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
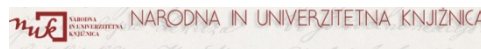– **Period:** Jun '06 – Nov '08
– **EU Financing**: 1.8M

FP7: Phase 2
– **Period:** Dec '07-Nov'09
– **EU Financing**: 2.7M
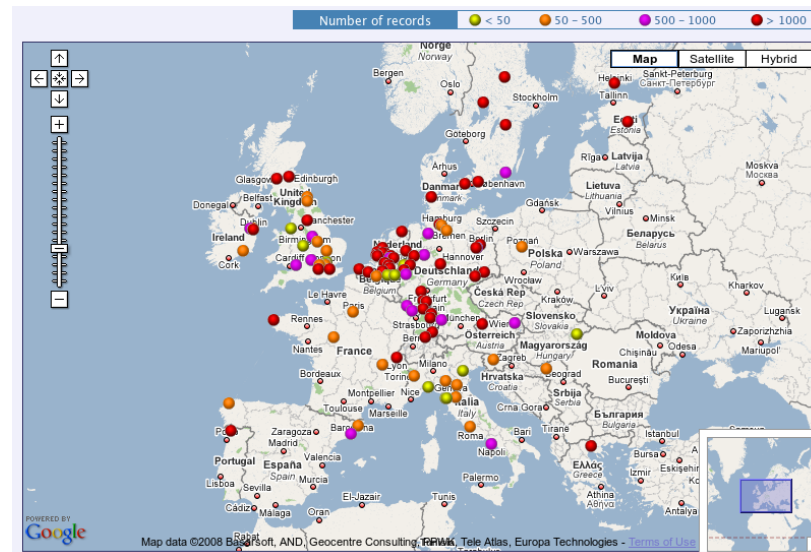
(Géant and) Research Infrastructures

- **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)**
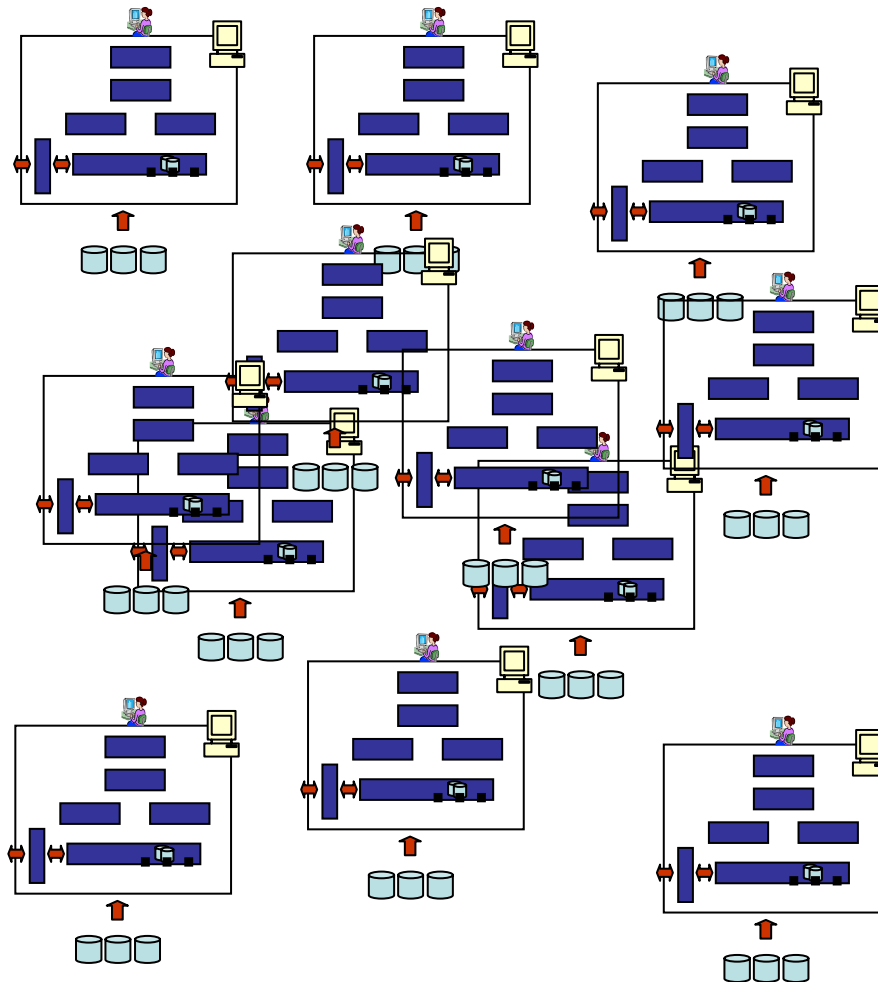 – **University of Minho (PT)**

