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

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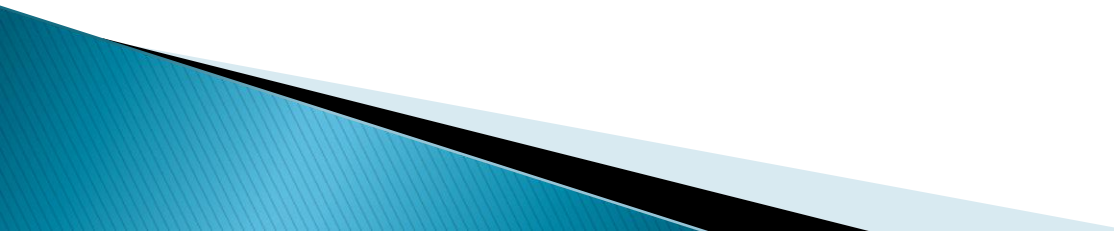Presented by Keith Maull 12/5/2007

# Background

- Problem :
  - Digital repositories are growing in size, content
  - Harvesting metadata well understood
  - Harvesting content not so clear
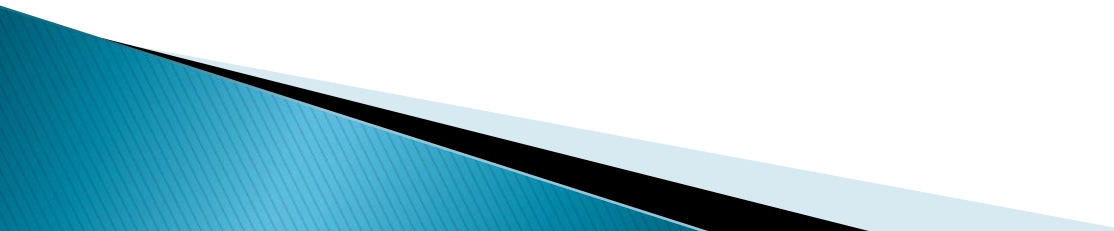  - Frameworks for repositories exist and well understood
- Solution :
  - Repository framework : OAIS
  - Standards exist to address harvesting : OAI-PMH
  - Many metadata formats : MPEG-21
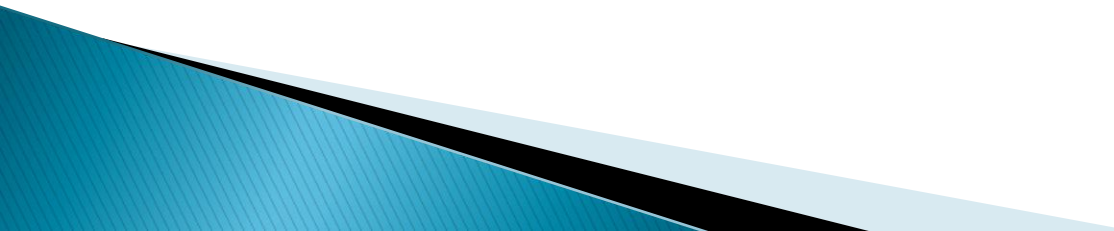  - Resource framework : OpenURL

# 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)