

Open Science Event 2019



Begrüßung: Sabine Gehrlein und Edgar Erdfelder

Open Science Event 2019



Open Science Event 2019

- Einiges wurde erreicht, vor allem durch tatkräftige Unterstützung der Universitätsbibliothek
- Open Access Publikationsfonds (MWK-finanziert)
- MADOC-Plattform für OA-Veröffentlichung (z.B. Dissertationen oder Zweitveröffentlichungen)
- DEAL-Verträge: Publish-and-Read Lizenzen (vorerst) mit Cambridge University Press, Wiley und Springer
- Beratung bei Publikationen, die zur Veröffentlichung angenommen und MADOC gemeldet wurden.
- Projekt BERD = Business and Economic Research Data jetzt gestartet mit dem Fokus auf den Forschungsdaten in den Wirtschaftswissenschaften.

Open Science Event 2019



Open Science Event 2019

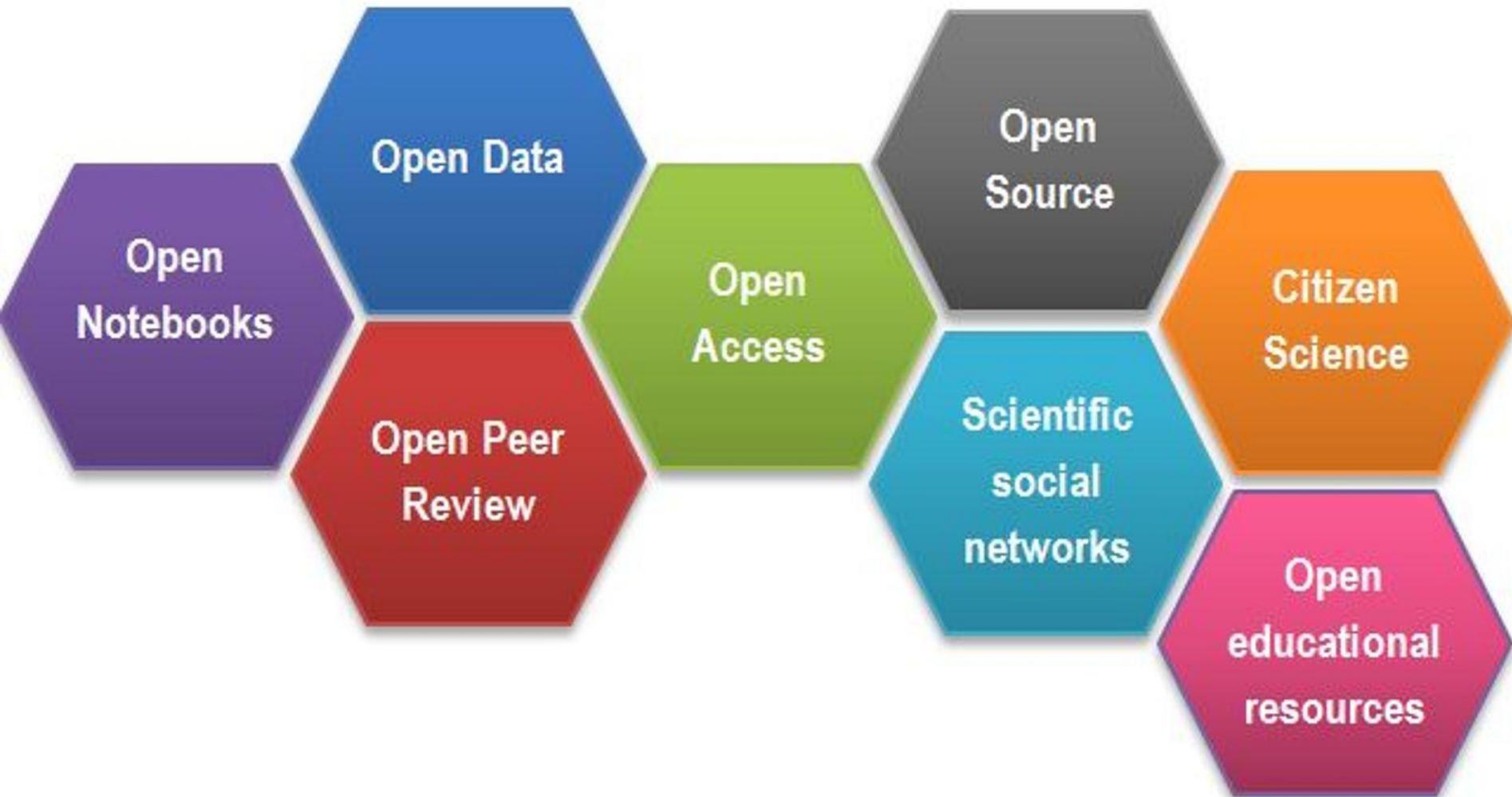
- Ziel von Open Science:
- Transparente, replizierbare Forschung.
- Forschungsresultate für alle zugänglich, verständlich und nutzbar machen.
- Stärkung der Wissenschaft
- Stärkung des Vertrauens in Wissenschaft.

