

33 Minuten für... Thematische Recherche

„Open Science done right!“



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Universitäts- und Stadtbibliothek Köln

2. Feb. 2023



Open Science spreads in search for COVID-19



Climate Action
2023

<https://wcrp-osc2023.org/>

#WCRPOSC23

ADVANCING
CLIMATE
SCIENCE FOR A
SUSTAINABLE
FUTURE

ADVANCES IN CLIMATE
RESEARCH



WORLD CLIMATE
RESEARCH PROGRAMME
**OPEN SCIENCE
CONFERENCE**
23 - 27 OCT. 2023 | RWANDA

CO-PRODUCED
CLIMATE SERVICES
AND SOLUTIONS

CLIMATE CHANGE
DRIVERS AND
SOCIETAL IMPACTS

'We look forward to welcoming
you, in-person or virtually, at the
Kigali Convention Centre'.



NASA EarthData Free Lectures



DOI: 10.54677/MNMH8546

UNESCO Recommendation on Open Science



Open Science by Design: Realizing a Vision for 21st Century Research (2018)

DETAILS

232 pages | 6 x 9 | PAPERBACK
ISBN 978-0-309-47624-



Das Bundesforschungsministerium warnt:

**OPEN ACCESS
baut
Elfenbein-
türme ab.**

Progress on Open Science: Towards a Shared Research Knowledge System

Final Report of the Open Science Policy Platform



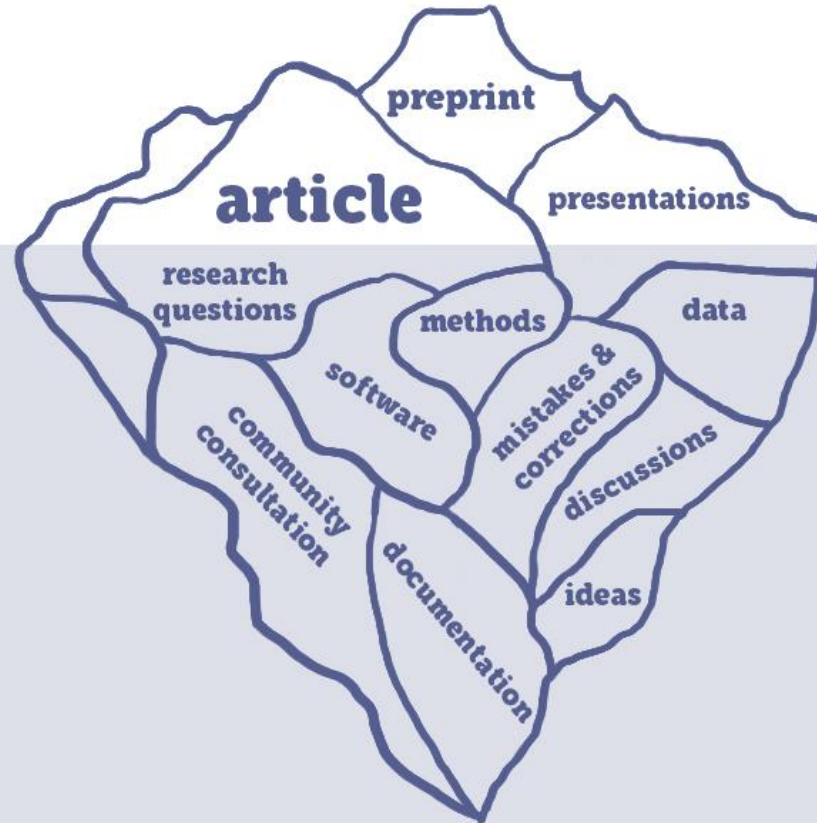
Was ist Open Science?



Open Science ist eine Bewegung, die den freien Zugang zu wissenschaftlicher Information und Forschungsergebnissen anstrebt, um deren Überprüfbarkeit und Nachnutzbarkeit zu verbessern. Es beinhaltet die Offenlegung von Daten, Methoden und Publikationen, die Verwendung offener Tools und Technologien und eine inklusive Kultur, die die Teilhabe und Zusammenarbeit aller Interessengruppen fördert.

