



# OPEN ACCESS TO GREY LITERATURE: THE PUMA SERVICE

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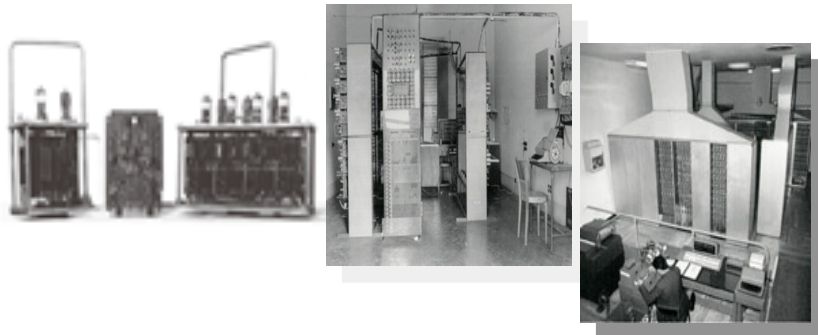
ISTITUTO DI SCIENZA E TECNOLOGIE DELL'INFORMAZIONE «A. FAEDO» - CONSIGLIO NAZIONALE DELLE RICERCHE

## THE ORIGINS...

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

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

The origins of ISTI are to be traced back to CSCE, the Center for the Study of Electronic Computers established with the specific purpose of designing and building the first electronic computer entirely built in Italy: the CEP, standing for “Pisan Electronic Computer”.

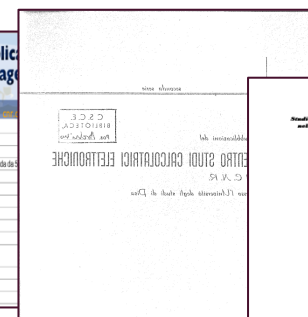
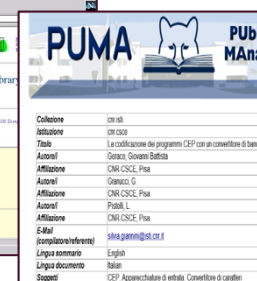
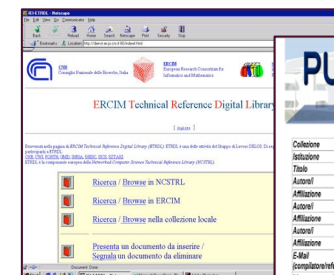
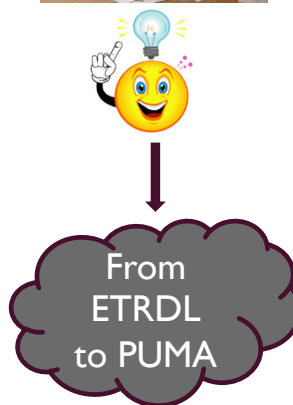
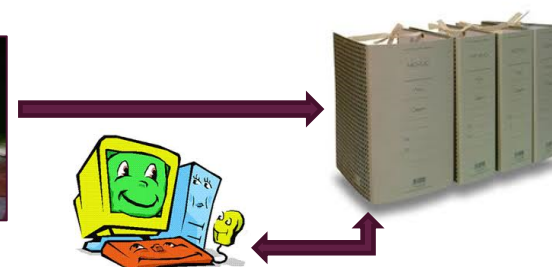


<http://csce.isti.cnr.it/>

# THE DOCUMENTS MANAGEMENT AT ISTI LIBRARY: *IT'S A LONG HISTORY...*

## *ISTI documents management: step by step*

- 1954-1970s storing of paper documents
- 1970s-1990s storing of paper documents and creation of the first electronic catalogue
- 1990s-2000s storing of paper documents, upgrading of the electronic catalogue, managing and archiving of the first Grey digital documents by ETRDL
- 2000s-... ...upgrading of the electronic catalogue and archiving of digital documents by PUMA
- 2004-... ...recovery and digitization of previous documents as part of the UNSC national project - *A CNR Digital Library for Science and Technology: from the prototype to the service*



