



E-@NT: Antarctic Open Archive

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Goal E-@NT project will create an electronic repository for PNRA scientific production in Antarctic sciences, to guarantee conservation, classification, evaluation and the best diffusion in the scientific community.

We plan to complete the repository structure in ten months after the final approval of the board of directors of PNRA and have it ready for submission after a test of two months.

Changing of electronic publishing

The world of academic publishing is undergoing many changes. Everywhere paper-based publishing is being replaced by electronic archives and ink printing by bits. Unrestricted (web) access to many resources is becoming a fundamental feature of the academic research environment, as shown by the pre-print and genome databases. Traditional publishing houses have been slow in understanding this shift and are only now reacting accordingly. They are unwilling to switch to a new model, especially because it is still unclear how profit can be made from the web publishing market. So far, the compromise has been to charge the same subscription rates as in the past while throwing in web access to some of the same information that is sold on paper. This is not going to work for two reasons:

- access to basic information is recognized as a free commodity not to be negotiated or paid for. Accordingly, more and more of the same information is provided freely on the web and charging for it has become very unpopular;
- very often the offered web version contains almost nothing more than what is available for free or on the paper version and is therefore rarely accessed, if at all.

Open Archives for sharing information

- Each document is described by standard metadata that can be collected by harvesting procedures
- "Open" archive: harvesting spiders ("service providers") can index metadata collected in selected repositories by harvesting procedures
- An OAI-compliant (Open Archive Initiative) repository is called "data provider"
- An Open archive is also Dublin Core compliant, for sharing information with other Information retrieval systems (OPAC, web crawlers, RSS-Feed...)

Institutional cooperation for institutional repository

PNRA-INGV libraries cooperation

- Manage central resources:
 - to subsidize repository start up
 - to support repositories with technical / organizational infrastructures
 - to deal effectively with preservation issues over the long term
- Benefits for the institutions involved will be:
 - improving their profile and prestige
 - managing institutional information assets
 - encouraging an institutional identity in intellectual output

What is an institutional repository?

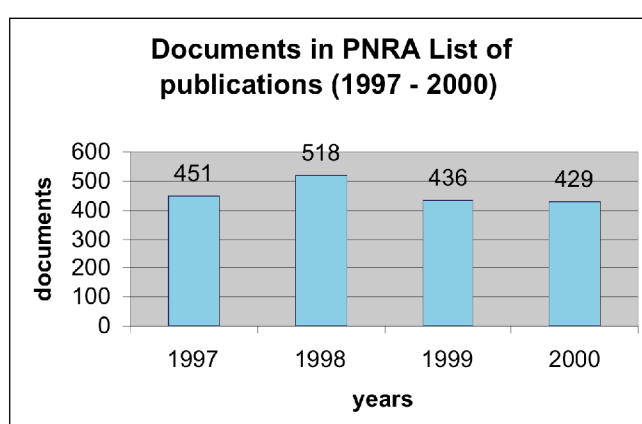
- Institutional repository is a digital document collection for gathering and preserving intellectual production of the scientific community.
- It is the natural extension of the responsibility of scientific institutions to generate primary research.
- It is potentially the fundamental ingredient for the evolution of the scientific and scholarly communication.

What can it do?

- It offers strategic solutions to the electronic publishing and to the communication in these fields
- It stimulates the growth of a new structure of disaggregate publishing
- It is excellence factor for the institutions involved
- It increases their prestige and their value

The PNRA Bibliography


- By now, documents are listed in "PNRA list of publications", annually published by PNRA Library.
- The library collects and preserves more than 300 items per year (see graph).



- The first implementation of E-@NT will be made by digitizing papers in the Geophysics sector (about 350 docs).

Future home page of the archive

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**Welcome to E-@NT**
E-prints in Antarctic Sciences

E-@NT is an open access archive for scientific or technical documents, published or unpublished, on Antarctic sciences, and related application activities. E-@NT is the institutional repository of PNRA researchers's products. Archive's goal is to promote communication in this field by the rapid dissemination of papers. Eprints for US has been established as a community service by PNRA S.C.r.l. Library (Italian National Antarctic Research Program) and INGV Library (National Institute of Geophysics and Volcanology) to promote open access to papers on these fields.

For all users

- Simple Search**
Using the most common fields.
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- Latest Additions**
Items added in the last week.
- Register**
You should register first before submitting documents. Forgot your [user password](#)?

E-@NT is running on EPrints2 archive-creating software, which generates eprints archives that are compliant with the Open Archives Protocol for Metadata Harvesting OAI 2.0. The eprints.org archive-creating software is available for free at <http://www.eprints.org/>.

By now, there are **455** articles in our Archive.

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