DABAR - The Croatian Research Data Infrastructure?

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RDA meets Croatian researchers

Zagreb, 24 October 2017
SRCE – University of Zagreb, University Computing Centre

- main computing centre and the architect of the e-infrastructure

- covering both the University of Zagreb and the whole research and high education system
DABAR - Digital Academic Archives and Repositories

Started in 2014.

Goals:

• National infrastructure for digital repositories
  • scalable, interoperable, sustainable, flexible and suited for long term preservation
  • SaaS

• Community (working groups)
  • information needs, application profiles, controlled vocabularies, education and user support

• OA promotion
Drupal
• development
• multisite

+ Jenkins, Selenium, Git, ...
Result: DABAR - scalable national infrastructure

Production: August 2015.

Today:
115 digital repositories
• 10 universities
• 2 national repositories

https://zir.nsk.hr
https://repozitorij.mev.hr
https://repozitorij.sumfak.unizg.hr
Results: Stored and published digital objects

- 46,400+ digital objects
- 19,800+ OA
Results: Community (coordination committee & working groups)

March 2016. - memorandum of understanding:

- SRCE
- Ruđer Bošković Institute
- University of Zagreb School of Medicine
- University of Zagreb Faculty of Humanities and Social Sciences
- National and University Library in Zagreb

+ other institutions

10 working groups:
- Theses and disertations
- Scientific and related works
- Image, audio and video content
- Interoperability
- Long-term preservation
- User functionality
- Copyright
- Education & Support
- Research Data
- Educational Resources
Results: 5+1 types of digital objects

- Theses
- Dissertations
- Journal articles
- Conference proceedings
- Artistic works (photographs)

+ Appendices
Roadmap

Support for new digital objects:

• **Book chapters**
• Books
• Conference presentations
• Artistic works (audio, video)
• **Research data**
• Educational resources
• …
Results: Interoperability

DABAR’s integration with national and global e-infrastructure

Repository managers
Institutional depositors
End users

CURRENT STATUS

University of Rijeka,
University Library Rijeka
Catalogue
Portal of Scientific Journals of
Croatia
Croatian Higher Education
Information System
E-theses Portal
Authentication and
Authorization Infrastructure
of science and higher
education in Croatia
Croatian Repositories and
Archives Aggregator

FUTURE

University of Zagreb,
Faculty of Organization and
Informatics Information
System
FF OS
J. J. Strossmayer University of
Osijek, Faculty of Humanities
and Social Sciences
Repository
Registry of study
programs
Registry of
scientists
CroRIS
Croatian Research
Information System
URN:NBN service
National and University
Library in Zagreb

DABAR

Web GUI
Object management
Sharing and dissemination
OAI-PMH

100+ repositories
REST API

institutional
information systems and repositories

f3i
University of Zagreb, Faculty
of Economics Information
System

FFOS
J. J. Strossmayer University of
Osijek, Faculty of Humanities
and Social Sciences
Repository

FUTURE

Information providers

CROSSBI Croatian Scientific
Bibliography
EBSCO, ProQuest
Summon...

Identity and
identifier services

ORCID

Discovery services

OAI

Google

AQA

DART

OpenDOAR

CROSBI Croatian Scientific
Bibliography

Registry of study programs

PubMed
Central

National and University
Library in Zagreb

FUTURE

EBSCO, ProQuest
Summon...

...
Results: rich metadata vs efficiency

Croatian Higher Education Information System (ISVU)
Registry of Study Programs
AAI@EduHr
URN:NBN

HRČAK (OAI-PMH, KBART)
CROSBI (Web/MODS)
DOI/CrossRef (API)
Sherpa / ROMEO
AAI@EduHr
URN:NBN
Registry of Scientists
PubMed Central (API)
Results: Education & Support

• 17 workshops
• 220 participants
• train the trainers 😊
Research data?

Many challenges:

- Data management plan
- Volume & complexity
- Research tools integration
- Software (reproducibility)?
- Identifiers: URN:NBN, DOI (DataCite/ Crossref), Handle…?
- Storing data in IR or in separate data repository?
Thank You!

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