



How to (begin to) be FAIR

An evolving perspective at NASA

9 October 2023

Data , Analysis, and Software in Heliophysics
Laurel, MD, USA

Mark A. Parsons

<https://orcid.org/0000-0002-7723-0950>

mark.parsons@uah.edu

University of Alabama in Huntsville
NASA Office of the Chief Science Data Officer



Introductory Observations

- Open \neq FAIR
- Data Should be “born FAIR”
- FAIR is a spectrum, an adventure!
- The 15 FAIR principles are geared toward machine actionability, but the human users ultimately define what is FAIR in practice.
- There isn't a nominal example of what a repository does.

Findable

Findable is about interfaces but FAIR is *not* about interfaces.

Accessible

Authentication is necessary in many cases and it's more complex than it seems like it ought to be.

Interoperable

Verbs may be more important than nouns.

Reusable

Let's go CC0!



Users

Everything we build should be user driven but users don't always know what they want.

What does FAIR assessment look like?

We still don't know exactly, but we're developing a common interpretation and initial requirements.



Next Steps

- Develop more guidance
- Create or empower interdisciplinary collaborative fora