DRIVER: Digital Repository Infrastructure Vision for European Research

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Outline

• DRIVER
  – Motivations
  – Objectives
  – Achievements

• The role of Italy in DRIVER
DRIVER

FP6: Phase 1
- **Period:** Jun ‘06 – Nov ‘08
- **EU Financing:** 1.8M

FP7: Phase 2
- **Period:** Dec ‘07-Nov’09
- **EU Financing:** 2.7M

(Géant and) Research Infrastructures

- **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

[Diagram showing the flow of information from Institution Site through OAI-PMH to UI, Search, Index, Information Space, and Aggregator, ultimately leading to Content resources.]
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

- ETD portal
- DRIVER portal
- FRENCH portal

- OAI-PMH
- Institution Site

- Registration
- Preservation
- Monitoring
- Personalization
- Aggregation
- Access
- Discovery

- Notification
- User management
- Quality

- 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
Organisation

• Confederation for European Digital Repositories
  (lead by Univ. of Goettingen)
Hierarchical organization

European Repository Confederation

National Center

National Center

Thematic Center

Institutional Center1

Institutional Center2

Institutional Center3

Rep1

Rep2

Rep3

Rep4

Rep5

Rep6

Rep7

Rep8

Rep9
Current DRIVER content

117 repositories
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/