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
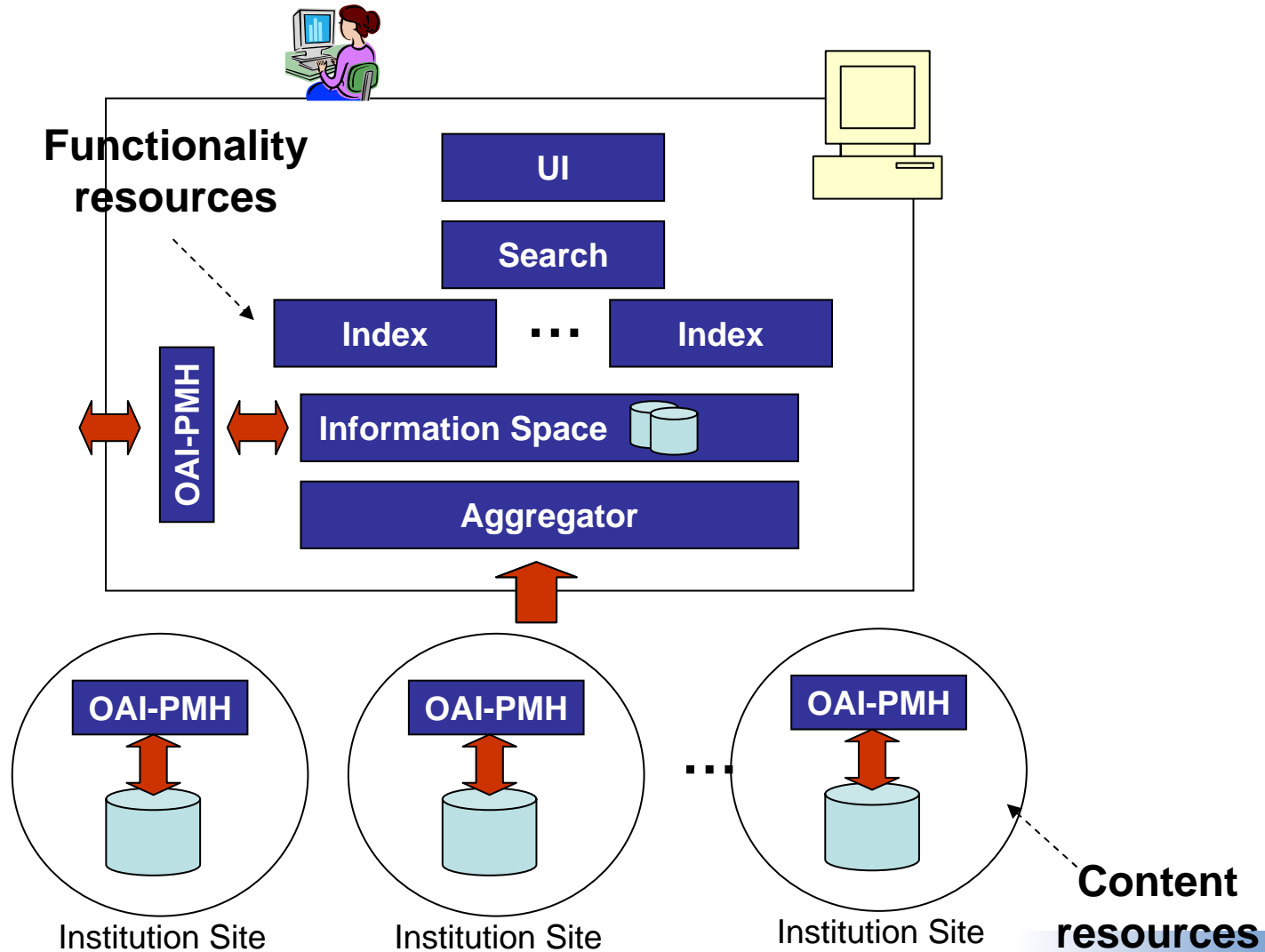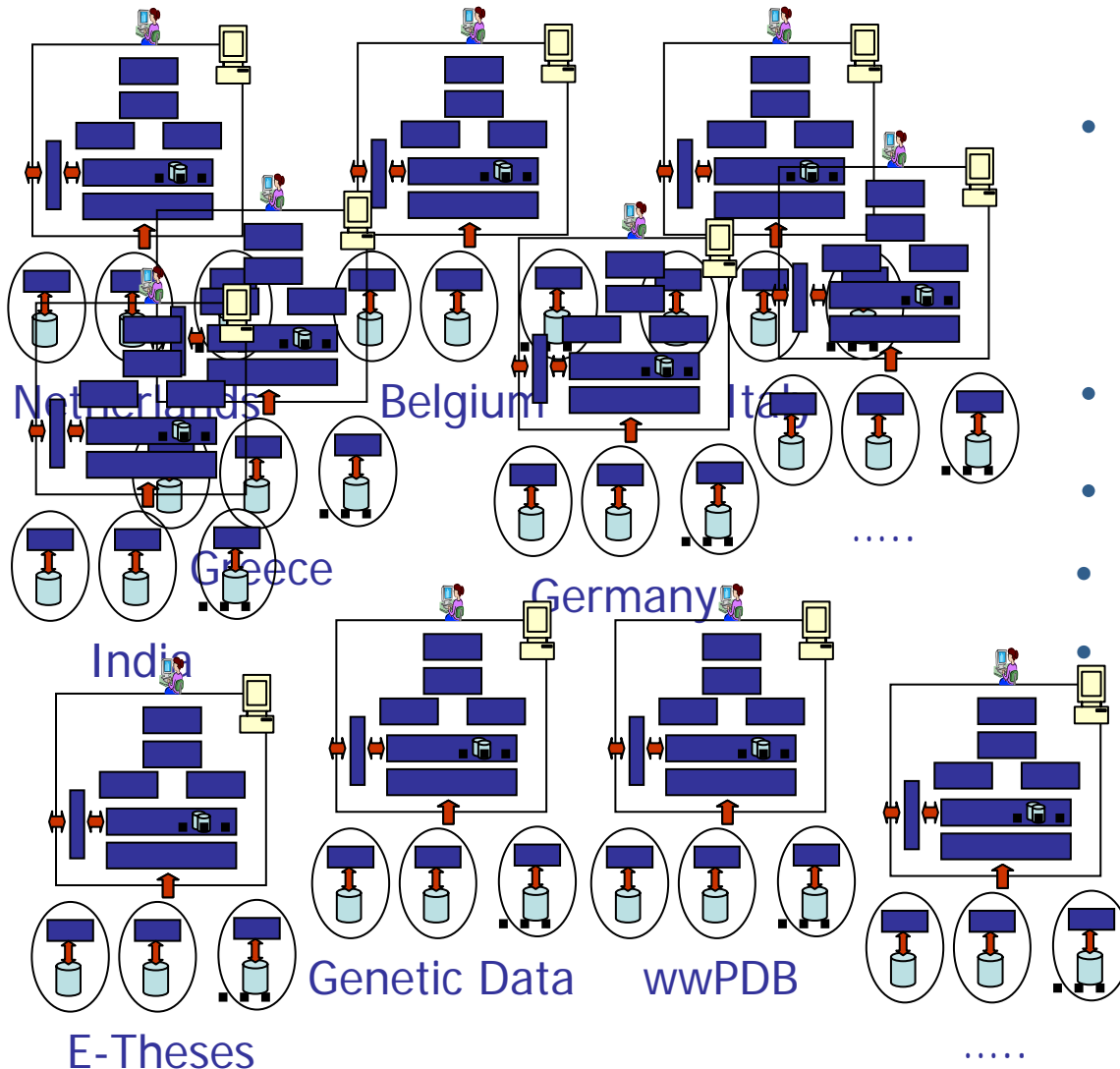
Motivations:
Multiple institution sites

