

# Open Science Tools and Data Management Plans

4<sup>th</sup> of December 2017 (13:30 – 17:00)

CCB Room I80/82 01M.01.490

Innrain 80/82

6020 Innsbruck

## Part one:

### Open Science Tools in Open Science Workflow Open Science in Practice

**Speaker: Dr. Peter Kraker**

Over the last few years, Open Science has emerged as an effective way of improving the quality and accessibility of scientific findings.

In my talk, I will provide researchers and administrators with hands-on examples of Open Science tools and workflows, and show how they can implement Open Science into their daily scientific routines.

We will also examine deficits of scholarly communication and evaluation, and how Open Science can help overcome these deficits.

Topics covered:

- Open Science tools & workflows
- Innovative dissemination & engagement
- Alternative metrics for science (altmetrics)
- The Vienna Principles: A vision for scholarly communication in the 21st century

There will be ample time for questions and discussion.

## Part two:

### Managing Research Data and Data Management Plans

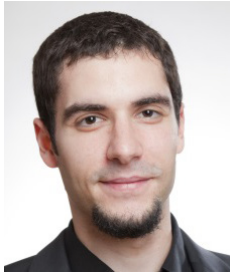
**Speaker: Dr. Tomasz Miksa**

Modern research requires special tooling, software and processes that allow researchers to link, transform, visualise and interpret the data. Lack of proper data management practices can lead in extreme cases to irreversible loss of data. As a consequence, reproducibility of scientific experiments can be questioned. This in turn reduces trust in scientific findings and undermines reputation of researchers and their institutions. For this reason, excellent data management skills are nowadays an essential asset to successful researchers.

This talk will introduce participants to Data Management Plans that help to plan how data is handled during experiments so that no data is lost, can easily be found, correctly interpreted using provided metadata, and properly licensed. Participants will learn about practical aspects of data management. They will also get familiar with research funder requirements for Data Management Plans that are becoming an obligatory project deliverable around the world.

Topics covered:

- Why good data management is important?
- What are the Data Management Plans?
- How to create a Data Management Plan?
- What are the best data management practices?
- How to make research data FAIR?
- What are the funder requirements for Data Management Plans?
- What does the future look like concerning data management?



**Dr. Peter Kraker**

Dr. Peter Kraker is founder and chairman of Open Knowledge Maps, a non-profit dedicated to increasing the visibility of research findings for science and society alike. In addition, Dr. Kraker coordinates the WG Open Science of Open Knowledge Austria, and he is a core team member of the Open Access Network Austria (OANA). As a senior researcher at Know-Center, Austria's leading research center for data-driven business and big data analytics, Dr. Kraker managed the topic of Open Science, with a focus on scholarly communication on the web, visual discovery, and alternative metrics for science and research (altmetrics).

**Registration:**

Email to [sc-forschung@i-med.ac.at](mailto:sc-forschung@i-med.ac.at) until 20<sup>th</sup> November 2017.



**Dr. Tomasz Miksa  
(SBA Research & TU Wien, Senior Researcher)**

Tomasz Miksa is a trainer for data management and a consultant for open data repositories. He is also a researcher in reproducibility of computational workflows and a chair of the Research Data Alliance working group that works to realise machine-actionable Data Management Plans.

**Impressum:**

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