What are the ideas and goals of the IO?

- Establish a **common understanding** of what exactly we mean when we talk about data literacy within DaLiCo
- ➤ Provide an **overview of data literacy activities** (at the partner institutions), physical and virtual infrastructure (like labs, digital libraries), resources (e-learning/hybrid modules or courses), tools, in order to makes these resources discoverable and accessible
- ➤ Link existing competencies/personal expertise, resources, projects and possible scenarios as well as good practice examples
- > Uncover existing gaps between needs and offers of data literacy education, bridging the gaps between data cultures and provide context
- ➤ Highlight and make visible the importance of data literacy education at the partner institutions by creating points of reference

How was the 10 implemented?

What are the results of the IO?

Based on the appraisal of research reviews in academic journals and theses, programmatic publications on data literacy education, lighthouse projects, like nationally or internationally awarded data literacy projects, we traced the current definitions of the concept of data literacy in order to shed light onto divergent understandings of the term data literacy.

Collecting pertinent vocabulary from key documents, existing vocabularies, curricula ...

Collecting pertinent resources in the field of data literacy education in Zotero and tag with keywords from Glossary and assign to DaLiCo Dimensions in order make them searchable and browsable

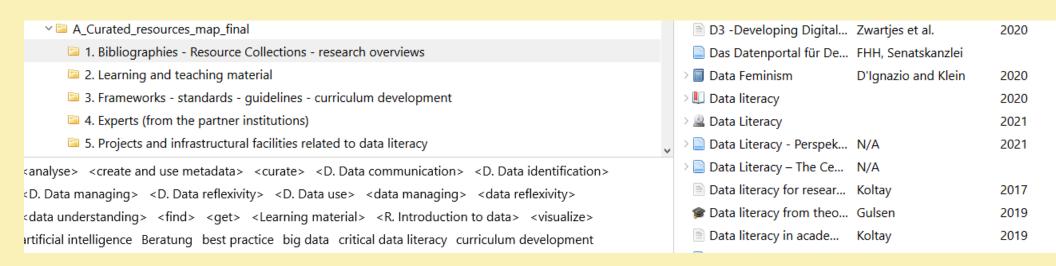
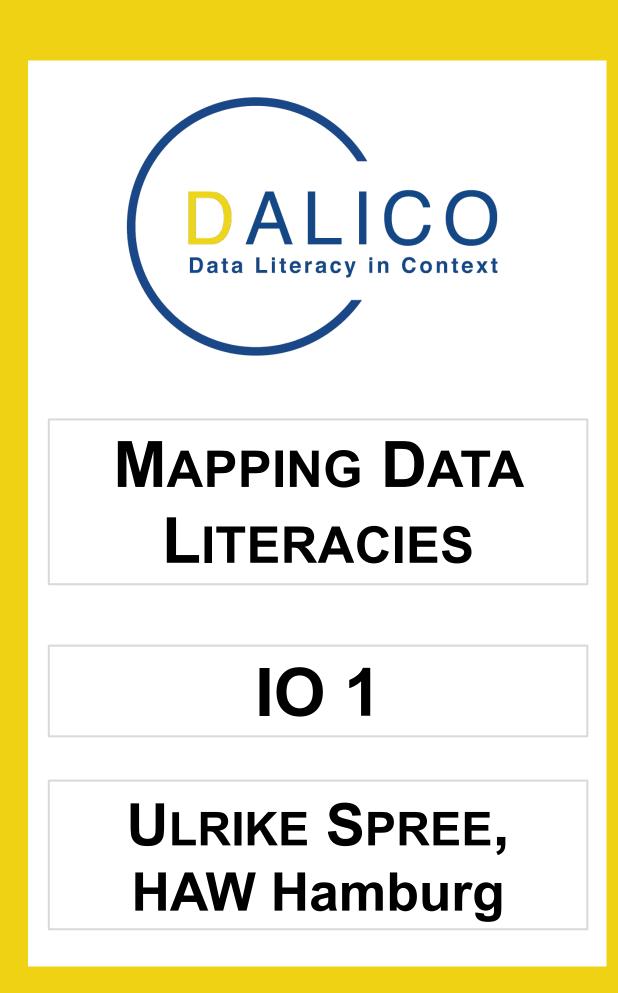


