Dissertation Brief: Standards-based Interfaces for Harvesting and Obtaining Assets from Digital Repositories

Jeroen Baekert
University of Ghent, 2006
Presented by Keith Maull 12/5/2007
Background

- Problem:
  - Digital repositories are growing in size, content
  - Harvesting metadata well understood
  - Harvesting content not so clear
  - Frameworks for repositories exist and well understood

- Solution:
  - Repository framework: OAIS
  - Standards exist to address harvesting: OAI–PMH
  - Many metadata formats: MPEG–21
  - Resource framework: OpenURL
Structure of Dissertation

- Part 1: Background and setup
- Part 2: Experiments and results
- Part 3: Generalization and Broader Applicability
- Part 4: Conclusions
Experiments

- LANL internal
- APS external
- Sufficient proof of applicability in well understood environment (LANL)
- Test of concepts applicable to more ambiguous environment (APS)
- Mapping of all results back to core framework
Generalizations

- Address generalization in context of existing repository systems
- Methodically addresses strengths and weaknesses
- Addresses pitfalls and potential areas of concern as guidance when considering implementation in broader contexts
Thoughts

- Nice contribution to the field
  - Using standards is a good idea
  - Moving beyond metadata harvesting a necessity
  - Formats could be area of contention (MPEG-21)
- Well written and structured
- Well scoped and results can be studied, replicated and expanded (explored further)