Repositories and collections are growing daily

# PUMA – PUBLICATIONS MANAGEMENT [HTTP://PUMA.ISTI.CNR.IT](http://puma.isti.cnr.it)

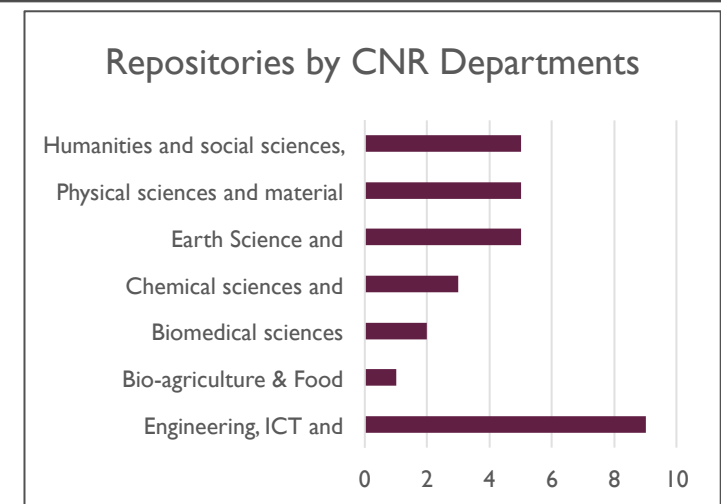
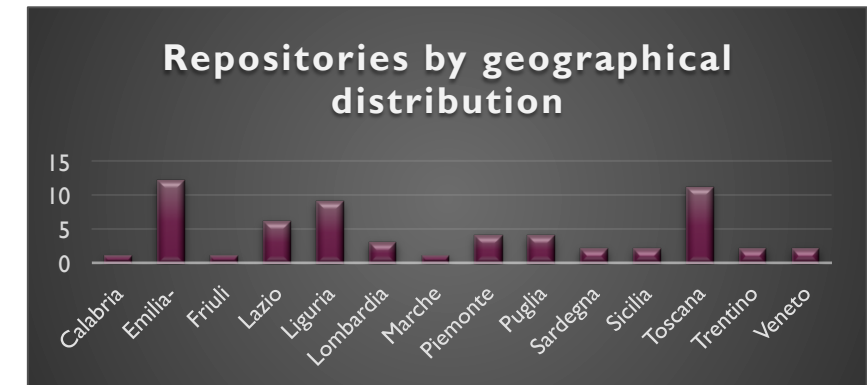
The aim of PUMA is to assist scientists to make their research results immediately available world-wide and provides them with appropriate on-line facilities to access the technical/scientific documentation of others working in the same field.

It presently manages 33 CNR repositories produced by Institutes spread all over the country. Each Institution has its own Collections.

The repository contents cover most of the CNR thematic areas.

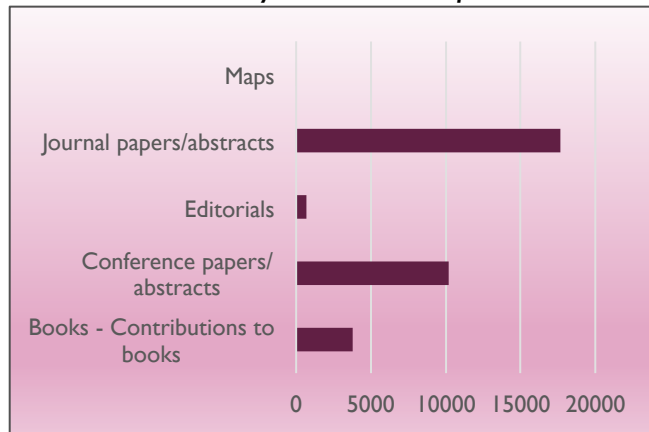
## The information lifecycle in PUMA

- Digital documents and their descriptions (metadata) are auto-archived by the author using a common interface.
- The librarian provides to verify the quality of the data and is responsible to assigning the Document Identification Number (DocID). Correct documents are submitted directly to the system.
- The system allows to do queries, consult the different types of lists, read or download the open access documents included in the Repository

