



## TÜBINGEN RESEARCH DATA MANAGEMENT DAYS

**July 14 and 15, 2022**

**Online Conference**

Today, grant applications without statements on research data management have no chance of success with the major third-party funders, regardless of the respective discipline. Nevertheless, many scientists are not (sufficiently) familiar with the methods, practice and infrastructures of research data management.

The Tübingen RDM Days 2022 particularly address humanities scholars in order to provide essential information and assistance for future projects and proposals. The national infrastructures NFDI4Culture (focus: art, art history, music, cultural heritage) and Text+ (focus: language, text), which have emerged from and for the humanities, will present their concrete experiences in RDM and their offers and services for researchers.

Day 2 complements the national level with an insight into a structure of the state, the SDC4Lit (Science Data Center, digital literature research). Above all, you will get to know the concrete services and contact persons of the University of Tübingen for the RDM, you can ask questions and discuss and network with researchers of the same or other disciplines about the RDM.

### **Program**

**Thursday, 14.07.2022, 14 – 17 h**

#### **14:00 Welcome**

Prof. Dr. Thomas Walter, Director of the ZDV (Zentrum für Datenverarbeitung) University of Tübingen

Prof. Dr. Jürgen Leonhardt, Dean of the Faculty of Humanities at the University of Tübingen

#### **14:15 – 14:45 Research Data Management – Basics and Services**

Dr. Holger Gauza, ZDV University of Tübingen

Conscientious handling of mainly digital research data along the research process is part of good scientific practice and is intended to ensure that research data are accessible, reusable and verifiable in the long term. The associated sub-steps are referred to as research data management and are oriented to the research data life cycle from the planning of a research project to data collection and evaluation, and finally to data publication and archiving. Good research data management is increasingly required by research sponsors and evaluated during peer review. In recent years, several initiatives have been funded to support researchers in implementing research data management through services. This short presentation outlines the basic concepts and the landscape of services for researchers.

### **14:45 – 15:45 Research Data Management in the Field of Tangible and Intangible Cultural Assets – The NFDI4Culture Consortium at a Glance**

Prof. Dr. Torsten Schrade, Academy of Sciences and Literature | Mainz

The focus of NFDI4Culture, the consortium on research data of tangible and intangible cultural assets in the NFDI, is the development of a demand-oriented infrastructure for a broad spectrum of subject communities ranging from architecture, art, and music to theater, dance, film, and media studies. The focus is on cross-disciplinary findability, accessibility, and long-term preservation and ongoing maintenance of cultural data along the FAIR and CARE principles. The consortium's data space includes 2D digitized images of paintings, photographs and drawings as well as 3D models of culturally and historically significant buildings, monuments or audiovisual data of music, film and stage performances. These data are not only of great importance for future generations of scholars, but they also form a basis for constant transfer processes between researchers, artists, cultural industries and civil society.

### **15:45 – 16:45 Text+ Consortium for Language and Text Data – Data and Tools for Users**

Prof. Dr. Andreas Witt, Leibniz Institute for the German Language, Mannheim

The Text+ infrastructure is focused on language and text data and will initially concentrate on digital collections, lexical resources and editions. These are of high relevance for all language- and text-based disciplines, especially for linguistics, literary studies, philosophy, classical philology, anthropology, non-European cultures and languages, as well as language- and text-based research in the social, economic, political and historical sciences. As a consortium, Text+ makes data and tools previously developed by various initiatives accessible and ensures that they can be used together. These resources support the humanities scholars in all phases of the research data lifecycle, from reuse of existing reference data, to analysis tools, to data depositing options to ensure long-term research data management. Some resources are presented as part of this presentation.

### **16:45 Final Discussion Day 1 and Outlook for Day 2**

**Friday, 15.07.2022, 9 – 12 h**

**9:00 Welcome and Introduction to Day 2**

Dr. Marianne Dörr, Director of the University Library Tübingen

**9:15 – 10:15 SDC4Lit as a Hub for Digital Literature Research**

Jan Hess M.Sc. and Prof. Dr. Roland S. Kamzelak, Science Data Center for Literature (SDC4Lit)

The Science Data Center for Literature (SDC4Lit) will map the data lifecycle of literary research and enable research using digital methods. In a project funded by the Baden-Württemberg Ministry of Science, the German Literature Archive Marbach (DLA) and three institutes at the University of Stuttgart are developing a literature portal that will initially collect literature that has been created and is being created on the web (W3) and provide methods to research this genre of literature. The portal will be expanded to include offline born-digitals and digitized literature.

The presentation will outline the layout of the project and research possibilities. The link to the NFDI will play a role as well as the interlocking with other collecting institutions such as the DDB (Deutsche Digitale Bibliothek).

**10:15 – 11:15 Infrastructures for Research Data Management in the Digital Humanities at the University of Tübingen**

Dr. Michael Derntl, Dr. Steve Kaminski, Vinzenz Rosenkranz M.Sc., Digital Humanities Center (formerly: eScience-Center), University of Tübingen

Research projects in the humanities today require state-of-the-art techniques and tools for data acquisition and management, as well as platforms supporting the virtual collaboration among researchers. Further requirements are data documentation and structuring to produce sustainable, reproducible, and reusable research data along the research data lifecycle. The Digital Humanities Center (formerly: eScience-Center) at the University of Tübingen hosts and develops two infrastructures that are particularly relevant for the digital humanities. Firstly, a virtual research environment for collecting, searching, analyzing, and visualizing all sorts of data. Using examples, we present the basic concept of the virtual research environment as a modular software tool with a web-based user interface and a customizable data model particularly suited for organizing object-related and spatial data. Secondly, a next-generation research data repository that is currently in development for publishing and long-term archiving of research data. These infrastructures support research projects in Tübingen to manage, store and provide access to a wide diversity of resources in compliance with FAIR data principles.

**11:15 Final Discussion, Summary and Perspectives**