ChatGPT (Jan. 30), <https://chat.openai.com>

Research Iceberg



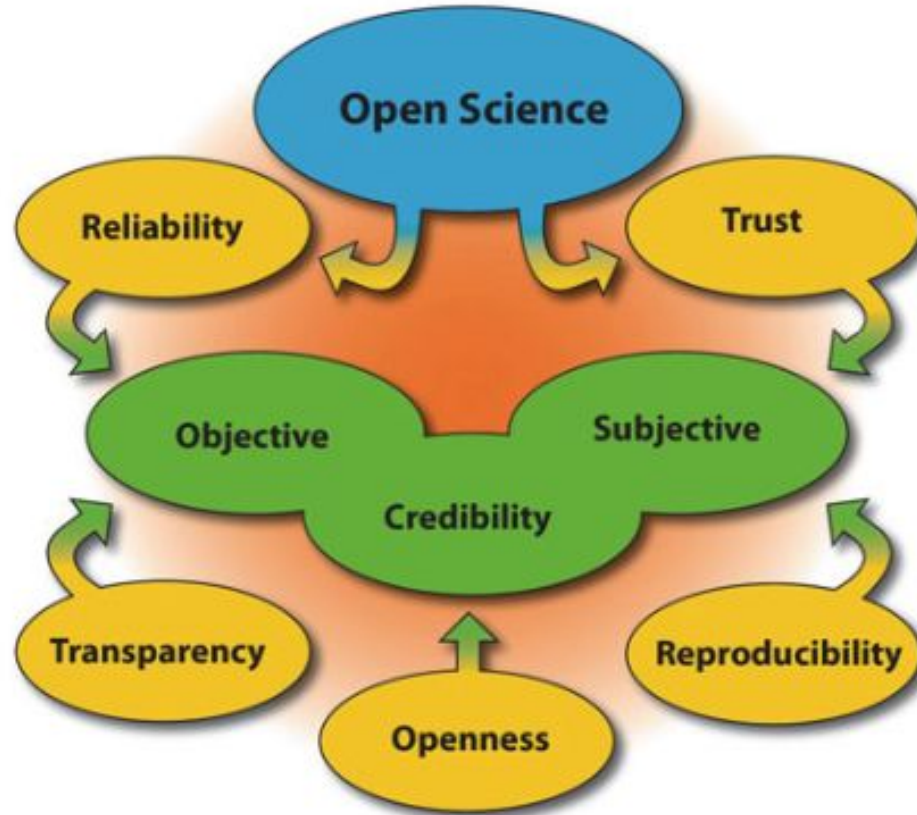
PHILOSOPHICAL
TRANSACTIONS:
GIVING SOME
ACCOMPT
OF THE PRESENT
Undertakings, Studies, and Labours
OF THE
INGENIOUS
IN MANY
CONSIDERABLE PARTS
OF THE
WORLD.

Vol I.

For *Anno* 1665, and 1666.

