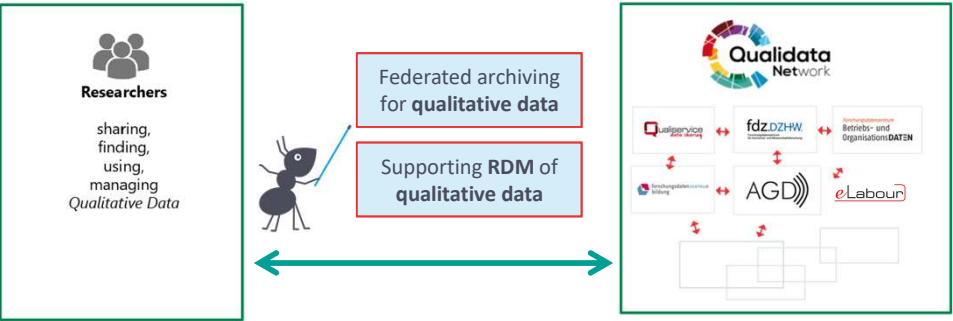# Improving interdisciplinary research with cross-domain metadata for qualitative data objects
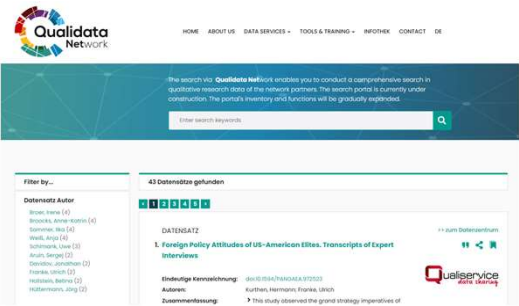
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3 University of Bremen

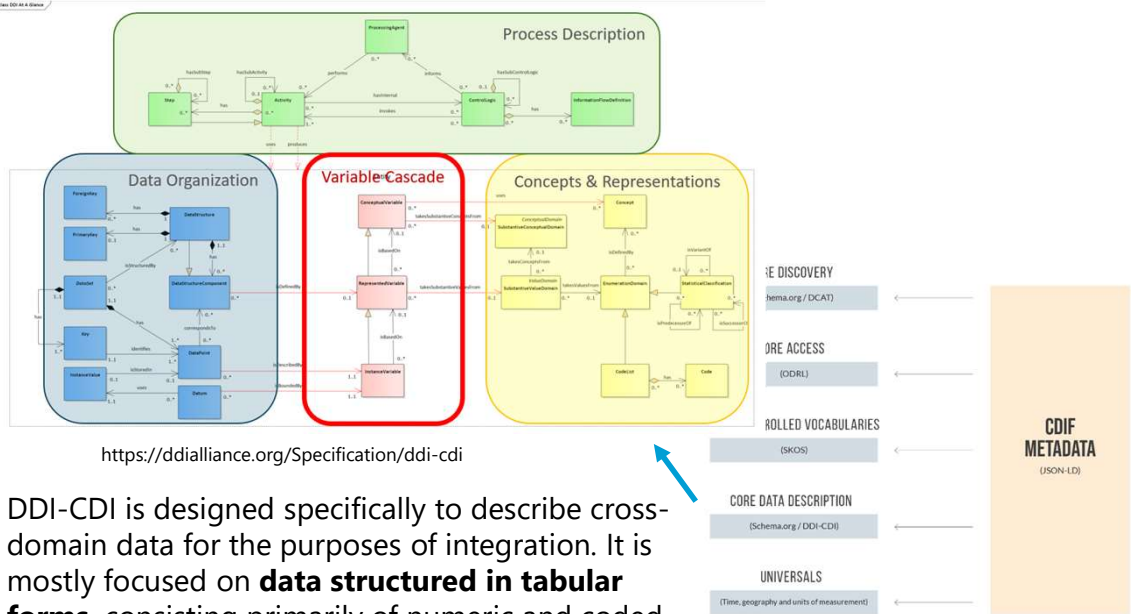## QualidataNet (KonsortSWD, NFDI)

QualidataNet :
German network provides a "central point of entry" and consultation on sharing and reusing qualitative data in the Social, Behavioural, Educational and Economic Sciences.

DDI Cross-Domain Integration Standard

DDI-CDI: designed to describe data and process from any domain for commonly used data structures (Wide, Long, Dimensional and Key-Value) at the lowest level of granularity (**datum**) to enable interoperability of disparate data.

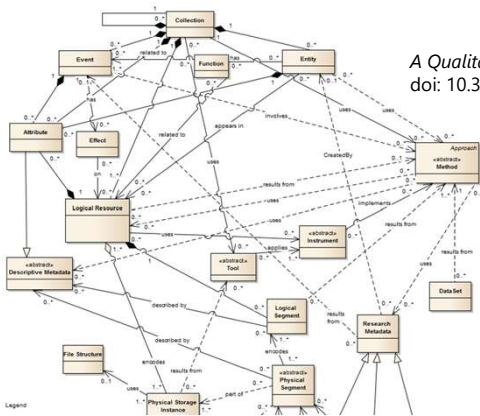https://ddialliance.org/Specification/ddi-cdi

DDI-CDI is designed specifically to describe cross-domain data for the purposes of integration. It is mostly focused on **data structured in tabular forms**, consisting primarily of numeric and coded measurements and their supporting attributes.

Cross-Domain Interoperability Framework (CDIF)
doi: 10.5281/zenodo.11236870

DDI-CDI Qualitative Data Subgroup

Originated at Dagstuhl in September 2023
Based on previous work of the DDI Alliance back in 2013

A Qualitative Data Model for DDI
doi: 10.3886/DDIWorkingPaper05

Goal: To create an extension of the DDI-CDI model to describe and integrate *less structured, non-numerical (**qualitative data**) types* so that any researcher, regardless of their research methods or discipline, can employ them for their own research questions and eventually combine them with other data.

Use Cases and Model Development

Purpose of the use cases:
✓ Get an overview of different types of qualitative data from various disciplines
✓ Understand how researchers and data curators work with qualitative data
✓ Get to know what is needed to prepare qualitative data
  - for analysis
  - for combination with other (types of) data
  - for import into different software

→ Ultimately, it is about finding ways to provide a machine-actionable description of data so that it can be exchanged, managed and reused in analysis.

Qualitative data refers to recordings that are not gathered in numerical form, regardless of methods or disciplines.

Representations (e.g. recordings) of objects, agents or entities, concepts, experiences or events

Resources that are the **inputs of the analysis** - any observation, evidence or fact represented digitally in the form of free text, images, video, sound, etc. that could serve as sources for extracting information.

Working Group Wiki-Site: https://ddi-alliance.atlassian.net/wiki/spaces/DDI4/pages/3083862017/