

● FDM-Werkstatt: Into the RDM Toolbox

Session 8:

Meet Jarves - The Joint Assistant for Research in Versatile Engineering Sciences

19.03.2024

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WZL | RWTH Aachen University
Intelligence in Quality Sensing (IQS)

The Problem



RDM is complex!

Do you have the overview?



Finding & applying
requirements



Knowing & choosing
the right tool

Where to find information?



What to learn?



Where to start?

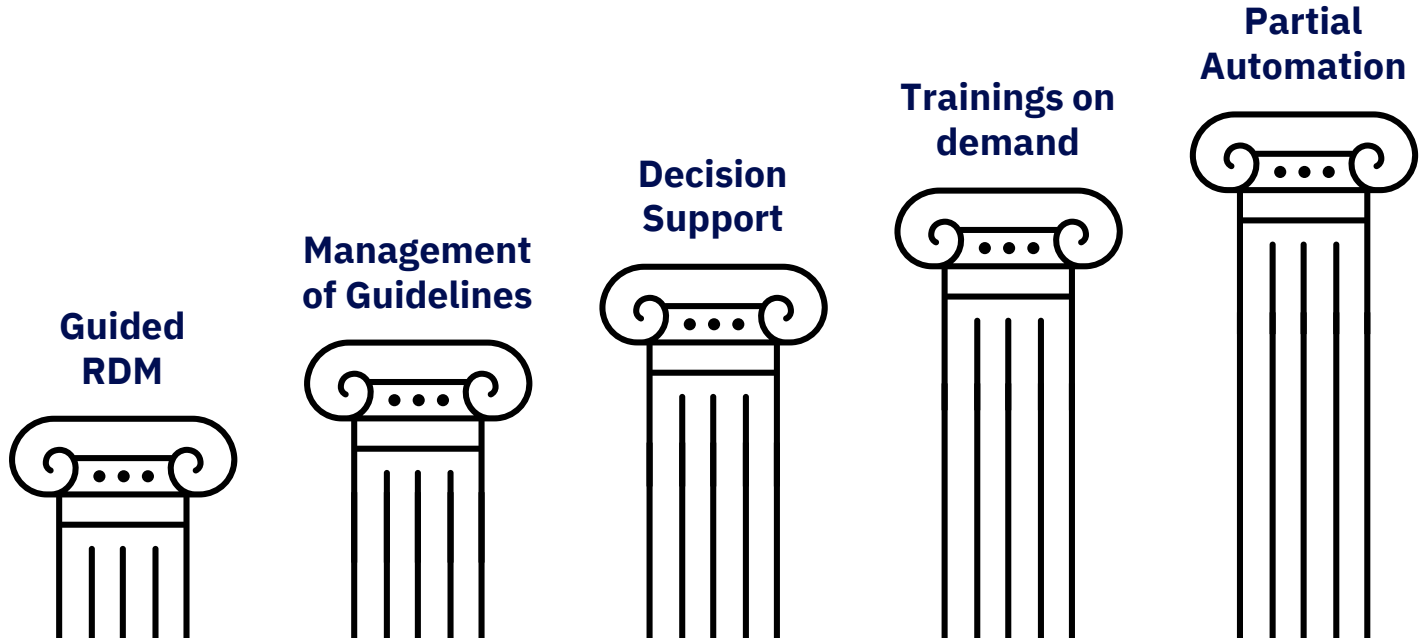


Learning & starting
RDM



A Joined Assistant in Research for Versatile Engineering Sciences

Based on five pillars:



The Pillars



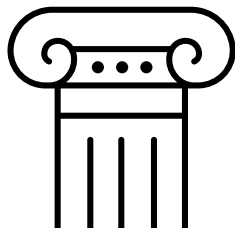
What comes first?

And what comes next?

Watch out:
Work in Progress!