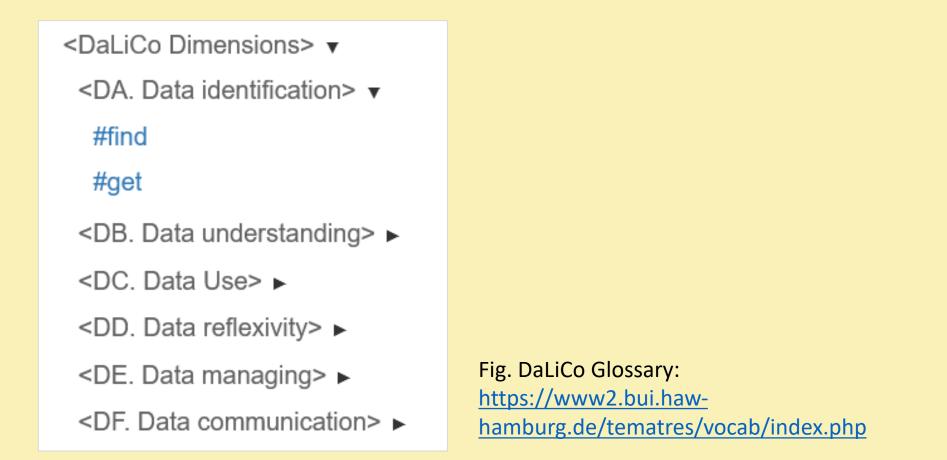
Fig. Screenshot of resource collection in Zotero

Explorative institutional analysis of the current state of data literacy education in order to find access to different domains. This was done by analysing personal competence levels of learners (students) as well as the currently addressed competence level in teaching expressed within selected curricula of the University of Applied Sciences (HAW Hamburg).



- → Paper: Conceptual clarification: data literacy is a multifaceted concept and serves as a kind of boundary object (Gläser/Spree 2022)
- → Concept and prototype of DaLiCo Glossary:

 Collate and bundle key concepts and competencies of data literacy education in an online glossary. Mapping of existing frames. Realised as a faceted thesaurus with the Open Source tool tematres



- → Curated collection of resources on data literacy education tagged with terms from the Glossary and browsable via the DaLiCo Frame (in Zotero)
- → Using Ridsdale matrix to inspire learner's reflection/visualization of their own handling of data

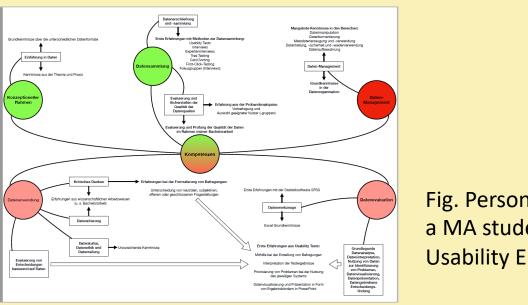


Fig. Personal Data Literacy Map of a MA student with experiences in Usability Engineering

What are ideas for future developments?

- → Export resource collection to web portal
- → Integrate the DaLiCo Glossary into Train-the-trainer-concept and Data Literacy Learning Space
- → Use the DaLiCo Glossary to automatically scrape content and update the list of resources





