Research data management organiser

RDMO

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The Research Data Management Organiser (RDMO) enables and assists institutions as well as researchers to plan and carry out their management of research data. RDMO can assemble all relevant planning information and data management tasks across the whole life cycle of the research data.
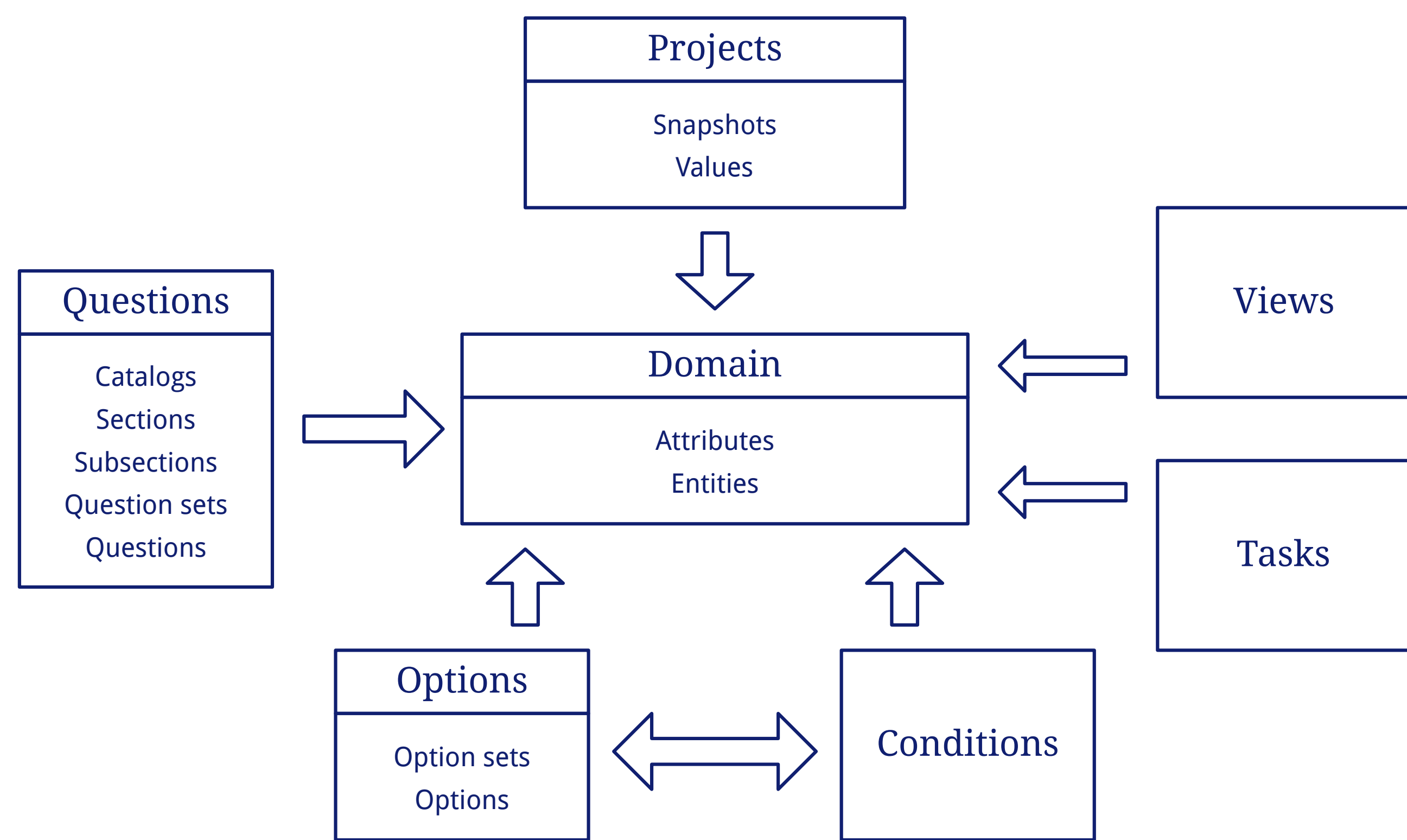
Organiser instead of plan

• Supports the whole lifetime of a project and beyond
• Engages all stakeholders, not only researchers and funders
• Tracks all relevant information for the data management
• Uses a structured interview for input
• Outputs a configurable DMP, creates Tasks, offers APIs

