



Coffee Lecture: Planning und Structuring.

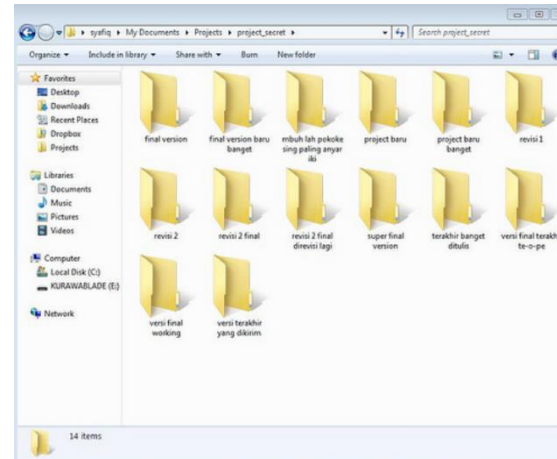
Storage of Research Data.

Annette Strauch, M.A.

13.05.2020

Überblick:

- Cooperative research projects
- Frameworks
- Repositories
- Organising data and metadata



Planning and Structuring. Cooperative research projects.

*“Scientists should communicate the data they collect and the models they create, to allow **free and open access**, and in ways that are intelligible, assessable and usable for **other specialists in the same or linked fields** wherever they are **in the world.**”*



The Royal Society. (2012). Science as an open enterprise. The Royal Society Science Policy Centre report 02/12.

(Photos by [Sabri Tuzcu](#) on [Unsplash](#))

Planning und Structuring. Cooperative research projects.

“Research and educational institutions, especially those involved in tracing the disease, mapping and analysing the pathogen’s genome to develop vaccines, must ensure that their records and data are accurate and properly maintained.”



(<https://www.rd-alliance.org/sites/default/files/attachment/jointStatementEnglish.pdf>)

Planning und Structuring. Cooperative research projects.



Länder

Themen

Aktuelles

Förderung

Dokumente

Unsere Publikationen



[Startseite](#) > [Themen](#) > [COVID-19-Pandemie](#) > COVID-19 Übersicht: Internationale Angebote zu Förderung, Vernetzung, Innovationswettbewerben, Nutzung von Forschungsinfrastrukturen und Forschungsdaten

COVID-19 Übersicht: Internationale Angebote zu Förderung, Vernetzung, Innovationswettbewerben, Nutzung von Forschungsinfrastrukturen und Forschungsdaten-/publikationen

Portale zu Forschungsdaten und wissenschaftlichen Publikationen

Allen Institute for AI (AI2) et al.: COVID-19 Open Research Dataset (CORD-19)

<https://www.semanticscholar.org/cord19>

WHO: Global Research on Coronavirus Disease

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/global-research-on-novel-coronavirus-2019-ncov>

Europäische Kommission: COVID-19 Data Portal

<https://www.covid19dataportal.org/>

Open AIRE: OpenAIRE for COVID-19

<https://www.openaire.eu/openaire-activities-for-covid-19>

Coronavirus Watch Medical Research Explorer (Reiter Medical Research)

<http://coronaviruswatch.ircai.org/?country=All&dashboard=medline>

(<https://www.kooperation-international.de/themen/covid-19-pandemie/covid-19-uebersicht-internationale-angebote-zu-foerderung-vernetzung-innovationswettbewerben-nutzung-von-forschungsinfrastrukturen-und-forschungsdaten>)

Planning and Structuring. Cooperative research projects.

Anforderungen/Bedarfe

SSE



<https://sse.uni-hildesheim.de/technologietransfer/>

NFDi4ing

productive since 2017

Archetypes





Leitlinien zur Sicherung guter wissenschaftlicher Praxis

Kodex



Guidelines for Safeguarding Good Research Practice

Code of Conduct

Planning und Structuring. Repositories.

Göttingen Research Online / Data homepage

GRO publicatons Add Data Search User Guide Support Log In

Works 1,259 Downloads Contact Share

Publish your research data! Search, find, and cite data from the Göttingen Campus and beyond.

Göttingen Research Online is an institutional repository for the publication of research data at the Göttingen Campus. It is managed by the Göttingen eResearch Alliance, a joint group of SJR and GWDG. If you are interested in publishing your data here, please see our author instructions and get in touch with us. Open Quick Start Guide

Search this dataverse... Find Advanced Search Add Data

1 to 10 of 59 Results

Workflow zur OER-Erstellung
Jan 25, 2020 - Basiskomponenten Digitalisierung Dataverse
Ansa, Ansa, 2020, "Workflow zur OER-Erstellung", <https://doi.org/10.2581/50283DPU>. Göttingen Research Online / Data, V4
Schaubild über den Workflow zur OER-Erstellung nach Axel Dörkop und Florian Hagen.

Dataverses (20)
Datasets (39)
Files (240)

Dataverse Category
Research Project (11)
Researcher (5)
Research Group (3)



Currently discoverable in...

