



Diversity, Accessibility, and Inclusion in 'Open Science'

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01

What is Open Science?

Open Data, Open Methods, Open publishing, Open Scholarship

02

Feminism and Open Science

How the two interrelate

03

Challenges for engaging in Open Science as a feminist ECR

The barriers that exist

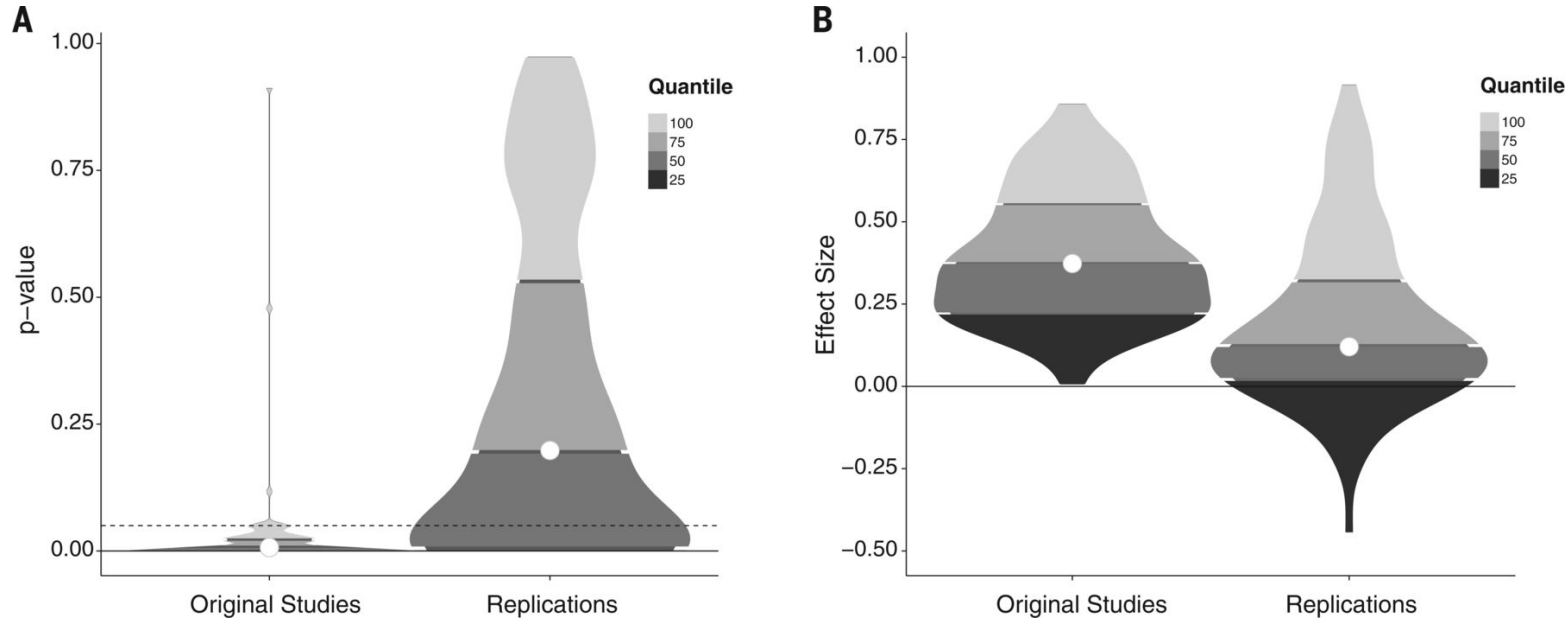
04

Benefits of engaging in Open Science as a feminist ECR

What there is to gain from OS

<https://psyarxiv.com/f9m47>

Is (psychological) science broken?



