

Bridging Disciplines with Data: Social Science Contributions to the EOSC Ecosystem

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Research Data Day & EOSC National Tripartite Event

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**Czech Social Science Data Archive
Institute of Sociology of the Czech Academy of Sciences**



Strengthening Social Science Contributions to EOSC

- Yana Leontiyeva introduced CSDA, its role in CESSDA and impact on Sociology
- **What next:** steps & plans for integrating other social science disciplines
 - many hold valuable datasets locally, limiting reuse
- **Goal:** deepen collaboration and make this data EOSC-accessible

Disciplines:

Sociology

Economics

Geography

Demography

Tourism

Social and Regional Development

Involvement in the preparation of the Open Science II project



project content based on the needs of the community



focusing (not only) on data storage and accessibility



opportunities to access additional data and resources



data management



using AI

Institutions involved in the project or planned involvement through mini-projects

- Institute of Sociology of the CAS
- Charles University
- Masaryk University
- University of West Bohemia in Pilsen
- University of Economics in Prague
- Czech University of Life Sciences Prague

Building shared infrastructure

Three main components:

CSDA + new repository for sensitive data + DataHub

- store and reuse data for social science and interdisciplinary research
- ensure compatibility with the European EOSC infrastructure (e.g., CESSDA, SSHOC)
- develop FAIR standards, metadata models and methodologies applicable across disciplines



OAIS



Developing the CSDA repository

- transfer of the Dataverse system to NRP resources (security, system replication, increased capacity)
- implementation of AAI
- new data collections
- new types of data (e.g., synthetic)
- data FAIRification



CSDA - new repository for sensitive data

- the need for a system for storing and accessing sensitive data

new repository for sensitive data: Invenio – NRP resources

- policy setting approach in collaboration with the Sensitive Data Working Group
- close connection via metadata to the CSDA general repository

Developing DataHub – FAIR for geospatial and demographic data

- managed by the Faculty of Science, Charles University
- focus on geography and demography
- system ArcGIS
- contains maps and spatial datasets - data layers
- requires special workflows for FAIRification
- needs custom tools and systems to ensure usability



DataHub

Faculty of Science, Charles University

New Tools & Services

- visualization tools for time-series social science data
- training & guidelines for FAIR data management
- options for protecting sensitive data and the identity of respondents using AI
- Czech Demographic Database: fertility, mortality, migration, structure
- integration to EOSC, CESSDA, SSHOC

Challenges & opportunities

Challenges:

- aligning metadata across disciplines
- protecting sensitive information
- training researchers in FAIR practices

Opportunities:

- improved research quality
- stronger international collaboration
- more responsive data for policymaking



**EOSC as a benefit, not just
an obligation**

Thank you

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