OPEN SCIENCE IN LATVIA

Aleksandrs Mārtiņš Blūms
RIS3 Expert
Aleksandrs-martins.blums@izm.gov.lv
LATVIAN OPEN SCIENCE STRATEGY

TIMELINE

- Study on Open Science: Q3 2020
- Draft strategy complete: Q1 2021
- Discussions with key stakeholders: Q1 2021
- Public consultation: Q2 2021
- Approval by the Cabinet of Ministers: Q3-Q4 2021
<table>
<thead>
<tr>
<th>1. Open Access</th>
<th>2. FAIR Data</th>
<th>3. Citizen Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Requirements &amp; Incentives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E-infrastructures and Tools</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skills</td>
<td></td>
<td></td>
</tr>
<tr>
<td>State-of-the-art</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monitoring</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
STATE OF OPEN SCIENCE
OPEN ACCESS

- Average position in EU
- Year-on-year growth
- Huge variability depending on data source (WoS/Scopus/Scopus+Unpaywall)
- High percentage of Gold OA publications
- OA encouraged in many programs, not yet mandatory
- APCs are eligible costs in state funded programs
- Self-archiving strongly encouraged in recent programs
OPEN SCIENCE STRATEGY
OPEN ACCESS

- All State funded research publications must be Green or Gold OA without an embargo period
- Increasingly centralized journal licensing, transformative agreements
- OA guidelines for researchers, encouraging including APC costs
- Centralized hub for publication data/metadata (integration with national CRIS system, anti-plagiarism database)
Good RDM practice seen by many researchers as burden*

No national DMP requirements

No monitoring system for FAIR data

Research data repositories slowly emerging

Some investments in e-infrastructures via ESFRI

Several projects incl. EOSC Nordic, OpenAIRE

First Data Steward vacancy at Riga Stradiņš University
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; 2M in-kind

---

**PRINCIPLES**

- Research data *open by default*
- Research data, metadata, e-infrastructures *as FAIR as possible*
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
FAIR DATA SKILLS

Number of researchers

High-level competence centres

Data Stewards

Academic libraries etc.

high

RDM skills

low
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
Societal involvement in all stages 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
Integration of Open Science criteria in research institution evaluation
Nomination of National Open Science Coordinator
Active participation in ERAC SWG OSI, CoNOSC 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
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
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