- High installation and maintenance cost for hardware and software

- Repeated efforts

- Disconnected repositories

driver

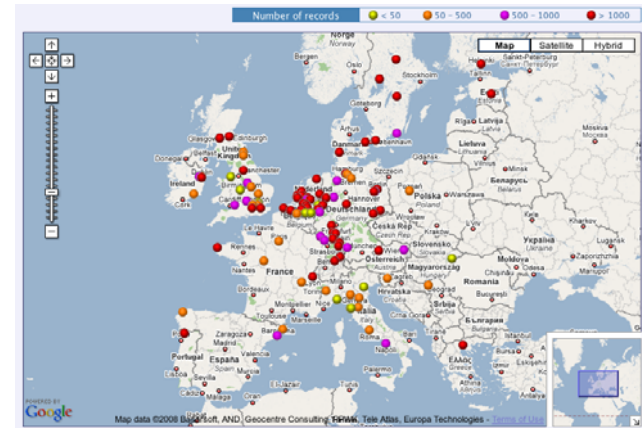# *Motivations:*
Service providers

Motivations:
Institutional, National and Thematic service providers

Netherlands   Belgium   Italy

Greece

India   Germany

E-Theses

Genetic Data   wwPDB

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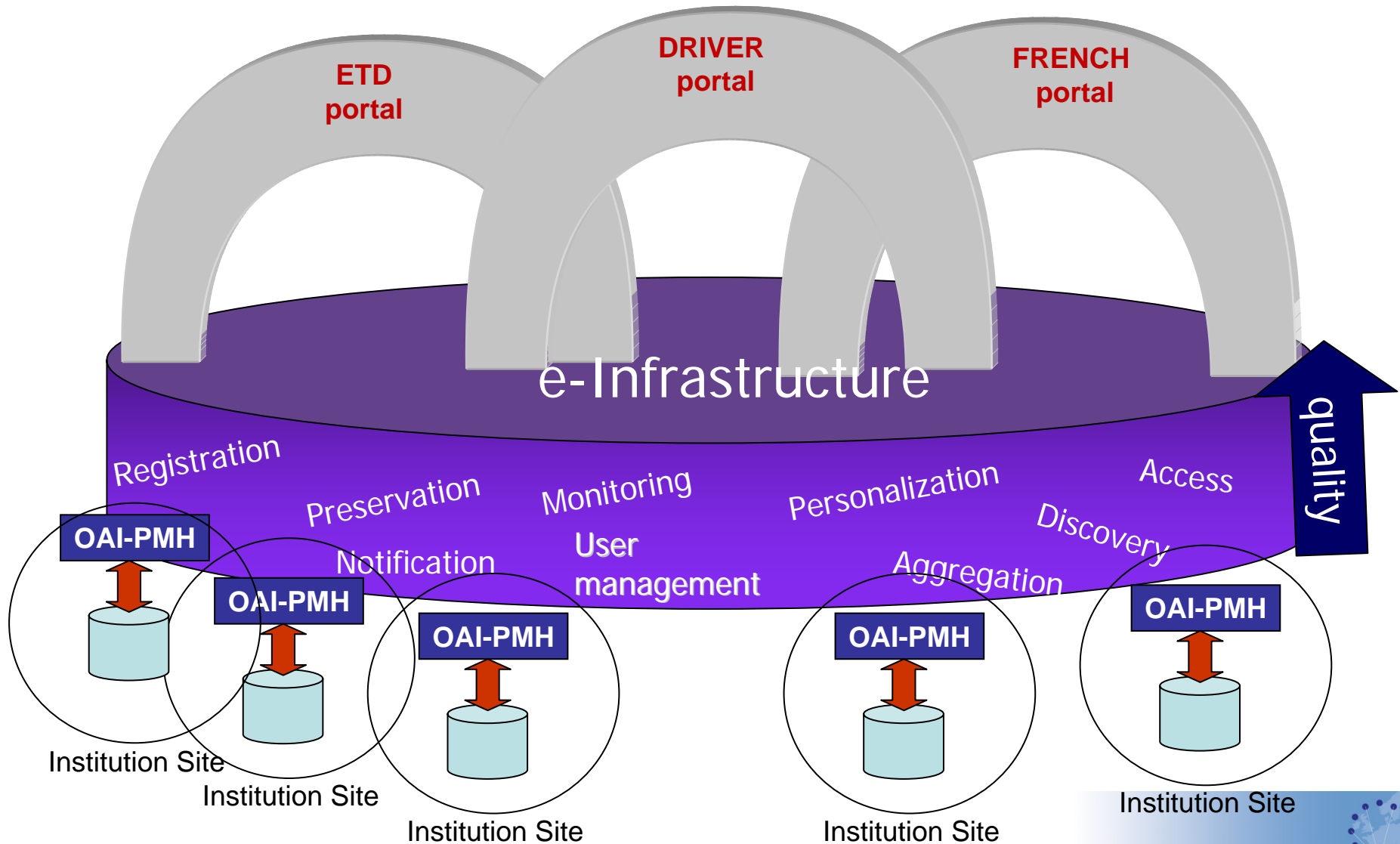- Often undesirable

