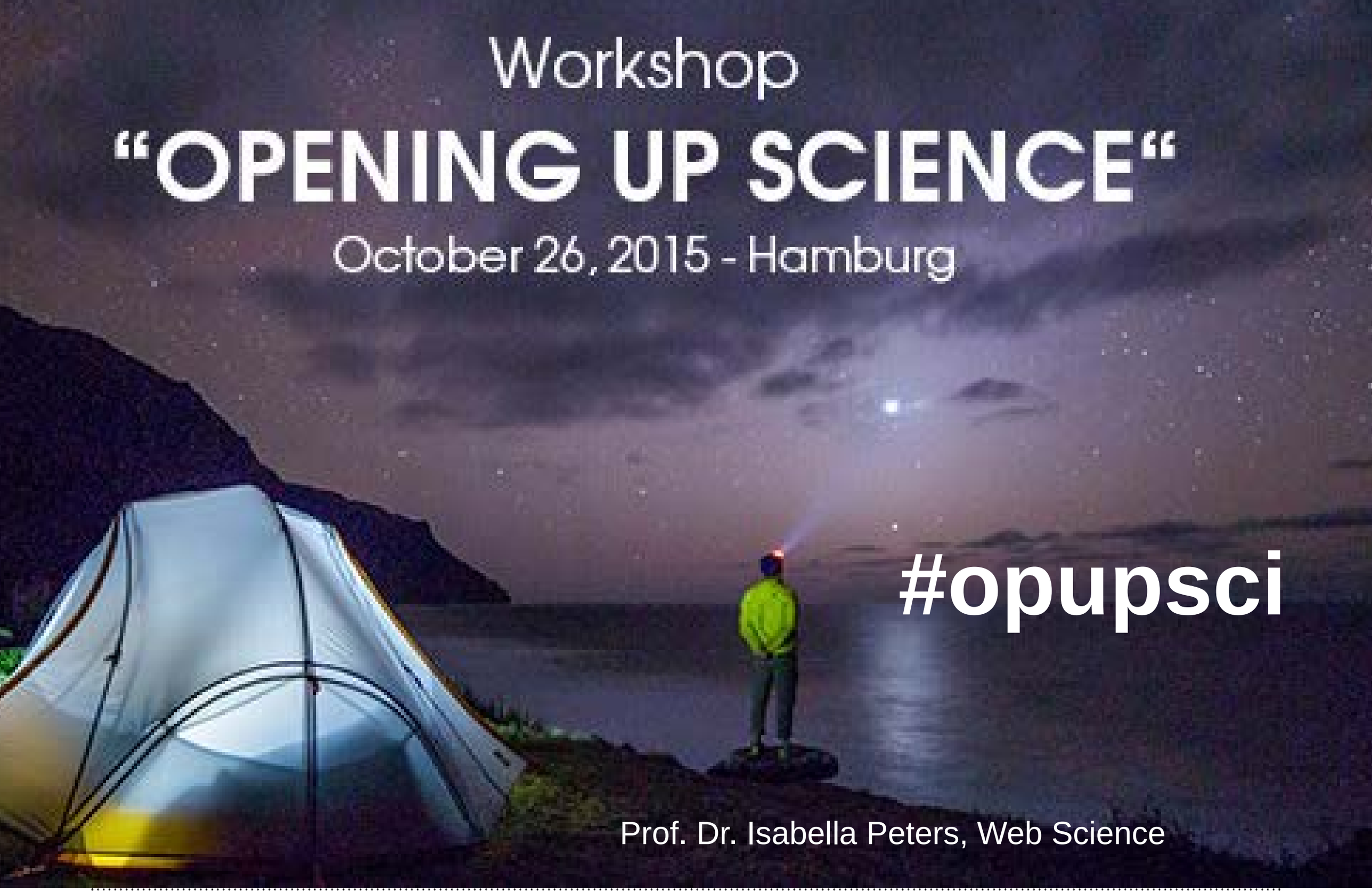
Workshop

“OPENING UP SCIENCE“

October 26, 2015 - Hamburg



#opupsci

Prof. Dr. Isabella Peters, Web Science

