



FAIR data, open science – there is no O in FAIR

In the context of FAIR, **Closed**, **Shared** and **Open** Data can all be “Accessible” data.

Shades of Open

Open consumption “Can I use it?”

If there is no license, the legal default is that you cannot use it!

- Open for analysis
- Open for reuse
- Open for redistribution
- Open to adapt
- Open for redistribution of adapted versions
- Open, but with obligation to cite
- Open, but not for commercial applications
- Open, in name only, without explicit permissions



Open access to data “Can I get it?”



- Downloadable
- Available upon request
- Conditionally available
- For members only
- Only usable in a “Data Cave”

Open provenance “Can I see where it comes from?”

- Documented research process
- Open version history
- Open provenance data / reliable sources



Open production “Can I contribute to it?”



- Produced using citizen science
- Accessible during research process

Open language “Can I understand it?”

- Understandable by a larger audience
- Understandable by non-experts
- Full of jargon

