


"Open Science Day"

The first Open Science event @  15th December 2020, 14:00 - 16:30

Some house rules

- **Please ask questions in the chat**
- We record the event, please turn off your camera if you don't want to be recorded
- Please stay muted

Open Science Day at ITC

1. What is Open Science?
2. ITC Ph.D. Publication Award + Open Science Vision at ITC
3. Keynote by Frank Miedema
4. Break
5. Open Science @ ITC
6. Panel Discussion
7. Closing ~ 16.30



Open Access: Users gain full, immediate, unrestricted access to scientific publications.

Open Data: Data is accessible in accordance with good data governance (e.g., FAIR principles).

Open Software/Hardware: Software is accessible under an open license. Similarly, physical objects (hardware) are openly available and can be studied, modified etc..

OS Infrastructure: Digital I. needed to support OS (e.g. platforms/repositories) should be non-profit and guarantee permanent/unrestricted access to everyone.

Open Evaluation: Transparent and participatory peer review, possible disclosure of reviewers, publicly available reviews.

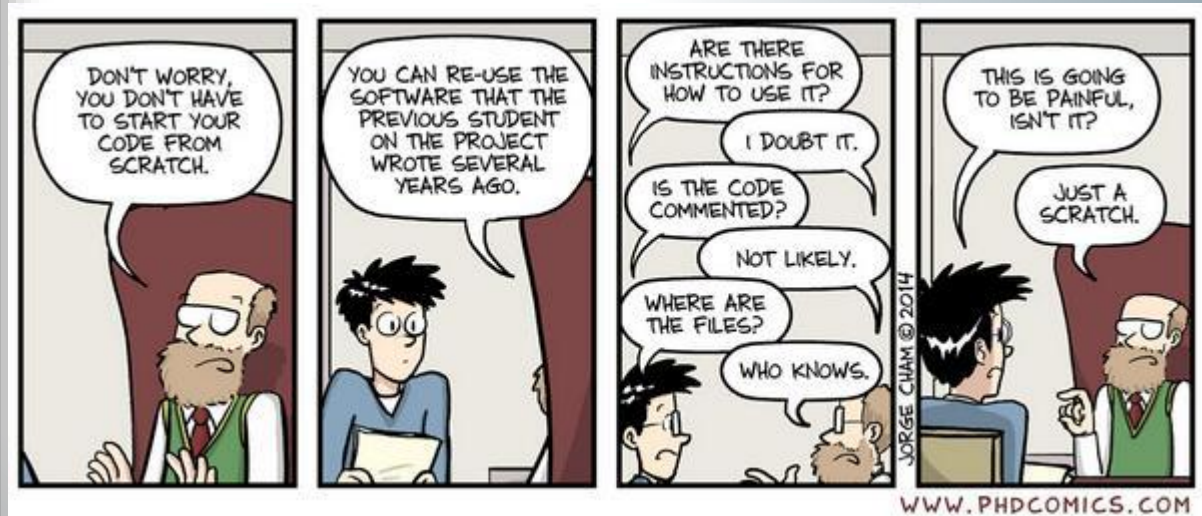
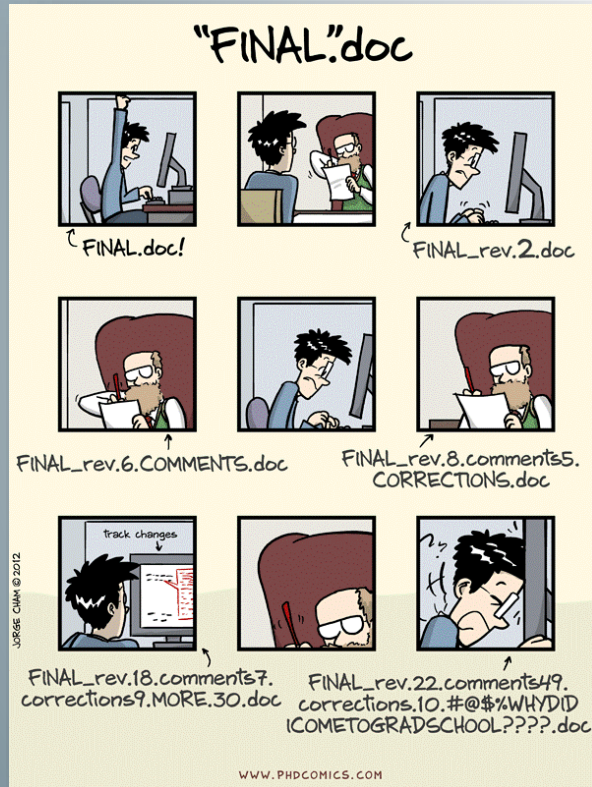
Open Education: Learning, teaching, and research materials should be freely and openly accessible, re-usable, and redistributable.