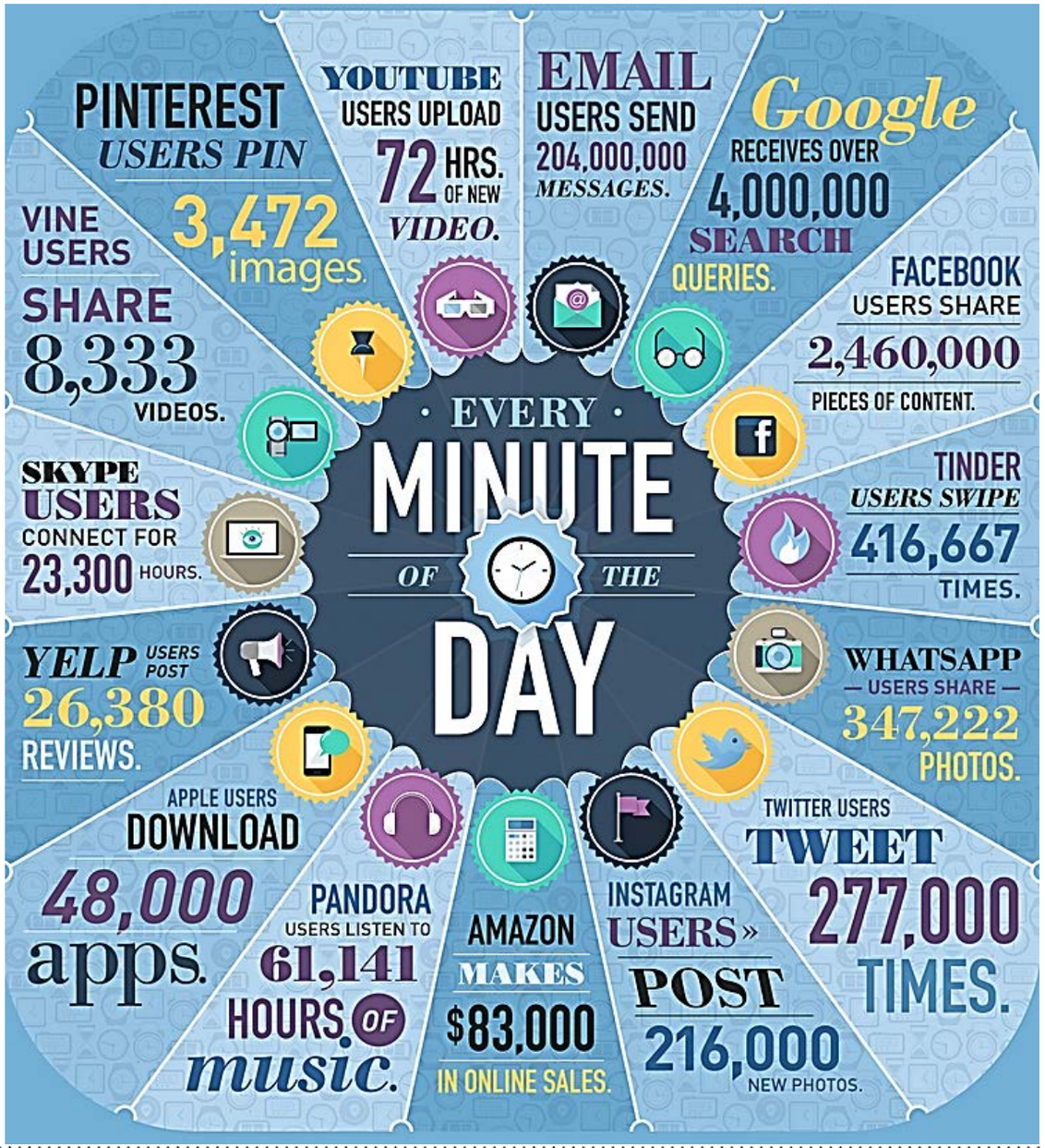
ZBW Leibniz-Informationszentrum Wirtschaft
Leibniz Information Centre for Economics

