FAIR DATA IMPLEMENTATION AT NSF MAJOR FACILITIES

CHARLES F. VARDEMAN II[1], DON BROWER[1], ANGELA P. MURILLO[2], EWA DEELMAN[3]

[1]University of Notre Dame, Center for Research Computing, [2]Indiana University-Indianapolis, School of Informatics, Computing and Engineering, [3]Information Sciences Institute – University of Southern California

CI COMPASS FAIR DATA TWG

The FAIR Data Topical Working Group (TWG) was created in August 2022 in response to feedback from the 2022 CI4MF Workshop in which the MF and greater CI community shared that they are aware of FAIR principles and seek to implement them; however, they find it difficult to determine what exactly is FAIR, how to implement FAIR, and what is required to implement FAIR.

The FAIR Data TWG sets out to:

1. Understand the current practices and needs of FAIR implementation by MFs,
2. Research current and emerging FAIR data practices and implementation,
3. Organize guest speakers regarding FAIR, and
4. Disseminate research regarding FAIR data practices and implementation.

WORKING GROUP ACTIVITIES

- Organize monthly meetings and solicit topics
- Research and document considerations for implementing FAIR
- Organized guest speakers for FAIR-related webinars
- Disseminate research regarding FAIR implementation.

Working group members include CI Compass personnel, MF personnel, and colleagues from the greater CI community.

WANT TO GET INVOLVED? CONTACT US:

- For more information about the FAIR TWG, contact us at contact@ci-compass.org
- To learn more about CI Compass visit, https://ci-compass.org/

PROMOTING CONVERSATIONS BETWEEN MAJOR FACILITIES

- Sharing metadata workflows and processes
- Approaches to identifying, releasing, and versioning datasets
- Persistent identifiers and how they are integrated into workflows
- Ways of tracking metadata for provenance and computational steps
- Data lifecycle planning as an explicit element in facility CI planning
- Use of ORCID; instrument identifiers; and DOIs
- Supporting Open Data, providing pathways for onboarding, and cultivating external communities of interest

What problems has your facility encountered?

How can we help?

TECH NOTES AND WEBINARS

CI Compass

TECH NOTES

ci-compass.org

Facilitating Connections: CI Compass FAIR Data Topical Working Group

Author(s): Angela P. Murillo, Don Brower, and Charles F. Vardeman II
Date Published: TBD
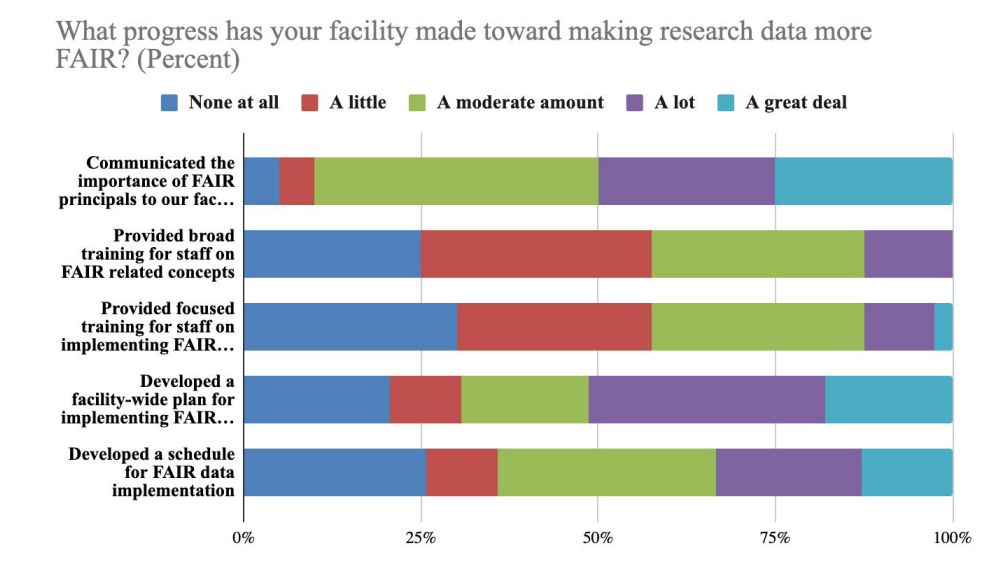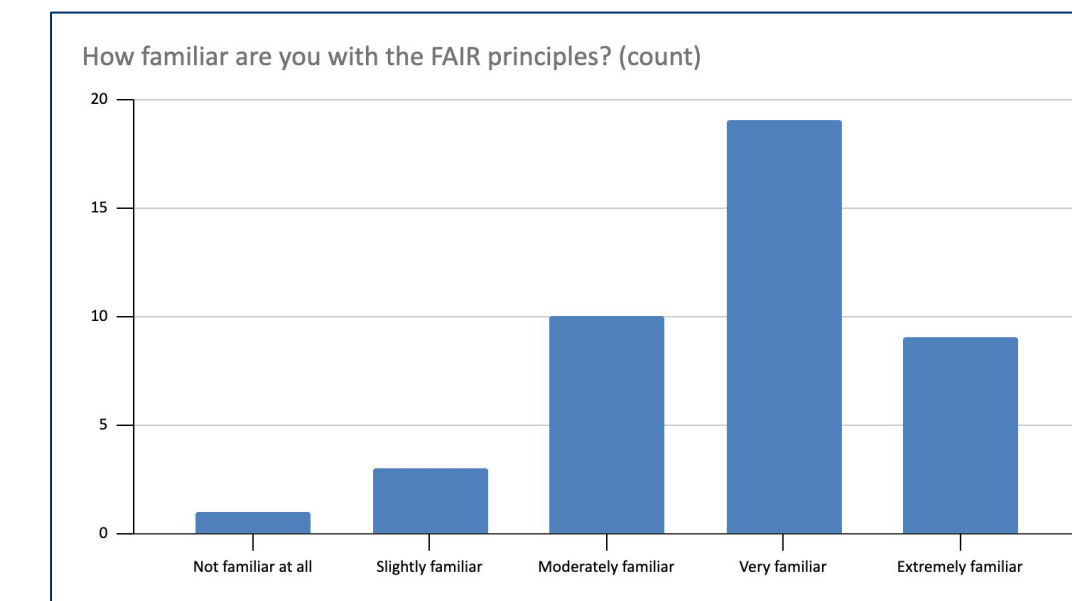DOI: 10.5281/zenodo.10815117