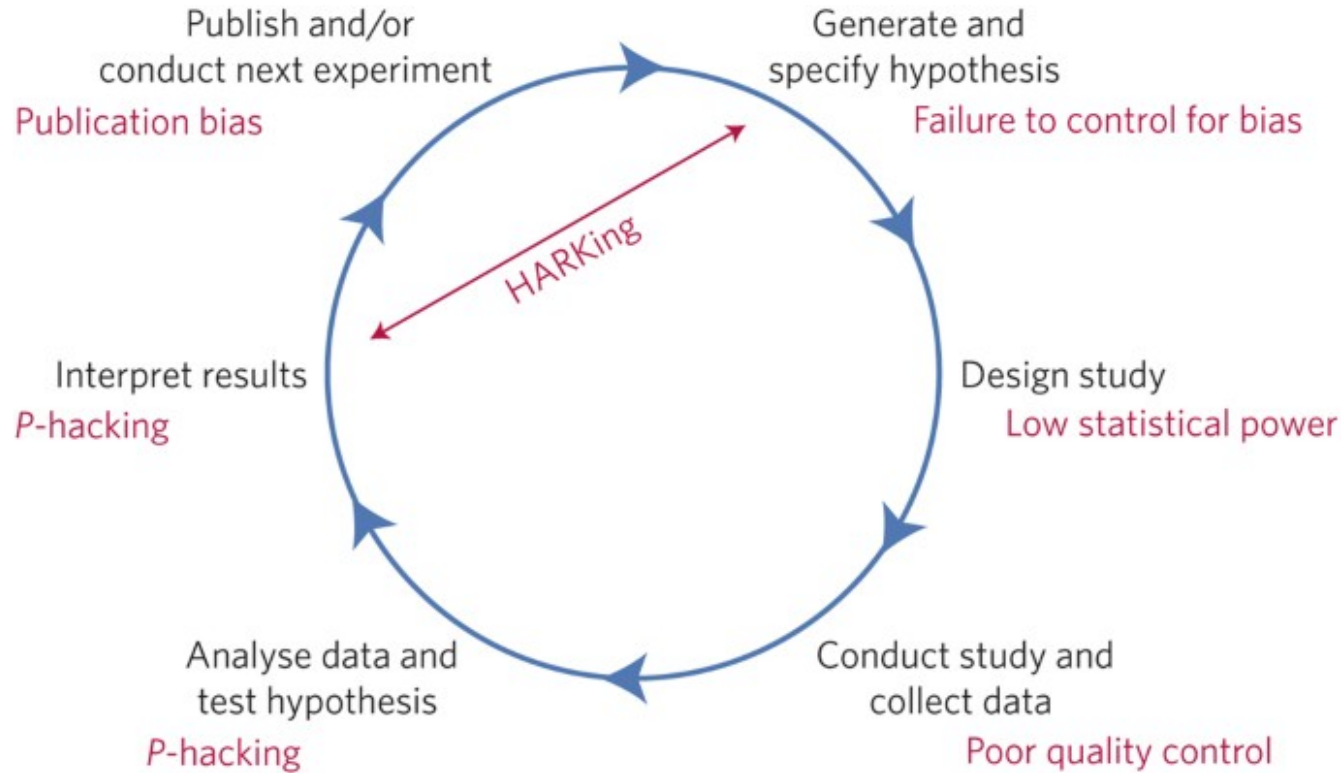
Open Science Collaboration. (2015). Estimating the reproducibility of psychological science. *Science*, 349(6251).