science 2.0
Leibniz-Forschungsverbund

Leibniz-Gemeinschaft

CAU

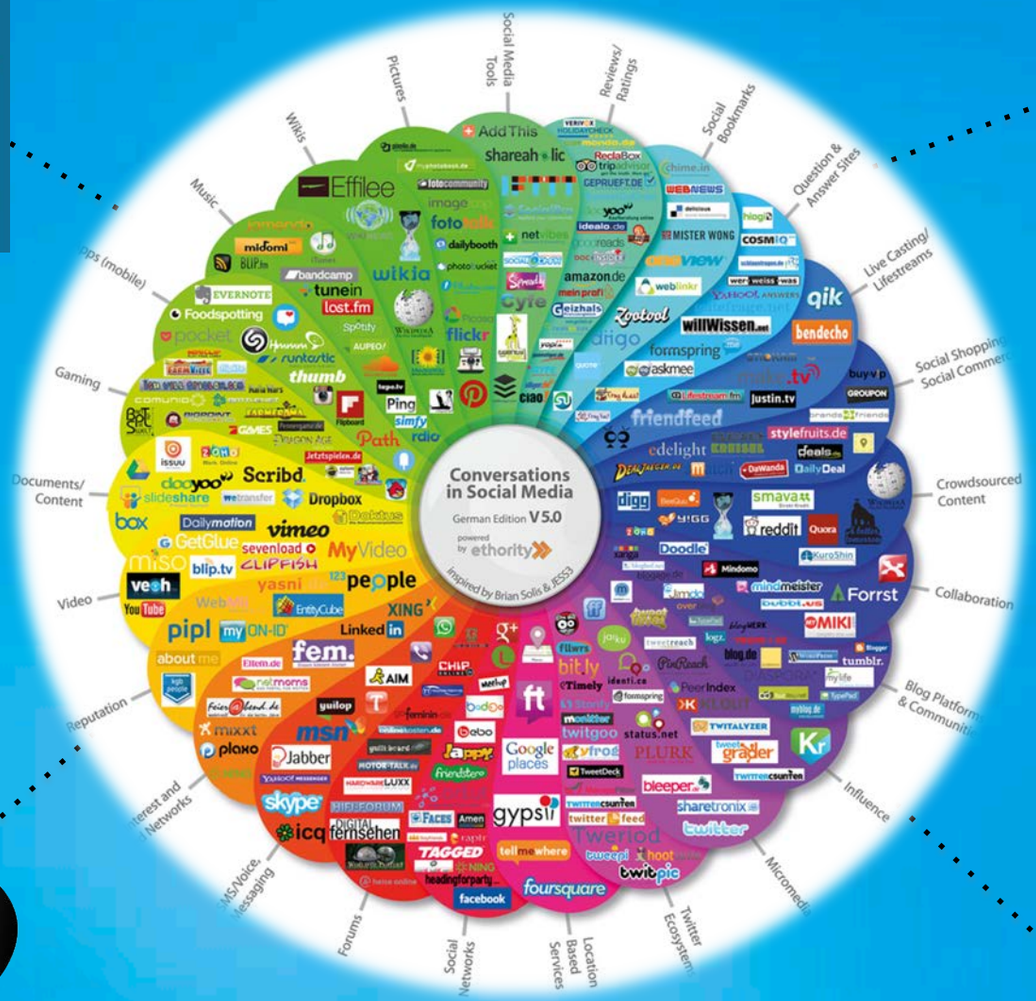
Opening Up Science: What‘s happening?



Quelle: http://www.domo.com/learn/data-never-sleeps-2

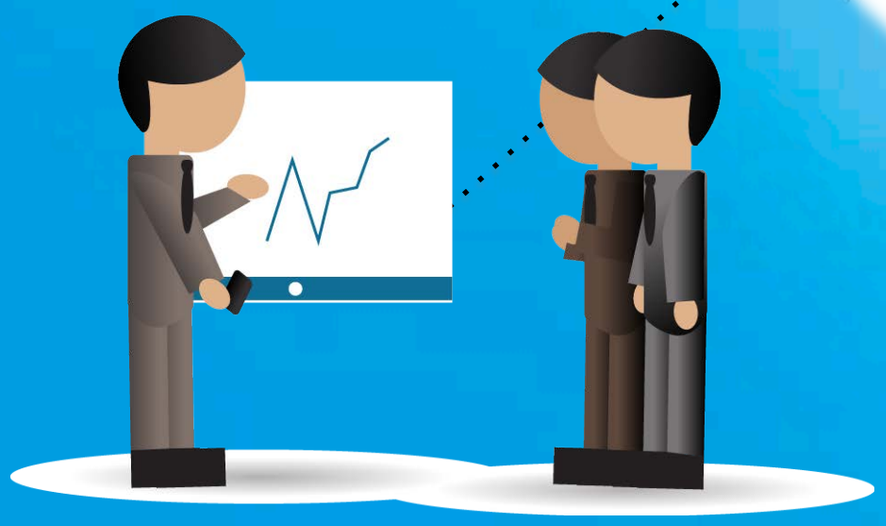
communication

Science 2.0 … federates a variety of communication channels to ease … communication within … scientific network [Gillet 2009]



open discourse

Science 2.0 allows for a richer dialogue, …, or an open discourse of critiquing, suggesting, sharing of ideas and data [Waldrop 2008]



collaboration

new technologies [that] continue to reorder whole disciplines, as increased collaboration [Shneiderman 2008]

participation

technology-enhanced participatory science [Underwood et al. 2009]

Quelle: http://www.ethority.de/weblog/social-media-prisma/

Opening Up Science: What‘s happening?