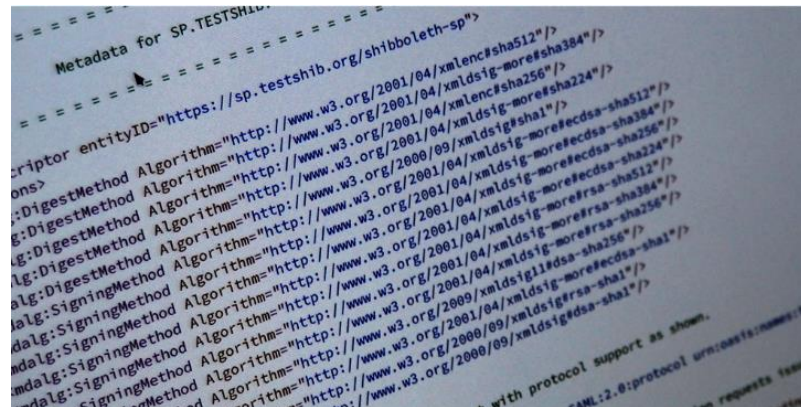
- DataCite Metadata Store
- Data Citation Index (Thomson Reuters)
- Google search

General Discovery

- Dublin Core
- MARC (Z39.50)

For subsequent use by third parties, the actual metadata is required in addition to the data.

This can be added by the data provider, partly from other applications or manually.



(Foto: forschungsdaten.info, <https://www.forschungsdaten.info/themen/aufbereiten-und-veroeffentlichen/metadaten-und-metadatenstandards/>)

standards > model/format > Actions ▾

FAIRsharing.org
standards, databases, policies ☰

Data Documentation Initiative

Abbreviation: DDI

General Information

The freely available international DDI standard describes data that result from observational methods in the social, behavioral, economic, and health sciences. DDI is used to document data in over 80 countries of the world.

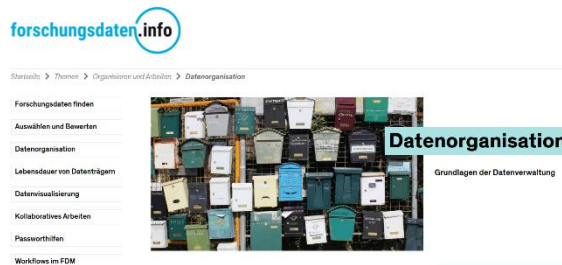
Homepage <http://www.ddialliance.org/>

Countries that developed this resource [Worldwide](#)

Created in 1995

(<https://fairsharing.org/FAIRsharing.1t5ws6>)

Planning and Structuring. Organising data and metadata.



(<https://www.forschungsdaten.info/themen/organisieren-und-arbeiten/datenorganisation/>)

Planning and Structuring. Organising data and metadata.

Data formats suitable for digital preservation:

- Tagged Image File Format (**TIFF**) > *.tif
- Portable Network Graphics (**PNG**) > *.png
- JPEG2000 > *.jpg, *jpeg
- Scalable Vector Graphics (**SVG**) > *.svg, *svgz

Planning and Structuring. Organising data and metadata.

- Computer-aided Design (**CAD**)
- AutoCAD Drawing > *.dwg
- Drawing Interchange Format, AutoCAD > *.dxf
- Ton, Audio Waveform Audio File Format (**WAV**)
>*.wav

Planning and Structuring.

The screenshot displays the MANTRA (Research Data Management Training) website. At the top, the logo 'MANTRA' is prominently featured with the subtitle 'Research Data Management Training'. Below the logo, a brief description states: 'MANTRA is a free online course for those who manage digital data as part of their research project.' To the right of this text are four icons representing different user roles: Research Student, Career Researcher, Senior Academic, and Information Professional. A navigation bar includes links for Home, About, Acknowledgements, DIY Training Kit for Librarians, Feedback, and Contact Us. A 'Learning Units: Select one to start' section features a grid of nine buttons, each with an icon and an information icon (i). The buttons are: 'Research data in context >', 'File formats & transformation >', 'Data protection, rights & access >', 'Data management plans >', 'Documentation, metadata, citation >', 'Sharing, preservation & licensing >', 'Organising data >', 'Storage & security >', and 'Data handling tutorials >'. The 'Organising data >' button is highlighted in yellow. A 'Rate MANTRA (201 Votes)' section with five stars is also visible. At the bottom of the screenshot, a larger, detailed view of the 'Organising data >' button is shown, featuring a tree diagram icon and an information icon.

(<https://mantra.edina.ac.uk>)

Further information.

Brenger, Bela, Baurmann, Beate, López, Ania, Rehwald, Stephanie, & Wilms, Konstantin. (2017).

"Wo sind deine Forschungsdaten in 10-Jahren?!" Awareness für Forschungsdatenspeicherung. Zenodo.

URL: <http://doi.org/10.5281/zenodo.1000538>

Frazer, M. (14 January 2013). An Elevator Pitch for File Naming Conventions. ACRL TechConnect blog.

URL: <http://acrl.ala.org/techconnect/?p=2607>

MIT Libraries. Data management and publishing: Organize your files. Massachusetts Institute of Technology.

URL: <http://libraries.mit.edu/data-management/store/organize>

Further information.

Data formats:

URL: <https://www.ianus-fdz.de/it-empfehlungen/dateiformate>

Metadata standards:

URL: <http://www.dcc.ac.uk/resources/metadata-standardsoder>
<http://rd-alliance.github.io/metadata-directory/subjects>

Rfii – Rat für Informationsinfrastrukturen: Herausforderung Datenqualität – Empfehlungen zur Zukunftsfähigkeit von Forschung im digitalen Wandel, zweite Auflage, Göttingen 2019, 172 S.

URL: <http://www.rfii.de/download/herausforderung-datenqualitaet-november-2019/>

Danke für Ihre Aufmerksamkeit!

Thank you for your attention!