Open Engagement of Societal Actors: Involve people outside science (“Citizen and participatory science”).

Openness and Diversity of Knowledge: Recognize richness of diverse knowledge systems, holders, and producers.



BREAK until 15:30



More citations

New collaborations

Media attention

Job opportunities

Serve society

Funding opportunities

Receive formal recognition



Shaping2030 is the University of Twente's mission, vision and strategy for 2020-2030.

McKiernan et al. eLife 2016;5:e16800.
DOI: 10.7554/eLife.16800

Five selfish reasons...

Reason number 1: reproducibility helps to avoid disaster

“How bright promise in cancer testing fell apart” titled a *The New York Times* article

Reason number 2: reproducibility makes it easier to write papers

Transparency in your analysis makes writing papers much easier. For example, in a dynamic

Reason number 3: reproducibility helps reviewers see it your way

Most of us like to moan about peer review. One of the complaints I hear most often is: the reviewers didn't even read the paper and had no idea what we were really doing.

Reason number 4: reproducibility enables continuity of your work

I would be surprised if you hadn't heard the following remarks before, maybe you have even said them yourself: “I am so busy, I can't remember all the details of all my projects” or “I did this analysis 6 months ago. Of course I can't remember all the details after such a long time” or

Reason number 5: reproducibility helps to build your reputation

For several papers, we have made our data, code and analyses available as an Experiment Package on Bioconductor [5]. When I came up for tenure, I cited all of these packages as

Markowetz, F. Five selfish reasons to work reproducibly. *Genome Biol* **16**, 274 (2015). <https://doi.org/10.1186/s13059-015-0850-7>

Things take time!

“Openness is not all-or-nothing [...] Fully open research is a long-term goal, not a switch we should expect to flip overnight.” (MCKIERNAN, 2016)

<https://www.itc.nl/open-science/>

UNIVERSITY OF TWENTE. ITC

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Definitions and more

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BLOG POSTS

[BLOG#1] CITIZEN SCIENCE CONFERENCE

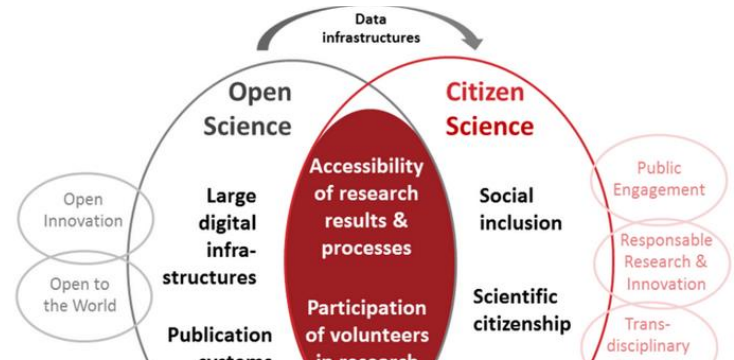
By Markus Konkol

Open Science is often associated with trained researchers who are general scientific findings together with other trained researchers. However, many [definitions](#) include aspects that not only address researchers. Science should be a person willing to stay informed and contribute. Consequently, science stimulates the active engagement and contribution of actors beyond the scientific community from society, politics, and the economy. It is thus not surprising aspects summarized as *Citizen Science* in University of Twente's [Shaping2C](#). Citizen Science, as the name suggests, pays particular attention to societal aims at bridging the gap between innovation and society.