ScienceAlert @ScienceAlert · Aug 20

Scientific real talk. #**overlyhonestmethods** Read more: bit.ly/1oWgdPu via @22Words

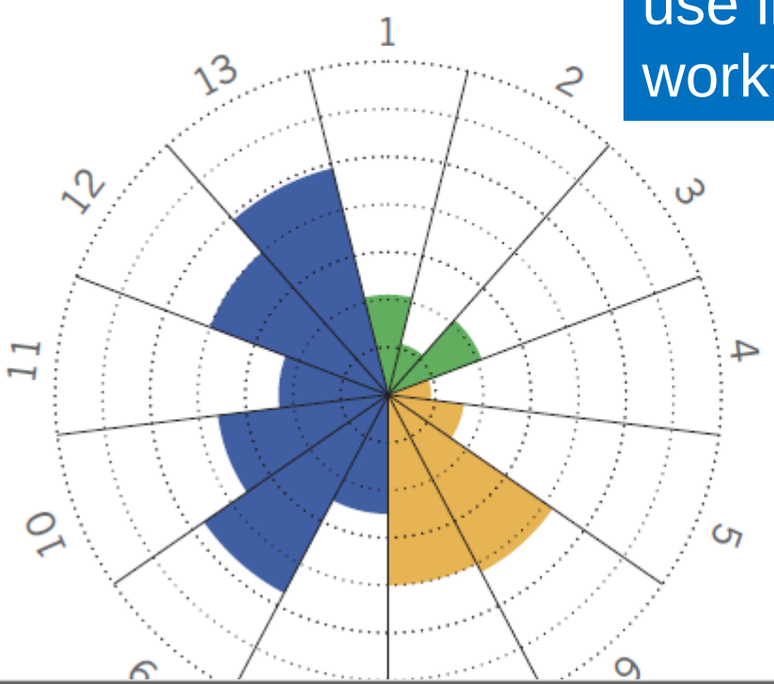
Prindle, A., Liu, J., Asally, M., Ly, S., García-Ojalvo, J., & Süel, G. (2015) Ion channels

posts about academic research.

Van Noorden, R. (2014). Scientists and the social network. Nature, 512, 126–129. doi:10.1038/512126a