Open Science Event 2019



Open Science

Open Science Event 2019



Open Science Event 2019

Benefits of Open Science



Researchers

- greater visibility & reach
- increased efficiency
- funding
- collaboration/networking



Funders

- increased visibility & reuse of funded research
- greater funding impact
- greater ROI



General Public

- faster knowledge transfer
- increased understanding and expertise
- promoting engagement in science & research



Organisations/ NGOs

- enhanced access to research
- more effective advocacy/lobbying



National Governments

- evidence-informed policy
- promoting Human Rights and democracy

Open Science Event 2019

- Warum jetzt ein Open Science Programm für die Universität Mannheim auf die Tagesordnung setzen?
- Umfrage der HRK zu implementierten Anreizsystemen für Open Science Aktivitäten
- Reaktion of Open Science Initiative der EU
 - Open Science Career Assessment Matrix (OS-CAM)
- Umfrage an unsere Fakultäten ergab keinerlei institutionalisierte Open Science Aktivitäten.

13:45-13:55

Begrüßung

Prof. Dr. Edgar Erdfelder, Prorektor für Forschung und wissenschaftlichen Nachwuchs

Dr. Sabine Gehrlein, Leitende Bibliotheksdirektorin

13:55-14:25

Assessing the impact of science, unscientifically

Lisa Matthias (Graduate School of North American Studies, FU Berlin)

14:25-14:40

Perspektiven auf die Potenziale von Open Educational Resources an Hochschulen - Wo stehen wir und was braucht es noch?

Anne-Sophie Waag (Lehrstuhl Bildungspsychologie)

14:40-14:55

Glauben versus Wissen in der Geschichte des Rechts: Zur Konzeption einer konkurshistorischen Datenbank für das Deutsche Kaiserreich

Christoph Kling (Lehrstuhl für Bürgerliches Recht, Rhetorik und Europäische Rechtsgeschichte)

14:55-15:10

Open Access and the Ecology of Competition

Prof. Dr. Marc Lerchenmüller (Juniorprofessur für Technologische Innovation & Management)

15:10-15:15

Umbau

15:15-15:45

Paneldiskussion

Moderation: *Prof. Dr. Jan Henrik Klement (Lehrstuhl für Öffentliches Recht, Ökonomische Analyse des Rechts und Öffentliches Wirtschaftsrecht)*

Panel: *Prof. Dr. Edgar Erdfelder, Lisa Matthias, Anne-Sophie Waag, Christoph Kling, Prof. Dr. Marc Lerchenmüller*

<https://www.bib.uni-mannheim.de/open-science-event-2019/>

Open Science Event 2019



Evaluation of Research Careers fully acknowledging Open Science Practices

Rewards, incentives and/or recognition for researchers
practicing Open Science

<https://doi.org/10.2777/75255>

Open Science Event 2019

Figure 1. Open Science Career Assessment Matrix (OS-CAM) representing the range of evaluation criteria for assessing Open Science activities