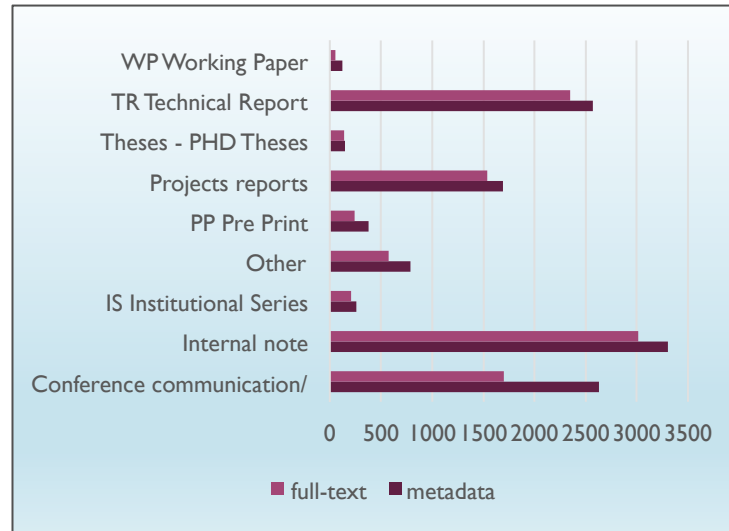


# PUMA – THE CONTENTS

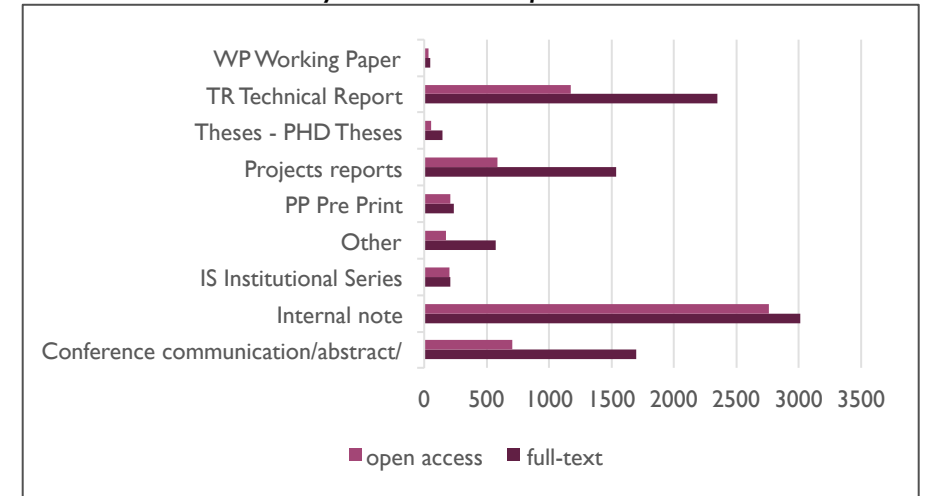
Publications by commercial publishers



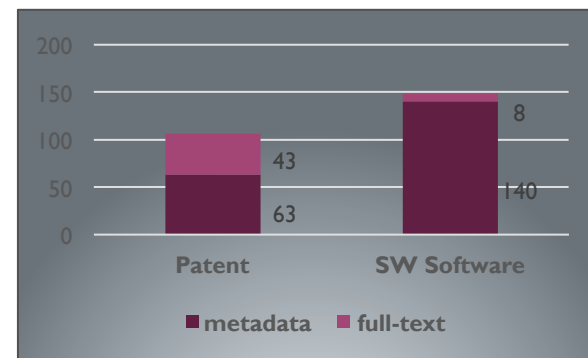
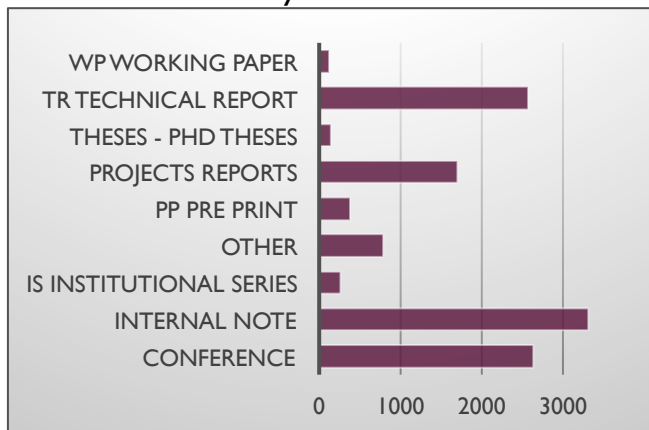
Grey literature – full text



Grey literature – open access



Grey literature



Grey literature – PUMA special collections

- ❖ GreyGuide – an online forum and repository of good practice in the field of grey literature
- ❖ CSCE – digital archives of the CEP (1954-1968)
- ❖ GEO – digital thematic archives in the fields of hydrogeology and geothermal energy
- ❖ LVDL and MECME – two digital thematic archives relating to studies on the Lagoon of Venice and on the field of marine biology and oceanography

# PUMA: AN OPEN SYSTEM

- The Repository contains 44.425 bibliographic descriptions
- 80% of Grey Literature bibliographic descriptions have its own digital version of the work 80% .The percentage of entries and of digital and open access documents is growing daily.
- PUMA is compliant with the guidelines of **DRIVER** and **DRIVER II**, the "Digital Repository Infrastructure Vision for European Research" projects. In this vision any form of scientific-content resource, including scientific/technical reports, research articles, experimental or observational data, rich media and other digital objects should be freely accessible through simple Internet-based infrastructures.
- PUMA is able to manage and storage all information pertaining to the research projects funded by the European Commission.
- Special functions are provided by the additional software module MetaPub that uses repository content to delivery different bibliographic and administrative services.
- MetaPub and PUMA open the repositories to the OAI world by implementing the OAI-PMH protocol (harvesting is allowed under authorization). It makes PUMA an Open System with an access and an international diffusion.
- PUMA contents are harvested by **Openaire**, that supports an infrastructure with more than 8 millions of OA publications linked to funding-datasets-organizations-people.



THANK YOU!