TWITTER

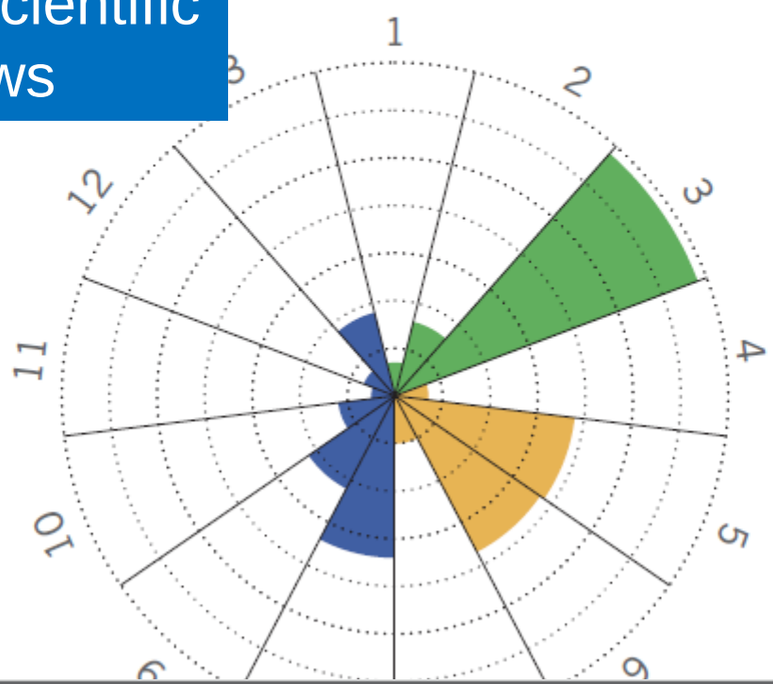
330 regular visitors



use in scientific workflows

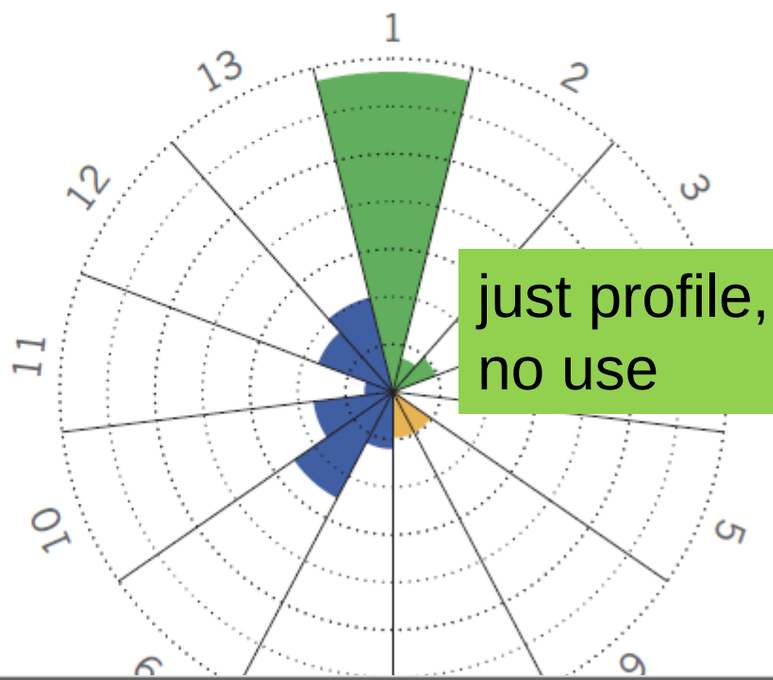
LINKEDIN

389 regular visitors



FACEBOOK

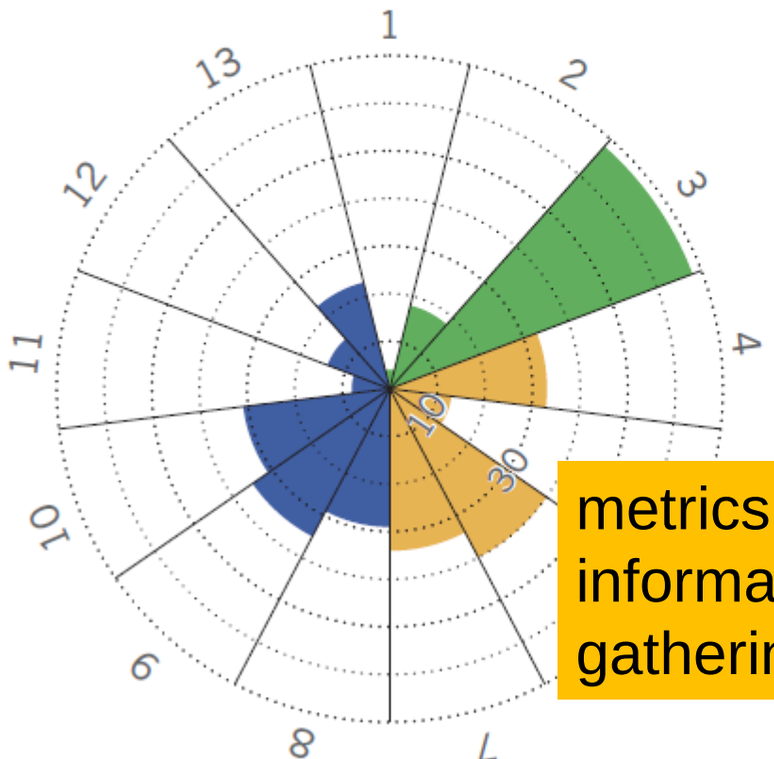
340 regular visitors



just profile, no use

RESEARCHGATE

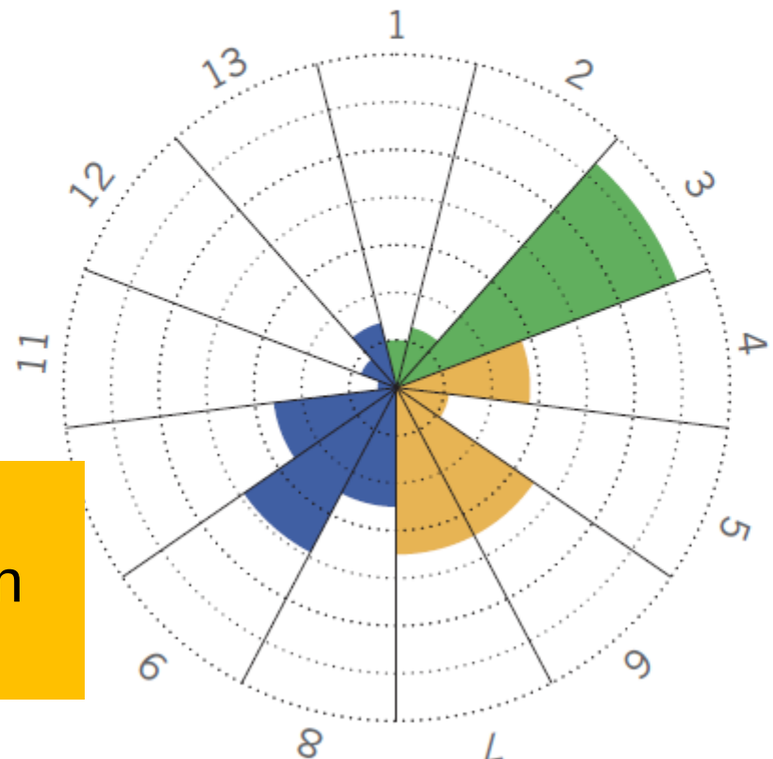
1,589 regular visitors



metrics & information gathering

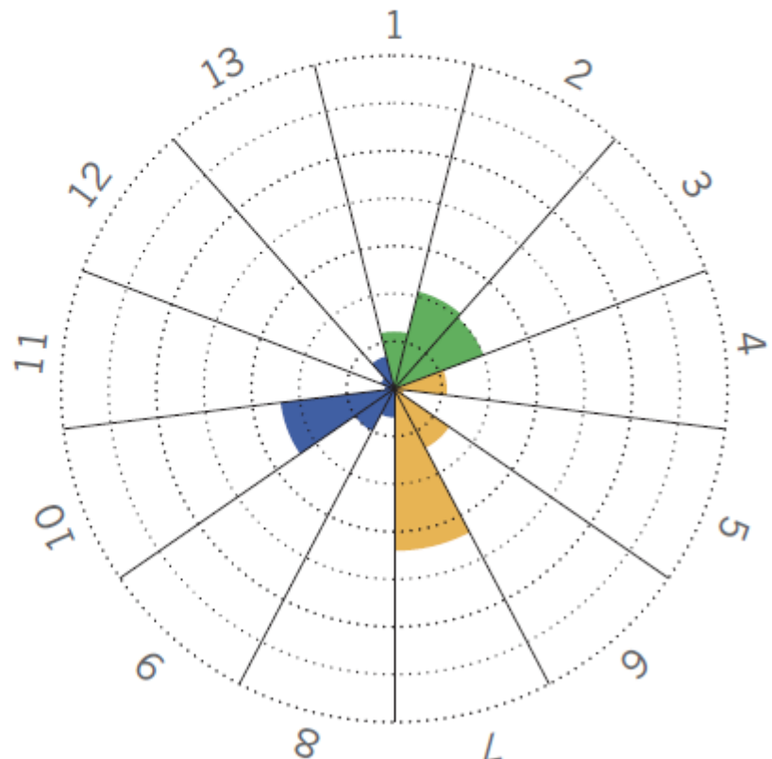
ACADEMIA.EDU

283 regular visitors



MENDELEY

198 regular visitors



Opening Up Science: What‘s happening?

Free and online

157%

Print-Only

Open Access

42%

Non-Open Access

Data published

69%

Data unpublished

Lawrence, S. (2001). Free online availability substantially increases a paper's impact. Nature, 411(6837), 521
Piwowar, H. A., Day, R. S., & Fridsma, D. B. (2007). Sharing detailed research data is associated with increased citation rate. PLoS ONE, 2(3): e308.
Eysenbach, G. (2006). Citation advantage of open access articles. PLoS Biol 4:e157.

Opening up science: Motivation for workshop

- Well, yes…but….

…what‘s in it for me?

…someone is going to steal my data/idea and publish it before me

…what if someone proves me wrong?

