

Report International Data Week Salzburg from the perspective of data 😊

Internship RDA Tanja Eberhardt

It is something very special to play the leading role at a congress. A congress just for data, i.e. for me and my colleagues, doesn't happen very often, and when many international experts come together, it shows how important we have become for the research community.

At the International Data Week (IDW) in Salzburg in October, a lot of information was provided, collected and discussed about us data. As a meeting point for many different types of us, it became clear that there are many different specific approaches, solutions and ways to implement open data. This is also the reason why the IDW was combined from two events and has led to a large networking of relevant experts. IDW 2023 combined the RDA 21st Plenary Meeting, the biannual meeting of this international member organization working to develop and support global infrastructure facilitating data sharing and reuse, and SciDataCon 2023, the scientific conference addressing the frontiers of data in research organized by CODATA and WDS.

During the IDW, I realized that we still play a very small role in sports science when it comes to the willingness and ability to share data. I received and learned a lot of basic information. On Monday, I listened to the session on "Data Ethics and the UNESCO Recommendation on Open Science" and got a lot of new input for basic literature. It can be helpful in providing arguments for sports science.

The RDA Working Group "Descriptive Attributes of Repositories" presented the 17 attributes it has developed to describe a repository. The implementation was illustrated with practical examples. For MO|RE data as a repository for us sports science data, these attributes can be guidelines to make it clearer to users what, how and for what they can use the repository. It is important to describe the repository and not me as data with specific characteristics.

However, the focus should not only be on the repository and its technical quality, but also on qualitative data and, in particular, reliable data. Francis Crawley, Chairman of the CODATA International Data Policy Committee, emphasized the importance of good documentation for data.

The Data Discovery Paradigms Interest Group presented recommendations on how the discoverability of our data can be better guaranteed and discussed whether these are easy to implement. What is also important in terms of discoverability is the specificity for us data. It is therefore important to know exactly what you want to find in the best case when searching. It is also crucial for visibility to cite facts and sentences well and correctly. S. Stall published an article on this that can be very helpful: *Stall, S., Bilder, G., Cannon, M. et al. Journal Production Guidance for Software and Data Citations. Sci Data 10, 656 (2023).* <https://doi.org/10.1038/s41597-023-02491-7>.

From the plenary session 'Inclusivity in Open Science while advancing research assessment and career pathway impact' I took away that not only the FAIR principle, but also the CARE principle must be observed in order to create TRransparency for one's research.

Tuesday evening was the RDA Poster Session. The MO|RE data Repository was presented for me and sports science data (see Poster below). I noticed our outsider position again. Everyone was interested, but surprised that there are no possibilities to publish data in sports science so far. However, I also noticed in the discussions that the MO|RE employees are already very well networked in the community and are very well positioned in terms of connectivity and sustainability. Although the technical implementation is very simple compared to others, it is just right for my requirements. Thursday was a super exciting final day. I gained a lot of new aspects and deeper insights. In particular, there are future plans to set up a Motor Performance Research Data Center with my siblings, who have more sensitive data. It was great that the "Sensitive Data Interest Group" also had a session. It made me realize that the definition is not that simple and clear boundaries are needed, which were provided by various links.


The Helmholtz Open Science Office organized a session on the role of repositories and policy in particular. I met a familiar face in Roland Bertelmann, a member of the MO|RE data advisory board.

For my owners, the future will be about familiarizing themselves with this policy and positioning themselves accordingly. We are already well networked within the Helmholtz Meta Data Collaboration and Re3Data.


Finally, "the superstar" Meredith Goins presented the Core Trust Seal in detail and referred to the topic "TRUST Principles and Repository Certification Landscape". I understood what certification means and what an enormous effort it is. But also how important it is and where help is available. Meredith was super personable and knows how to explain the complex things simply and make it clear what it's all about.

She stood for the entire community that I got to know during these days. Everyone is super friendly and enthusiastic about open data and open science. They are willing to give in order to pursue new innovative approaches.

In this respect, the IDW was a very enriching and valuable experience for me.



Institute of Sports and Sports Science




MO|RE data – first repository for sports specific data

Tanja Eberhardt, Katja Klemm, Hannah Kron, Alexander Woll, Klaus Bös & Claudia Niessner

BACKGROUND


MO|RE data is an e-Research infrastructure for sports specific data and especially for data of motor performance. Although numerous repositories already exist for different fields of research, there is a need for specific requirements and features for different disciplines.




Research Data Lifecycle


REQUIREMENTS AND FEATURES:


MO|RE data addresses sports specific requirements and aspects: for data of motor performance a variety of international test items are chosen and standardised clearly. The provided data can be supplied in aggregated form or as raw data and receives a Digital Object Identifier for citation. Additionally, metadata of datasets are published under Creative Common Licence. To ensure the quality of data, an automated quality check and editorial board scheme is instituted.


MAPPING & HARMONISATION


QUALITY-MANAGEMENT






PUBLICATION WITH METADATA


CITATION WITH DOI


SEARCH & EXPORT

COLLABORATIONS & NETWORKS

Due to the enormous need for infrastructures and technical environments of a sustainable repository, collaborations and networks are necessary. MO|RE data is integrated in the KIT Research Data Infrastructure of Leibniz Institute of Information Infrastructure (FIZ), RADAR4KIT. Within the German National Research Data Infrastructure (NFDI) and its consortia KonsortSWD we got an institutionalized system of research data management. As use case for sensitive data in sports science, we are part of the Leibniz Science Campus "Digital Transformation in Research" (DITraRe). With the set up of an ad-hoc committee the German Association for Sports Science (dvs) fosters a needs-oriented concept of research data management for sports science.

Find MO|RE data online:
<https://www.ifss.kit.edu/more/>
www.motor-research-data.de

Contact:
 Tanja Eberhardt
Tanja.Eberhardt@kit.edu