CI Compass

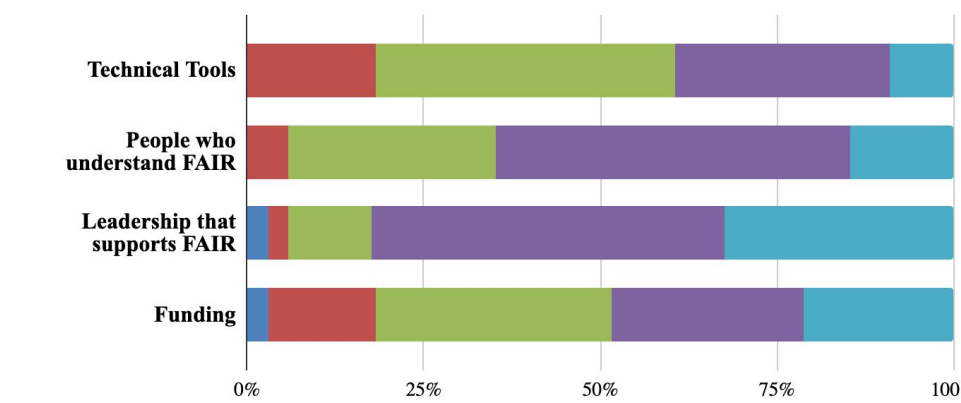### NSF, the Nelson Memo, and Persistent Identifiers

Martin Halbert, Advisor for Public Access, National Science Foundation
Shawna Sadler, Head of Outreach and Partnerships at ORCID
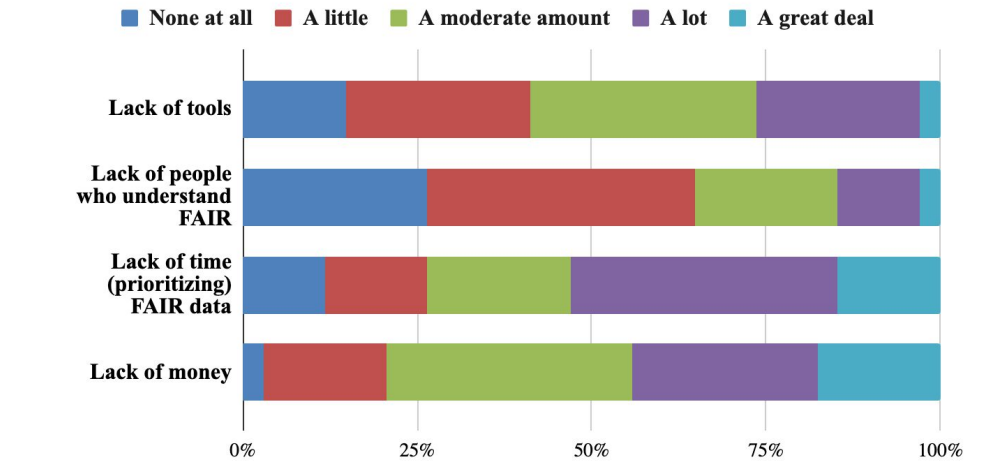
FAIR DATA SURVEY

