



NFDI4Ing Conference 2023

Jarves: The Digital Data Steward for Engineering Science Research

27.09.2023

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The Problem

27.09.2023 - Slide 2



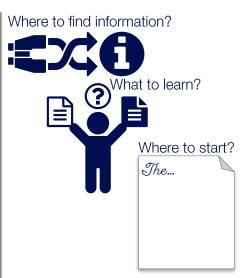
RDM is complex!

Do you have the overview?



Finding & applying requirements





Learning & starting RDM





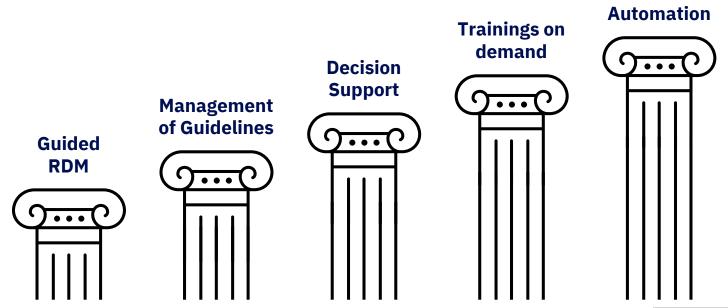
Partial

Our Solution



A Joined Assistant in Research for Versatile Engineering Sciences

Based on five pillars:









What comes first?

And what comes next?

Planning Production Analysis Publish Storage 1. Proposal 1. Plan 1. Prepate 1. Data 1. Select data selection 2. Prepare 2. Select 2. Respon-2. Analyse sibilities 2. Storage medium 3. Implement 3. Document medium 3. Funding 3. Prepare 4. Perform demands 3. Format 4. Metadata 5. Store 4. DMP 4. Test 5. Licence 6. Describe 5. Existing 5. Archive 6. Embargo resources Watch out: Work in Progress! 7. Publish • • •

Guided RDM



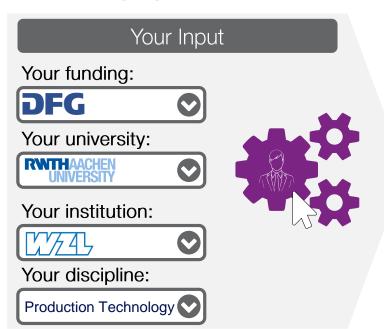
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What should my RDM look like?

Your funding organisation demands different RDM than your university?



Your RDM

DMP:

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

Reuse of data:

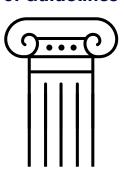
 Sources for existing data and software code

Access solution:

- Data publication possibilities
- Licence guidance

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Management of Guidelines



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The Pillars

Decision

Support



What tools should I use?

Get the right tools for the job right away.

Your RDM

р.

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: **MPONLINE** Code Repository: **₩** GitLab **GitHub** Access solution: Coscine zenodo

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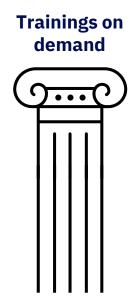






What should I learn for my RDM?

Get tailored information just in time based on your requirements.





Your Training

- ► How to: DMPs /
- ➤ RDMO Tutorial ৴
- Coscine FAIR play integrated right from the
- Zenodo 101
 Zenod

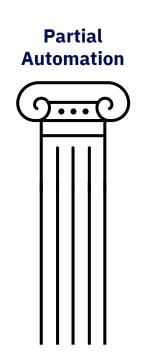
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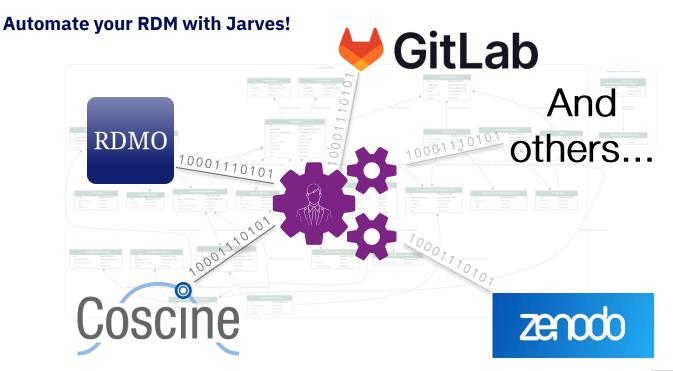


The Pillars



Jarves, do my RDM!



