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ISTI-CNR PISA

PUMA & MetaPub
Open Access to Italian CNR

the European Digital Repository Infrastructure

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DRIVER
PUMA & METAPUB

- ✓ **DRIVER: Digital Repository Infrastructure Vision for European Research**

- ✓ **PUMA Publication Management System**

- ✓ **METAPUB & OAI**

DRIVER

Digital Repository Infrastructure Vision for European Research

✓ **EU-funded project which is building a test-bed for a future knowledge infrastructure of the European Research Area.**

✓ **DRIVER responds to the vision that any form of scientific-content resources should be freely accessible through simple Internet-based infrastructures, thus responding to the Open Archive Initiative.**

DRIVER PARTNERS

driver — Digital Repository Infrastructure Vision for European Research

The original partnership of 10 EU partners:

- ✓ **Univ.of Athens(GR)**
- ✓ **Univ. of Bielefeld (GE)**
- ✓ **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 Gottingen (GE)**

DRIVER
I and II (7thFP)

✓ **The initial phase of DRIVER focused on the support of institutional repositories and textual content in repositories.**

✓ **DRIVER II follows on from this and will focus on the development and enhancement of services for specific communities.**

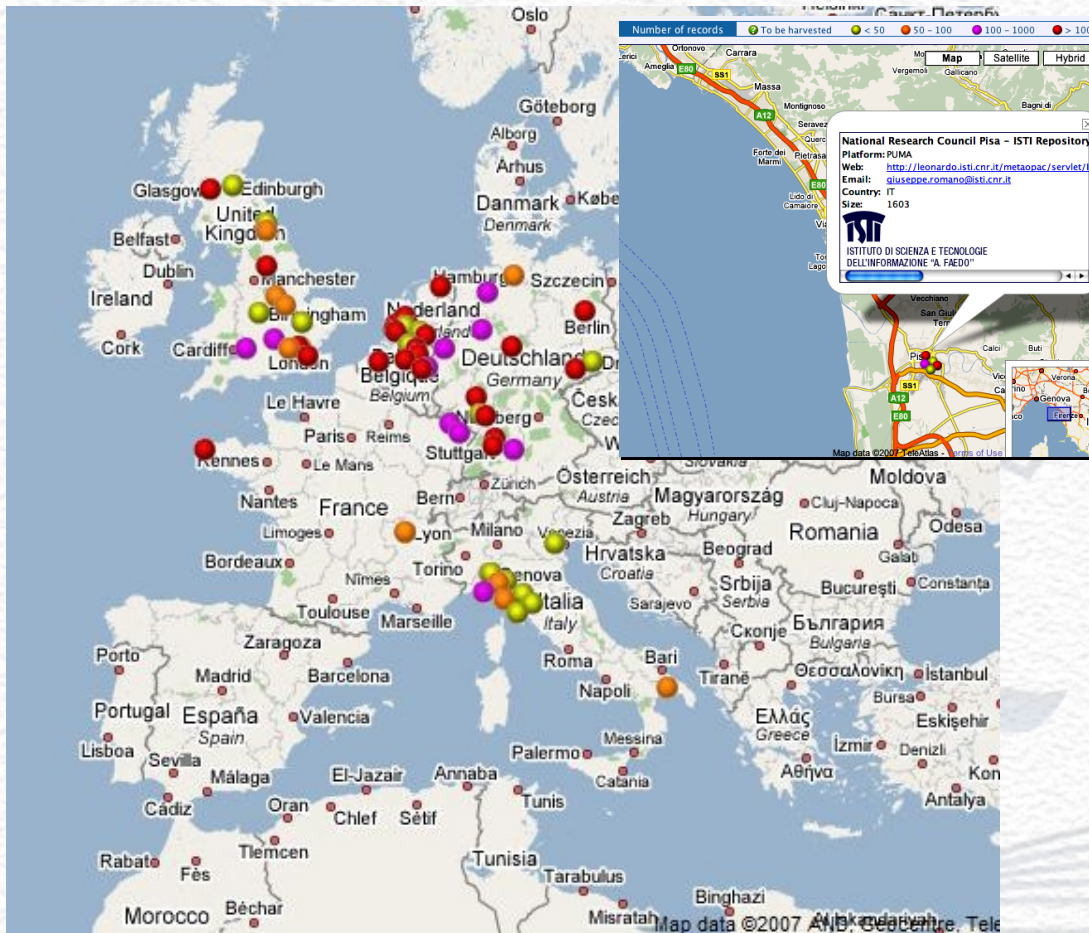✓ **The technical focus will expand to also include the management of complex objects such as data and multimedia.**