Planning	Execution	Completion
<ul style="list-style-type: none"> • Conduct preparatory work • Document research idea • Clarify funding • Write proposal • Plan RDM 	<ul style="list-style-type: none"> • Project kick-off • Ongoing project management • Writing of publications • Content-wise execution • Conduct actual research 	<ul style="list-style-type: none"> • Write final report • Ensure reproducibility • Archive data • Finalise publication plan • Project conclusion

Guided RDM

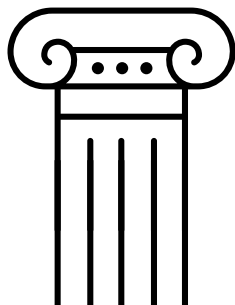




What should my RDM look like?

Your funding organisation demands different RDM than your university?

Management of Guidelines



Your Input

Your funding:

DFG



Your university:

RWTH AACHEN
UNIVERSITY



Your institution:

WZL



Your discipline:

Production Technology



Your RDM

DMP :

- Scope and content of the DMP
- Selection of a Questionnaire

Reuse of data:

- Sources for existing data and software code

Access solution:

- Data publication possibilities
- Licence guidance

...

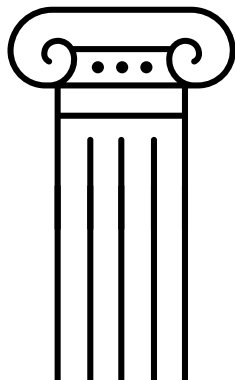
The Pillars



What tools should I use?

Get the right tools for the job right away.

Decision Support



Your RDM

DMP :

- Scope and content of the DMP
- Questionnaire to be used

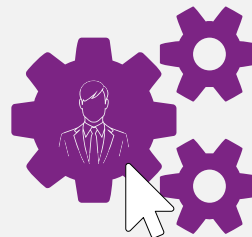
Reuse of data:

- Where to look for existing data and source code

Access solution:

- Where to publish data etc.
- What licenses to choose

...



Your Tools

DMP tool:



Code Repository:



Access solution:



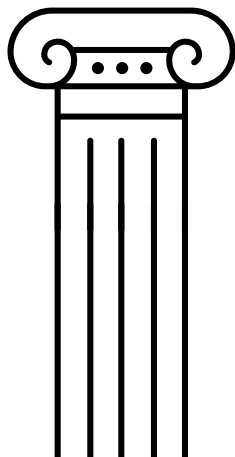
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What should I learn for my RDM?

Get tailored information just in time based on your requirements.

Trainings on demand



Your Tools

DMP tool:



Code Repository:



GitLab



GitHub



Access solution:



...