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,
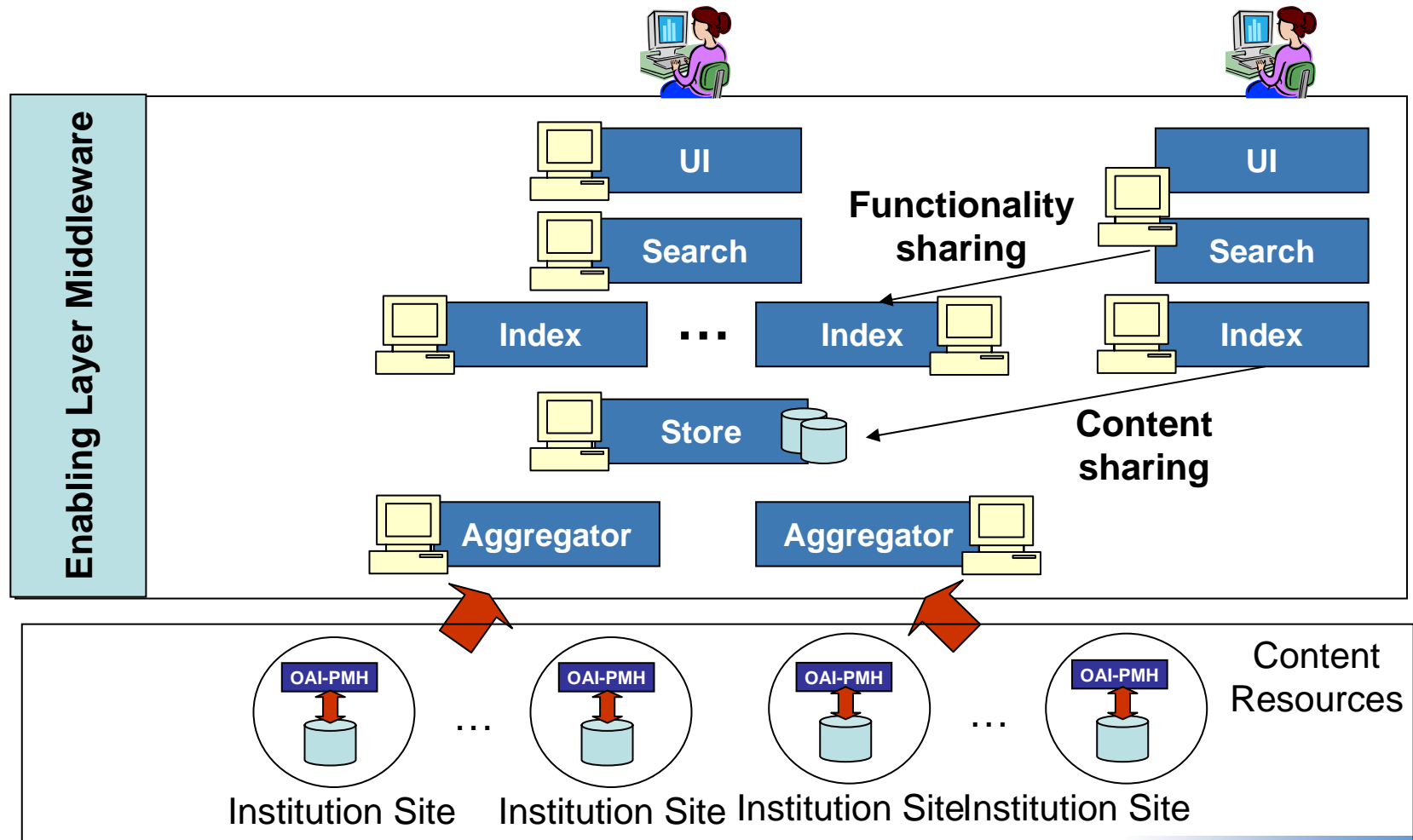able to facilitate the above

