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FIZnews

Manifold contributions from FIZ Karlsruhe in the proceedings of the E- Science Days 2025

Karlsruhe, 06 November 2025 — From March 12 to 14, 2025, the research data management community gathered at the E-Science Days in Heidelberg and online. Under the motto “Research Data Management: Challenges in a Changing World,” the three-day event focused on current developments, challenges, and future prospects in digital science.

Research in the digital transformation requires strong structures and effective collaboration—this was also the tenor of many contributions. Topics such as data quality, publication strategies, the influence of AI on research data management, and dealing with geopolitical changes were discussed. The aim was to exchange experiences, learn from each other, and jointly find ways to make research data sustainable and openly accessible.

FIZ Karlsruhe was not only represented by several participants from the fields of intellectual property rights and e-research – research data management, but also significantly contributed to the conference proceedings that have now been published. Numerous contributions were made by FIZ employees, who brought their expertise and perspectives to the discussion. FIZ Karlsruhe is thus making an important contribution to the scientific discourse on data management and digital infrastructures.

The conference proceedings for E-Science Days 2025 are now available online free of charge. They are well worth a look for anyone interested in the opportunities and challenges of research data management in a constantly changing world.

Read the proceedings here: <https://doi.org/10.11588/heibooks.1652>

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The following contributions from FIZ employees are contained in the proceedings:

- Constantin Breß and Lea Sophie Singson: Pitfalls in the Field
- Patrick Brunner and Stefan Bavendiek (the latter is research assistant at the university of Hamburg): Secure Infrastructures and Protection of Personal Data: Approaches for the Development of the NFDIxCS Research Data Management Container
- Felix Bach, Linda Nierling, Christian Bonatto Minella and Angelina Sophie Dähms: The Impact of Digitalisation on Science: Workflows, Outputs, and Trust
- Stefan Hofmann, Kerstin Soltau, Michael Hoppe and Felix Bach: FIZ-OAI: Eine skalierbare Open-Source-Implementierung zur Aggregation und Dissemination von Metadaten mit OAI-PMH
- Kerstin Soltau, Stefan Hofmann, Sandra Göller and Felix Bach: New Developments in RADAR: Safeguarding and Publishing Research Data for Long-term Usability
- Dorothea Strecker, Kerstin Soltau and Felix Bach: How Are Research Data Referenced? The Use Case of the Research Data Repository RADAR
- Büttner, Maria et al. (Maria Büttner, Boris Jacob, Daniela Mertzen, Christian Riedel – all from the university of Potsdam; Kerstin Soltau from FIZ Karlsruhe) : Kooperation zwischen Universität und Informationsinfrastruktur – das Forschungsdatenrepositorium RADAR für Brandenburg, in Heuveline, Vincent et al. (eds.): E-Science-Tage 2025: Research Data Management: Challenges in a Changing World, Heidelberg: heiBOOKS, 2025, pp. 332–346.

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