DRIVER OBJECTIVES

✓ **To develop a test-bed for integrating existing national, regional and thematic repositories in order to create a** production-quality European Repository Infrastructure**. This infrastructure will make accessible worldwide, through an initial set of advanced services, these repositories** virtually organised and structured according to the needs of different user communities**;**

✓ **To identify and promote the use of a relevant set of standards;**

✓ **To prepare the future expansion and upgrade of a Digital Repository Infrastructure across Europe and to ensure widest possible user involvement .**

PUMA
DRIVER

The Publication Management System (PUMA) is the first step towards creating an Italian network of CNR Institutional repositories, looking at the DRIVER vision

✓ **PUMA is a software infrastructure, user focused and service oriented, developed by the Institute of Information Science and Technologies (ISTI-CNR).**

✓ **It presently manages 22 CNR institutional repositories that contain about 5200 documents covering different disciplines.**

Repositories and collections are growing daily

PUMA
DOCUMENTS

QuickTime™ e un
decompressore TIFF
sono necessari per visuali

| A0 International Journal |
| B0 National Journal |
| A1 Contribution to International Book/Monograph |
| B1 Contribution to National Book/Monograph |
| A1 International Book/Monograph |
| B1 National Book/Monograph |
| A2 International Conference |
| B2 National Conference |
| A6 International Conference Abstract/Poster |
| B6 National Conference Abstract/Poster |
| A7 International Journal Abstract |
| B7 National Journal Abstract |
| ED Editorial |
| A3 International Conference communication/abstract/poster |
| B3 National Conference communication/abstract/poster |
| B4 Internal note |
| B5 Other |
| EC Deliverable |
| PHD Thesis |
| PP Pre Print |
| PR Project Report |
| TH Thesis |
| TR Technical Report |
| BV Patent |

PUMA
FUNCTIONALITIES

- ✓ **The system functionalities are oriented to meet the requirements of CNR researchers by**
  - ✓ **facilitating their self-archiving,**
  - ✓ **helping them to associate access right to the full text,**
  - ✓ **ensuring the preservation of their documents,**
  - ✓ **providing world wide easy web access to their papers,**
  - ✓ **permitting them to manipulate the stored content to fulfill scientific and administrative issues.**

PUMA
FUNCTIONALITIES

- ✓ **It offers a common user interface, both in English and in Italian to**

- ✓ **self-archive and publish**
- ✓ **search,**
- ✓ **browse,**
- ✓ **download, (when it is permitted),**