Main Activities:
building the e-Infrastructure

DRIVER Infrastructure
Building through sharing

Main Activities:
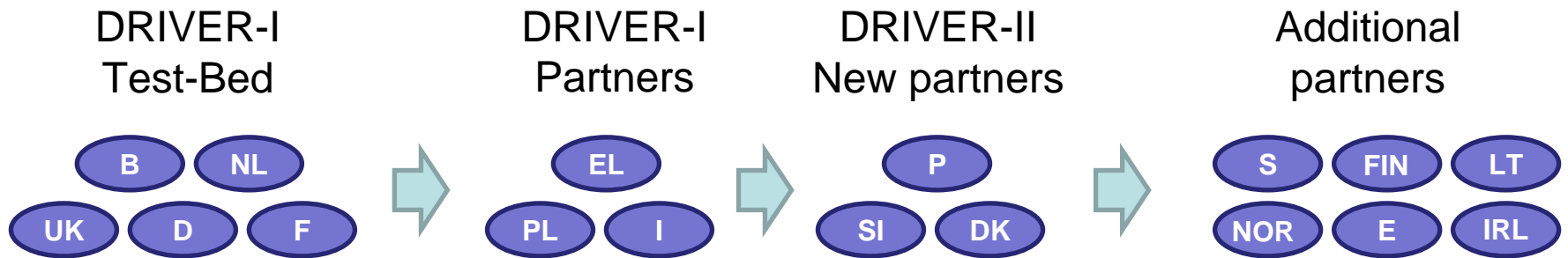## *Building the organization*