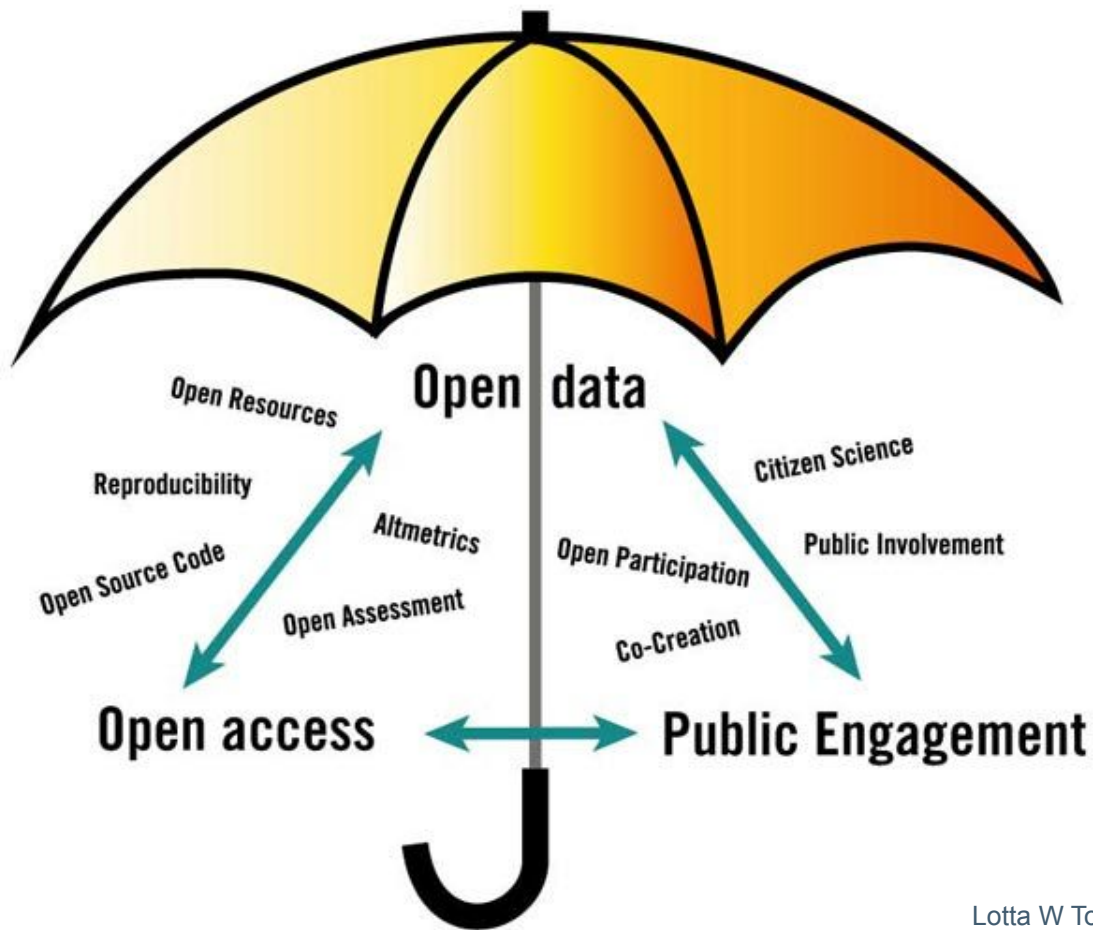
In the SAVOY,
Printed by T. N. for *John Martyn* at the Bell, a little with-
out *Temple-Bar*, and *James Allestry* in *Duck-Lane*,
Printers to the *Royal Society*.

