

MARRYING RESEARCH DATA AND THEIR MANAGEMENT PLANS

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Research data repositories and maDMPs

- You know research data repositories
 - Like InvenioRDM 😊

INVENIO RDM

- And data management plans
 - Also the [machine-actionable](#) kind

DAMAP

Problem: At the beginning of the project

Better write up that mandatory DMP now, before I get started



Title: "Metaheuristics for TSP"

Distribution at: Institutional Repository

Files:

- README.md
- problem-instances.zip
- sample-solutions.zip
- results.csv



DAMAP

Intermezzo: Doing some research...

If you're not producing
data, you're not doing
research!



iiioio

problem-instances.zip

iiioio

README.md

iiioio

results.csv

iiioio

sample-solutions.zip

Problem: At the end of the project

Better upload my
new dataset to the
repository



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INVENIQ RDM

Problem: A brief moment later



... wait a
minute!



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INVENIO RDM

The logo for INVENIO RDM features two stylized database cylinder icons above the text. The word "INVENIO" is in a grey, rounded font, and "RDM" is in a larger, orange, rounded font.

DAMAP

The logo for DAMAP features two stylized database cylinder icons above the text. The word "DAMAP" is in a bold, black, rounded font with a white outline.

How can we remedy this?

...

How can we remedy this?



But... Didn't others do that already?

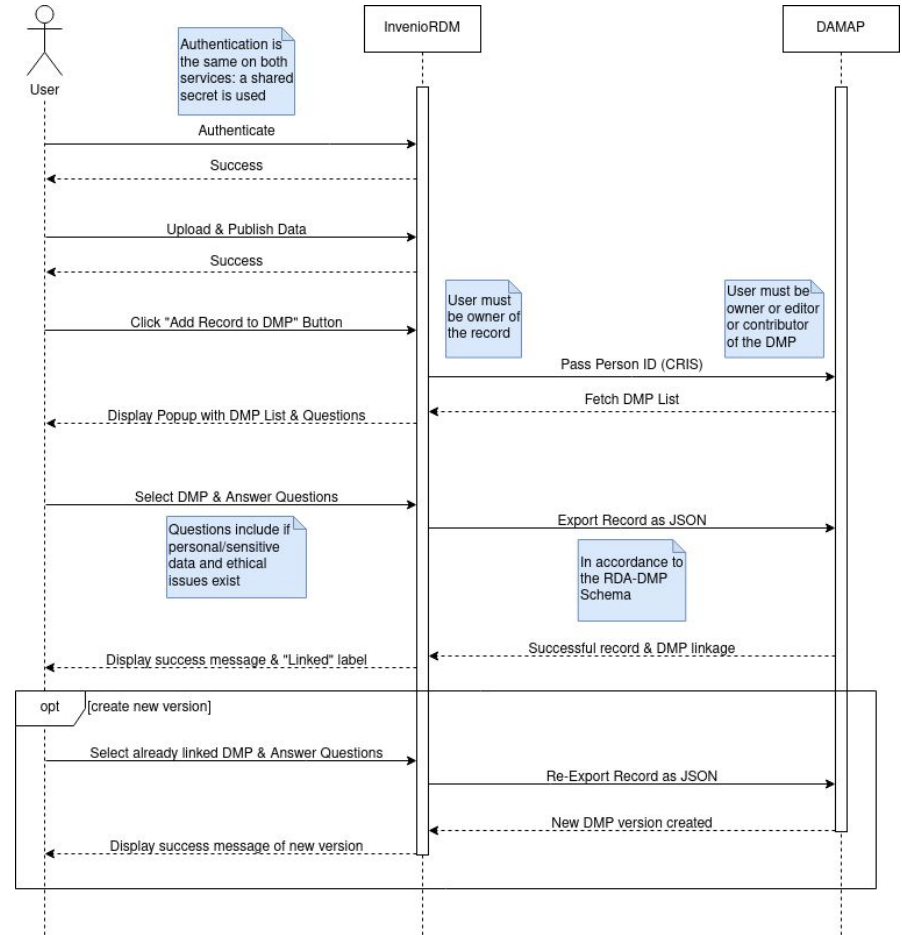
[Haplo](#) already married DMPs into their data repository a [few years back](#)

But we are going for that long-distance relationship!

How do we do it?

Via a workflow that utilizes...

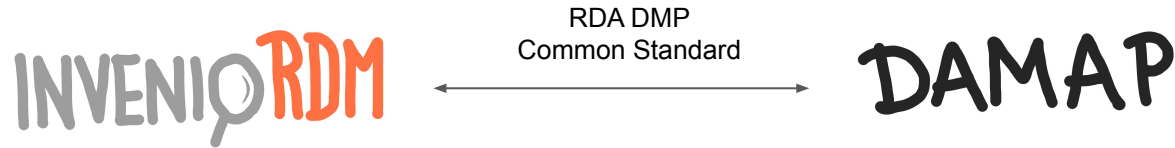
- Communication between the systems
- Specific new endpoints in both systems
- A neutral data format



What's so special about it?

We try to keep the communication protocol very service-agnostic

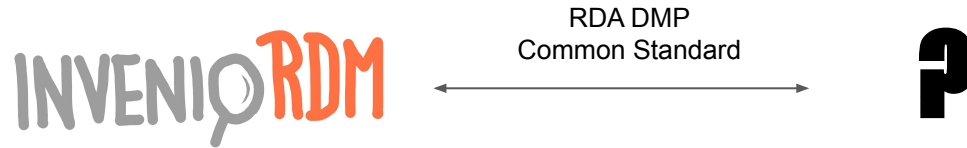
→ Any repository can talk to any DMP tool



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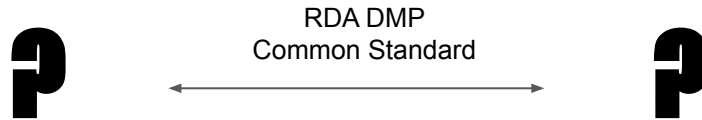
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Why not fetch the info from a knowledge graph?

Like OpenAIRE, DataCite, CrossRef, ...

Why not fetch the info from a knowledge graph?

Like OpenAIRE, DataCite, CrossRef, ...

Because we want it to be fast!



But... Isn't this trivial?

Unfortunately **not** 😞

There has been some [work done](#) on the topic of fully syncing information

→ Turns out that's pretty hard

So instead, we're going for *minimally invasive but still useful* integration

→ For a start just a small core functionality, to be extended later

Time for a quick demo



Future outlook

Integration in the other direction:

New dataset reported in DMP → create record draft in InvenioRDM

Depends on upcoming real-life use cases

Do *you* have any for us? 😊

Where's the code though?



All on GitHub:

- Invenio module: <https://github.com/fair-data-austria/invenio-damap>
- Damap code: <https://github.com/tuwien-csd/damap-backend>

Thanks for your attention!

Questions?

Thanks for your attention!

Contact

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