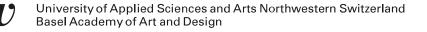
member of swissuniversities



n

Critical FAIRness or Is FAIRing CAREing?

Open Science in Practice-Based Research in Art and Design

Dr. Patrizia Munforte, Basel Academy of Art and Design FHNW 21.03.2024



Content

n

- 1. Academy of Art and Design FHNW and the Critical Media Lab
- 2. Important Terms for the Project
- 3. "Critical FAIRness": Goals & Activities
- 4. FAIR and CARE
- 5. Conclusion

Critical FAIRness: An Exploratory Study on Open Research Data in Art and Design

- Funding: swissuniversities: ORD Grant: Programme Open Science I, Phase B ORD 2022-2024; Swiss Open Research Data Grants; Track A: Explore projects
- Duration: 2023–2024
- Institution: Basel Academy of Art and Design FHNW, Critical Media Lab
- Project lead: Dr. Lucie Kolb
- Project coordinator: Dr. Patrizia Munforte

Academy of Art and Design (HGK) FHNW



Pati Grabowicz, Academy of Art and Design FHNW, 2023.

- Dreispitz, Münchenstein, Basel
- 750 Students
- 250 Lectures and Staff
- 5 Institutes: Institute Arts and Design Education (IADE), Institute Contemporary Design Practices (ICDP), Institute Art Gender Nature (IAGN), Institute Digital Communication Environments (IDCE), and Institute Experimental Design and Media Cultures (IXDM)

Critical Media Lab



Critical Media Lab, Website. Retrived from: critical-media.lab (21.03.2024).

5

What is "Critical FAIRness"?

The project investigates the critical state of publishing in art and design by striving bottom-up approaches. Although practice-based research in art and design has existed for more than 20 years in Switzerland, there is a lack of infrastructure that supports the transition from everyday documentation practices of researchers to public creative approaches, such as data repositories. "Critical FAIRness" aspires to define methods and techniques to generate ORD — findable, accessible, interoperable, and re-useable information collected, observed, generated, or created in a research process.

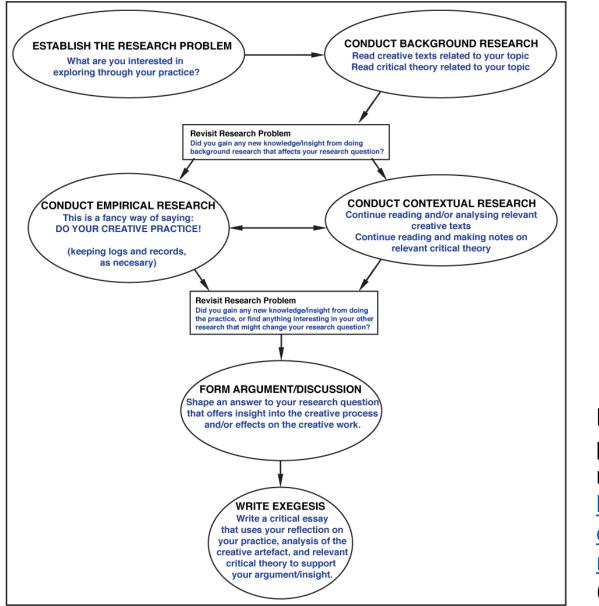
member of swissuniversities

Few Important Terms

 $\mathbf{n}|\mathcal{U}$

Practice-Based Research

"[Practice-based research is an] umbrella term that describes all manners of research where practice is the significant method of research conveyed in a research output. This includes numerous discipline specific formulations of practice research, which have distinct and unique balances of practice, research narrative and complementary methods." (Bulley and Sahin, 2021, p4) University of Applied Sciences and Arts Northwestern Switzerland Basel Academy of Art and Design



Lyle Skains, Overview of practice-based research method, 2016. Retrieved from https://scalar.usc.edu/works/cr eative-practiceresearch/outline-pbr-method (21.03.2024)

Practice-Based Research Outputs and Challenges

"Practice research outputs are typically multi-component portfolios or collections of non-text file formats which are disseminated and hosted in separate places such as personal websites, institutional repositories, archives, and commercial video-sharing platforms. These factors pose a significant challenge to the preservation and reuse of practice research and practice research data." (Ranger 2022)

General Definition of Research Data

"Research data are the evidence that underpins the answer to the research question, and can be used to validate findings regardless of its form (e.g. print, digital, or physical)." (Concordat on Open Research Data, 2016)

