The role of the Academic Libraries to the preservation of the cultural heritage: Institutional Repositories 8 - 9 May 2006, Thessaloniki

Psepheda - Ψηφίδα
http://dspace.lib.uom.gr/
DSpace at University of Macedonia Library & Information Centre

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Psepheda - Ψηφίδα

- Ψηφίδα in Greek means tessera (used to build mosaics). We use it as an acronym for ΨΗΦιακή ΒΙβλιοθήκη & ΙΔρυματικό Αποθετήριο (Digital Library & Institutional Repository).

- Our website is http://dspace.lib.uom.gr. It is maintained by the Library & Information Centre <http://www.lib.uom.gr/> of the University of Macedonia<http://www.uom.gr> in Thessaloniki, Greece.
Psepheda is a project co-funded by the EU and the Greek Ministry of Education:

**OPEIVT II**

**PROJECT**

**PLOEGIS: FROM INFORMATION TO KNOWLEDGE**

3rd CSF** / OPEIVT II / ACTION 2.1.3 d

Co-funding: 75% European Union (ESF***)

and 25% National Resources (Ministry of Education / MA**** OPEIVT)

*OPEIVT II*: Operational Programme for Education and Initial Vocational Training II

**CSF**: Community Support Framework

***ESF**: European Social Fund

****MA**: Managing Authority
What is included in Psepheda?

- Psepheda is a work in progress, soon to be released to the public.
- So far, we have included:
  - the *South-Eastern Europe Journal of Economics*, published by the ASECU (<http://www.asecu.gr>), the Association of South-Eastern Europe Economic Universities.
  - Scanned booklets of speeches given in previous years at the University
  - The library’s newsletters
  - Scanned articles from the University’s scientific yearbook and serial publication of speeches given by University professors in other cities
  - We are in the process of signing agreements with the publishers of 2 Greek scientific journals. Scanning of one title is already under way.
What is included in Psepheda?

- Our Institutional Repository includes for the time being, PhD theses for which we have requested and obtained written permission from the authors. Metadata used for theses are described in our application profile, [http://dspace.lib.uom.gr/applicationprofile.jsp](http://dspace.lib.uom.gr/applicationprofile.jsp)
- MSc dissertations will also be included.
- Right now we are trying to promote Open Access at the University by presenting the issue to the Rector and Vice-Rectors.
What is included in Psepheda?

- We will soon include digitized textbooks that will be accessible only by our students with visual impairment.

- We are planning to digitize decisions of the past 5 years made by the University Senate and the Rectors’ Council. These decisions will be accessible by university staff.

- Our plans include the digitization and archiving of the University’s Archive in Psepheda.
Introducing Dspace

- DSpace is a groundbreaking digital repository system that captures, stores, indexes, preserves, and redistributes an organization’s research data.
- Jointly developed by MIT Libraries and Hewlett-Packard Labs, the DSpace software platform serves a variety of digital archiving needs such as:
  - Institutional Repositories (IRs)
  - Learning Object Repositories (LORs)
  - eTheses
  - Electronic Records Management (ERM)
  - Digital Preservation
  - Publishing
  - and more

http://dspace.org/introduction/index.html
Introducing Dspace

Our primary aim was to build a digital library that would host two Greek journals. The titles would have to be included in our print collection and we would have to scan them after getting permission from the publishers.

The secondary aim was to build an Institutional Repository and promote Open Access at our University.
Why DSpace?

Software tested to fit both needs:
- Dspace
- CDSware
- Fedora

DSpace was the most user-friendly, required the least customization and would serve both needs.
Deployment

- **Test server**
  - HP xw8000 workstation (3Ghz CPU, 1Mbyte RAM), running CentOS linux 4.2

- **Production server**
  - ProLiant DL380 G3 (4 Xeon CPUs and 2 GBytes of memory), running Redhat Enterprise Linux 4
  - HP StorageWorks 1000 Modular Smart Array featuring 640 GBytes of disk space, 14 SCSI disks in RAID5 setup
  - UPS system
Software

- Our software infrastructure includes dozens of web sites and services which reside on our production server.
  - Apache 2.0.52 with virtual hosts
  - Apache Tomcat 5.5.9
  - Apache Jakarta Tomcat Connector (mod_jk)
  - Dspace 1.3.1
  - Java jdk1.5.0_02
  - PostgreSQL 7.4
Customizations

- Localization of the user interface.
  - All text translated into Greek, available from [http://wiki.dspace.org/I18nSupport](http://wiki.dspace.org/I18nSupport)
- Minor Customization of web interface
  - Extra browse buttons, clickable URIs, custom style sheet (CSS)
- Modified search engine fields
- Custom submission form for specific collections
Backup & Restore

- Perform automated weekly backups
  - Archive dspace directory
  - Archive postgreSQL directory
- Keep copies of backup data in three distinct servers in our data center
- Copy selected backup data in DVDs
How to reach us

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