

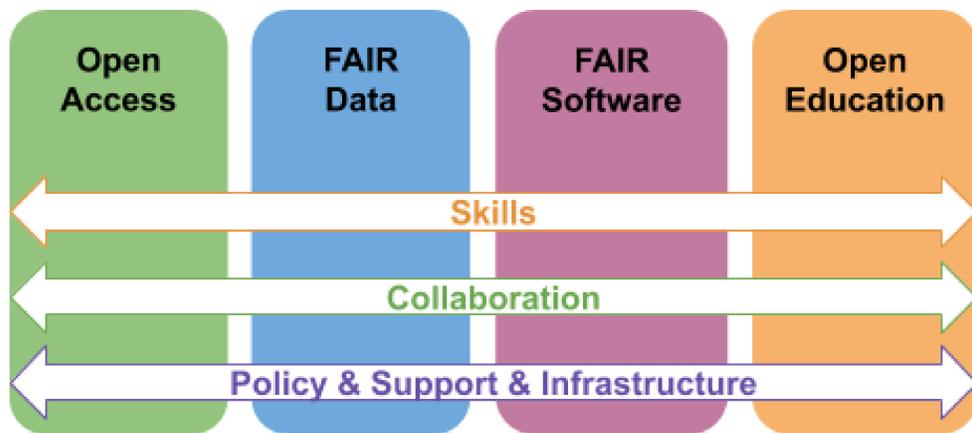
Catalyzing the Open Science Transformation by an Institutional Strategy



About

We understand the **digital transformation of science as a socio-technical process** in which digital tools and infrastructure go hand in hand with a (social) opening of essential phases of publicly funded research and teaching, taking into account subject-specific cultures.

Towards FAIR and Open Science

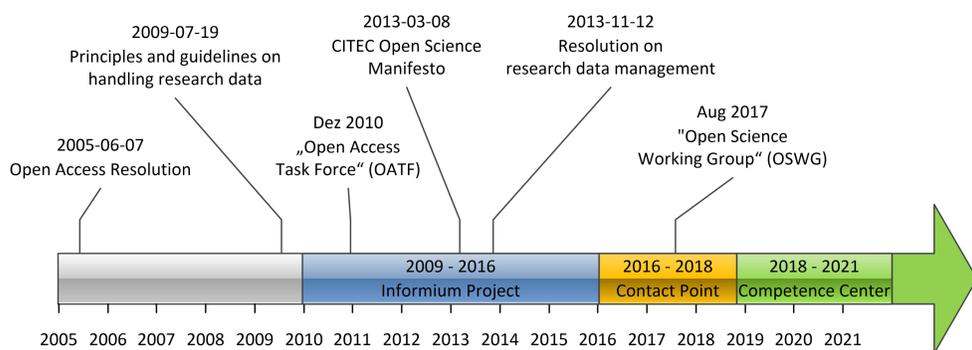


Principles, Resolutions and Milestones

Bielefeld University became the first university in Germany to **officially support Open Access in 2005**.

The importance of institutional research data management was recognised early on and tested in pilots involving researchers and the library as a central facility resulting in:

- Principles and Guidelines on handling research data (19 July 2011)
- CITEC Open Science Manifesto (08 March 2013)
- Resolution on Research Data Management (12 November 2013)



From Projects to Services

Bielefeld University with its library is involved in a variety of projects such as **open-access.network**, in supporting the Open Access Transformation, e.g. **OA2020-DE**, participates in **DEAL** and is active in the development and support of scholarly communication infrastructures such as **ORCID-DE**, **BASE** and **OpenAIRE**. Open Educational Resources are supported by the **Data Literacy Project** to start in March 2020 and by providing Panopto for lecture recordings.

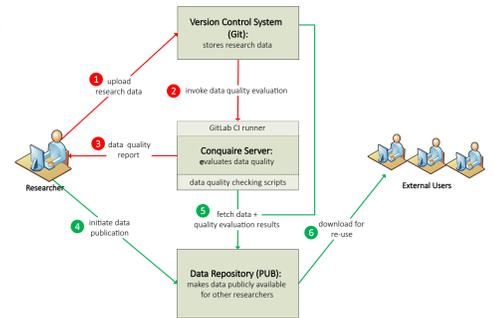
Publishing Platforms & Collaborative Tools

- PUB Institutional Repository, 66K items, **19 % Open Access**
- Hosting of 13 OJS journals
- BiUp - University Press, launched in 2019
- GitLab - for distributed version control of software and data

Conquaire - approach to improve data quality

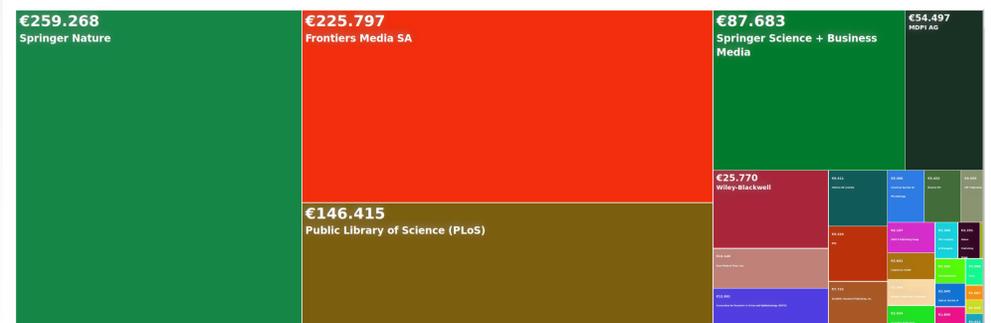
Prime directive: Not creating any extra effort for researchers, and not to stand in their way. Instead, we try to tap into their existing workflows in **4 easy steps**:

1. offer an institutional **GitLab** instance with Large File Storage
2. offer **training** in **Git** and GitLab as well as for **PUB** (see below)
3. offer **data quality checks** implemented in GitLab CI (see below)
4. connect GitLab to our institutional publication repository **PUB** for instant data publishing incl. **DOI** minting, **linking**, and **archiving**



Support Offers

- competence center for research data management
- Open Science and RDM training
- publication funds since 2010, 666 articles funded



Community building and Networking

- Open Science Network of Scholars@UniBi
- Partnership of university library and center for data science.
- Shaping awareness by different events: tools training, presentations from (invited) speakers, promotional material
- HackyHour to talk about code, tools and science
- Hosting of international discussion forums
 - "Ask Open Science", <http://www.ask-open-science.org>
 - "Peer-Review for physicists and astronomers", <http://www.physicsoverflow.org>

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