Data in Practice-Based Research in Art and Design

"Examples of visual arts research data may include sketchbooks, logbooks, sets of images, video recordings, trials, prototypes, ceramic glaze recipes, found objects, and correspondence." (Garrett and Gramstadt 2012)

Main Questions

- What sorts of data does practice-based research in art and design generate?
- How can those data be reconceived to fit the FAIR principles?
- How is data shared within practice-based research and with whom is it shared with?
- What repositories and standards are needed for practice-based research in art and design to deliver on the promise of openness?
- What are the learnings of the project's experimental approach for the existing ORD-Community and what kind of services for researchers can be developed based on them?

Use of the Term "Critical" for the Project

The term "critical" is meant in the sense of urgency to act and help develop advanced infrastructures and formats that understand the process of sharing research data as socio-technological, take the claim of democratization of research seriously, and augment the operations of practice-based research.

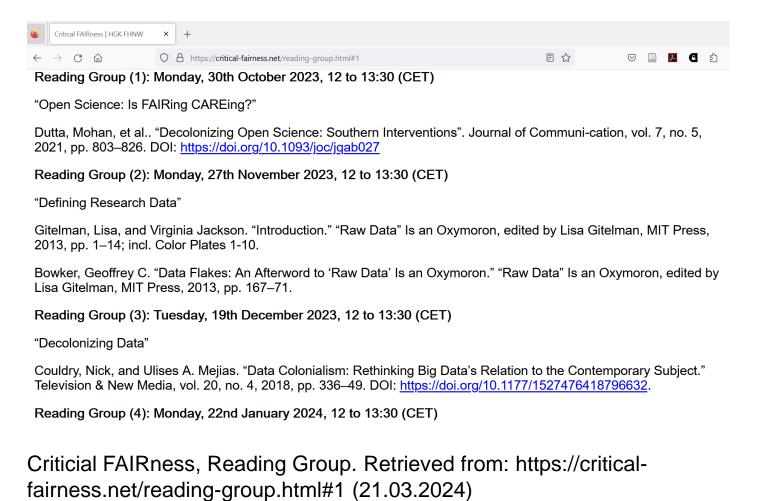
Goals of the Project

- Build communities of researchers, technical experts, and stakeholders who invest in and advance ORD practices in art and design
- Specify ORD standards relevant for art and design through collective discussions of ORD practices via case studies

Critical FAIRness: Activities

- October 2023-February 2024: Monthly Reading Group
- 7 December 2023: MAKE/SENSE PhD Program
- 4-5 March 2024: Workshop "Data Management Planning" with Johannes Bruder, Helen Pritchard, Solveig Qu Suess, Femke Snelting, Eva Weinmayr
- 7 May 2024: Symposium "Rewriting FAIRness"

Reading Group "Critical FAIRness"



21.03.2024 Lunch and Learn UZH - Critical FAIRness or Is FAIRing CAREing?

Workshop "Data Management Planning"



good scientific research practice and governed through ○ CRITICAL FAIRNESS → d standards such as the FAIR principles.

> Documenting the data life cycle stages for a research project is a relatively new practice. It was only introduced broadly in the 2010s (Smale et al. 2020). Earlier, the DMP was mainly used in engineering and for very complex datadriven projects. However, paralleling the digitization of research and the proliferation of datafication, there have been economic and institutional arguments to formalize the handling and securing of data in research. It has been suggested that DMP's have professional, economic, and institutional benefits. They are considered to increase the researcher's productivity and visibility, the academic and non-academic impact of research, and serve the purpose of institutional planning and compliance.

In this workshop, we want to ask what a data management plan is and could be. How does it manage and plan data? What are the biases and mechanisms that go into this management and planning? What are its implications for research? What are its effects on researchers? And how

Workshop "Data Management Planning", 2024. Retrieved from: https://criticalmedialab.ch/data-management-planning/ (21.03.2024) n

