

DABAR & HRČAK: Croatian Academic and Research Repository Infrastructure

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SRCE - University of Zagreb, University Computing Centre

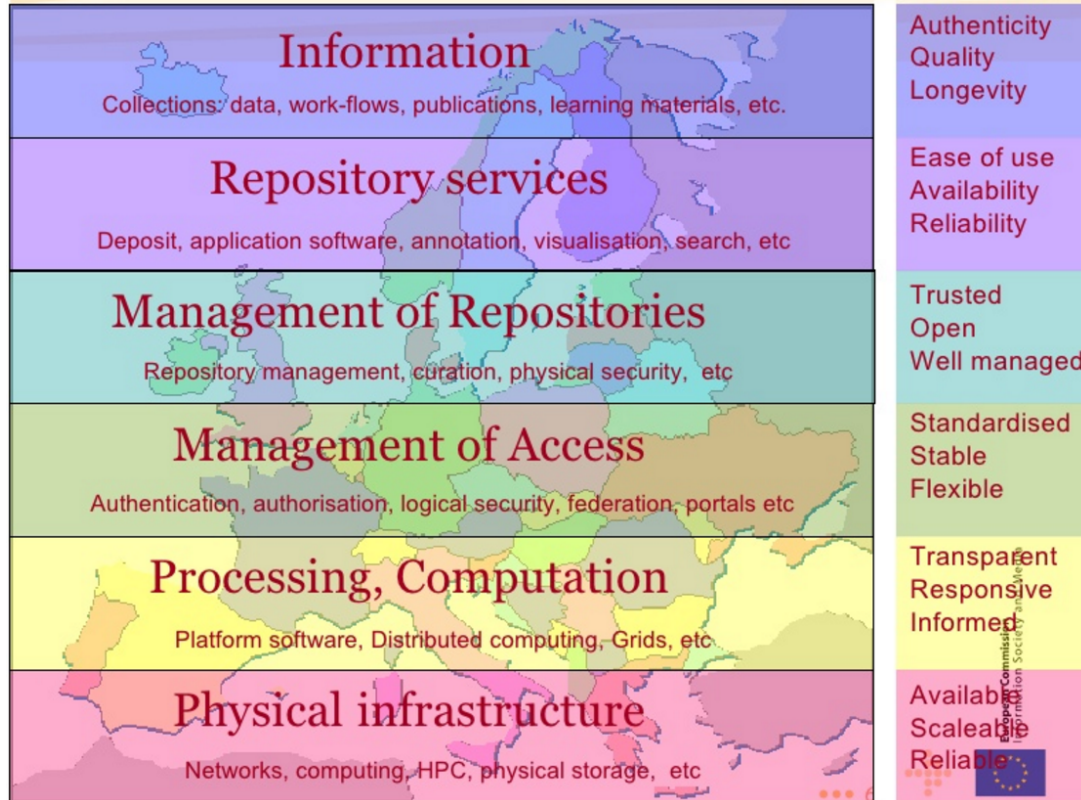
Incentives and Rewards to engage with Open Science activities

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



Layers of e-Infrastructure and some of their desired characteristics



<https://www.slideshare.net/KnowledgeExchange/e-infrastructure-for-oa/6>



“Data layer”: repositories, archives, portals...



HRČAK - Portal of Scientific Journals of Croatia

HiD / SRCE / MZO



Project in 2004/2005 with 2 goals:

- Encourage editors of Croatian scientific and profesional journals to publish in Open Access
- Develop a platform that will enable journal editors to publish and end users to browse and search articles on one web site

Production: February 2006

Current state



The authenticated collection of authors ORCID IDs is implemented on the HRČAK portal. The HRČAK portal will send emails to authors that will guide them through the process of linking their paper to their ORCID profile (more details).

HRČAK is the central portal of Croatian scientific journals. HRČAK offers the access to the journals following the Open Access Initiative (more about HRČAK in Croatian only).

About HRČAK (in Croatian only)

- for end users.