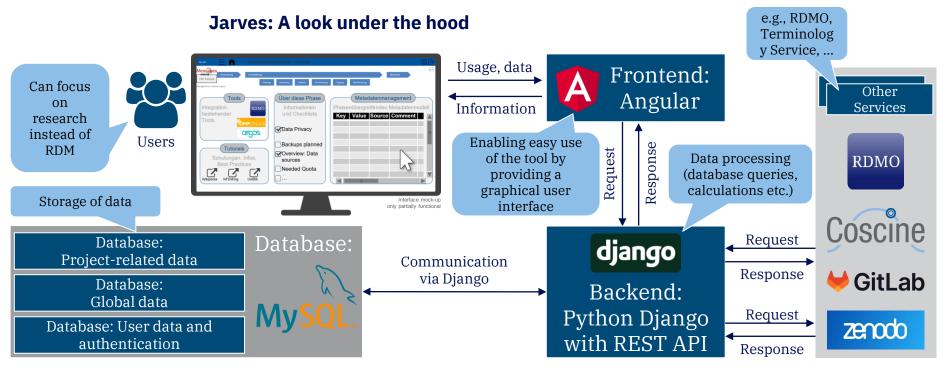




The Architecture



The Architecture





The Benefits



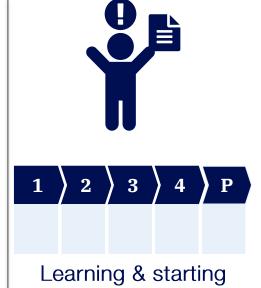
For RDM Beginners

Getting started with RDM? Start with Jarves!



Finding & applying requirements





RDM

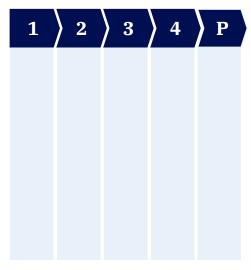


The Benefits



For RDM Professionals

Get support with your tedious tasks!



Structure & Overview for your RDM

Your funding:

Your university:

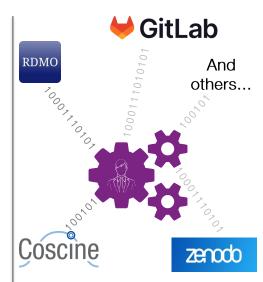
RWTHAACHEN
UNIVERSITY

Your institution:

Your discipline:

Production Technology

Managing & Complying demands



Automation & Support to reduce effort

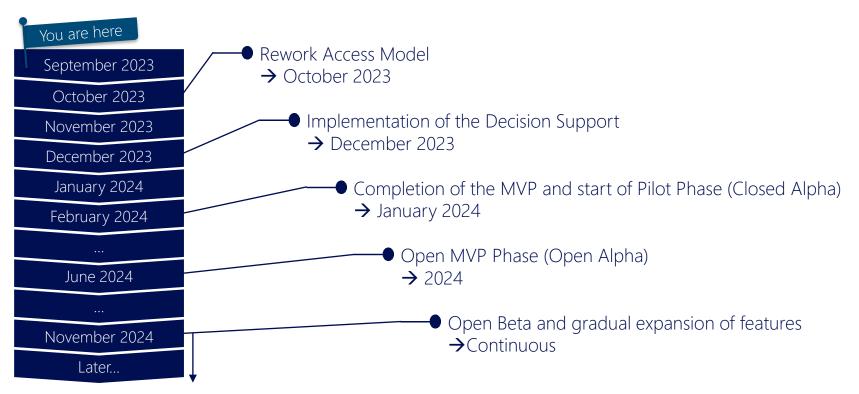




The Future



So... when can you use it?

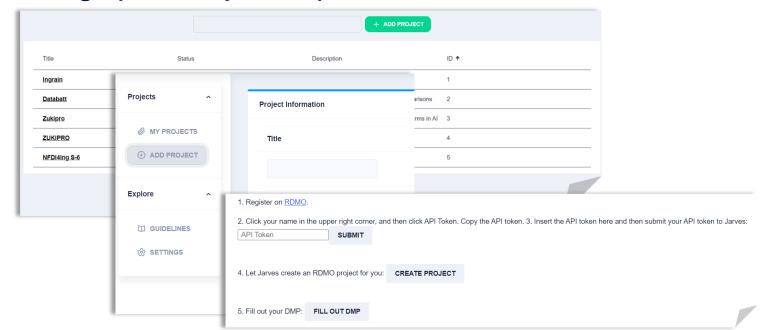






Enough talking! Demo time!

Get a glimpse of what you can expect from Jarves!





Thank you for your attention!

You can find this presentation at: https://doi.org/10.5281/zenodo.8378835





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