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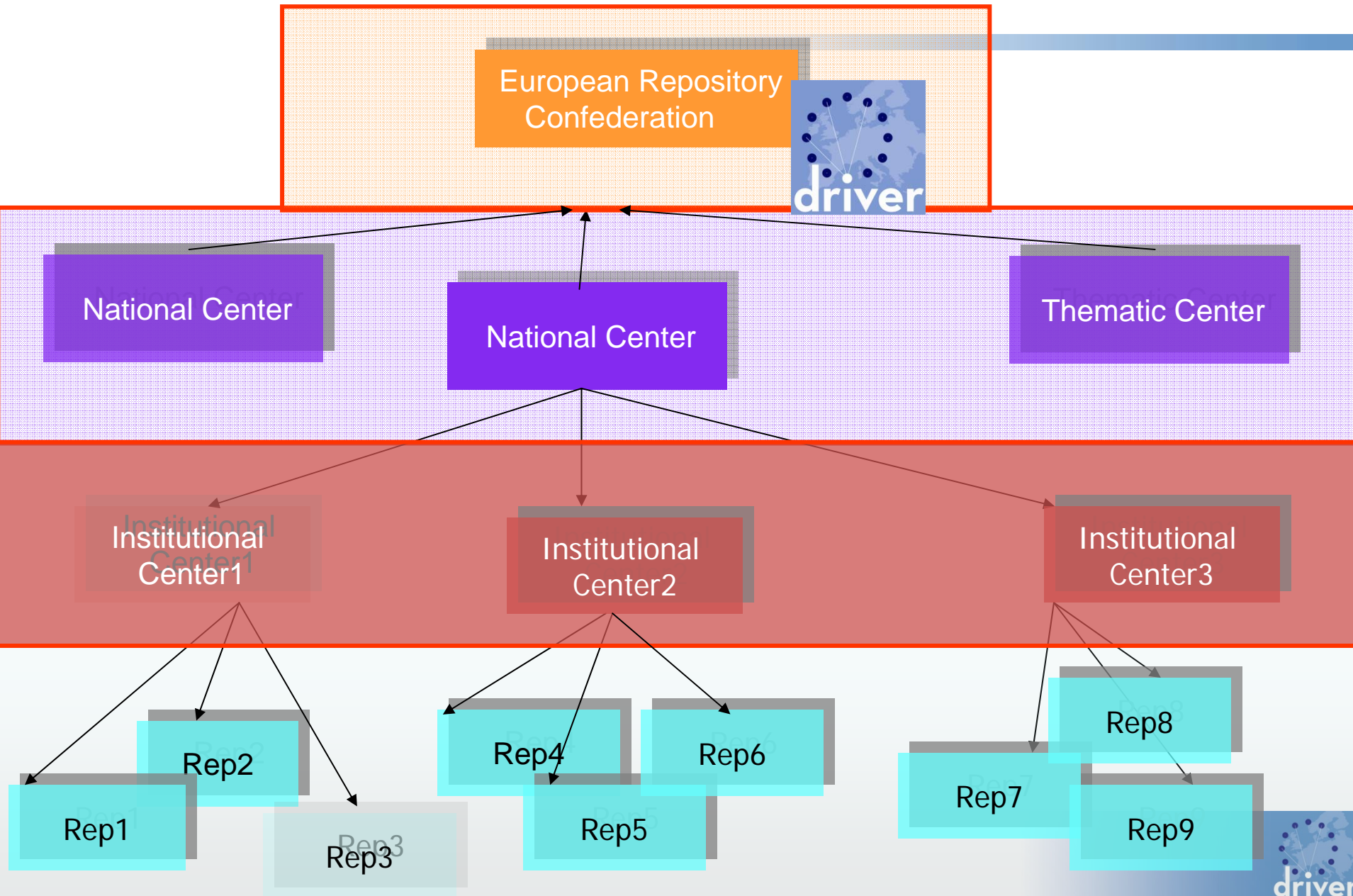 - Different policies and procedures