Concern for Open Science

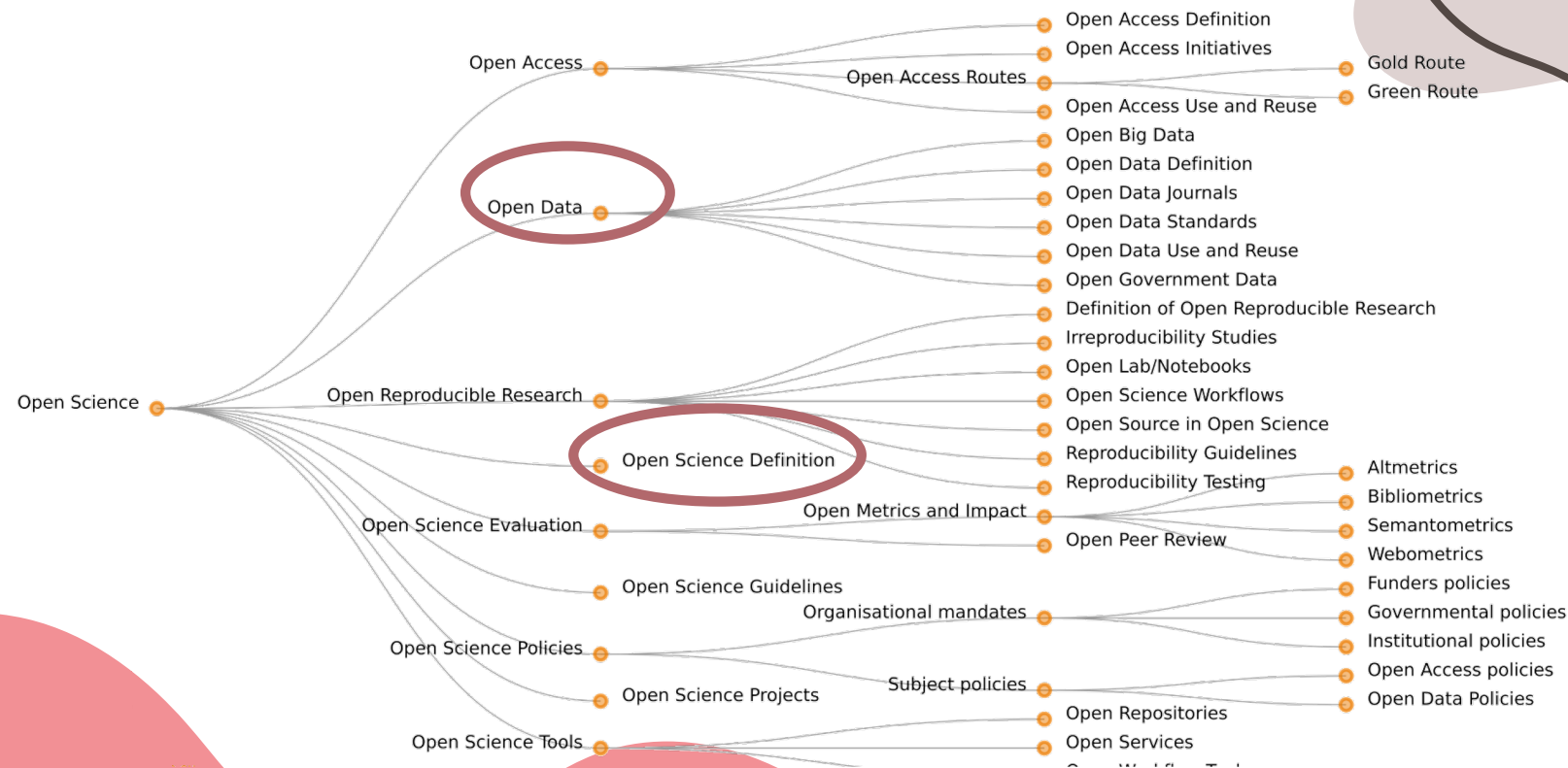
- **Replication:** The ability for other researchers to directly replicate your findings in a different sample with different data
- **Reproducibility:** The ability for other researchers to directly reproduce your findings in the same data
- **Good Science!:** Robust, transparent methodologies
 - Emerging attitudes and cultural changes
 - Questionable Research Practices

Questionable Research Practices (QRPs)

Munafo et al., 2017



FOSTER's Open Science Taxonomy



What is Open Science?