W

Symposium Rewriting FAIR

○ PROJECTS →			
²⁰²⁰⁻ The Rewrite	Adoption in all ourse revolvement in larging in parts securing our set of the Revolution of Adolts Collamors of the Revolution of Adolts Collamors of the Revolution of Adolts Collamors of the Revolution of Adolts Adolts and Adolt the Security of Adolts adolts the Adolts address that the Security of the Adolts address address address address address address the Collamors of the Performance of Adolts Address address address address address address address address address address address address address address address address address address by Bolts and Advess address	The net respective and adjustment actions are sequencing and provide the sequence of any sequencing adjustment of the sequence of any sequencing adjustment of the sequence of adjustment of the sequence of the sequence adjustment of the sequence of the sequence of the sequence of the sequence of the sequence adjustment of the sequence of the sequence adjustment of the sequence of the sequence of the short of adjustment of the sequence of the short of the sequence of the sequence of the sequence of the short of adjustment of the sequence of the short of the sequence of the sequence of the sequence of the short of adjustment of the sequence of the short of the sequence of the sequ	A A
The Rewrite project aspires to activate your own power to challenge the authority of a text through forms of collective study, collaboration, and consensus building. We aim at developing practices of annotation that will support collaborative reading, writing and negotiation of complex information. It was born out of a frustration with current climate politics and the desire to reimagine approaches to climate governance by engaging with the text of the Paris Agreement, uncovering and unlearning the imaginaries that drive it and experimenting with alternative ones.			ownload the Browser Extension The Rewrite Github Repository sion of the project recorded for the ion "Reading the Library", rerk St.Gallen
The first iteration of the Rewrite was produced as a project for the Anthr Curriculum's Courses Pathway. Within the framework of the exhibition	-		o <mark>nt Pelerin Rewrite Project</mark> (Orit n, Karolina Sobecka, Johannes

The Rewrite, 2020. Retrieved from: https://criticalmedialab.ch/projects/the-rewrite/ (21.03.2024).

n

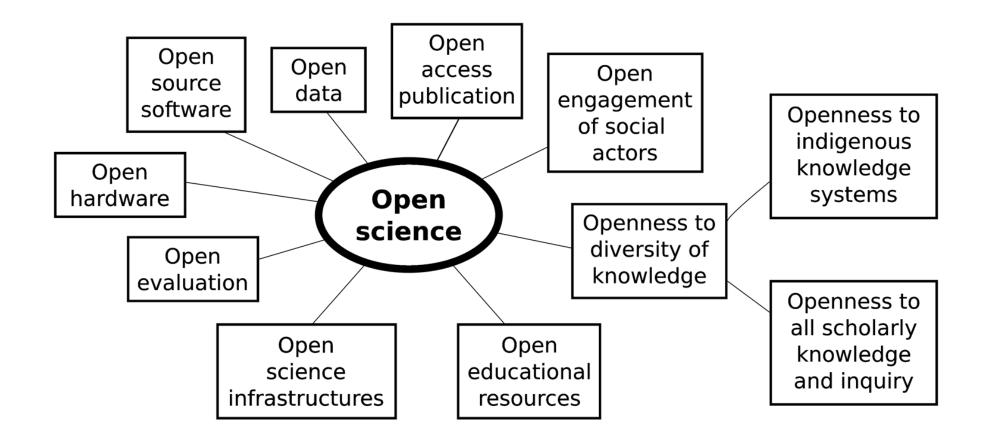
W

member of swissuniversities

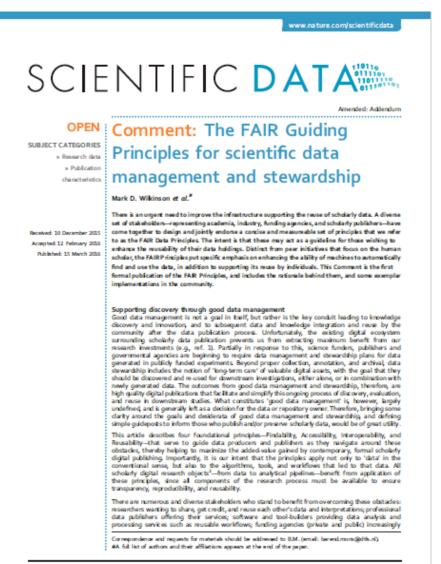
Brief Introduction to FAIR and CARE

Definition of Open Science

"Open science is a set of principles and practices that aim to make scientific research from all fields accessible to everyone for the benefits of scientists and society as a whole. Open science is about making sure not only that scientific knowledge is accessible but also that the production of that knowledge itself is inclusive, equitable and sustainable." (UNESCO 2023)



Robbie Ian Morrison, Open science diagram. Retrieved from: https://en.wikipedia.org/wiki/File:Osc2021-unesco-open-science-no-gray.png (21.03.2024)