HRČAK stats:
Journals: 448
Published issues: 13.915
Published articles: 173.727
Published articles with full text: 171.218

10 newest issues online by publish date

1. Acta Pharmaceutica 91(3), 2017
2. Tisucukum - časopis za solinske teme, 10(2), 2017
3. Tisucukum - časopis za solinske teme, 10(1), 2017
4. Hrvatske vode, 35(10), 2017
5. Filozofija, 67(1), 2016
6. Filozofija, 66(5), 2016
7. Nursing journal, 22(2), 2017
8. Acta medica Croatica, 71(2), 2017
9. Technical gazette, 24(Supplement 2), 2017
10. Hrvatski opakotološki zbornik, 2(1), 2017

10 latest issues online by publish date

1. Geriatrika, 34(1), 2017
2. Tekstil - Zeitschrift für Textiltechnologie und Bekleidungstechnik 4 (Textil Journal of...), 2016
3. Historical contributions - Historische Beiträge, 52(S2), 2017
4. Archives of Industrial Hygiene and Toxicology 71(1), 1996
5. Agronomy journal, 76(1-2), 2017
6. Hrvatske vode, 28(1), 2017
7. Signa vitae - journal for innovative care and emergency medicine, 13(1), 2017
8. Hrvatski opakotološki zbornik, 2(1), 2017
9. Tisucukum - časopis za solinske teme, 10(2), 2017
10. Filozofija, 67(1), 2016

This portal was developed with the support of the Ministry of Science, Education and Sports (nowadays Ministry of Science and Education), developed and maintained by the SRCE - University of Zagreb, University Computing Centre and was initiated by the Croatian Information and Documentation Society.

The HRČAK project team is responsible for the portal's overall design and functionality as well as data security. Responsibility for the journals content and the accuracy of data therein lies with the respective journal editors.

440+ journals
171.200+ OA articles
40.500+ visits daily

editorial process: Open Journal System (OJS)



OJS

HOME ABOUT LOGIN REGISTER SEARCH

Home > OJS

OJS

Croatian Political Science Review

Croatian Political Science Review is an academic journal of political science and related disciplines, published by the Faculty of Political Science of Zagreb University. It publishes reviewed academic and political articles from the field of political science and political studies in general, and from all sub-disciplines of political science: political theory, international relations, comparative politics, Croatian politics, public policy, regional studies, political communication, defence and security studies, as well as articles belonging to fields that cannot be uniquely classified by their affiliation to a single discipline but are on the „border“ between two or more disciplines: economic policy, political philosophy, political sociology, political psychology, media studies, etc. Journal is published four times a year.

VIEW JOURNAL | CURRENT ISSUE | REGISTER

Journal of Cultural Studies

Journal of Cultural Studies is an interdisciplinary scientific journal launched in 2010 with the aim of becoming an international forum for the presentation of research and advancement of discourse concerning media, communications, journalism, and public relations, within each field's cultural, historical, political and/or economic contexts. Journal is published every year in June and December.

VIEW JOURNAL | CURRENT ISSUE | REGISTER

Kinesiology

Journal of Kinesiology, University of Zagreb has been publishing Kinesiology - scientific journal in the field of general and applied kinesiology since 1971. From 1996 to 1999, it was published both in Croatian and English, and after 32nd volume in 2000 was printed as Kinesiology, only in English with extended abstract in Croatian language. There are original research articles, review articles, preliminary notes and technical articles written by Croatian and foreign authors who are accepted for publishing based on the positive reviews from prominent domestic and foreign reviewers. Kinesiology, also known as sports science, is a scientific study of human movement on physiological, biomechanical, biochemical and psychological level. Studies of kinesiology also include motor control, health enhancing physical activity, orthopedics, strength and conditioning, sport psychology, methods of rehabilitation, such as physical and occupational therapy.

VIEW JOURNAL | CURRENT ISSUE | REGISTER

Bulletin of the International Association for Paleodontology

Bulletin of the International Association for Paleodontology is an interdisciplinary open access online journal inviting and welcoming contributions from anthropology, bioarchaeology

OPEN JOURNAL SYSTEMS

Journal Help

USER

Username

Password

Remember me

Login

LANGUAGE

Select Language

English Submit

JOURNAL CONTENT

Search

Search Scope

All

Search

FONT SIZE

A A A

Interoperability & visibility

- OAI-PMH, KBART, DOAJ API, HighWire Press...



Interoperability & unique identifiers

ORCID

- 8.000+ authors are using their ORCID iDs
- 18.500+ connections between papers and ORCID

Funder / project information

- OpenAIRE (FP7, H2020, WellcomeTrust...)
- PDB@IRB (MZO, HRZZ)



The screenshot shows an ORCID iD profile for Zvonimir Prpić. The profile includes the following information:

- ORCID ID:** orcid.org/0000-0003-0827-4594
- Country:** Croatia
- Keywords:** sheep milk, goat milk, sheep meat, goat meat, indigenous breeds
- Other IDs:** Scopus Author ID: 24734290500
- Employment (1):** University of Zagreb, Faculty of Agriculture; Zagreb Professor Assistant, Ph.D. (Department of Animal Science and Technology)
- Works (20):**
 - Relationship of litter size with milk yield, udder mor... and udder health of East Friesian sheep
Journal of Central European Agriculture
2016-12-15 | journal-article
DOI: 10.5513/JCEA01/17.4.1853
URL: https://jcea.agr.hr/articles/773953_Povezanost_veli_in_e...
Source: Zvonimir Prpić
 - Some dairy traits of Istrian ewes kept in semiintens conditions
Journal of Central European Agriculture
2016 | journal-article
DOI: 10.5513/JCEA01/17.1.1695
EID: 2-s2.0-84957883830
URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-84...>
Source: Zvonimir Prpić
 - Dairy and reproductive traits of German fawn goats Mediterranean breeding conditions
Mljekarstvo
- Projects:** EC / FP7 / 334493 / COMPBAND - Computational Studies of the Biogenic Amines of the Brain for Targeting Neurodegenerative Diseases
- Hrčak ID:** 131541

Advanced format

XML format (JATS - Journal Article Tag Suite)

- content mining
- format migration
- presentation (references, tables,...)



DABAR - Digital Academic Archives and Repositories



June 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



- developement
- multisite



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

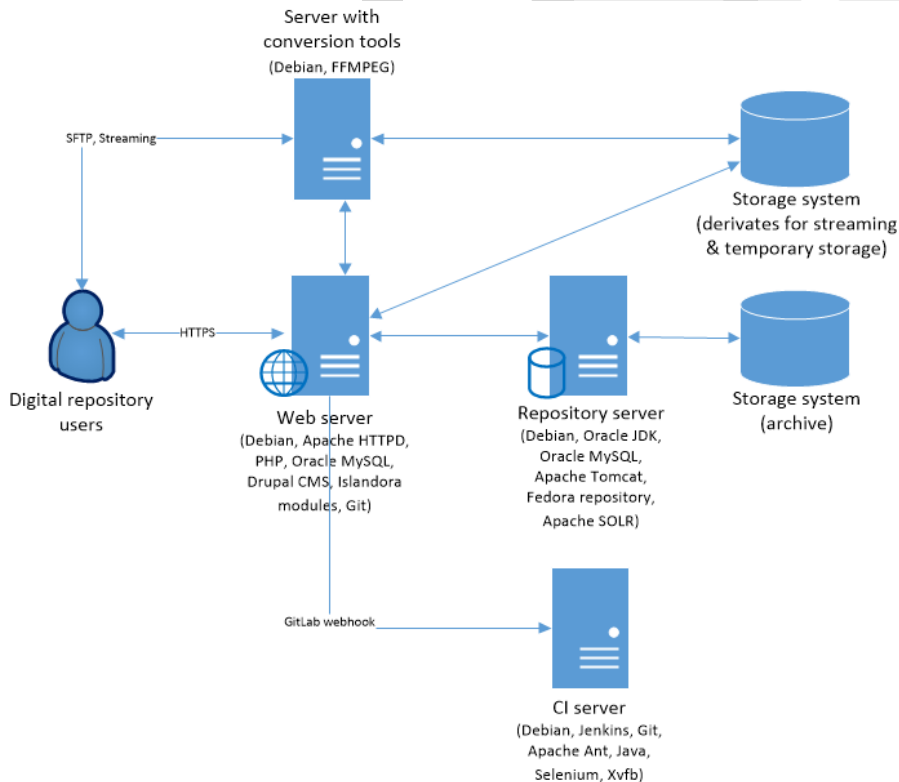
+ Jenkins, Selenium, Git, ...

Result: DABAR - scalable national infrastructure

Production: August 2015.

