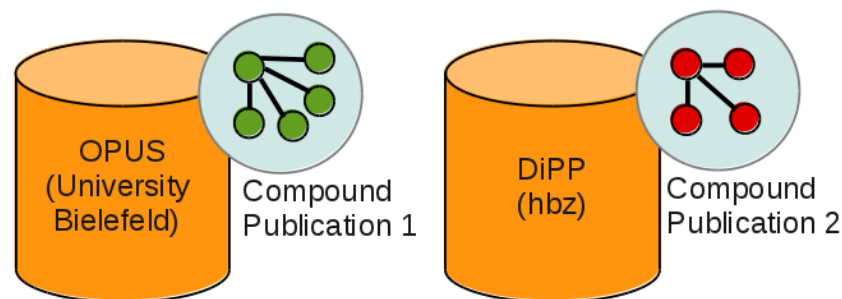
- theses with chapters and annexes
- theses and articles with supplements of:
  - datasheets (research data)
  - software
  - video and audio files
  - database dumps

# Introduction to eco4r

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For the project an almost practical approach is chosen:

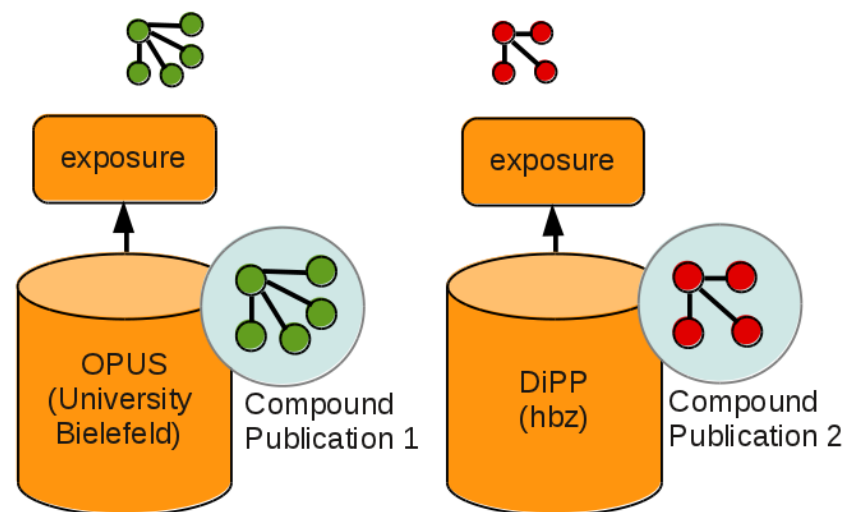
- examine in detail the existing compound publications in our repository systems
- define recommendations and data model for expose these objects to other systems
- implement modules to expose the objects to other systems
- build an Overlay Journal prototype as prove of concept
- address long term preservation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



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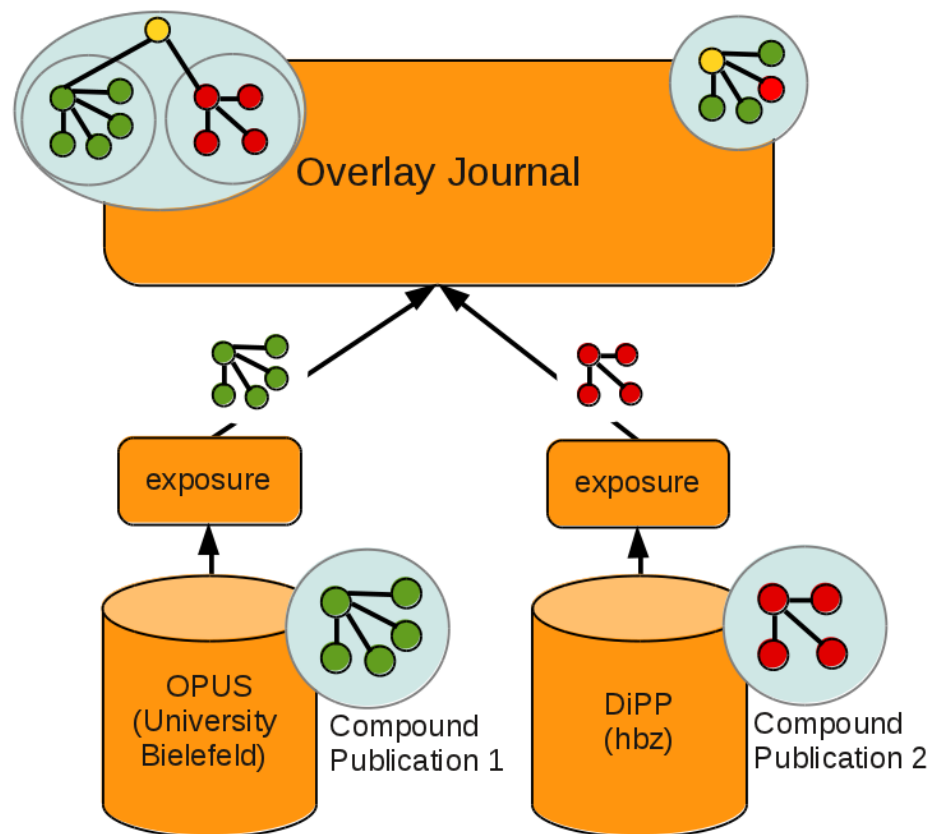
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# Summary

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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