Actions:

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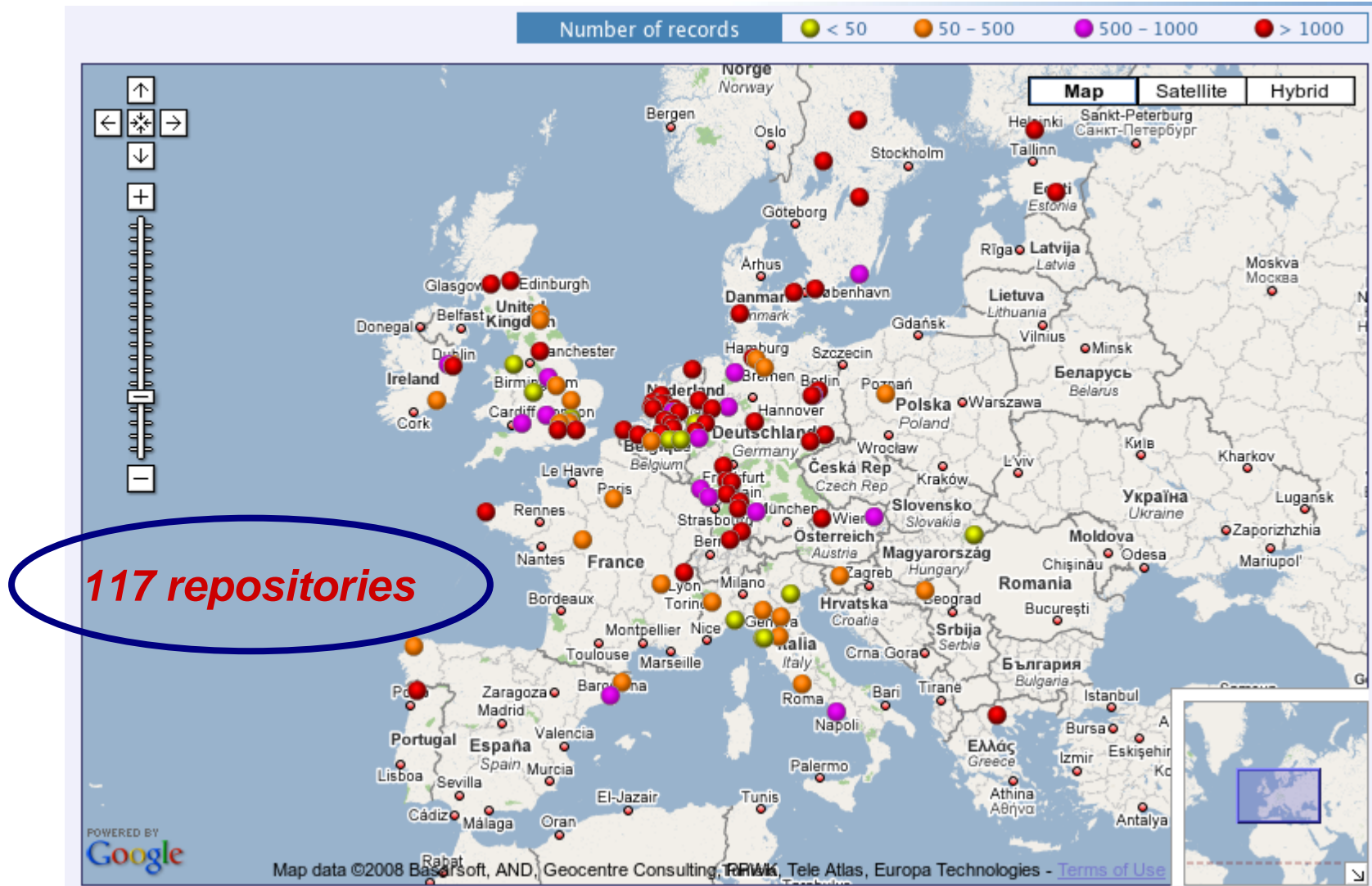
- **Community Building**