objectives

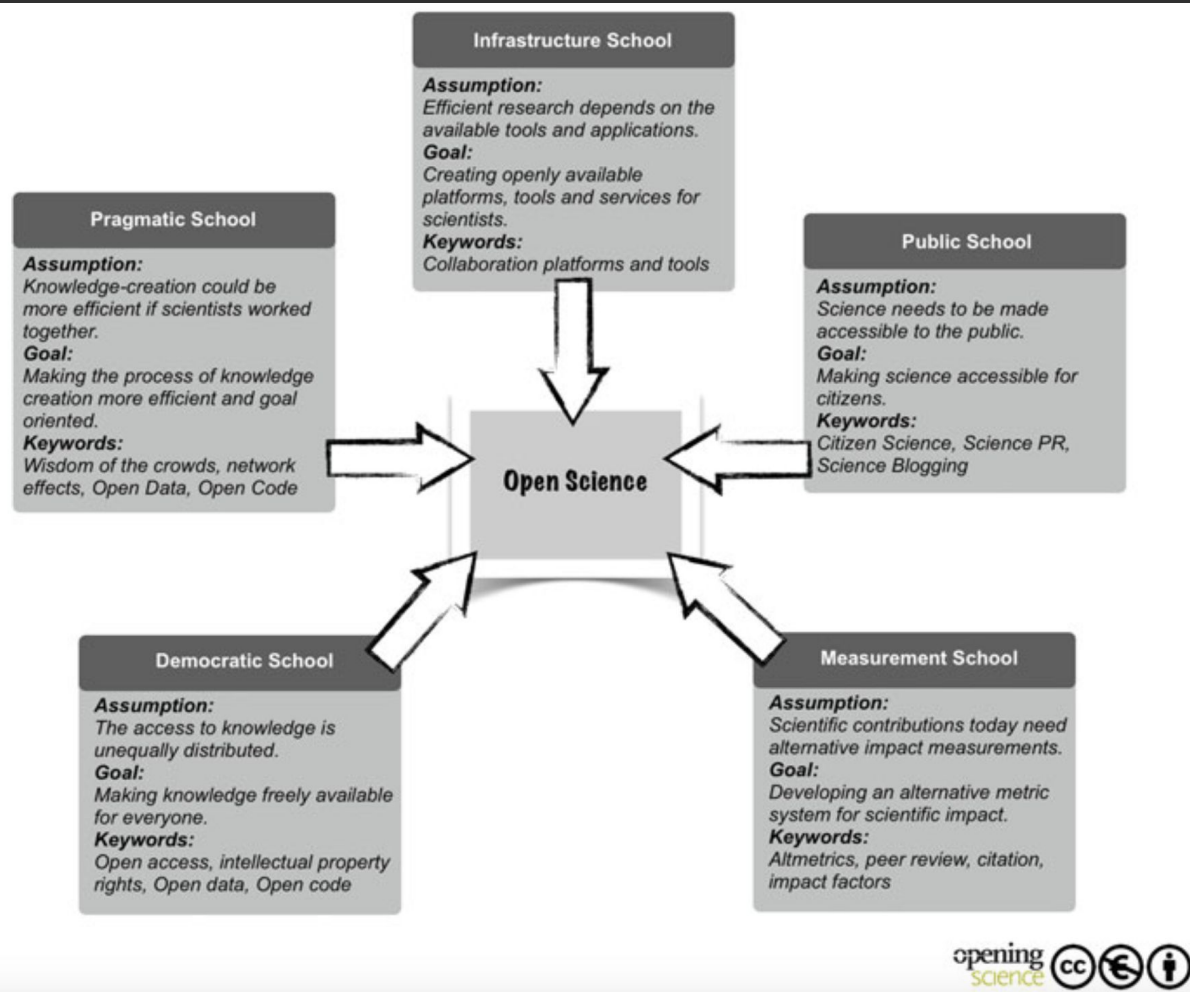


characteristics

OPEN SCIENCE



Five Schools of thought



Open Science - Definition der UNESCO

“... **open science** is defined as an **inclusive** construct that combines various movements and practices aiming to make multilingual scientific knowledge **openly available, accessible and reusable for everyone**, to **increase scientific collaborations and sharing of information** for the benefits of science and society, and to open the **processes of scientific knowledge creation, evaluation and communication** to societal **actors beyond the traditional scientific community**. It comprises all scientific disciplines and aspects of scholarly practices, including basic and applied sciences, natural and social sciences and the humanities, and it builds on the following key pillars: **open scientific knowledge, open science infrastructures, science communication, open engagement of societal actors and open dialogue** with other knowledge systems.”

Open Science - Definition der UNESCO

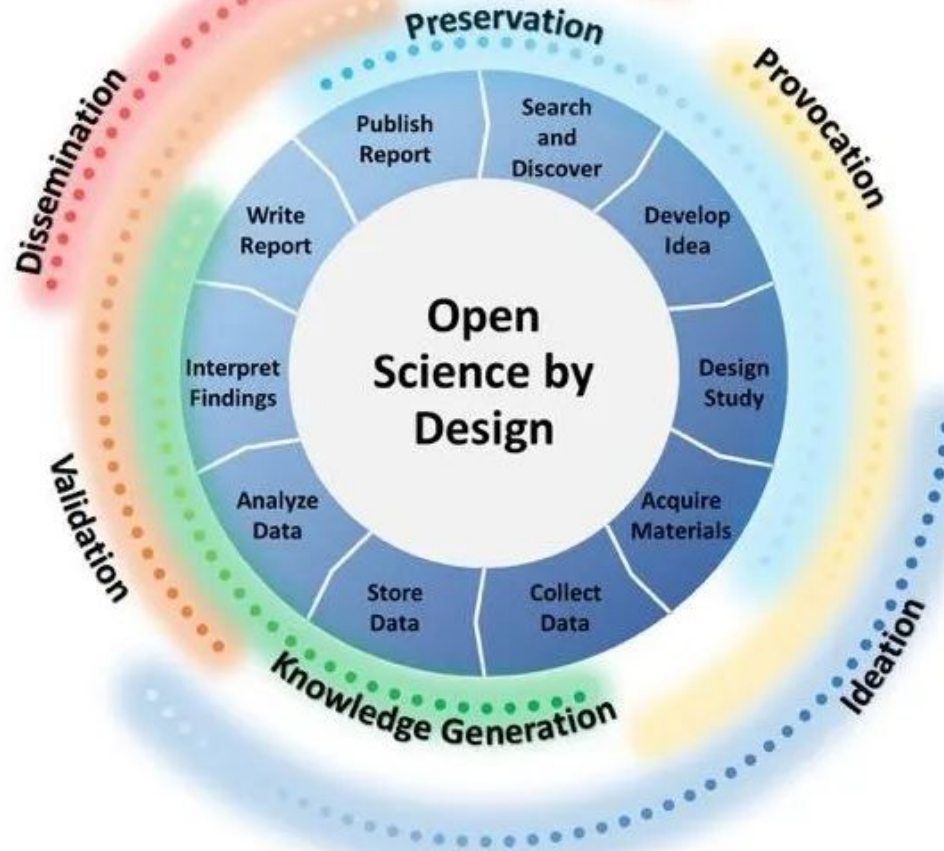
Open science increases scientific collaborations and sharing of information for the benefits of science and society

