



Ministry of
Education and Science
Republic of Latvia

Open Science and Digital Humanities in Latvia

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LATVIAN OPEN SCIENCE STRATEGY

3 PILLAR STRUCTURE

1. Open Access

2. FAIR Data

3. Citizen Science

Requirements & Incentives

E-infrastructures and Tools

Skills

State-of-the-art

Monitoring



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OPEN SCIENCE STRATEGY

FAIR DATA

Standardized Data Management Plans (DMPs)

Principles: minimal burden to researchers, international templates, machine-actionable and connected to CRIS systems

DataverseLV Research Data Repository Network

Participation in the European Open Science Cloud
Commitments for Partnership: 3.5M Financial; 2Min-kind

PRINCIPLES

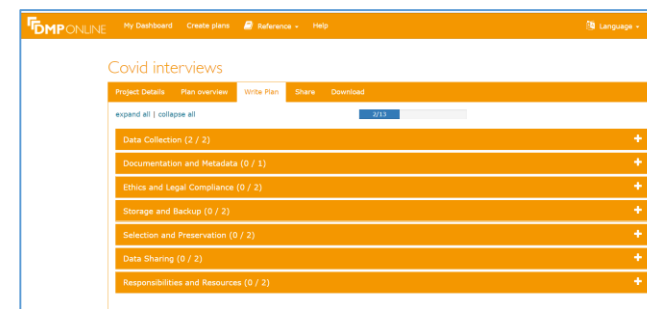


Research data **open by default**



Research data, metadata, e-
infrastructures **as FAIR as possible**

DataverseLv

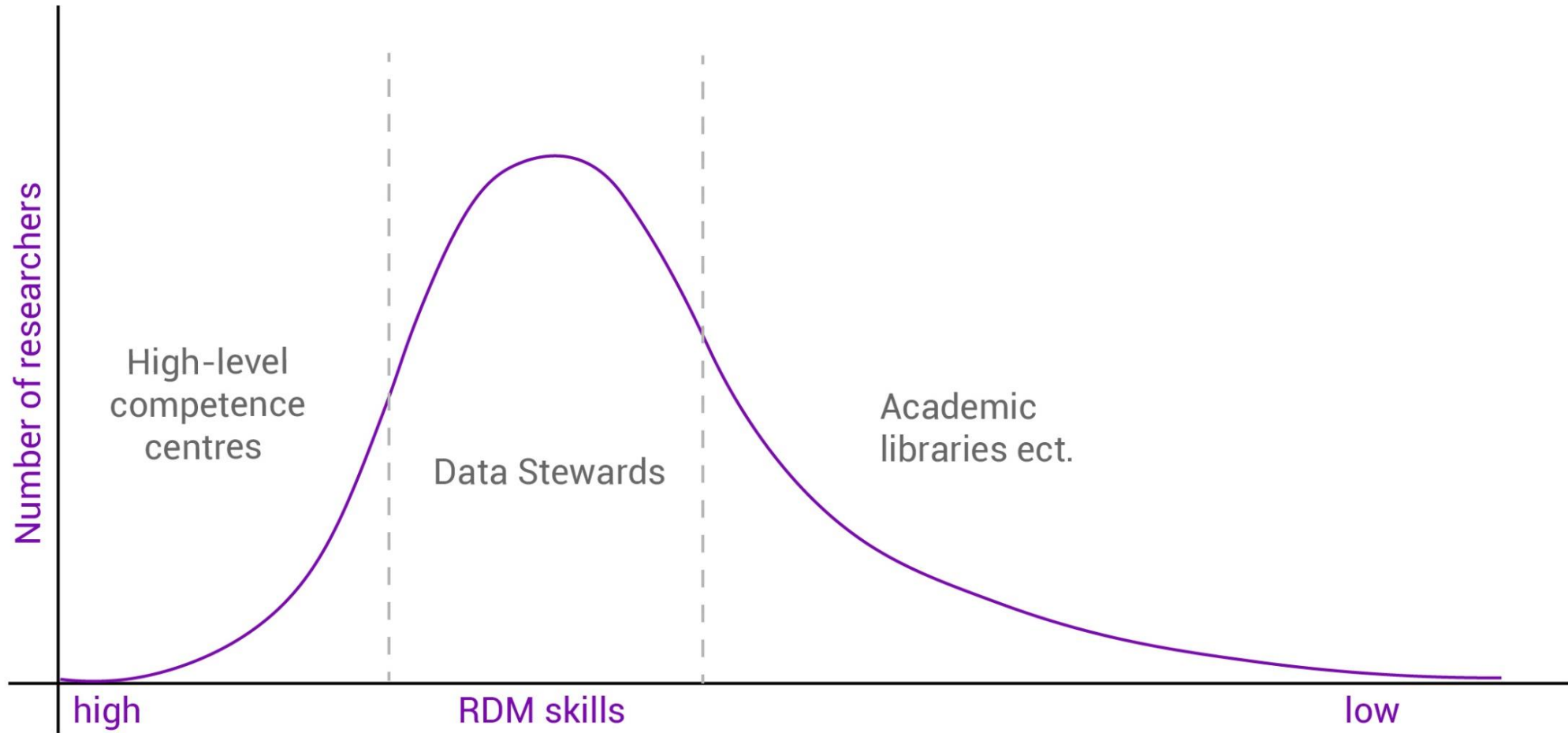


**EUROPEAN OPEN
SCIENCE CLOUD**



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FAIR DATA SKILLS





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PROPOSAL FOR A LANGUAGE TECHNOLOGIES CENTER OF EXCELLENCE

- Integrated research and education program for language technologies and digital humanities
- Aiming to develop innovative language technologies, resources, practices and advanced digital skills
- Fostering usage of digital research methods across humanities, social sciences and higher education
- Developing nation wide digital infrastructure for language technologies
- Establishing citizen sciences practices in language technologies and digital humanities



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PROPOSAL FOR A DATA STEWARDS PROGRAM

- Main instrument for increasing RDM skills and encouraging use of e-infrastructures and tools
- Developing general and field-specific skills and practice
- Joint coordination and trainings
- Potential for Nordic-Baltic cooperation
- Current proposal: ~30 Data Stewards @ Postdoc salary



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researchLatvia[★]
Value Through Knowledge

RESEARCH DATA REPOSITORY NETWORK

➤ Decentralized architecture

➤ Central metadata
aggregator/portal

➤ CoreTrustSeal ambitions

➤ Can be hosted on
VARAMcloud

DataverseLv



LATVIJAS
UNIVERSITĀTE



RĪGAS STRADIŅA
UNIVERSITĀTE





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STATE OF OPEN SCIENCE CITIZEN SCIENCE

