

POSTER

Title: DAMAP: a tool for machine-actionable Data Management Plans

Authors

- Derek Molnar, TU Wien
- Tomasz Miksa, TU Wien
- Christiane Stork, TU Wien
- Valentin Futterer, TU Wien
- David Eckhard, TU Graz
- Laura Thaci, TU Graz

Abstract:

Background

- A data management plan (DMP) is a structured guide which keeps a record of what research data is created and what happens to that data during and after a project.
- A basic DMP tool guides researchers through the creation of a DMP

Problem

- Many DMP tools are not fully developed. They:
 - Do not realize the full potential of integration with CRIS, resulting in additional work for the research team to fill out their DMP.
 - Have little or no machine-actionability, meaning there is limited potential for other systems to access the data, unnecessarily restricting the sharing of data.
 - Duplicate questions within the tool and have no methods for guiding the user through completing a complex DMP.
 - Are often difficult to use and customize.

Current Status and Proposed Solution

- Various DMP tools have been developed to support researchers in completing DMPs. We have created a comprehensive DMP tool, DAMAP, and invite other institutions to join us to enhance and expand its capability. DAMAP is currently deployed at several Austrian universities involved in national projects, such as Shared RDM Services & Infrastructure.
- DAMAP is a machine-actionable Data Management Plan (maDMP) tool that guides researchers through the creation of a DMP incorporating relevant CRIS infrastructure to more quickly and accurately allow them to complete plans that align to FAIR data practices.
- DAMAP:
 - guides researchers step-by-step through the different sections of a DMP following the Science Europe's Practical Guide to the International Alignment of Research Data Management.
 - saves researchers work by pre-filling content with detailed information from your institutions' CRIS and other systems.
 - provides wizards, guidance, and lists to choose from to help the researchers of your institution complete their DMPs quickly and thoroughly, while aligning to FAIR Data principles.
 - exports a pre-filled DMP as a Word document formatted specifically for funders or particular funding programs, e.g., Horizon Europe, Science Europe, that can be further customized as needed.

Keywords:

- machine actionable
- Data Management Plan
- maDMPs
- DMP
- CRIS