Open Science Career Assessment Matrix (OS-CAM)	
Open Science activities	Possible evaluation criteria
RESEARCH OUTPUT	
Research activity	Pushing forward the boundaries of open science as a research topic
Publications	Publishing in open access journals Self-archiving in open access repositories
Datasets and research results	Using the FAIR data principles Adopting quality standards in open data management and open datasets Making use of open data from other researchers
Open source	Using open source software and other open tools Developing new software and tools that are open to other users
Funding	Securing funding for open science activities
RESEARCH PROCESS	
Stakeholder engagement / citizen science	Actively engaging society and research users in the research process Sharing provisional research results with stakeholders through open platforms (e.g. Arxiv, Figshare) Involving stakeholders in peer review processes
Collaboration and Interdisciplinarity	Widening participation in research through open collaborative projects Engaging in team science through diverse cross-disciplinary teams
Research integrity	Being aware of the ethical and legal issues relating to data sharing, confidentiality, attribution and environmental impact of open science activities Fully recognizing the contribution of others in research projects, including collaborators, co-authors, citizens, open data providers
Risk management	Taking account of the risks involved in open science
SERVICE AND LEADERSHIP	
Leadership	Developing a vision and strategy on how to integrate OS practices in the normal practice of doing research Driving policy and practice in open science

<https://doi.org/10.2777/75255>

Open Science Event 2019

	Being a role model in practicing open science
Academic standing	Developing an international or national profile for open science activities Contributing as editor or advisor for open science journals or bodies
Peer review	Contributing to open peer review processes Examining or assessing open research
Networking	Participating in national and international networks relating to open science
RESEARCH IMPACT	
Communication and Dissemination	Participating in public engagement activities Sharing research results through non-academic dissemination channels Translating research into a language suitable for public understanding
IP (patents, licenses)	Being knowledgeable on the legal and ethical issues relating to IPR Transferring IP to the wider economy
Societal impact	Evidence of use of research by societal groups Recognition from societal groups or for societal activities
Knowledge exchange	Engaging in open innovation with partners beyond academia
TEACHING AND SUPERVISION	
Teaching	Training other researchers in open science principles and methods Developing curricula and programs in open science methods, including open science data management Raising awareness and understanding in open science in undergraduate and masters' programs
Mentoring	Mentoring and encouraging others in developing their open science capabilities
Supervision	Supporting early stage researchers to adopt an open science approach
PROFESSIONAL EXPERIENCE	
Continuing professional development	Investing in own professional development to build open science capabilities
Project management	Successfully delivering open science projects involving diverse research teams
Personal qualities	Demonstrating the personal qualities to engage society and research users with open science Showing the flexibility and perseverance to respond to the challenges of conducting open science

<https://doi.org/10.2777/75255>

Bildquellen

- Folie 1: Stephanie Eichler (2007): Schloss Mannheim
https://commons.wikimedia.org/wiki/File:Universitaet_Mannheim_Schloss_Ehrenhof.jpg [CC-BY-SA]
- Folie 4: Politecnico di Torino Magazine (2018): L'Europa accelera sull'Open Science
https://poliflash.polito.it/ricerca_e_innovazione/l_europa_accelera_sull_open_science
- Folie 6: Julien C. (2018): Open Science <https://www.meetup.com/de-DE/Berlin-Open-Science-Meetup/photos/28561923/>
- Folie 7: Gema Bueno de la Fuente:
<https://www.fosteropenscience.eu/content/what-open-science-introduction> [CC-BY]
- Folie 8: OpenAIRE (2018): <https://www.openaire.eu/what-is-open-science> [CC-BY]
- Folie 11-13: European Commission (2017): Evaluation of research careers fully acknowledging Open Science practices. <https://doi.org/10.2777/75255>