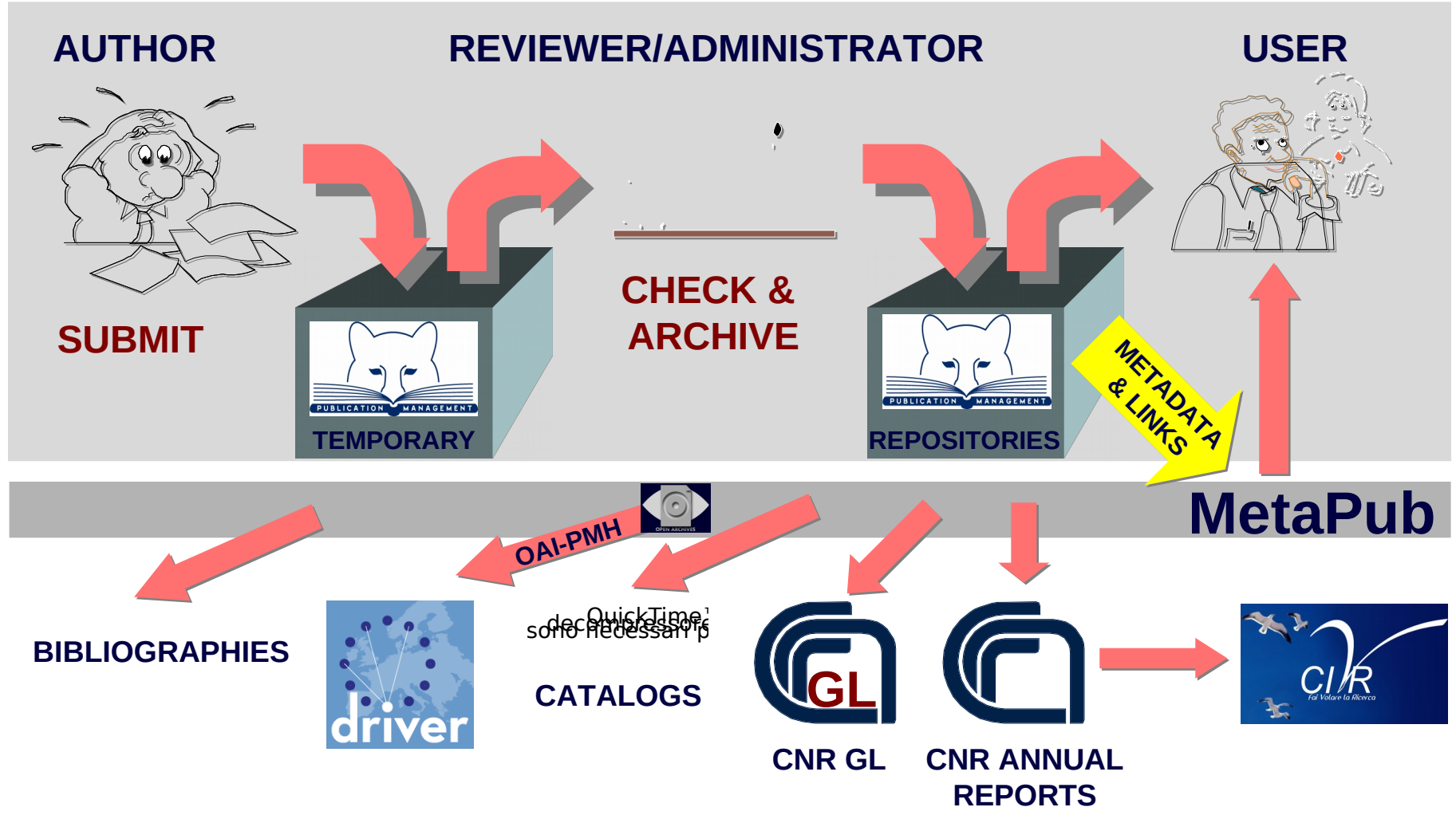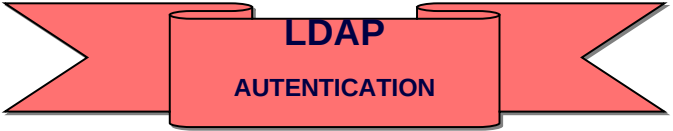**It allows users to search single or all repositories contemporary.**

PUMA
FUNCTIONALITIES

- ✓ **PUMA supports administrators and librarians and/or reviewers in performing technical, documentary and quality control before documents are included into the repository.**

- ✓ **The access to the various administration services is controlled, at the different levels, by LDAP server or IP address and by user name and password.**

PUMA
THE SYSTEM

LDAP
AUTENTICATION

AUTHOR

REVIEWER/ADMINISTRATOR

USER

SUBMIT

TEMPORARY

CHECK & ARCHIVE

REPOSITORIES

METADATA & LINKS

MetaPub

OAI-PMH

QuickTime™
decompressore
sono necessari p

BIBLIOGRAPHIES

driver

CATALOGS

CNR GL

CNR ANNUAL REPORTS

- ✓ **Special functions are provided by the additional software module MetaPub that uses repository content to deliver different bibliographic and administrative services.**

- ✓ **MetaPub also opens PUMA repositories to the OAI world by implementing the OAI-PMH protocol.**
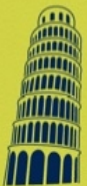
Today Italian CNR repositories can be harvested by DRIVER

puma.isti.cnr.it
www.driver-repositry.eu
test.driver-repository.eu

DIGITAL LIBRARY GROUP

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