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
Croatian research and high education system?

214 institutions:

- 119 higher education institutions
- 25 public scientific institutes
- 70 other legal entities that registered scientific activity (National and University Library, Croatian Academy of Sciences and Arts, hospitals, archives...)

Source: Agency for science and higher education (AZVO)
The project DABAR

June 2014

3 main goals:

• National infrastructure for digital repositories
  • scalable, interoperable, sustainable, flexible and suited for long term preservation
• Community
  • information needs, application profiles, controlled vocabularies, education and user support
• Promotion of OA
DABAR – Digital Academic Archives and Repositories

August 2015 - production

March 2019:
- 127 digital repositories
  - 10 universities
  - 2 national repositories
- 87,000+ digital objects
- 37,400+ OA
13 digital objects (nationally agreed)

- Journal articles
- Papers published in proceedings
- Books
- Book chapters
- Conference abstracts and presentations

- Theses
- Artistic theses
- Dissertations
- Appendices

- Photographs
- Audio objects
- Audiovisual objects

- Research data (datasets)
Repositories...

- https://repozitorij.eizg.hr
- https://repozitorij.gfos.hr
- https://repozitorij.unipu.hr

CMS (Drupal)
Repositories...

Linking objects

Persistent identifier (URN:NBN)

Sharng: social networks
Interoperability

DABAR’s integration with national and global e-infrastructure
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)
DART-Europe is a partnership of research libraries and library consortia who are working together to improve global access to European research theses. (http://www.dart-europe.eu/About/info.php)

http://www.dart-europe.eu/browse-list.php?country=Croatia

“DART-Europe is a partnership of research libraries and library consortia who are working together to improve global access to European research theses.” (http://www.dart-europe.eu/About/info.php)
Workshops

25 workshops for repository managers in Zagreb, Rijeka, Osijek, Split & Dubrovnik with 276 participants

Topics:
• Introduction to repositories in DABAR
• Journal articles in DABAR
• DABAR & OpenAIRE
• Multimedia in DABAR

Soon:
• Research data in DABAR
Community!

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

10 working groups:
- Theses and dissertations
- Scientific and related works
- Image, audio and video content
- Interoperability
- Long-term preservation
- User functionality
- Copyright
- Education & Support
- Research Data
- Educational Resources

29 institutions:
ADU, DHMZ, DZIV, FFOS, FFZG, FOI, FSB, HRZ, IEF, IPU, IRB, IRO, KIF, MEDRI, MEF, MEFST, MUZA, NCVVO, NSK, PMF, PRAVRI, PTFOS, Srce, SVKRI, SVKST, UFZG, UNIOS, UNIPU, UNIZD
Research data

- Research data (datasets)
  - First dataset: [https://urn.nsk.hr/urn:nbn:hr:232:359736](https://urn.nsk.hr/urn:nbn:hr:232:359736)
  - RegCM4 Climate Change Adaptation Simulations
  - (Croatian Meteorological and Hydrological Service)

Infrastructure for FAIR data?

- Findable (PID, rich metadata, search funct., services)
- Accessible (HTTP)
- Interoperable (open formats, MODS/DC/DataCite, links)
- Re-usable (License, **domain standards**)
Open infrastructure!

- multisite

+ Jenkins, Selenium, Git, ...

https://github.com/alen-z/open-source-stamp.git

Drumla

Apache Solr

Fedora Commons

Islandora

srce
Conclusion?

87,000+ digital objects
37,400+ OA
...
-------------------------------
Academic integrity
Visibility
Innovation
Cooperation
...

Created by Uwe Kils (iceberg) and User:Wiska Bodo (sky). [CC BY-SA 3.0 (http://creativecommons.org/licenses/by-sa/3.0/)]
Srce politikom otvorenog pristupa široj javnosti osigurava dostupnost i korištenje svih rezultata rada Srca, a prvenstveno obrazovnih i stručnih informacija i sadržaja nastalih djelovanjem i radom Srca.

www.srce.unizg.hr/otvoreni-pristup

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