Content aggregation and network architectures

Susanna Mornati & Wolfram Horstmann
OAI5, CERN, 19th April 2007
Content aggregation and network architectures

- Sticking yourself right between data providers and data consumers (Anne Zelenka, GigaOM, 21.1.2007):
What Is Web 2.0: Design Patterns and Business Models for the Next Generation of Software (Tim O'Reilly, 30.9.2005):
Content aggregation and network architectures

- Data can live in the space of the user instead of forcing the user to come to the space of the provider (Participatory Networks)
- OpenURL, COinS (specification for publishing OpenURL references in HTML, http://ocoins.info/), (e.g. LibX - Virginia Tech, http://www.libx.org/)
- RSS/Atom feeds
- unAPI (API to copy discrete content from any kind of web application, http://unapi.info/)
- Mashups
- Social tagging
- ID resolvers, registries
- Tailoring
Content aggregation and network architectures

- **Quædam cuiusdam**: the first COinS-PMH-compliant blog in the world
- This blog now contains COinS-PMH links; these links allow a suitable client to retrieve simple Dublin Core records for every posting using the OAI-PMH protocol.
Content aggregation and network architectures

- More complex architectures in the near future
- Awre-Swan, Linking UK repositories:
Content aggregation and network architectures

More issues:

- Full text: I’m not interested in metadata-only stuff
- Rights: ok, I’ve retrieved it, now how can I use it?
- I’ve found several links to the stuff I need, how do I know which is the latest version?
- I was looking for John Smith’s works, but I found 1'360'000 occurrences 😞