Local instead of central

• Full customization of the questionaire and the output
  • Disciplinary context of the particular research field
  • Local environment of the Institution
• Easily deployable for Universities or Infrastructure Providers
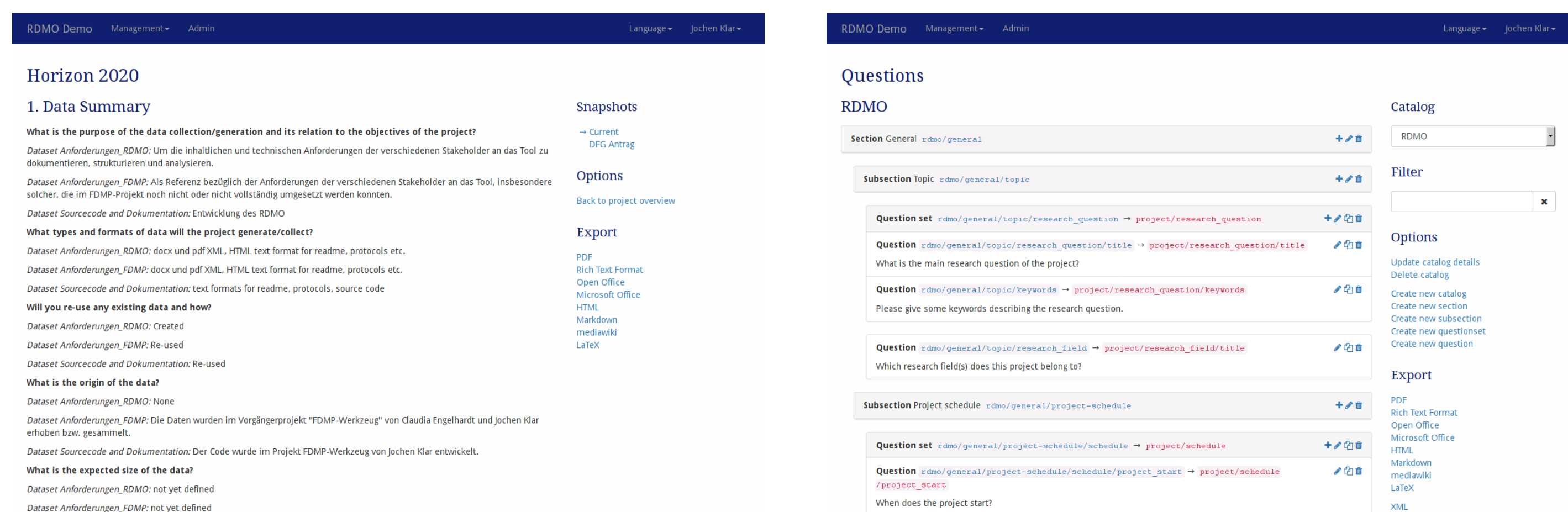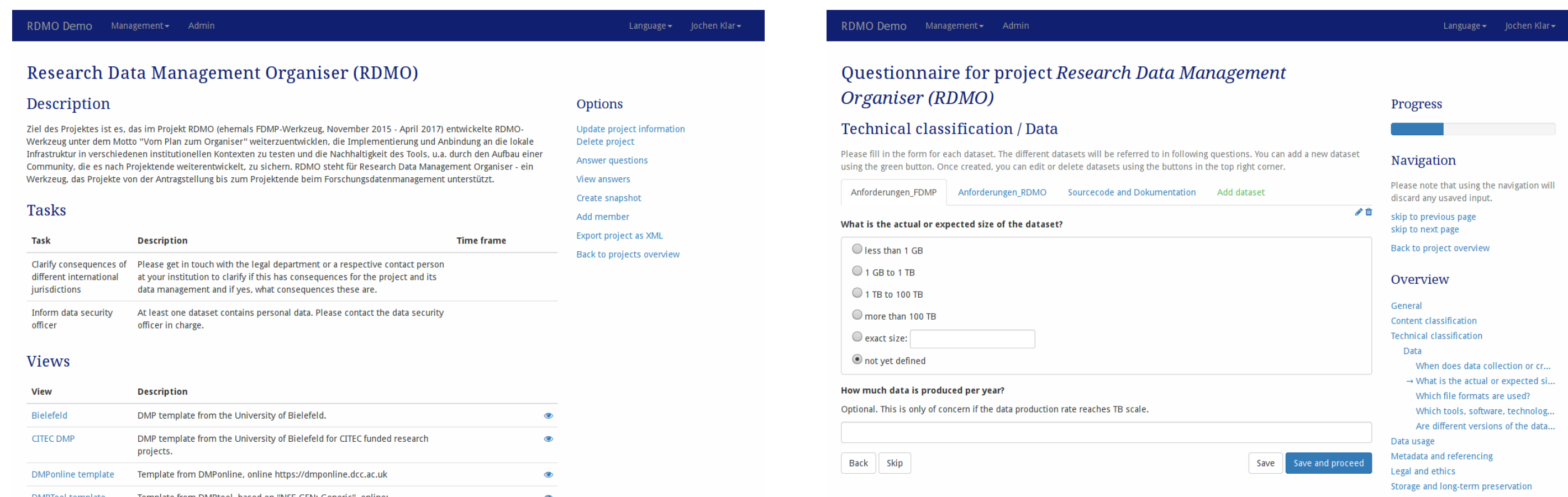• Supports custom styling and corporate design

Software

• Written in Python using Django and AngularJS
• Uses a relational database (MySQL, Postgres)
• Supports Shibboleth, LDAP and ORCID (OAuth2)
• Open Source using the Apache2 License, available on GitHub

Overview of the internal datamodel of RDMO.

In order to be customisable to any diciplinary or institutional environment, RDMO employs a sophisticated data model, which separates the questionaire from the given answers by a domain model.

We work to extend our domain model to an a metadata application profile to be able to exchange content between different RDMO instances as well as with DMP Tools. This is done in cooperation with the RDA DMP Common Standards WG.

Screenshots of the RDMO interface: (top left) project overview, (top right) page of the structured interview, (bottom left) generated Horizon 2020 DMP, (bottom right) management interface used to customise the questionaire.

RDMO is ready for application in smaller or bigger projects. In the current projectphase, which started November 2017, RDMO will be further developed and the project partners AIP, FHP, and KIT, will collaborate with the RDMO users to improve its usage.

The tool will be extended by improving its system of roles and by adding interfaces to institutional infrastructure, e.g. repositories, ticketing systems. Tutorials, documentation and other material are planned for dissemination, and workshops for users and developers.

Home Page
  rdmorganiser.github.io

Source code
  github.com/rdmorganiser

Documentation
  rdmo.readthedocs.io

Mailing list
  rdmo@listserv.dfn.de

Slack
  rdmo.slack.com

Demo
  rdmo.aip.de

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