Open Data

Open and transparent sharing of study data, allowing reproducibility



Open Materials

Open and transparent sharing of study materials



Open Access

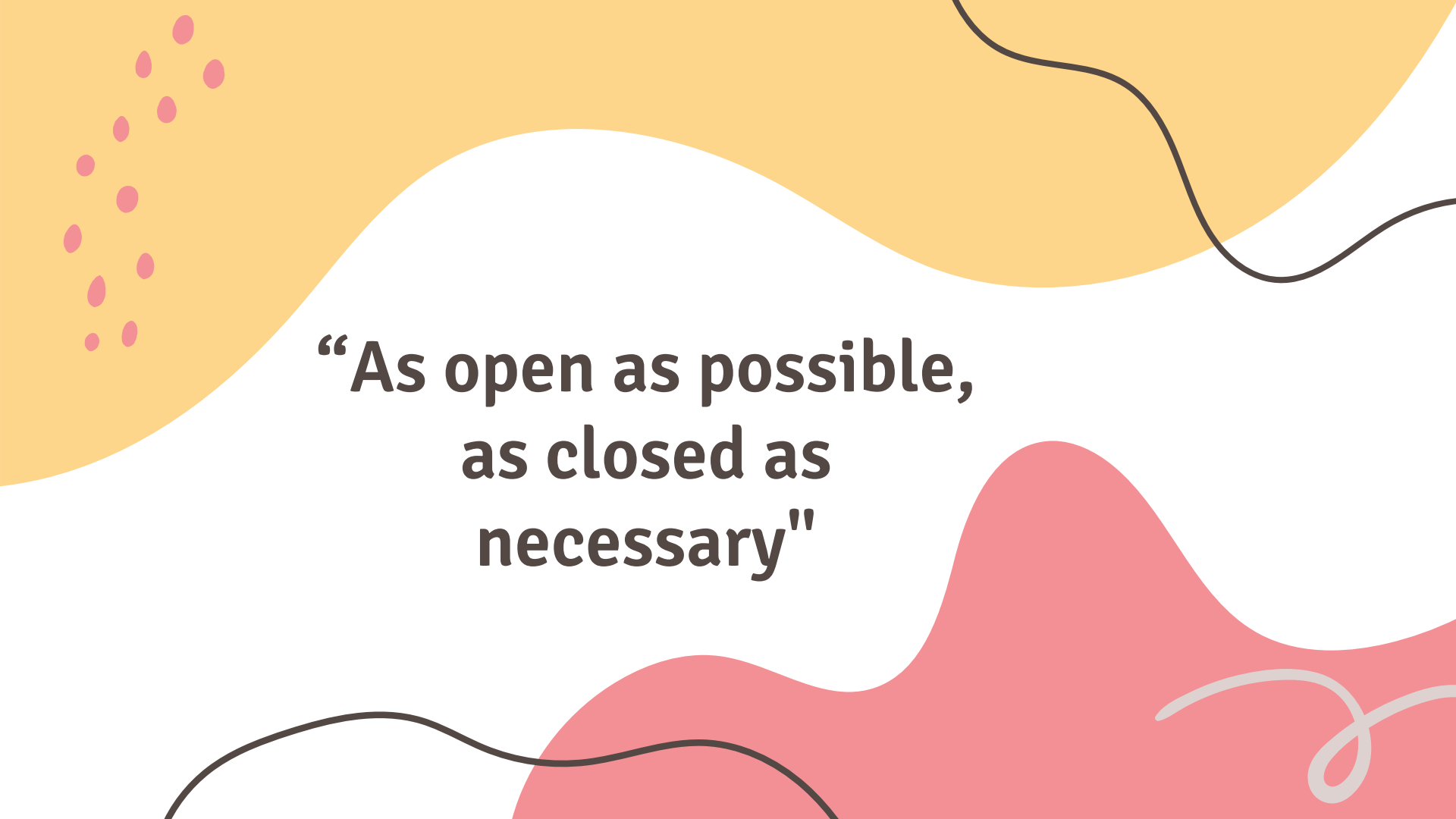
Transparency and openness in publishing. Improving accessibility



Open Scholarship

A culture which welcome scholarly openness and robust methods

See also: alternative publishing tools
(pre-registration and Registered Reports)



**“As open as possible,
as closed as
necessary”**

Barriers to engagement with Open Science

- Power imbalances and exacerbating ECR's vulnerability
- Open Science and non-quantitative approaches
- Vulnerable to abrasive and competitive online debates
-- #BropenScience
- Invisible labour

Open Science in the Global South

- Why do we care about OS in the Global South?
- Unique challenges
- Outreach to researchers (outside of UK/EU and Northern America) – NOT a ‘one-size-fits-all’ approach
- Existing collaborations and myths





Tip 1

Start at your own pace

There is no 'all or nothing' way to participate

Tip 2

Do what you need to survive

We need to contextualize Open Science in neoliberal academia

Tip 3

Engage in research advocacy

Help others, be collegiate

Tip 4

Be as open as *possible*

Not all data can be open, not all data should be open

Tip 5

Find (or create) your community

Community will get you through!

Thanks!

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