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Dr. Weigel has a background in geoinformatics and computer science and works at the German Climate Computing Center (DKRZ) in the area of e-infrastructures at European and international level.

An advocate of persistent identifiers, machine-interpretable metadata and reusable software components for data management, Dr. Weigel has a strong interest in building innovative solutions across domains, and harnessing computer science concepts to make work with research data more productive and open.

Dr. Weigel has been extensively involved in data infrastructure projects, both cross-domain (EUDAT, EOSC-hub) and Earth System science specific (ESGF, IS-ENES). In EUDAT, he was responsible for the B2HANDLE service, which provides identifiers for cross-service data management and reaps the benefits of an identifier graph across multiple EOSC services.

In the EOSC-hub project, Tobias leads the service integration efforts for the ENES Climate Analytics Service (ECAS), which fosters a cultural change towards server-side data processing and mining with Python, improving reproducibility and re-use of research data workflows and circumventing data transfer, storage and compute bottlenecks.

As part of building overarching solutions based on software components, identifiers and metadata, Tobias has been active in the Research Data Alliance (RDA), co-leading multiple interest groups and working groups on data fabric and PID concepts. Tobias is a member of the RDA Technical Advisory Board and of the editorial board of the CODATA Data Science Journal

> "*We need to work with different communities across disciplines and consider the users' needs when providing FAIRness services and also implementing FAIR in EOSC. Plus, to increase the FAIRness levels of data and applications, we need to provide data management procedures in a much more automated way and create common interfaces, standards and specifications in infrastructures level*" - Tobias Weigel

TOBIAS WEIGEL CONTRIBUTION TO FAIRsFAIR

- Tobias Comentary about Open Science Fair 2019 (Porto, Portugal)
- Tobias's Interview at the Open Science Fair 2019 (Porto, Portugal)

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