OPEN RESEARCH DATA CAPACITY BUILDING: LESSONS FROM GDAŃSK UNIVERSITY OF TECHNOLOGY



Project: "The Excellence Initiative – Research University" (IDUB) programme 2024-2026
Task: Actions to promote and increase awareness of Open Research Data

OBJECTIVE

The activities carried out under the task aimed to raise awareness, develop skills, and enhance competencies in research data management within the academic community of Gdańsk University of Technology. Their primary objective was to disseminate effective methods and best practices for publishing, sharing, and managing research data.

7 DISCIPLINE DATA STEWARDS

A key element of the project was the establishment of a network of qualified data stewards who provided discipline-oriented research data management support to researchers and doctoral candidates across Gdańsk Tech. Rather than focusing solely on direct training for researchers, the project invested in a selected group of data stewards representing different disciplines across the University, including:

- Architecture and Urban Planning
- Automation, Electronics, Electrical Engineering and Space Technologies
- Economics and Finance
- Computer Science and Telecommunications
- Environmental Engineering, Mining and Energy
- Biological Sciences
- Chemical Sciences



5 researchers +  **2 librarians**

322 DATASETS & 7 DATA DESCRIPTORS

The data stewards were responsible for systematically preparing and publishing research datasets in the open institutional repository, as well as for developing one data descriptor article for each steward to enhance the visibility, accessibility, and reusability of research data.

As part of the project, 322 dataset collections were deposited in the data repository. The team also developed expertise in preparing data descriptor articles, resulting in 7 manuscripts describing self-created datasets, 3 of which were published in peer-reviewed journals.



7 DATA MANAGEMENT PLAN TEMPLATES

One of the programme's achievements was the development of 7 model Data Management Plans tailored to selected research disciplines represented at the University. These DMPs provide discipline-specific guidance and serve as reference frameworks for researchers.

6 STRUCTURED REVIEWS OF DATA-SHARING PRACTICES

The team conducted 6 structured reviews of data-sharing practices across selected scientific disciplines and produced analytical overviews identifying common standards, challenges, and discipline-specific approaches to open data.

DATA MANAGEMENT PLANNING – ONLINE COURSE

Another important outcome was the design and delivery of an open online course on Data Management Planning, aimed at ensuring the long-term accessibility of the knowledge generated.

The course explains the structure of a DMP, outlines formal requirements, and presents good practices for planning, collecting, processing, analysing, storing, sharing, and reusing research data.

SKILLS DEVELOPMENT

The team participated in targeted training delivered by internal experts and engaged in knowledge exchange and peer learning through international courses and training programmes, including:

- The University of Vienna Data Steward Certificate Course
- Train-the-Trainer Workshop on Research Data Management
- PUBMET 2024 1st Summer School on Scholarly Communication
- Make Data Count Summit 2024





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