Research data management organiser



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.

RDMO

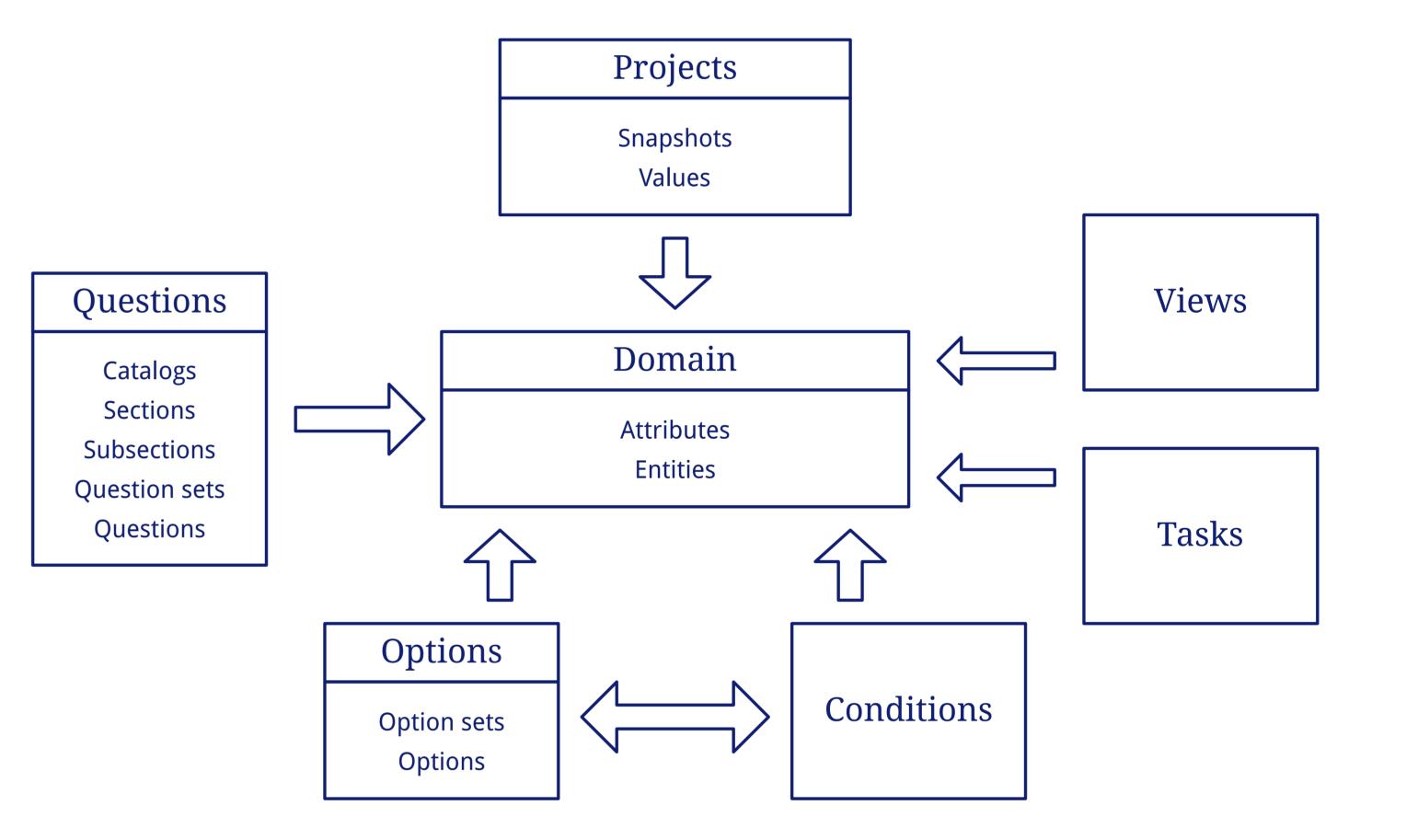
RDMO is ready for application in smaller or bigger projects. In the current project phase, RDMO will be further developed and the project partners AIP, FHP, and KIT, will collaborate with the RDMO users to improve its usage. The tool will be extended by improving its system of roles and by adding interfaces to institutional infrastructure, e.g. repositories, ticketing systems. Tutorials, documentation and other material are planned for dissemination, and workshops for users and developers.

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
- Open-Source, well documented and available on GitHub.