Your Training

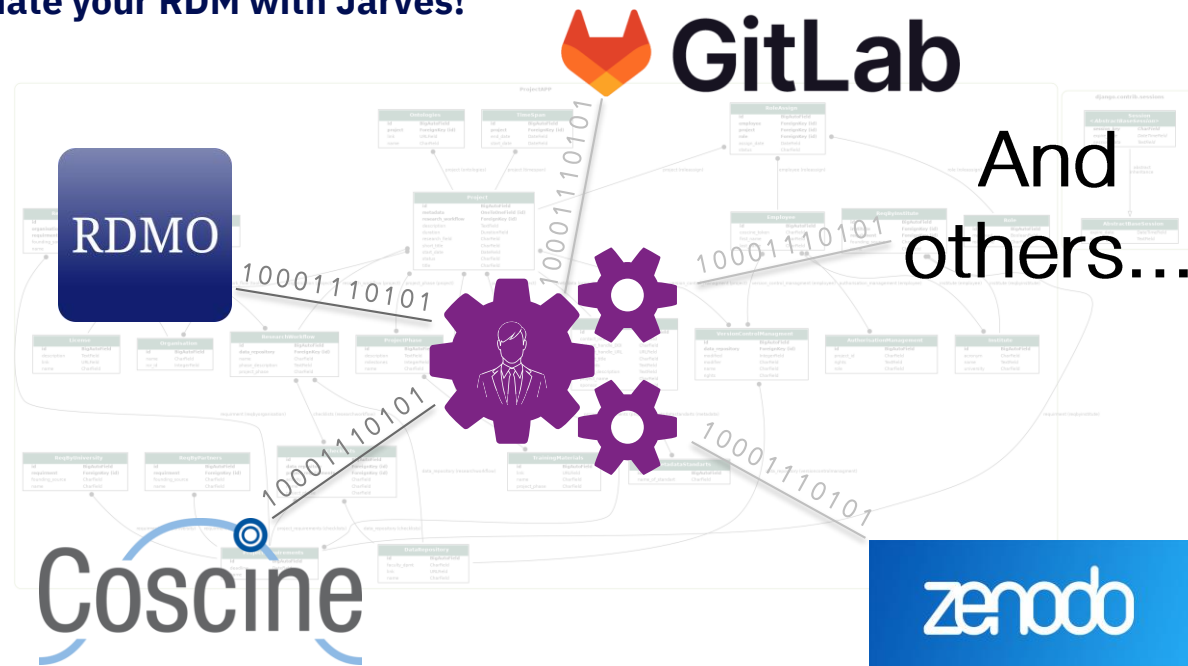
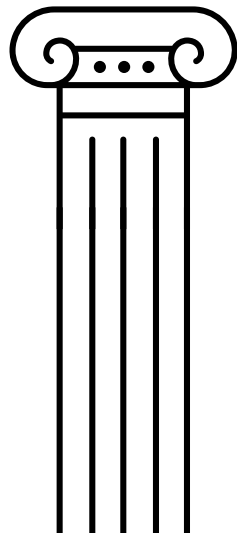
- [How to: DMPs ↗](#)
- [RDMO Tutorial ↗](#)
- [Versioning Source Code – A GitLab Tutorial ↗](#)
- [Coscine - FAIR play integrated right from the start ↗](#)
- [Zenodo 101 ↗](#)



Jarves, do my RDM!

Automate your RDM with Jarves!

