

FAIR Facilities and Instruments:

Enabling transparency,
reproducibility, and equity
through persistent
identifiers

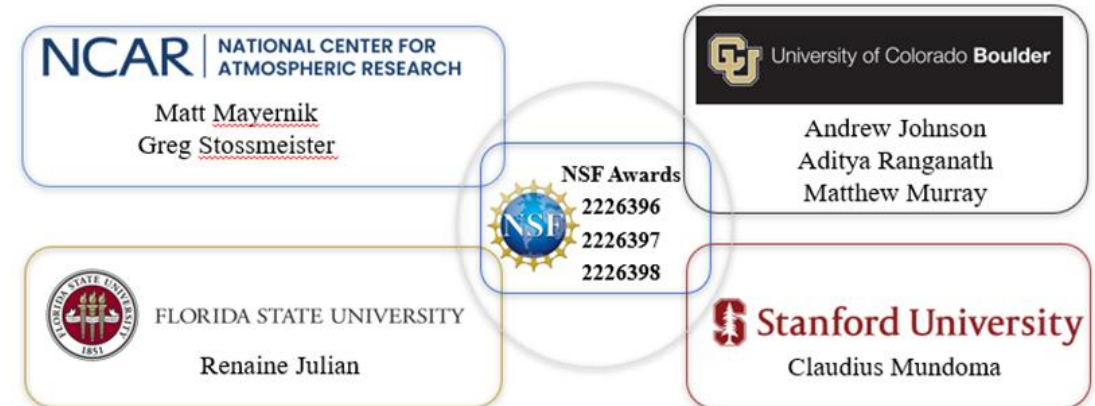
NSF FAIR Open Science (FAIROS)

Research Coordination Network (RCN)

NSF Awards #2226396, 2226397, 222639

Presented by Claudius Mundoma, ABRF 2025 National Meeting

Organizations & Personnel



Key Questions

FAIR PRINCIPLES



Findable (F)

How do we enable people to find relevant facilities or instruments?



Accessibility (A)

How do we enable facilities and instruments to be accessible by wider audiences?



Interoperability (I)

How do we consistently capture relationships between persistent identifiers?

