Open Science in Policy and Practice at the University of Silesia in Katowice

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Global context
2021: UNESCO Recommendation on Open Science

European context
2017: European Research Council (Guidelines on Implementation of Open Access to Scientific Publications and Research Data)
2019: European University Association (EUA): Research Assessment in the Transition to Open Science
2022: Strategic Research and Innovation Agenda (SRIA) of EOSC

Polish context
2015: Directions for the development of open access to publications and research results in Poland
2018: Act of July 20, 2018, on Higher Education and Science
2020: National Science Centre (NCN) policy regarding open access to scientific publications
2021: National Act of August 11, 2021, on open data and the reuse of public sector information
2022: State Science Policy, Ministry of Education and Science (MEiN)
• Institutional Openness Policy of the University of Silesia in Katowice (Directive No. 3 of the Rector of the University of Silesia in Katowice dated January 8, 2020)

• Directive No. 147 of the Rector of the University of Silesia in Katowice dated October 13, 2022 on the preparation, implementation, and settlement of projects and tasks financed or co-financed by external funds.

• Directive No. 80 of the Rector of the University of Silesia in Katowice dated May 15, 2023
1. Recognition of the role of data steward with definition of the position
2. Recognition of the research data management process and the roles and responsibilities of data stewards
3. Recognition of the data management structures at USIL, including: coordinator position (central administration) and data stewards (based at the faculty level)
4. Recognition of data management as an activity requiring consideration of the specifics of various research areas
5. Obligatory RDM training for PI’s
Stage 1: Initial OS structures

Vice-Rector for Research and Finance

Head of Science Department

Coordinator for Open Access/Data Steward

Scientists (est. 1500)
PhD candidates (est. 400)
Scientific teams (est. 500)
Research Centres (22)

8 Faculty Project Teams

Project Department (central administration)

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Stage 2: Transition to OS through capacity building

- Training for administration and researchers in Polish and English [2021/2022: 300 training participants].
- Inclusion of data management in the curriculum of the Doctoral School (Ethics Module, 30 teaching hours/7 groups, including one in English; 100 doctoral students in 2022].
- Current information system for central and departmental administration staff (mailing).
- Preparation of USIL Research Data Management Manual [in Polish and English] – developed to USIL Faculty Research Data Management Manuals (research area specific tools).
- Repository: RepOD [Institutional Collection of the University of Silesia].
- Change in internal regulations by Directive No. 80 of the Rector of the University of Silesia in Katowice dated May 15, 2023.

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Stage 3: OS structural advancement

- Coordinator for Open Access & Data Champion
- Faculty Data Stewards (10)
- Management & Finance: Science Department & IDB
- Researchers and PhD students
- Faculty Project Teams
- Project Department
- Collaboration: Office of Patent Attorneys, Data Protection Officer, IT Infrastructure Division, Library and Publishing House

- Vice-Rector for Research and Finance
- Head of Science Department
OS requires investment in human resources

**Data Steward - Research Data Management Annual Call 2023/2024:**
- Up to 300,000 PLN allocation for financing the program from the Research Excellence Initiative
- Outcome: 10 USIL employees in DS Programme provide RDM services to USIL faculties (8 project units, researchers and PhD students)
- Additional 8 volunteers attending the training programme
- Internal and external trainings, including NCN webinars and RDM for Data Steward Course at NAVOICA

**Practice-based and domain-focused Data Steward Training:** "One University - Many Opportunities. Integrated Program" co-financed by the European Union from the European Social Fund (in progress)

**The 3rd FAIR Impact Call (infraEOSC project): FAIRification of the USIL OS policy and practice** (future plan)
Stage 4: Data Steward Community at USIL

Community-based and bottom-up solutions as economically and substantively effective approach to human resources development in the field of RDM
Be Open - Be Scientist! The global transformation of science. Policy Perspective.

National and International OS Collaboration

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Science Zone
Strefa Nauki
25-30 June 2022
KOTOWICE

How open research data fuel smart urban and metropolitan development

What something like
- 5 steps to turn your cities data into wisdom?
Jason Whittet
Amazon Web Services (AWS)
Digital Innovation Lead, Arizona State University
Smart Cities Innovation Centre

Why collecting data is so important for smart city implementations? Case of Katowice City
Łukasz Żołciak
Expert in Smart Cities, Katowice City Hall
Powa.Ink Municipal Business Incubator

Looking for synergies in the use of open data
Assoc. Prof. Radosław Nielić
Researcher and expert in the Open Data project of Upper Silesian and Zagłębie Metropolis

The researcher angle to open research data
Dr. Maria Pawlowska
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UNIVERSITY OF SILESIA
IN KOTOWICE
International OS collaboration

Transform4Europe – T4EU: The European University for Knowledge Entrepreneurs 2023-2027

WP 5/Activity T5.6. Open science (OS) in the T4Europe area

MS122: Advanced data stewardship courses launched. Train highly competent data stewards at all partner universities, to help researchers properly prepare, manage and open their data.

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