…I have no time…

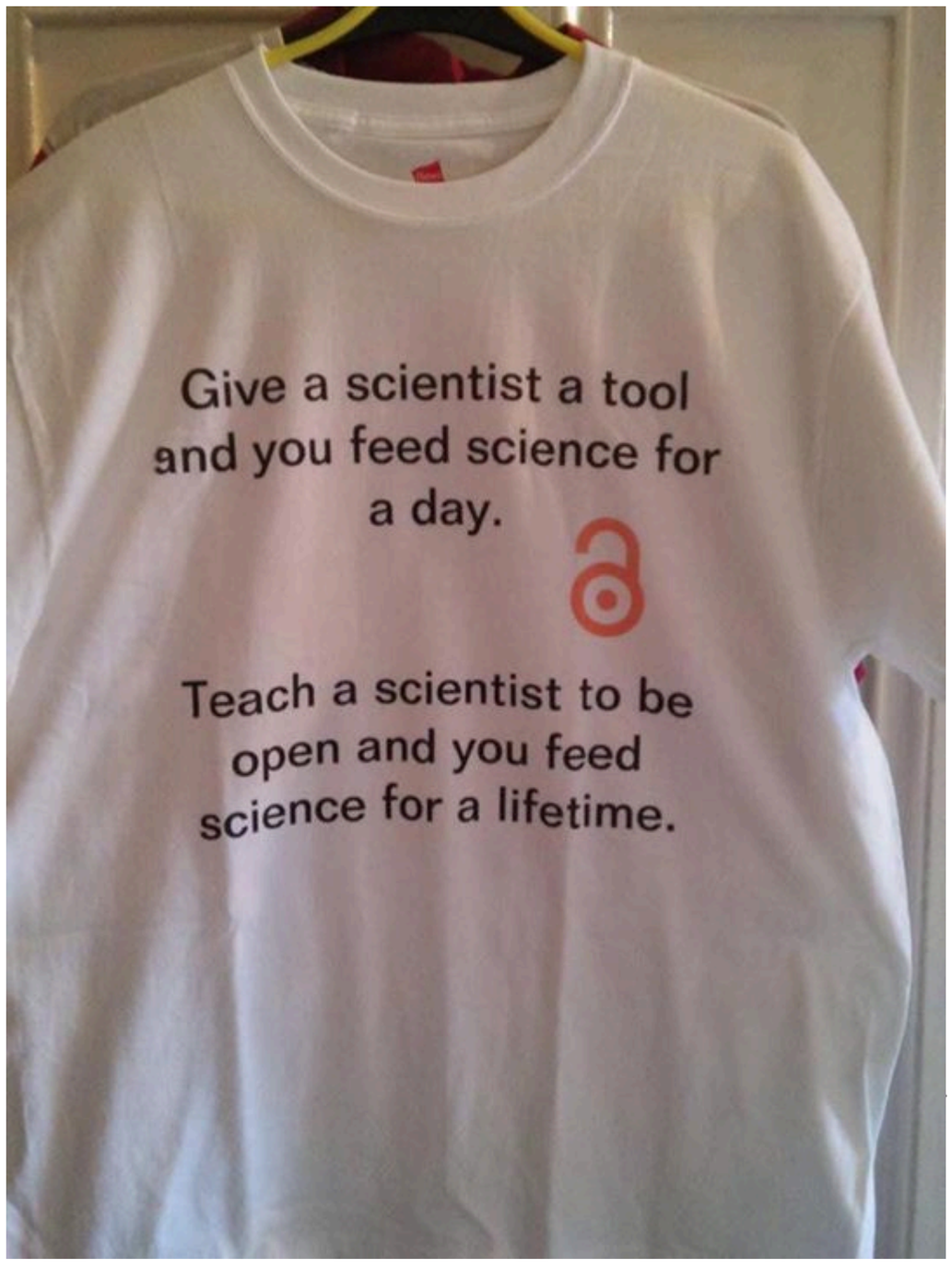
- Data reuse is good and wanted (~80%)

…but I don‘t want to share my data publicly (~87%)

Program

10:40	**Keynote “A lawyer, a scientist, and a kid walk into a makerspace”** Puneet Kishor (previously: Manager, Science and Data Policy, Creative Commons) (incl. discussion)
11:25	**“Opening up the research cycle”** Daniel Mietchen (Data Science at the National Institutes of Health, U.S. Department of Health and Human Services)
11:55	**“Scientific writing in an open platform”** Christian Heise (Centre for Digital Cultures at Leuphana University Lüneburg / Open Knowledge Foundation)
12:15	**“Opening Up Science – to what end and why?”** PD Dr. med. Sönke Bartling (German Cancer Research Center)
12:35	Lunch Break
13:15	**World Café** (incl. explanation of the concept) …with four thematic tables (discussion on each table: 15 min) • “A lawyer, a scientist, and a kid walk into a makerspace”, moderated by Puneet Kishor • “Wikidata: the database that anyone can edit”, moderated by Daniel Mietchen • “How to overcome the fear of idea theft”, moderated by Christian Heise • “Opening up Science – to what end and why?”, moderated by PD Dr. med. Sönke Bartling
14:30	Coffee Break
14:50	**Presentation of results by the moderators** (15 min for each topic including discussion)
15:50	**Wrap-up**
16:00	**End of workshop**