Partial
Automation

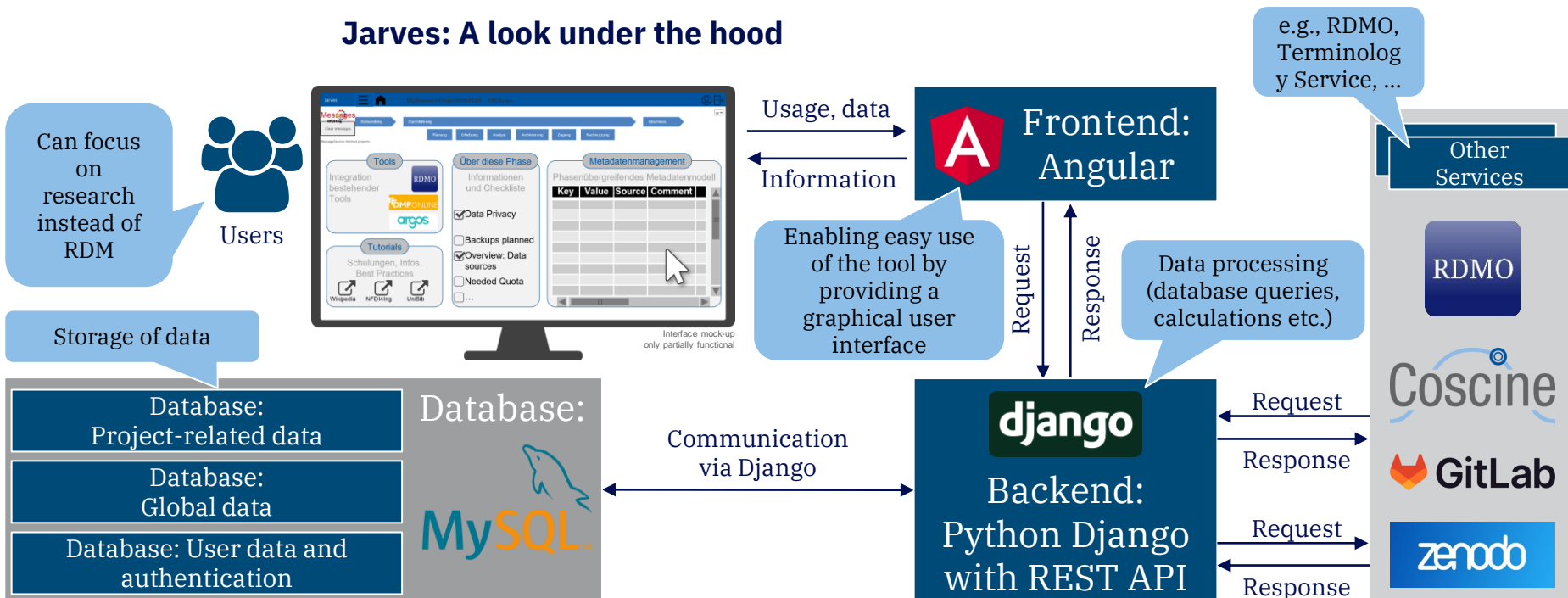


The Architecture



The Architecture

Jarves: A look under the hood



The Benefits



For RDM Beginners

Getting started with RDM? Start with Jarves!

Your funding:



Your university:



Your institution:



Your discipline:



Finding & applying
requirements

DMP tool:



Code Repository:



GitLab



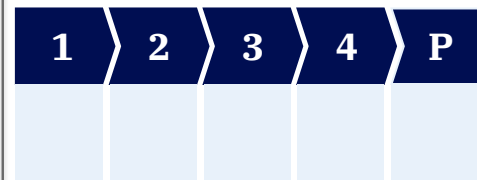
GitHub



Access solution:



Knowing & choosing
the right tool



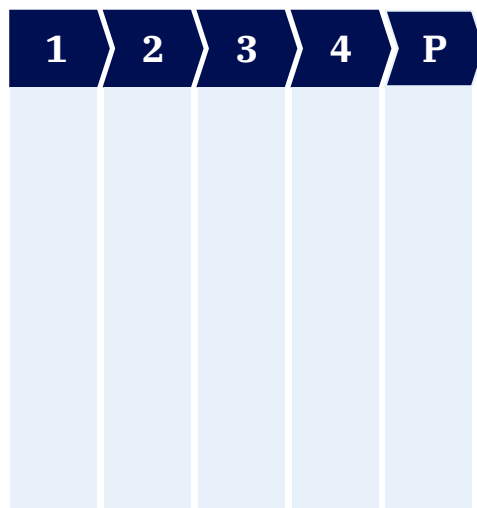
Learning & starting
RDM

The Benefits



For RDM Professionals

Get support with your tedious tasks!



Structure & Overview
for your RDM

Your funding:



Your university:



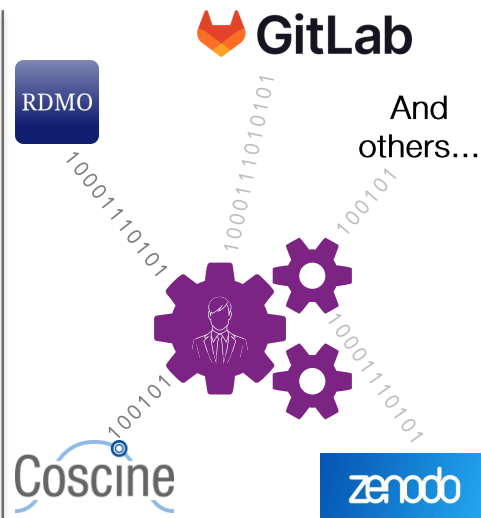
Your institution:



Your discipline:



Managing & Complying
demands

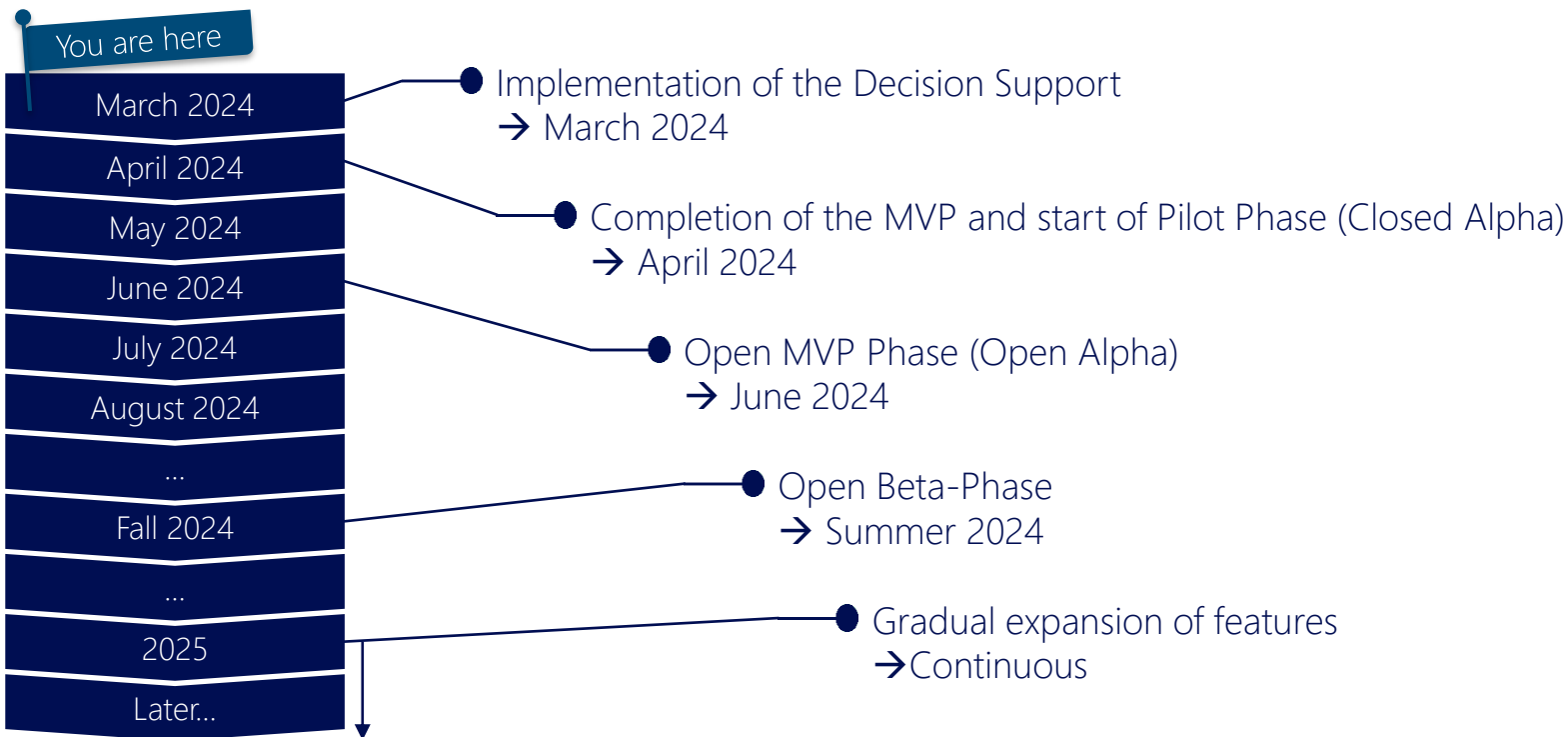


Automation & Support
to reduce effort

The Future



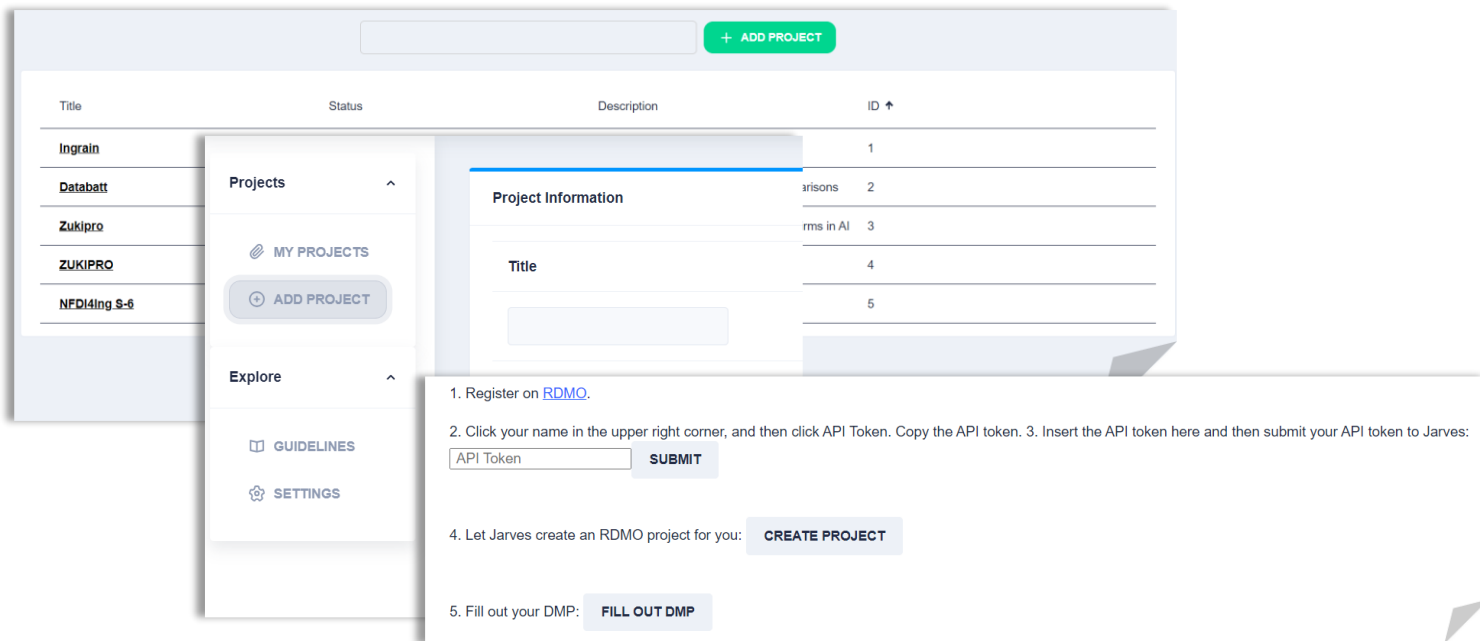
So... when can you use it?





Enough talking! Demo time!

Get a glimpse of what you can expect from Jarves!



The screenshot displays the Jarves web application. At the top, there is a search bar and a green '+ ADD PROJECT' button. Below this is a table with columns: Title, Status, Description, and ID ↑. The table lists several projects: Ingrain, Databatt, Zukipro, ZUKIPRO, and NFDi4ing S-6. A sidebar on the left contains navigation options: Projects (with a sub-menu 'MY PROJECTS' and an 'ADD PROJECT' button), Explore (with sub-menus 'GUIDELINES' and 'SETTINGS'), and a 'CREATE PROJECT' button. A modal window in the foreground provides a 5-step guide for using Jarves: 1. Register on [RDMO](#). 2. Click your name in the upper right corner, and then click API Token. Copy the API token. 3. Insert the API token here and then submit your API token to Jarves: (with an input field for 'API Token' and a 'SUBMIT' button). 4. Let Jarves create an RDMO project for you: (with a 'CREATE PROJECT' button). 5. Fill out your DMP: (with a 'FILL OUT DMP' button).

● Thank you for your attention!

You can find this presentation at: <https://doi.org/10.5281/zenodo.10839104>



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License

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