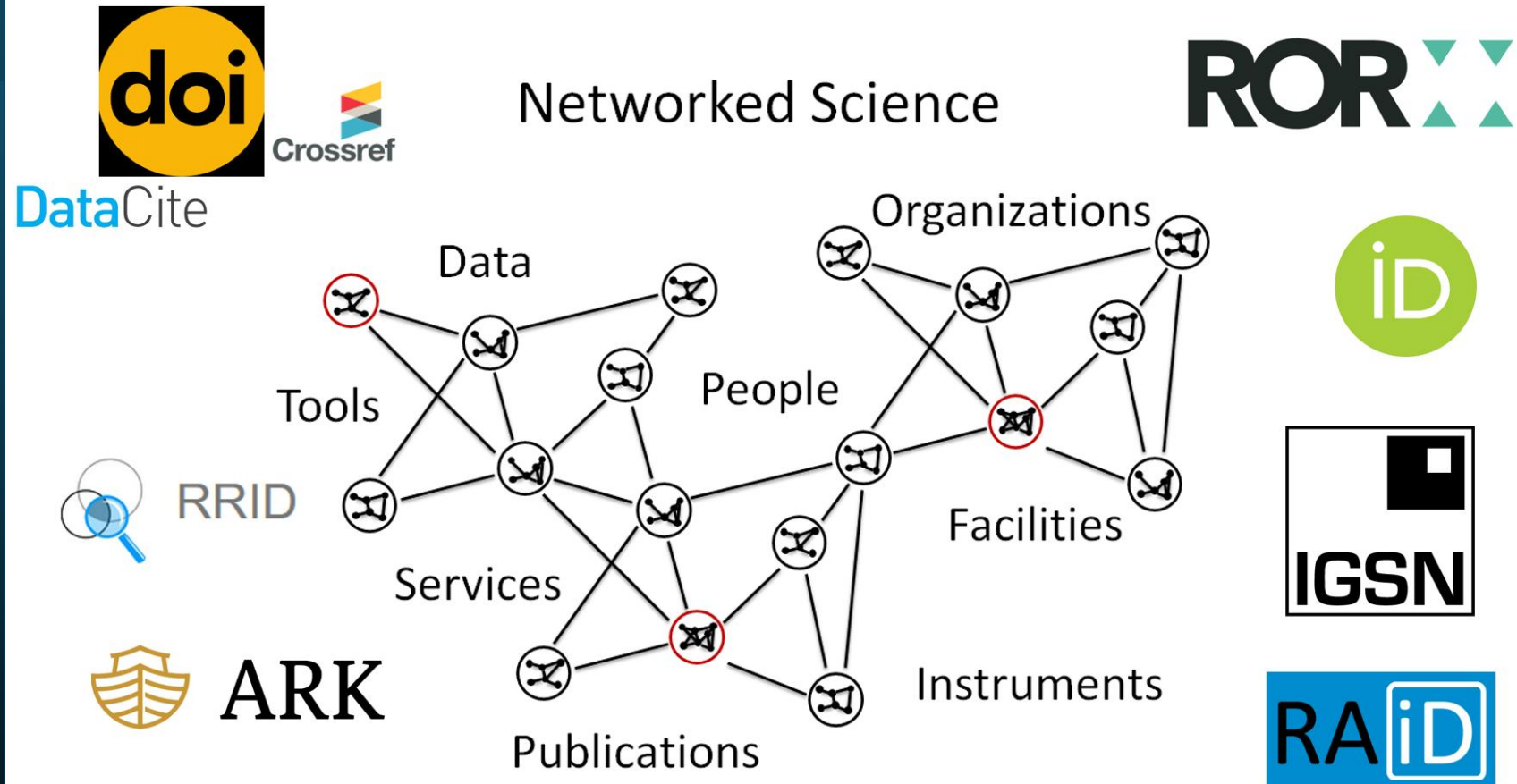


Reusability (R)

How can we incorporate information about facilities and instruments into data set provenance metadata more consistently?

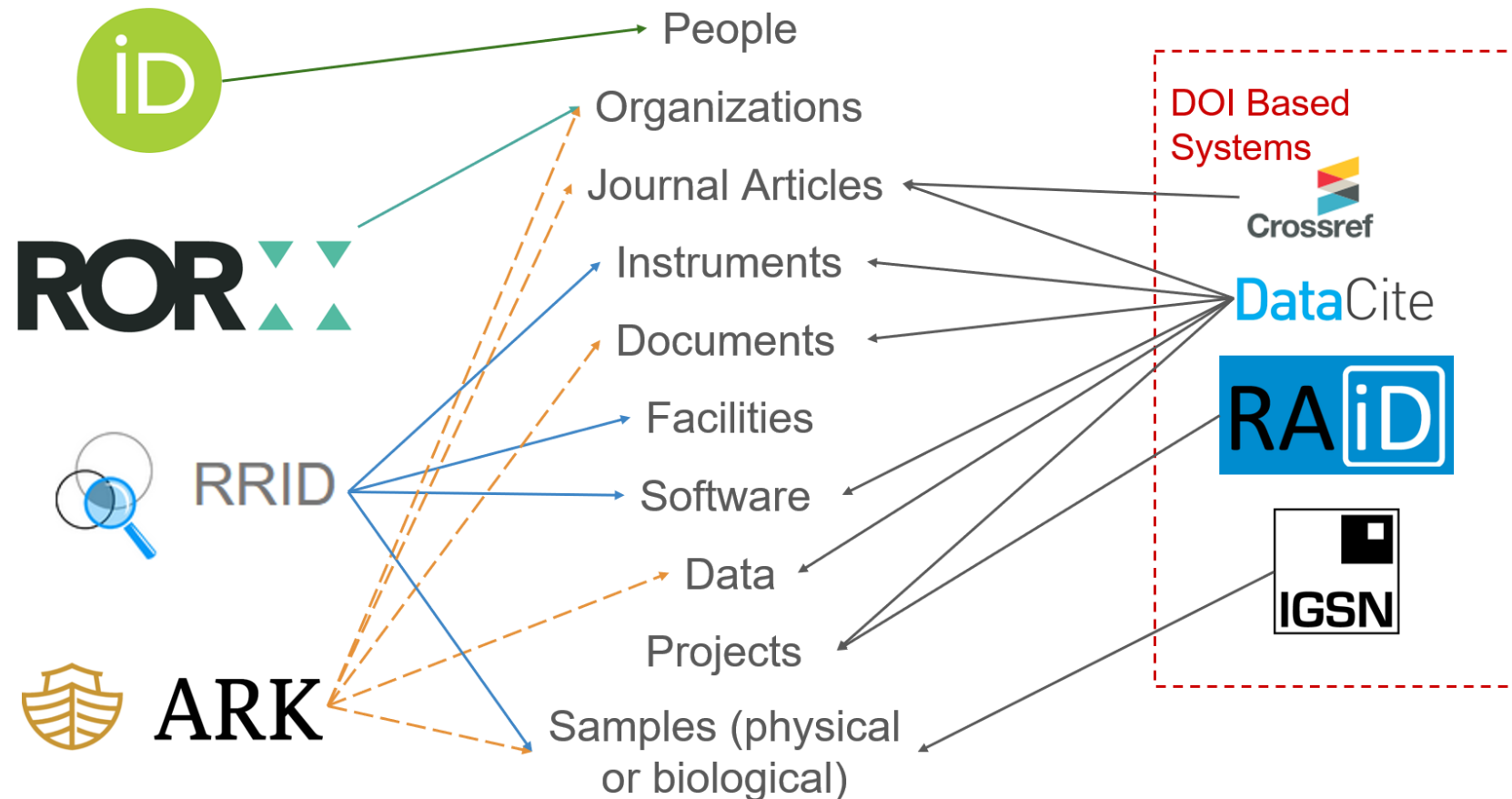
AT START: Less consistent Application of PIDs