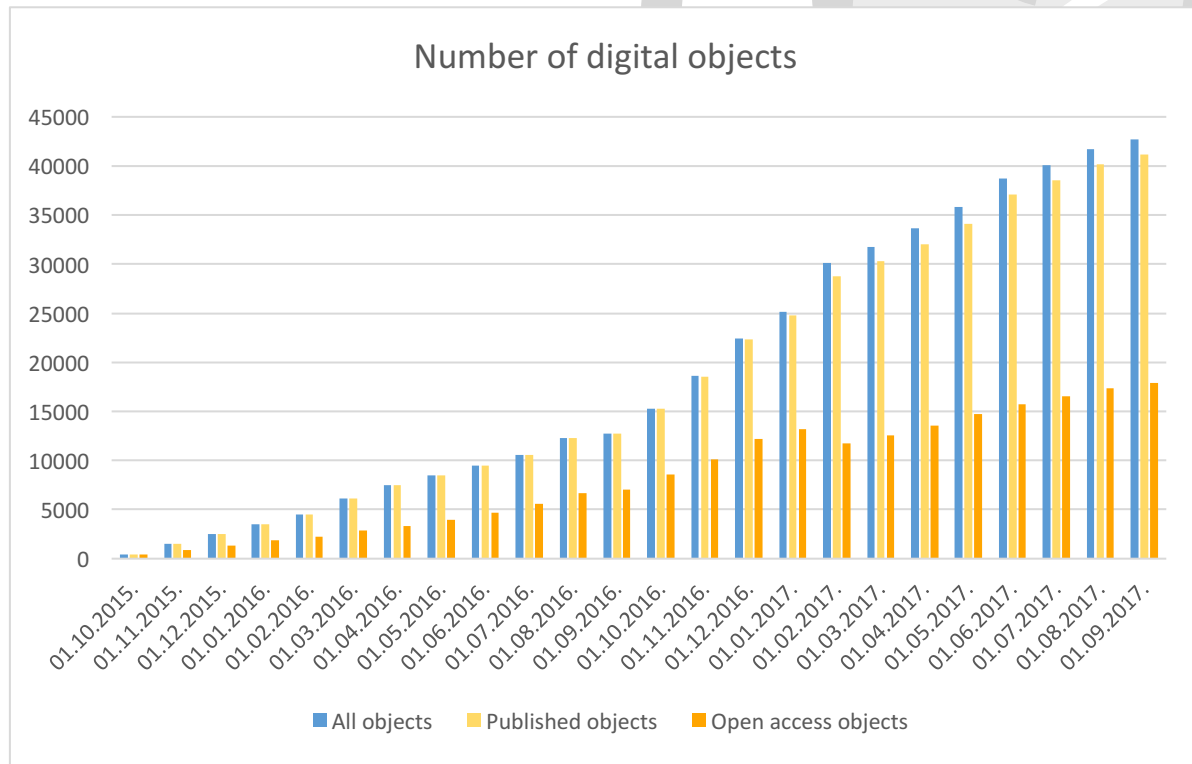
115 digital repositories

- 10 universities
- 2 national repositories



Results: Stored and published digital objects

- 42.000+ digital objects
- 18.000+ 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

Working groups (8 + 2):

- 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**

Results: 4+1 types of digital objects

DISSERTATION THESIS

Nitrate removal from wastewaters by modified food industry by-products

Marija Nujć (2017)
Sveučilište Josipa Jurja Strossmayera u Osijeku
Prehrambeno-tehniološki fakultet Osijek
Zavod za primijenjenu kemiju i ekologiju
Katedra za kemiju i ekologiju

Download PDF 6.13 MB

Cite this item: <https://urn.nsk.hr/urn:nbn:hr:109-338184>

Title: Uklanjanje nitrata iz otpadnih voda modificiranim nusproizvodima prehrambene industrije

Author: Marija Nujć

Mentor(s): Mirna Habuda-Stanić

Keywords: water, wastewater, nitrates, ion exchange

Parallel title (English): nitrate removal from wastewaters by modified food industry by-products

Committee Members: Borislav Mitićević (committee chairperson), Lidija Jakobek Barron (committee member), Naim Matorić (committee member), Dalibak Josić (committee member)

Thesis Dissertations

SCIENTIFIC PAPER - ORIGINAL SCIENTIFIC PAPER

Magnetic susceptibility of crystals: Unusual Curie behavior and small contributions from charge density waves

Kokanović, Ivan; Cooper, J. R. (2016)

Download PDF 776.44 kB

Cite this item: <https://urn.nsk.hr/urn:nbn:hr:217-884069>

Language: English

Title (English): Magnetic susceptibility of crystals: Unusual Curie behavior and small contributions from charge density waves

Author: Kokanović, Ivan; Cooper, J. R.

Keywords: magnetic susceptibility

Publication: published

Peer review: peer review - international

Journal title: Physical Review B

Numbering: 2016, Vol. 94, No. 7, pp 75155-11

ISSN: 2469-9950

e-ISSN: 2469-9969

Date: publication: 29.08.2016.

