

Organising collaborative data creation and analysis with the Data Workflow Management for Teaching

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Teachers often are confronted with the following questions when teaching students how to create and process data collaboratively:

- How do we organise students' work with data?
- How do we create a transparent overview of the data we need to work with?
- How do we enable students to work collaboratively on data without getting lost in the data processing?
- How do we ensure that all data in the course is prepared in the same way?
- How will students know when a dataset is ready for further processing?

The approach presented here shows how collaborative data creation and annotation in teaching can be organised by using the research data life cycle and issue boards with scoped labels.

Research Data Life Cycle and Workflow Board

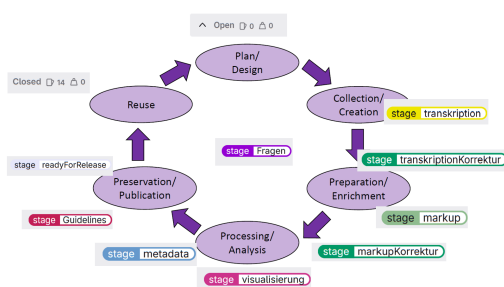


Abbildung 1: Abbildung aus Odebrecht et al. 2025.

Original position: left

We combine the process model *research data lifecycle* with an *issue board* using *scoped labels*. The scoped labels (a feature provided e.g. by the GitLab issue tracker) represent steps in discipline-specific data workflow. Issues represent a data file or set that needs to go through the entire workflow of the research data lifecycle. With the help of the board, students can track the progress of each *data issue* with the help of the board using the scoped labels.

We successfully tested the approach in two courses!

Reuse und connect

We publish the approach open access on Zendo: Odebrecht, C., Krause, T., Klotz, M., Mooshammer, C., & Althage, M. (2025). Corpus Data Teaching Workflow Board. Zenodo. doi: <https://zenodo.org/records/14810639>

The Data Workflow Management for Teaching is an output of the WG Git+ of the Interdisciplinary Centre for Digitality and Digital Methods at Campus Mitte.

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