**OPEN
SCIENCE**

makes multilingual scientific knowledge openly available, accessible and reusable for everyone

opens the processes of scientific knowledge creation, evaluation and communication to societal actors beyond the traditional scientific community.

Research & data lifecycle





EBSCOhost

Searching: APA PsycInfo Choose Databases

Cited Author:

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Issue n°:

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Search Results: 1 - 15 of 15

These records cite: **WA fier n° AND WD 2013**

- 1 Re-signing: A cultural-historical study of signs for supporting young children's dev**

Chen, Feiyun; Fasel, Isabella; Mead, Catherine; and Avey, Val. 2019. Jul. 2019. pp. 203-206. Publisher: Pa

Subjects: Childhood Development; Emotional Development; Emotional Regulation; Stress; Childhood D

Cited References: (24) Times Cited in this Database: (1)

Academic Journal

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- 2 Parents' perezhanie supports children's development of emotion regulation: A h**

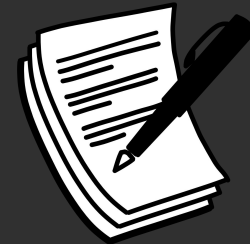
Chen, Feiyun; Early Childhood Development and Care. Vol. 18(05). Jun. 2019. pp. 361-367. Publisher: Taylor

Subjects: Childhood Development; Emotional Development; Emotional Regulation; Family Relations; Im

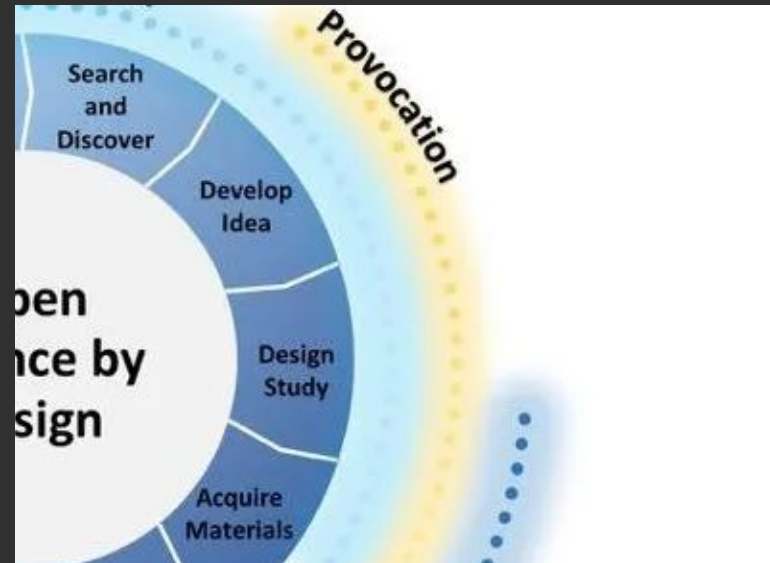
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Academic Journal

