Breakout Group
Content Aggregation and Networking Architectures

OAI5 – CERN, Geneva 19-APR-2007

Susanna Mornati and Wolfram Horstmann
A repository network „recipe“ (?)
Researchers generate knowledge

This is going to become an amazing paper

I only hope I will be able to access it
Knowledge is wrapped in publications
All publications in a repository
Aggregate with OAI-PMH
Feed back to research

OAI-PMH

Aggregator

application
Lift to an international scale
Mission accomplished?
DRIVER Inventory Study 2006 #1

Provided by Maurits van der Graaf
DRIVER Inventory Study 2006 #2

Types of textual materials

- articles: 54%
- books: 19%
- theses: 15%
- proceedings: 9%
- working papers: 5%

Provided by Maurits van der Graaf
Technical Problems

Building of Aggregations is not trivial!

• Implementation Variability
  – Full-text not homogeneously offered
    • metadata only, jump-off pages, authorization
    • full-text URLs in varying locations

• Architectural Variability
  – Local harvesting vs. aggregated harvesting
  – Multiple service providers not complementary
    • Google-Scholar, Oaister, BASE or citebase
Aggregation Scenarios #1

Aggregator

BE
NL
DE
UK
FR
Aggregation Scenarios #2
Aggregation Scenarios #3
Open Service Architecture
Software Infrastructure Test-Bed