- 15-question survey given March 2023
- 54 responses to the survey (57% from MFs)
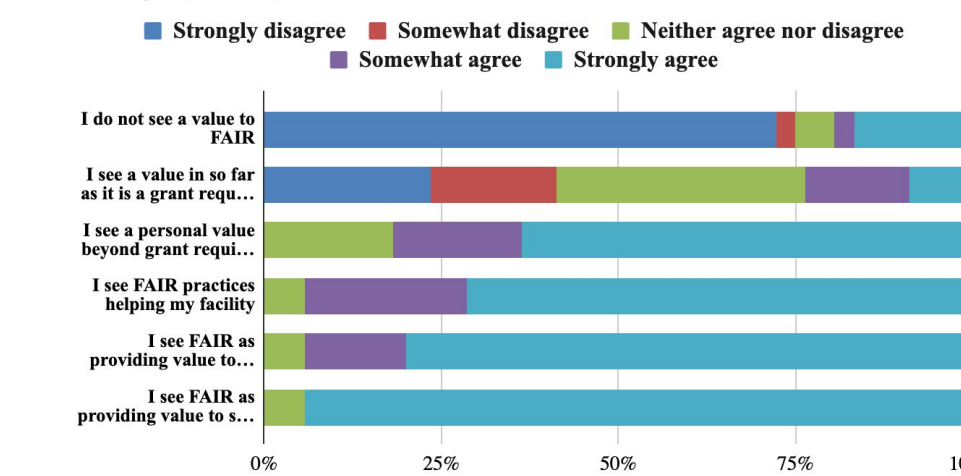- 9 follow up interviews (not included in these results)
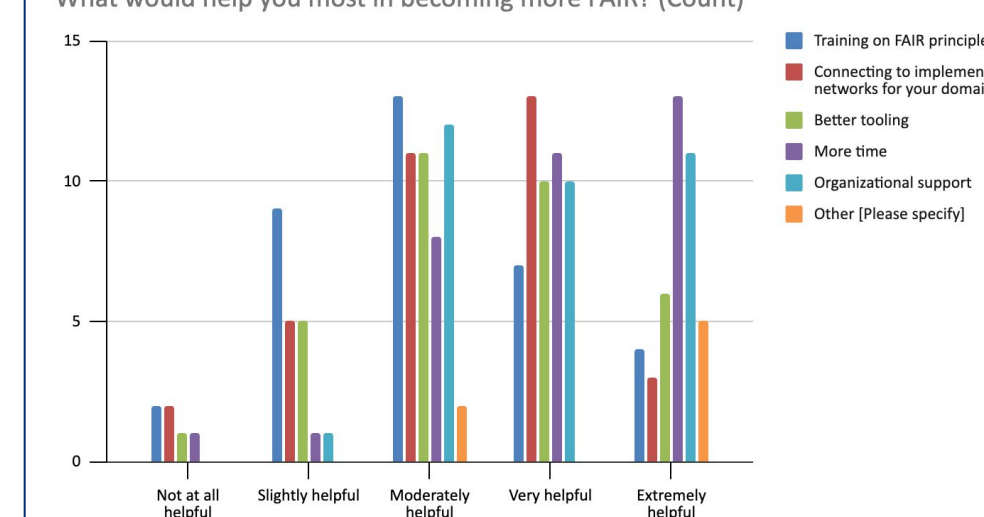
SURVEY FINDINGS

- Most participants see intrinsic value in FAIR
- Facilities have done internal communications on FAIR in general
- They haven't done many detailed, focused trainings
- Biggest issues hindering FAIR adoption were lack of time and money
- Biggest enablers were having supportive leadership, and having people who understand FAIR
- Organizational support and more time would help to implement FAIR objectives
- Tooling was identified as something that would help in the future