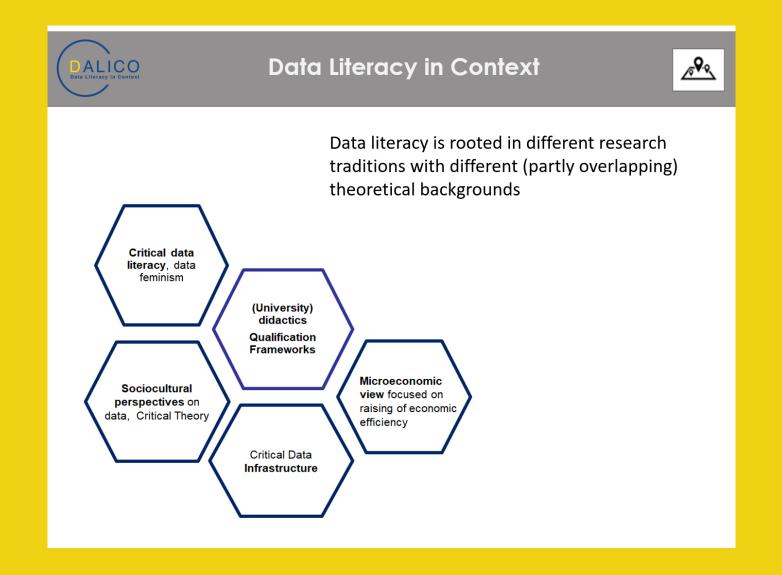


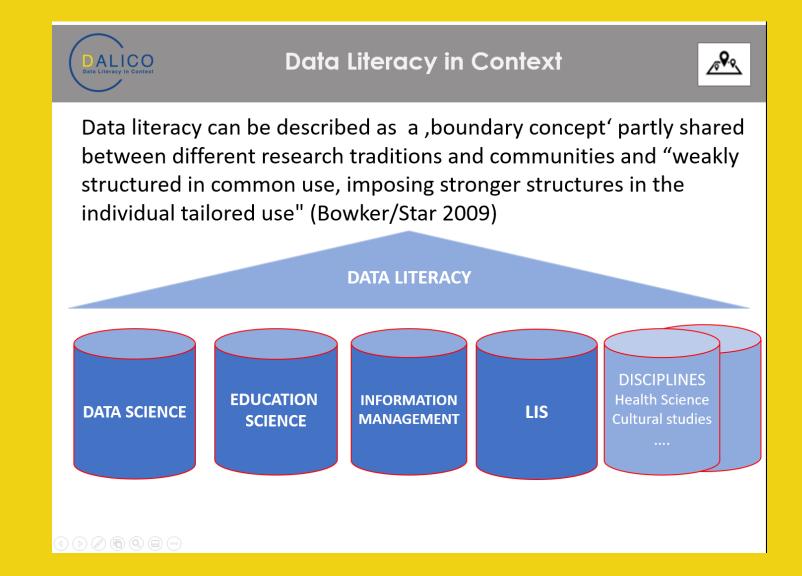




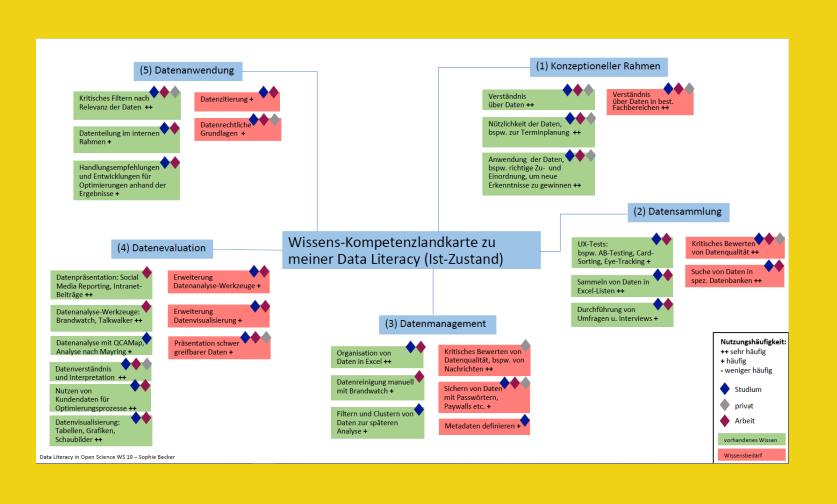
Appendix

Researching the use of the concept data literacy

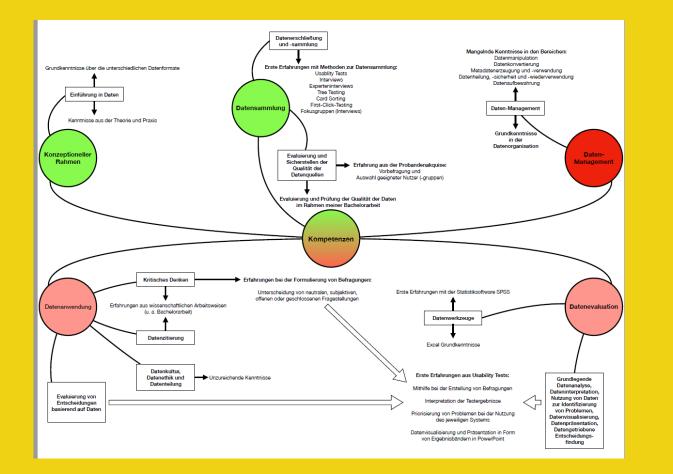


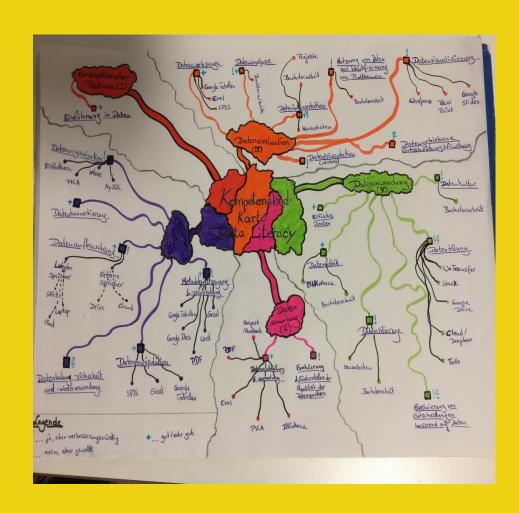


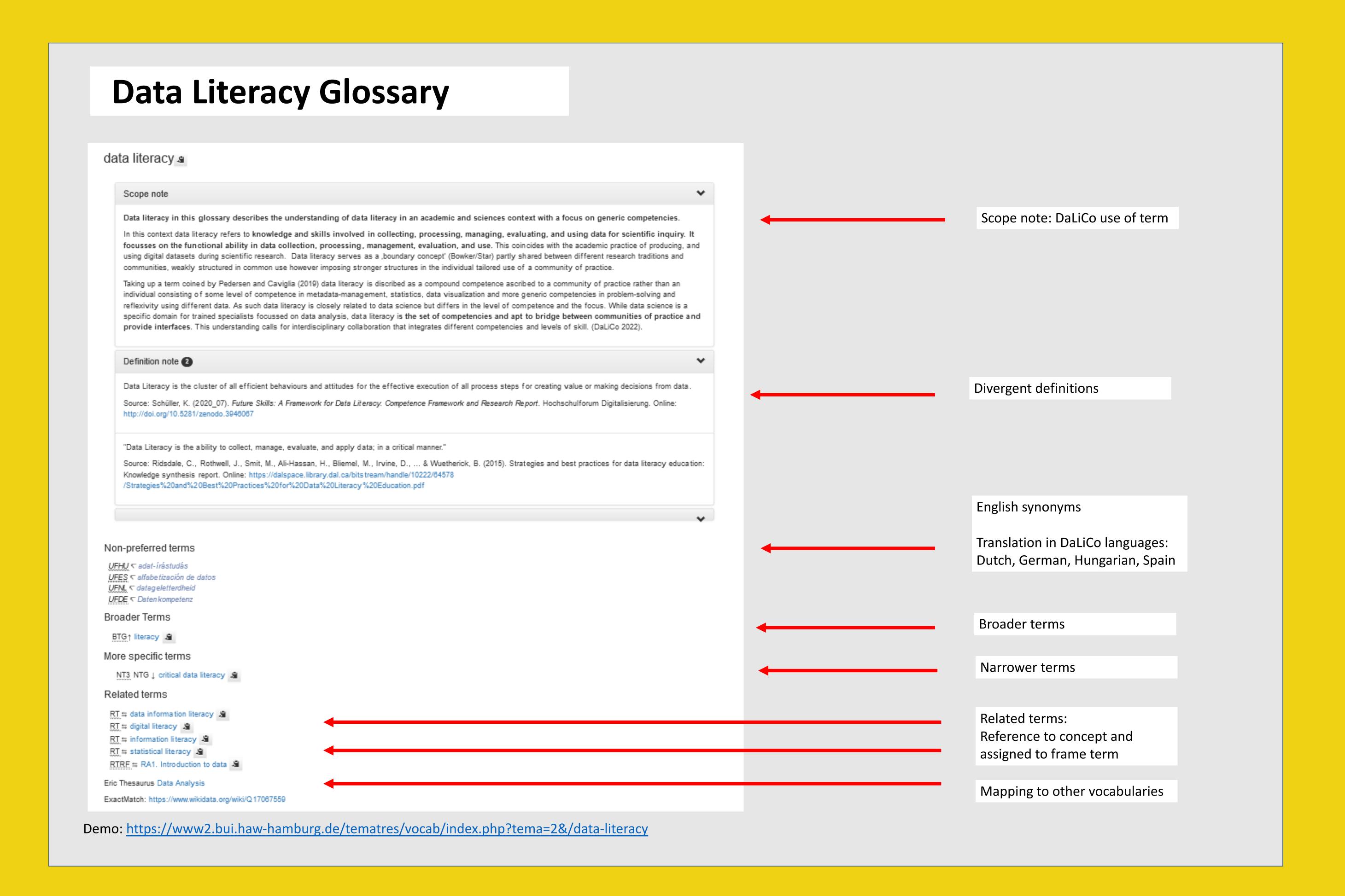
Using the data literacies competencies matrix (Ridsdale) to inspire learner's to visualise their personal data literacy











Publications:

Gläser, C., Spree, U. (2022). Finding Access Points for Data Literacy: The Example of the ERASMUS+ Project DaLiCo (Data Literacy in Context). In: Kurbanoğlu, S., Špiranec, S., Ünal, Y., Boustany, J., Kos, D. (eds) Information Literacy in a Post-Truth Era. ECIL 2021.

Communications in Computer and Information Science, vol 1533. Springer, Cham, p. 109-121