Documentation



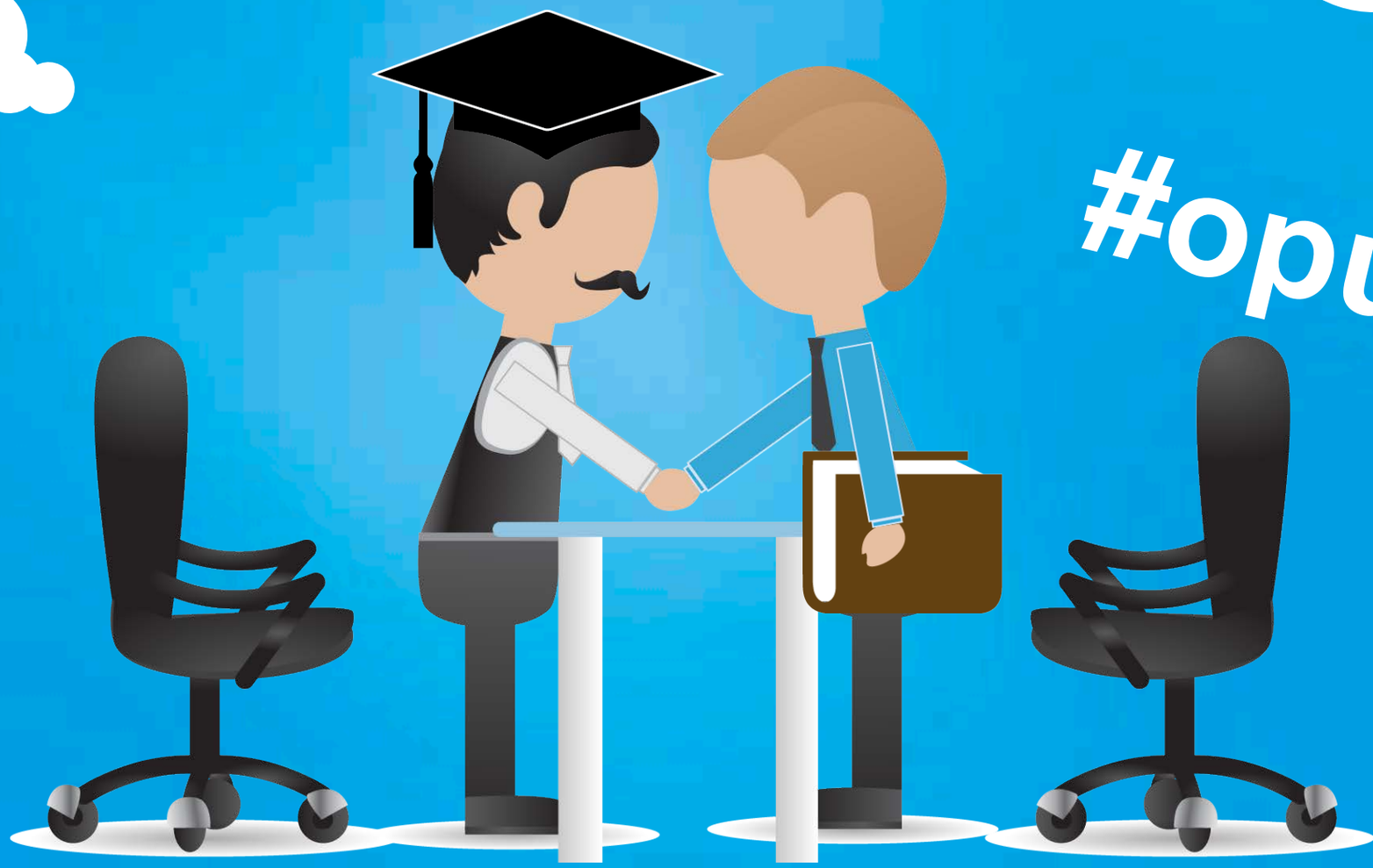
https://pad.okfn.org/p/OpUpSci

LAN1

Let‘s talk about it!

It‘s is happening **now!**

Get inspired!



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