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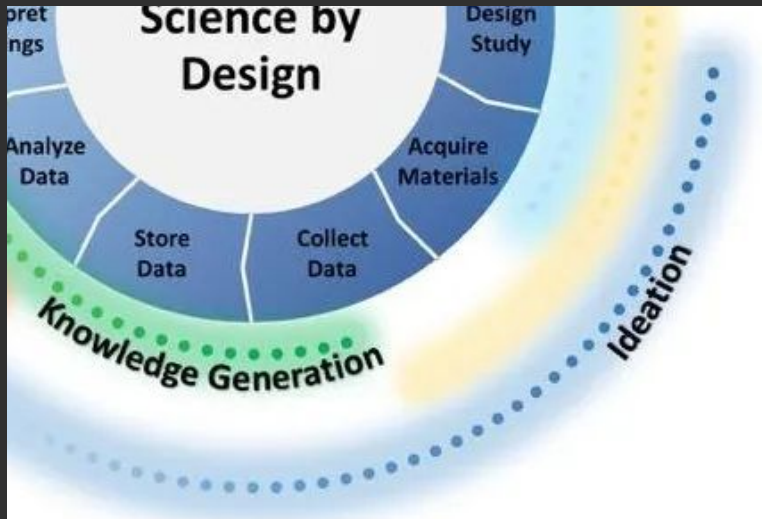
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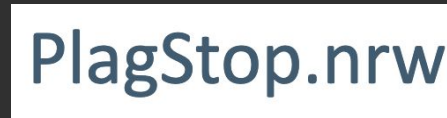
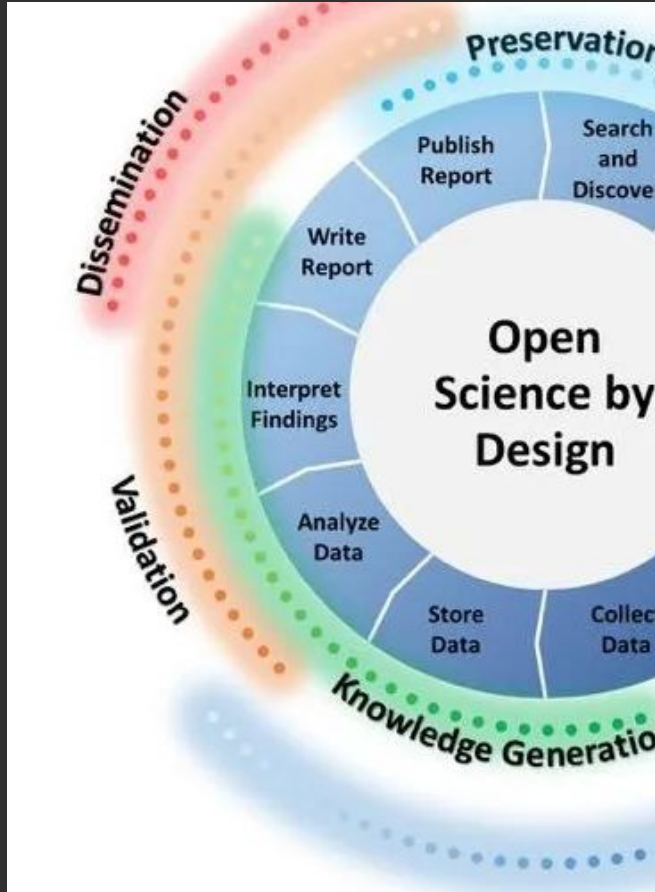
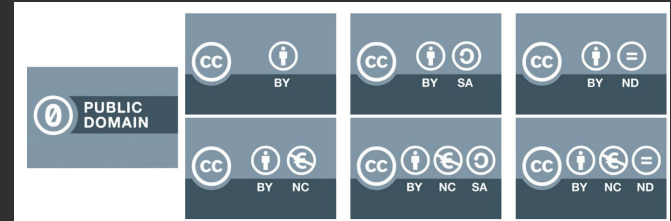
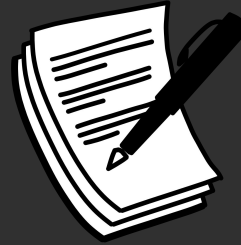
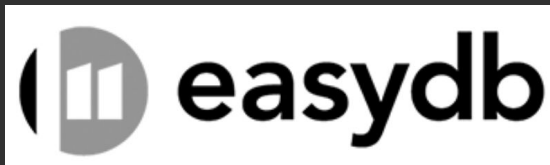


