



Machine-actionable DMP workshop: defining requirements and priorities in the South African context

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CSIR Knowledge Commons, Tshwane/Pretoria

Data Management Plans (DMPs) are becoming commonplace across the globe, but opportunities are being missed to make the best use of the data and truly support researchers' practices. The current manifestation of a DMP—a static pdf/doc/txt file created before a project even begins—only contributes to the perception that they are an annoying administrative exercise. What they really are is an integral part of research practice since today most research (across all disciplines) involves data, code, and other digital components. So can we reimagine DMPs in this context?

This workshop will address ideas for making DMPs machine-actionable and integrating them with other tools and services to embed the DMP in existing research workflows. Brainstorming and discussion sessions will give participants an opportunity to define and prioritise use cases that connect the DMP to support services and make the best use of the data.

Programme:

7:30-8:00	Coffee/Tea	
8:00-8:05	Welcome and introductory remarks	Niklas Zimmer
8:05-8:15	Introduction on workshop aims and scope	Sarah Jones
8:15-9:00	An overview to Active DMPs	Sarah Jones
9:00-10:30	Activity: where do DMPs sit in the lifecycle and what systems could be integrated <ol style="list-style-type: none">1. Mind map typical research workflows2. Highlight tools and systems that interface with DMPs and map these onto the workflow3. Consider which data could be fed automatically from these systems into DMPs or vice versa?	Sarah Jones and Facilitators



10:30-11:00	Coffee/Tea	
11:00-12:15	<p>Group discussion</p> <ul style="list-style-type: none">• Describe / share the research workflows and where DMPs fit into them• Which systems/services are relevant in the workflow and should connect with DMP tools?• What can be automated and what will always have to be completed manually?• How can we get more value from DMPs? (e.g. by open publishing, package DMPs together with data etc.)	Sarah Jones and Facilitators
12:15-13:00	Overview of the DMP Roadmap project, and progress made	Sarah Jones
13:00-14:00	Lunch	
14:00-15:30	<p>Defining use cases for machine-actionable DMPs</p> <p>Groups will be allocated to one of the following topics and asked to work through scenarios to identify the priority use cases in the South African context.</p> <ul style="list-style-type: none">• Institutional e.g. integration with CRIS systems, output tracking, calculating data storage requirements, costing data management...• Repository e.g. alerts to forthcoming data deposits, sharing PIDs once data are published, making repository recommendations...• Data discovery e.g. alerts to relevant data being published, using PIDs to link outputs and update CVs...	Sarah Jones & Facilitators

	<ul style="list-style-type: none"> • Evaluation and monitoring e.g. notifications of data deposit / policy requirements being met, structured questions and automated assessment... 	
15:30-16:00	Questions and closure	

Workshop Presenter:



Sarah Jones is Associate Director at the Digital Curation Centre, a service to support the higher education sector with research data management. She coordinates work on the DCC’s Data Management Planning tool - DMPonline - and undertakes research on data policy and data management planning. She has written several articles and book chapters on these topics, and co-edited *Delivering Research Data Management Services: fundamentals of good practice*. Sarah provides advisory services, training and consultancy via the DCC and is involved in the FOSTER+, OpenAIRE and Research Data Alliance projects. She is also rapporteur on the European Commission’s FAIR Data Expert Group. Her work in a European context focuses primarily on training and data management planning to facilitate open science and compliance with Horizon 2020 requirements.