Research Da	ita Management Organiser (RDMO)			Questionnai	re for project Research Data Management
Description		Options	Organiser (RDMO)		
Ziel des Projektes ist es, das im Projekt RDMO (ehemals FDMP-Werkzeug, November 2015 - April 2017) entwickelte RDMO- Werkzeug unter dem Motto "Vom Plan zum Organiser" weiterzuentwicklen, die Implementierung und Anbindung an die lokale Infrastruktur in verschiedenen institutionellen Kontexten zu testen und die Nachhaltigkeit des Tools, u.a. durch den Aufbau eine Community, die es nach Projektende weiterentwickelt, zu sichern. RDMO steht für Research Data Management Organiser - ein Werkzeug, das Projekte von der Antragstellung bis zum Projektende beim Forschungsdatenmanagement unterstützt. Tasks		an die lokale en Aufbau einer rganiser - ein	Update project information Delete project Answer questions View answers Create snapshot Add member	Technical classification / Data Please fill in the form for each dataset. The different datasets will be referred to in following questions. You can using the green button. Once created, you can edit or delete datasets using the buttons in the top right corner. Anforderungen_FDMP Anforderungen_RDMO Sourcecode and Dokumentation Add dataset What is the actual or expected size of the dataset?	
Task	Description Time f	frame	Export project as XML	 less than 1 GB 1 GB to 1 TB 1 TB to 100 TB more than 100 TB exact size: not yet defined 	
Clarify consequences of different international jurisdictions Inform data security officer Views	Please get in touch with the legal department or a respective contact person at your institution to clarify if this has consequences for the project and its data management and if yes, what consequences these are. At least one dataset contains personal data. Please contact the data security officer in charge.		Back to projects overview		
View	Description			How much data is produ	iced per year?
Bielefeld	DMP template from the University of Bielefeld.	۲		Optional. This is only of co	oncern if the data production rate reaches TB scale.
CITEC DMP	DMP template from the University of Bielefeld for CITEC funded research projects.	۲			
DMPonline template	Template from DMPonline, online https://dmponline.dcc.ac.uk	۲		Back Skip	Save
DMPTool template	Template from DMPtool, based on "NSF-GEN: Generic", online:	۲			

RDMO Demo Management - Admin	Language 🗸 🛛 Jochen Klar 🗸	RDMO Demo Management - Admin	Language	
Horizon 2020		Questions		
1. Data Summary	Snapshots	RDMO	Catalog	
 What is the purpose of the data collection/generation and its relation to the objectives of the project? Dataset Anforderungen_RDMO: Um die inhaltlichen und technischen Anforderungen der verschiedenen Stakeholder an das Tool zu dokumentieren, strukturieren und analysieren. Dataset Anforderungen_FDMP: Als Referenz bezüglich der Anforderungen der verschiedenen Stakeholder an das Tool, insbesondere solcher, die im FDMP-Projekt noch nicht oder nicht vollständig umgesetzt werden konnten. Dataset Sourcecode and Dokumentation: Entwicklung des RDMO What types and formats of data will the project generate/collect? Dataset Anforderungen_RDMO: docx und pdf XML, HTML text format for readme, protocols etc. Dataset Sourcecode and Dokumentation: text formats for readme, protocols etc. 	→ Current DFG Antrag Options Back to project overview Export PDF Rich Text Format Open Office Microsoft Office	Section General rdmo/general Subsection Topic rdmo/general/topic Question set rdmo/general/topic/research_question → project/research_question Question rdmo/general/topic/research_question/title → project/research_question/title What is the main research question of the project? Question rdmo/general/topic/keywords → project/research_question/keywords	+ ♪ □ RDMO + ♪ □ Filter - ♪ △ □ Options Update catalog details Delete catalog ♪ △ □ Create new catalog	
Will you re-use any existing data and how? Dataset Anforderungen_RDMO: Created Dataset Anforderungen_FDMP: Re-used Dataset Sourcecode and Dokumentation: Re-used What is the origin of the data? Dataset Anforderungen_RDMO: None Dataset Anforderungen_FDMP: Die Daten wurden im Vorgängerprojekt "FDMP-Werkzeug" von Claudia Engelhardt und Jochen Klar erhoben bzw. gesammelt. Dataset Sourcecode and Dokumentation: Der Code wurde im Projekt FDMP-Werkzeug von Jochen Klar entwickelt.	HTML Markdown mediawiki LaTeX	Please give some keywords describing the research question. Question rdmo/general/topic/research_field → project/research_field/title Which research field(s) does this project belong to? Subsection Project schedule rdmo/general/project-schedule Question set rdmo/general/project-schedule → project/schedule → project/schedule	Create new section Create new subsection Create new questionset Create new questionset Create new question Export + 1 the PDF Rich Text Format Open Office Microsoft Office HTML	
What is the expected size of the data? Dataset Anforderungen_RDMO: not yet defined Dataset Anforderungen_FDMP: not yet defined		Question rdmo/general/project-schedule/schedule/project_start → project/schedule /project_start When does the project start?	Markdown mediawiki LaTeX XML	

Overview of the internal datamodel of RDMO.

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

Every piece of information about a user's project is represented by an attribute, which has a value type, and can have a unit. Attributes are further connected to option sets consisting of options. This allows to use a controlled vocabulary for the answers. Conditions implement logic between the attributes.

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

Home Page

Overviev

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

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.



