DRIVER: Digital Repository Infrastructure Vision for European Research

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Outline

• DRIVER
  – Motivations
  – Objectives
  – Achievements

• The role of Italy in DRIVER
PARTNERS
- Univ. of Athens (GR)
- Univ. of Gottingen (DE)
- CNR-ISTI (IT)
- STICHTING SURF (NL)
- Univ. of Nottingham (UK)
- [CNRS-CCSD (FR)]
- Univ. of Bath (UK)
- Univ. of Warszawski (PO)
- Univ. of Gent (BE)
- Univ. of Bielefeld (GE)
- Danish Technical University (DN)
- National and University Library (SL)
- University of Minho (PT)
Objective

Build and maintain a sustainable European infrastructure where content and functionality resources can be openly shared and integrated for use by any application or community.
Motivations:
Multiple institution sites

- High installation and maintenance cost for hardware and software
- Repeated efforts
- Disconnected repositories
Motivations:
Service providers

Functionality resources
- UI
- Search
- Index
- Information Space
- Aggregator

Content resources
- OAI-PMH
- Institution Site
Motivations:
Institutional, National and Thematic service providers

- High installation and maintenance cost for hardware and software
- Repeated efforts
- Disconnected repositories
- Sometimes desired policy
- Often undesirable
 DRIVER e-Infrastructure Vision

Moving from building individual repositories or repository clusters, one at a time, repeating “things” again and again, to building an INFRASTRUCTURE, able to facilitate the above.
Main Activities:
building the e-Infrastructure
DRIVER Infrastructure
Building through sharing
Main Activities:
Building the organization

- Very variegated situation across Europe
  - Few National initiatives
  - Multiple competing organizations and/or sparse repositories
  - Different policies and procedures

Actions:

- Identify an appropriate organisation, a set of agreed (harmonised) policies and a systematic approach to the sharing of repository content at European level

- Community Building
• Confederation for European Digital Repositories
  (lead by Univ. of Goettingen)
Hierarchical organization
Current DRIVER content

117 repositories
Current DRIVER deployment
Next steps

• From a test-bed to a production infrastructure
• From metadata and textual documents to compound objects and data
• Towards a European Repository Confederation
Italy in DRIVER

• PUMA’s repositories are registered in DRIVER

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http://www.driver-community.eu/