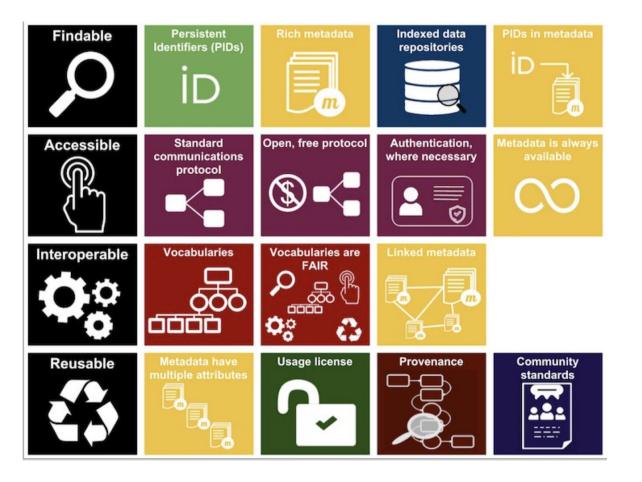
SCENTER: DATA 3 160018 | DOI: 10.108/elata.201618

Wilkinson, Mark D. et al. 2016.

FAIR Principles (2016)

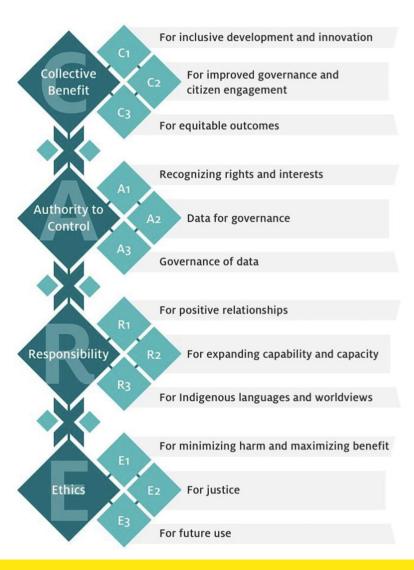
n

V



Sangya Pundir, FAIR data infographic. Retrieved from: <u>https://conference.eresearch.edu</u> <u>.au/fair-go-new-resources-to-</u> <u>support-fair-data/</u> (13.02.2024),

CARE Principles (2019)



Carroll et al. 2020.

n

Contact

n

- Patrizia Munforte: patrizia.munforte@fhnw.ch
- Website: <u>https://critical-fairness.net/</u>
- Website CML: https://criticalmedialab.ch/

References

- Bulley, James, and Özden Şahin. 2021. Practice Research Report 1: What Is Practice Research? And Report 2: How Can Practice Research Be Shared? London: British Library. <u>10.23636/1347</u> (March 21, 2024).
- Carroll, Stephanie Russo et al. 2020. "The CARE Principles for Indigenous Data Governance." Data Science Journal 19: 43. doi:<u>10.5334/dsj-2020-043</u>.
- Garrett, Leigh, and Marie-Therese Gramstadt. 2012. "KAPTUR: Exploring the Nature of Visual Arts Research Data and Its Effective Management." doi:<u>10.14236/ewic/EVA2012.16</u>.
- UKRI. 2016. Concordat on Open Research Data. <u>https://www.ukri.org/wp-content/uploads/2020/10/UKRI-020920-</u> <u>ConcordatonOpenResearchData.pdf</u> (March 21, 2024).
- Ranger, Holly. 2022. "Capturing and Preserving Practice Based Research." *Digital Preservation Coalition*. <u>https://www.dpconline.org/blog/capturing-and-preserving-practice-based-research</u> (March 21, 2024).
- Siminson, Nicola, Julie Ramage, and Jeremy Barraud. 2016. "I'm Not a Scientist, I Don't Have Any Research Data!': Managing Arts and Humanities Data." <u>https://de.slideshare.net/JiscRDM/managing-arts-and-humanities-data</u> (March 21, 2024).
- Staunton, Ciara et al. 2021. "Open Science, Data Sharing and Solidarity: Who Benefits?" *History and Philosophy of the Life Sciences* 43(4): 1–8. doi: 10.1007/s40656-021-00468-6.
- UNESCO. 2021. UNESCO Recommendation on Open Science. https://doi.org/10.54677/MNMH8546 (March 21, 2024).
- Wilkinson, Mark D. et al. 2016. "The FAIR Guiding Principles for Scientific Data Management and Stewardship." Scientific Data 3(1): 160018. doi: 10.1038/sdata.2016.18.