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Integrating a repository with research output and publications: the case of the National Technical University of Athens

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Introduction

• The Central Library has established a new *Open Access Institutional Repository* (IR) on July 2007. The IR contains *Electronic Theses and Dissertations* (ETDs) combined with a submission tool/service and a growing collection of scientific publications.

  – Milestones:
    • IR pilot testing period (July 2007)
    • Evaluation was conducted (January 2008)
    • Conclusions were drawn, adjustments were made and new goals were set
Initial steps

- Our *Digital Library* (DL) – DSpace installation
  - Unique Greek content digitized collection
  - Evolving *Institutional Repository* (IR)
    - Started with ETDs
    - Goal: the bulk of grey literature
- The challenge: IR integration with research output and publications
- NTUA Central Library’s vision
  - To provide open access to grey literature
  - To promote scientific research
  - To promote the impact of the research output and publications
Current steps

• We moved to the newest DSpace release (1.7.1) and simultaneously we obtained and prepared new hardware (April 2011)
• Since 2011 all university departments participate in IR
  – With all departments participating in IR we had 50 submissions per day (peak) during summer examination period
• We made a transition from a semi-automated metadata importing process into the main IR, to a fully automated one (batch)
New challenge

• Gather all NTUA’s scientific and technical digital content
• Two new collections were created
  – one for publications in scientific journals
  – another for conference publications or presentations (for conference papers, posters, etc.).
Goals

Through the integrated IR, NTUA is pursuing the following goals:

- making the university scientific and research content available and visible from a single point,
- adding value to research results and outputs by promoting access and discoverability,
- guaranteeing long-term preservation of the scientific and academic content,
- supporting or helping the academic community with electronic publications.
Submission “methods”

Three choices
1. Upload publications using batch utilities
2. We provide a simple form containing the necessary descriptive metadata elements
3. Professors, researchers, etc., have the opportunity to register to the DSpace platform and submit their publications directly, via the personalized DSpace interface (my DSpace)
# Metadata form (choice 2)

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<tr>
<th>Elements</th>
<th>Content</th>
<th>Notes</th>
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<tr>
<td><strong>Authors</strong> (e.g. Petropoulos, George)</td>
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<td><strong>Citation</strong> (e.g. Journal of Electrostatics, 62, no. 5 (2004), pp. 408-421.)</td>
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Submission process (choice 3)
Conclusion

Making the research publications available through IR has several benefits for the academic and scientific community:

– Greater impact and increased access to research outputs.
– Enhanced research dissemination.
– Availability of the existing knowledge.
– Long-term preservation.