Home ITC / Research / Open Science / Citizen Science

CITIZEN SCIENCE

Citizen Science is the voluntary participation of non-professional scientists in research and innovation. It has a huge potential to improve research and its outcomes, reinforce transparency and societal trust in science, increase the relevance and effectiveness of research by aligning it with the needs and values of society. Citizen Science [“presents the means for open, holistic and participatory processes of knowledge generation”](#), and should therefore be acknowledged as an important pillar of Open Science. Citizen science is an important part of the EU policy -- citizen engagement is one of the pillars of the Von der Leyen Commission's New Push for European Democracy and participatory decision-making, of the EU's Open Science policy priority and the European Research Area.



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User Committee



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<https://www.openscience-twente.com/>



OSCTwente / Community / Join OSCT

JOIN OPEN SCIENCE COMMUNITY TWENTE

All employees and students from the University of Twente, as well as anyone involved in policymaking, teaching, or similar, can join the OSCT as a member. It doesn't matter if you have little or expert knowledge about Open Science, just come with an open mind and be curious about the broad spectrum of Open Science topics. You don't need to be an expert (To give up a secret: We also don't know everything, so please don't tell someone). Members are encouraged to participate and contribute.

OSCTwente / Newsletter

NEWSLETTER

Subscribe to the monthly OSCT newsletter. It provides a quick and concise summary of recent developments and news. The newsletter is created by a joined effort of the OSCT and addresses everyone interested in topics related to the broad and beautiful spectrum of Open Science. If you have a question, comments, or ideas regarding the newsletter, don't hesitate to drop us a [message](#).

Email*

SUBSCRIBE

OSCTwente / Our activities

OUR ACTIVITIES

OPEN SCIENCE KITCHEN

Let's be honest: The most important room in any department is the kitchen. There you get coffee or tea and meet your colleagues for quick chats about daily life and work. Open Science Kitchen is a series of regular, virtual meetings of around 60 minutes with changing topics that are free to everyone. These meet-ups hopefully help to get to know each other better and across departments. The goals are to

to discuss topics in the context of Open Science, and



Twitter: @OSCTwente

<https://www.openscience-twente.com/>



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Open Science Community Maastricht



- OSCM founded in 2019
- Make science open and FAIR for everyone by promoting Open Science all throughout UM
- Representation across multiple UM faculties and close collaboration with the University Library

- Currently working on:
 - Expanding OSCM with more Open Science ambassadors and other members
 - Increasing visibility of OSCM
 - Setting up “FAIR Coffee” lectures (inspiring Open Science/FAIR examples)
 - Designing FAIR skills workshop

