

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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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

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



using Al







Building shared infrastructure

Three main components:

CSDA + new repository for sensitive data + DataHub

- Metadata
 Standard
- 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







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

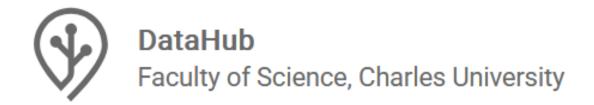
new repository for sensitive data: Invenio – NRP resources

- 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





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 Al
- 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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