- 15+ initiatives in Latvia*
- Wide range of fields of Science
(natural sciences, humanities, etc)
- High-level political support
- Integral part of strategic communication (researchLatvia)
- Several events organized by the Ministry

Pandemic Diaries



Nature Data



DABAS DATI



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OPEN SCIENCE STRATEGY

CITIZEN SCIENCE

researchLatvia[★]
Value Through Knowledge

- Societal involvement in all states of the research process
- Emphasis on co-creation; benefits must accrue to society and science
- Strategy incorporates ESCA 10 principles of Citizen Science*
- Support from the Ministry: researchLatvia platform and research data infrastructures



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OPEN SCIENCE STRATEGY

MISCELLANEOUS

- Integration of Open Science criteria in research institution evaluation
- Nomination of National Open Science Coordinator
- Active participation in ERAC SWG OSI, CoNDSC and other groups
- Implementing a monitoring system based on OpenAIRE Monitor
- Encouraging research institutions to develop Open Science strategies
- Encouraging 1-2 Latvian organizations to join the EOSC association
- Giving national mandate to a member organization
- Long-time archiving of digital objects
- Registering researchers in ORCID, RIs in ROR
- Providing DOIs to digital object repositories
- Opening API of National CRIS system



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JOINT SERVICES CENTER HIGHER EDUCATION AND RESEARCH

- Modeled on CSC in Finland
- University-led initiative
- Objectives:
 - Reducing the fragmentation of service providers
 - Providing economies of scale
 - Concentrating technical expertise
- Co-funded between universities and the Ministry
- Client-orientation; cooperation with private-sector
- Innovation through procurement; active use of Open Source
- Membership in intl. organizations/networks





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JOINT SERVICES CENTER HIGHER EDUCATION AND RESEARCH

Services:

- Academic network / GEANT
- CRIS systems
- Dataverse network
- CRIS systems
- eduGAIN IDP / ESCI services
- Mikrotik Genome Data Network
- Possibly HPC





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STATE RESEARCH PROGRAMMES

➤ Digital resources for humanities (DH)
€1.3M

➤ Latvian Language » Letonika 2
Provisional funding: €6.2M



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