- Visit us here:
<https://www.openscience-maastricht.nl/>

Our members



Rianne Fijen
Founder



Egon Willighagen
Founder



Matthijs Sloep
Founder



Dennie Hebelts
Open Science Ambassador
FHM, L



Emmy van den Heuvel
Open Science Ambassador UM
Campus Venlo



Gerasimos (Jerry) Spanakis
Open Science Ambassador FSE



Donna Yates
Open Science Ambassador FDR



Amanda Kals
Open Science Ambassador FPN

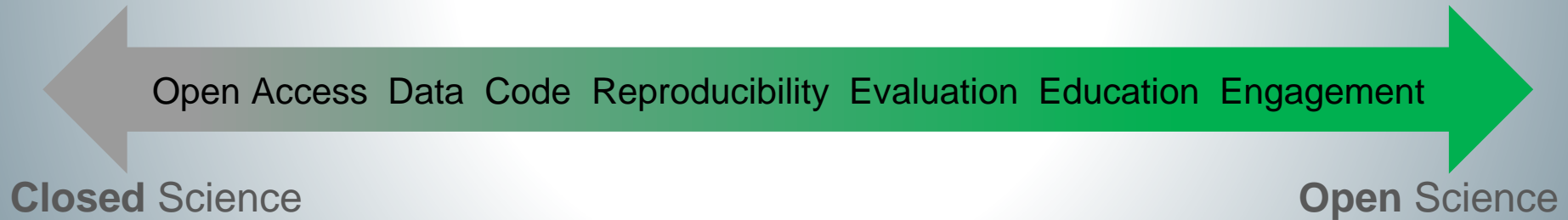


- Website: <https://www.openscience-rotterdam.com/>
- Twitter: [@OSCRotterdam](#)
- Coordinator: *Antonio Schettino*
- 41 official members (PhDs, post-docs, professors, support staff)
- Mailing list reaching ~500 researchers
- Online events:
 - ReproducibiliTea journal clubs
 - Lectures
 - Hands-on workshops
- One-to-one support

Ezra

Menti survey: <https://www.menti.com/>

Go to www.menti.com and use the code **29 99 46 9**

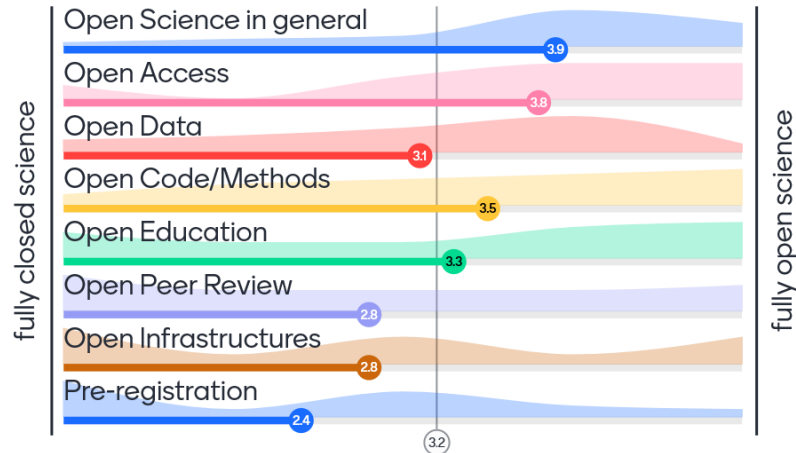


Panel Discussion

Regarding the results of the first question “How open are you?”

What does that mean for our work at ITC regarding OS?

How open are you? Locate yourself in the scale from 1 (fully closed science) to 5 (fully open science).

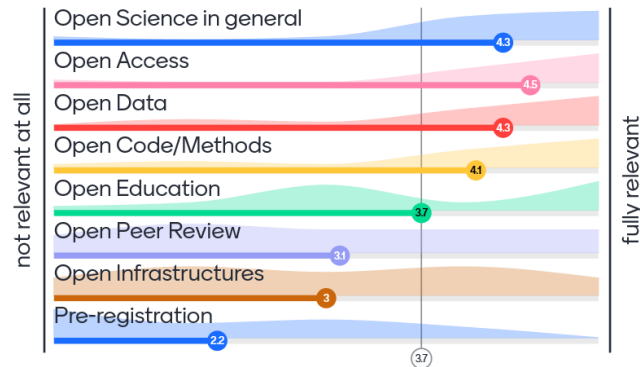


Panel Discussion

Regarding the results of the second question “How relevant are the following Open Science practices for your work?”

Why are certain aspects more/less relevant? Do you agree?

How relevant are the following Open Science practices for your work? Please use the scale from 1 (not relevant at all) to 5 (fully relevant).



Panel Discussion

From Open Access (The book) by Peter Suber: “[...] OA *makes plagiarism easier to detect. Not all plagiarists are smart, but the smart ones will not steal from OA sources indexed in every search engine. In this sense, OA deters plagiarism.*”

Is that also true for Open Data/Code? Why? Why not?

Panel Discussion

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And from the perspective of the social sciences?