DOI: 10.1103/PhysRevB.94.075155

Articles published in journals + Appendices

MASTER'S THESIS

Jadrija

Zeljak, Ivo

Photo Gallery

Jadrija (Fotografija)

Zeljak, Ivo

Download PDF 4.41 MB

Linked objects: Jadrija

Keywords: artistic works (photographs)

Author: Ivo Zeljak

Genre: Photograph

Access condition: Open access

Terms of use: CC BY-NC

URN NBN: urn:nbn:hr:205-071676

Data contributor: Tea Jerić Zanini

EXIF: Canon, Canon EOS 5D Mark III, Adobe Photoshop Lightroom 5.7.1 (Windows)

Artistic works (photographs)

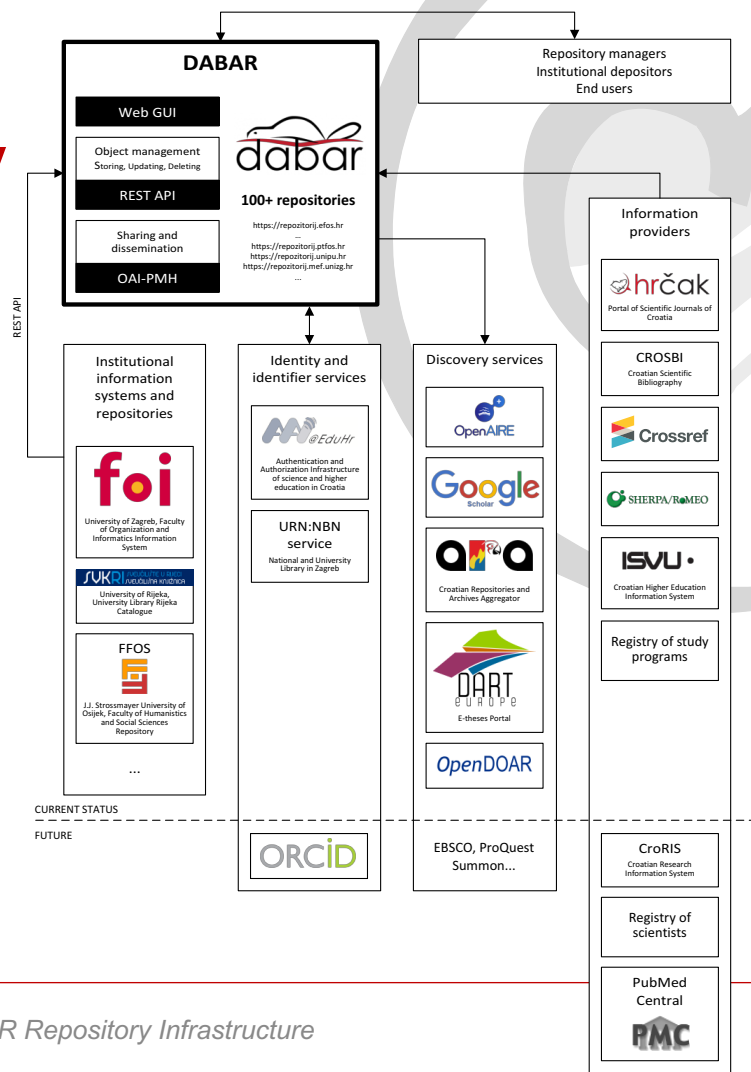
Roadmap

Support for additional objects (digital asset):

- **Conference papers** and presentations
- **Book chapters** and books
- Artistic works (**audio**, video)
- Research data
- Educational resources
- ...

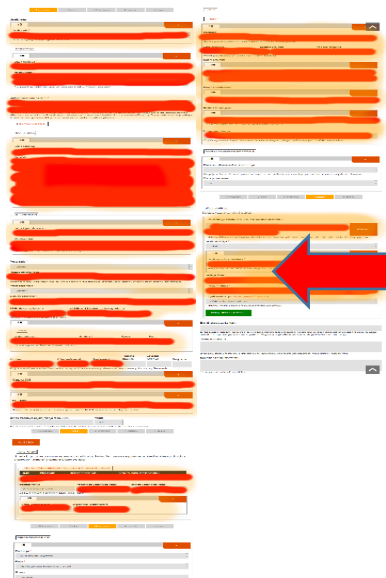


Results: Interoperability

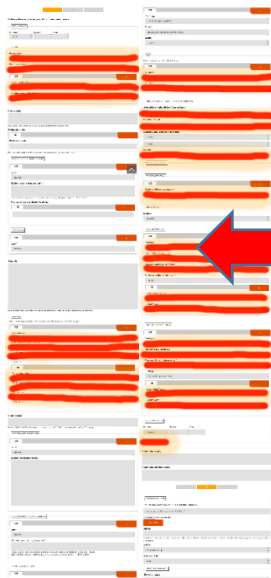


DABAR's integration with national and global e-infrastructure

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)

Conclusion?

Institutions – DABAR

Journal editors – HRČAK

Challenges?

- support for research data
 - and research tools
 - volume & complexity?
 - Croatian scientific and educational cloud (HR-ZOO)

- registries and APIs > CRIS



Thank You!

<https://hrcak.srce.hr> (hrcak@srce.hr)

<https://dabar.srce.hr> (dabar@srce.hr)



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