

PUMA & MetaPub: Open Access to Italian CNR repositories in the Perspective of the European Digital Repository Infrastructure

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The DRIVER project is realizing an infrastructure through which any form of scientific-content resource, including scientific/technical reports, research articles, experimental or observational data, rich media and other digital objects will be freely accessible, thus responding to the Open Archive Initiative vision. The project is funded by the European Commission under the auspices of the "Research Infrastructure" unit and it is building upon existing institutional repositories and networks (www.driver-repository.eu).

The Publication Management System (PUMA) <<http://puma.isti.cnr.it>> we are presenting here is the first step towards creating an Italian network of institutional repositories, looking at the DRIVER vision.

PUMA is a software infrastructure, user focussed 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.

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

PUMA offers a common user interface, both in English and in Italian, to Search, Browse and Self-archiving. Authors can submit document metadata (qualified DC + administrative metadata) and document full text; they are also enabled to associate access rights to the text of their documents and are responsible for their dissemination. PUMA let administrators and librarians and/or reviewers to perform 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.

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 (harvesting is allowed under authorization).