driver

Organisation

- **Confederation for European Digital Repositories**
  (lead by Univ. of Goettingen)

DRIVER-I Test-Bed	DRIVER-I Partners	DRIVER-II New partners	Additional partners
B NL UK D F	EL PL I	P SI DK	S FIN LT NOR E IRL

Hierarchical organization

Current DRIVER content

117 repositories
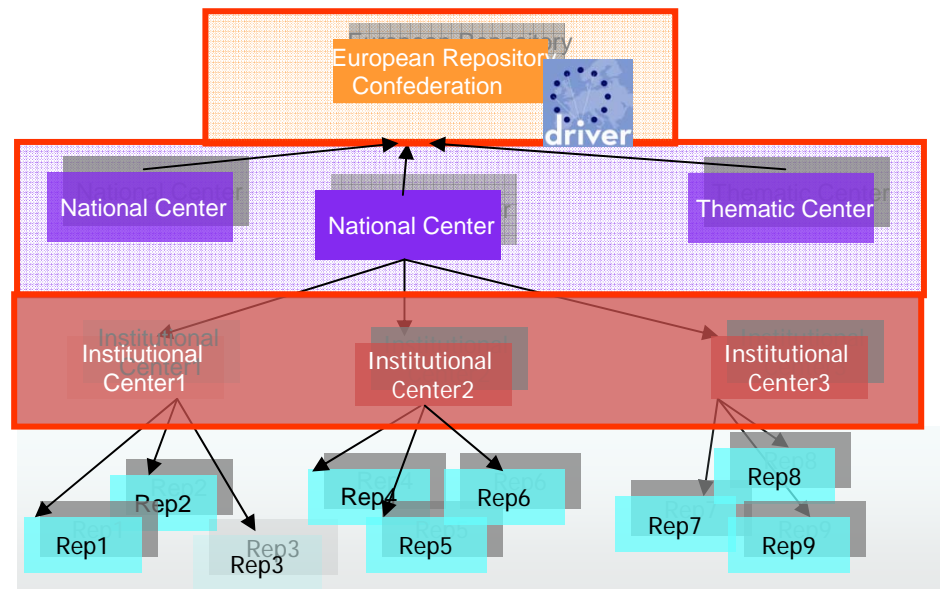
Current DRIVER deployment

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/