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Beispiele Dateinamen				
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Datum Interview	Inter-viewer ID	Typ	Bearbeitungs-schritt	Zeitstempel + tag
Beispiele Dateinamen				
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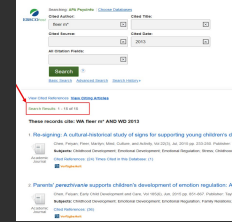
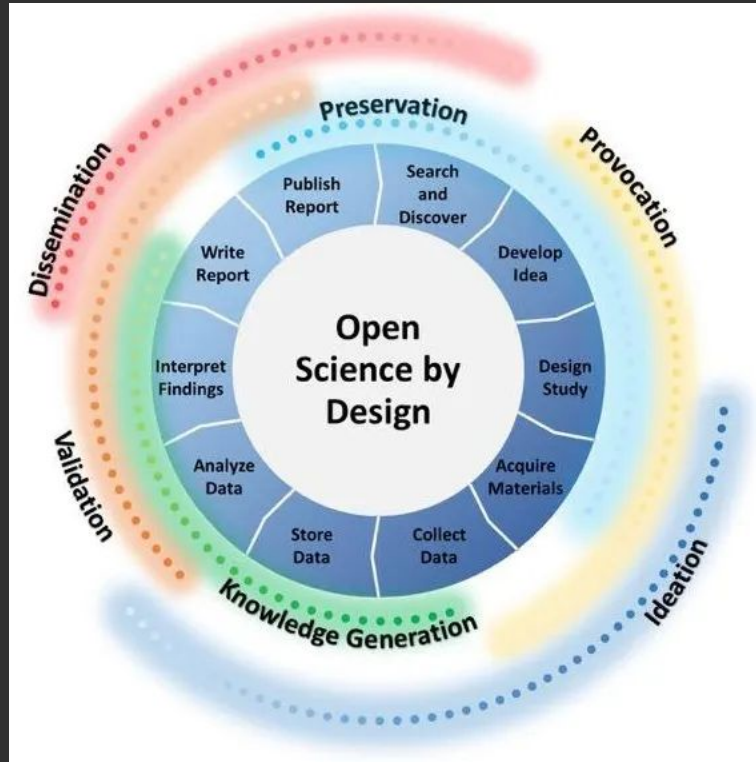
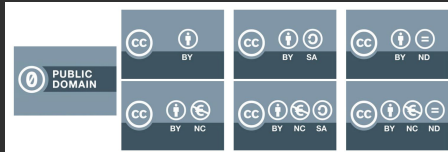
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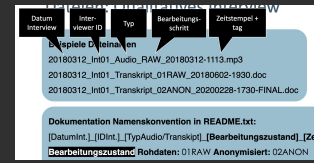
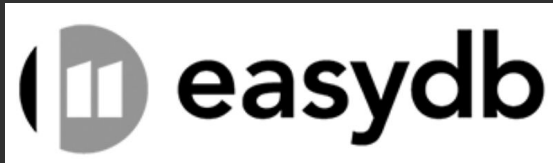




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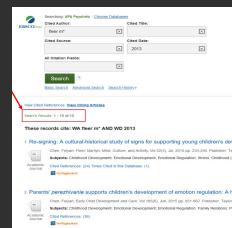
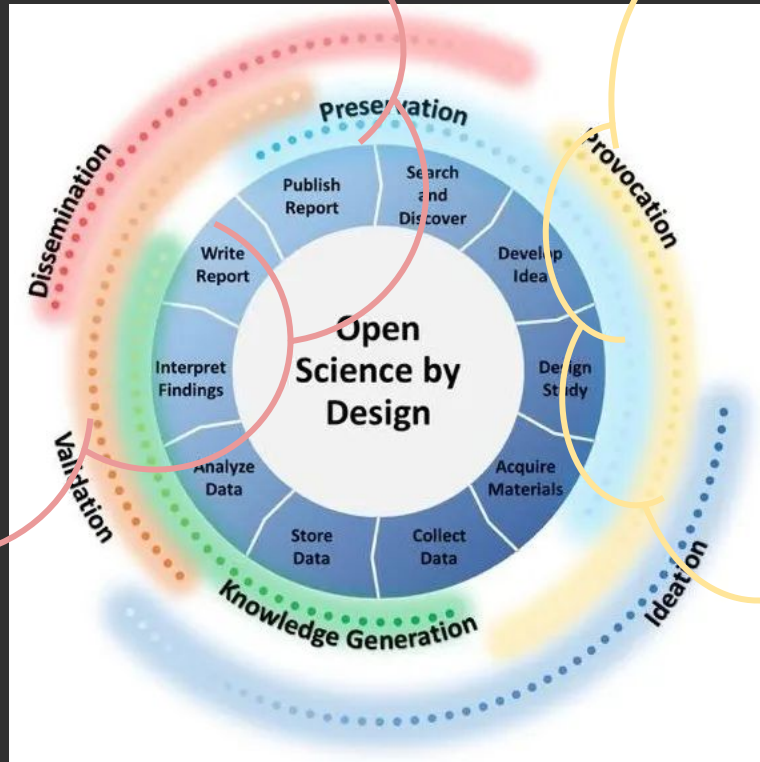


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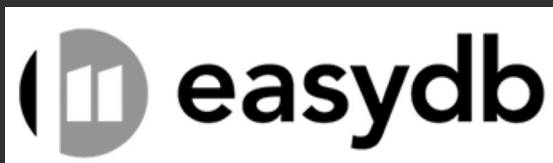
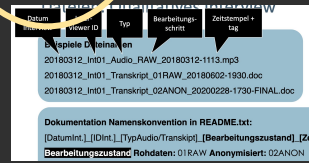
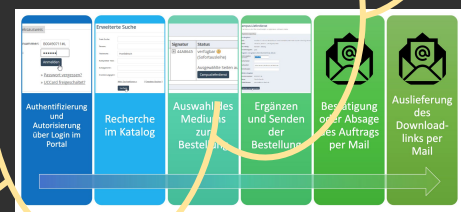




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„Publikationszuschuss Open Access“



Ausblick - FAIRe Forschungsdaten

[Egon Willighagen](#), CC BY-SA 4.0

The FAIR Guiding Principles

FINDABLE

- F1 (meta)data are assigned a globally unique and eternally persistent identifier
- F2 data are described with rich metadata
- F3 (meta)data are registered or indexed in a searchable resource
- F4 metadata specify the data identifier

ACCESSIBLE

- A1 (meta)data are retrievable by their identifier using a standardized communications protocol
 - A1.1 the protocol is open, free, and universally implementable
 - A1.2 the protocol allows for an authentication and authorization procedure, where necessary
- A2 metadata are accessible, even when the data are no longer available

INTEROPERABLE

- I1 (meta)data use a formal, accessible, shared, and broadly applicable language for knowledge representation
- I2 (meta)data use vocabularies that follow FAIR principles
- I3 (meta)data include qualified references to other (meta)data

RE-USABLE

- R1 meta(data) have a plurality of accurate and relevant attributes
 - R1.1 (meta)data are released with a clear and accessible data usage license
 - R1.2 (meta)data are associated with their provenance
 - R1.3 (meta)data meet domain-relevant community standards

Wilkinson, M. D. et al. *The FAIR Guiding Principles for scientific data management and stewardship*. *Sci. Data* 3:160018 doi: 10.1038/sdata.2016.18 (2016).



→ [Cologne Competence Center for Research Data Management](#)

Ressourcen

- [„Open Science: Von Daten zu Publikationen“: Was bietet mir Open Science?](#)
- [Progress on open science - Publications Office of the EU](#)
- [Open Science by Design: Realizing a Vision for 21st Century Research](#)
- [Transform to Open Science \(TOPS\)](#)

Open Science Festival 2023 @ ZB MED & UzK



4. - 5. Juli 2023

<http://www.opensciencefestival.de/>

Vielen Dank!

Dr. Jens Dierkes

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USB Köln

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ORCID: [0000-0002-0121-9261](#)