Persistent IDs: Use cases



PROGRESS: More consistent Application of PIDs

Persistent IDs: Use cases



CORE FACILITIES REPORT

CORE FACILITY ▾

PARENT ORGANIZATION ▾

SOURCE OF DA...(1) ▾

YEAR ▾

JOURNAL ▾

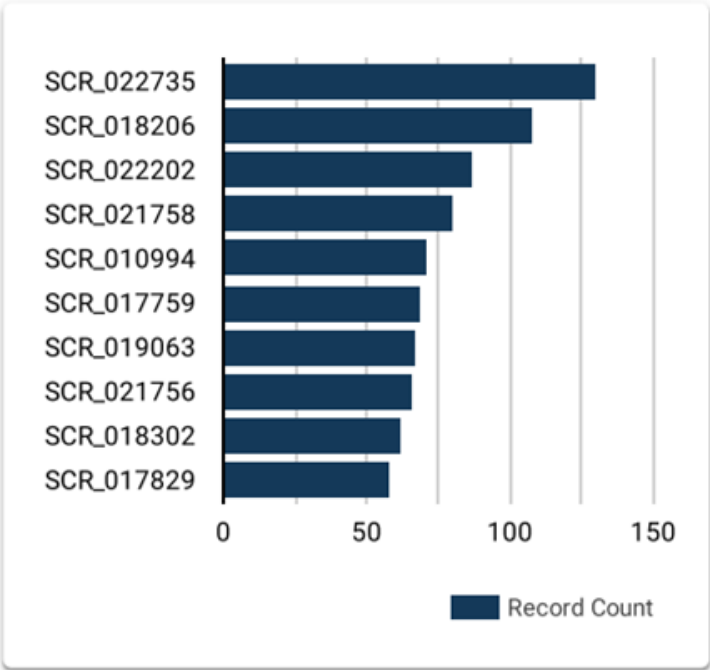
SNIPPET/GRANT NUMBER ▾

CORE FACILITY
552

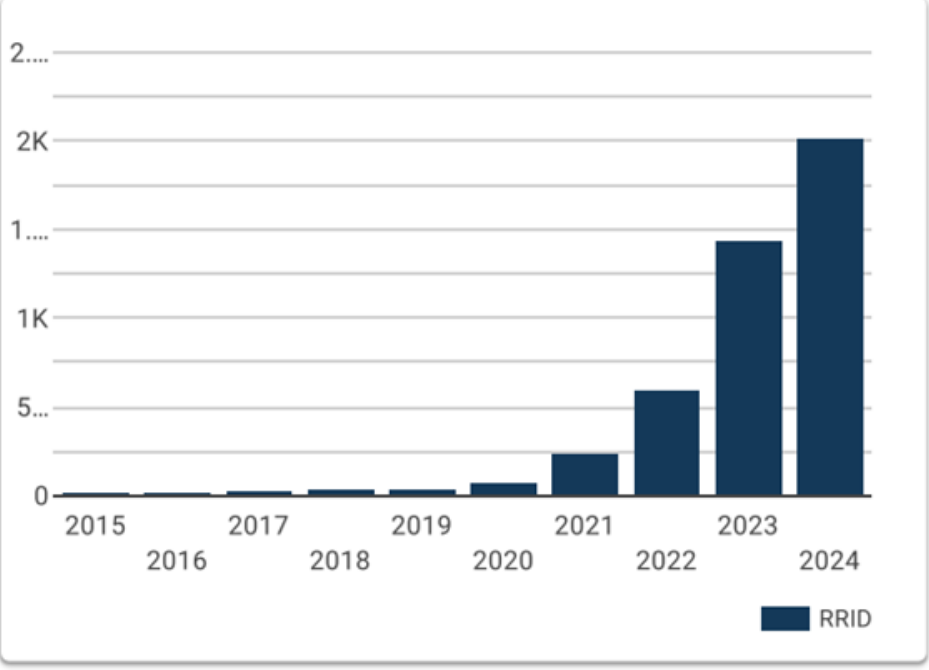
PMID
3,816

JOURNAL
815

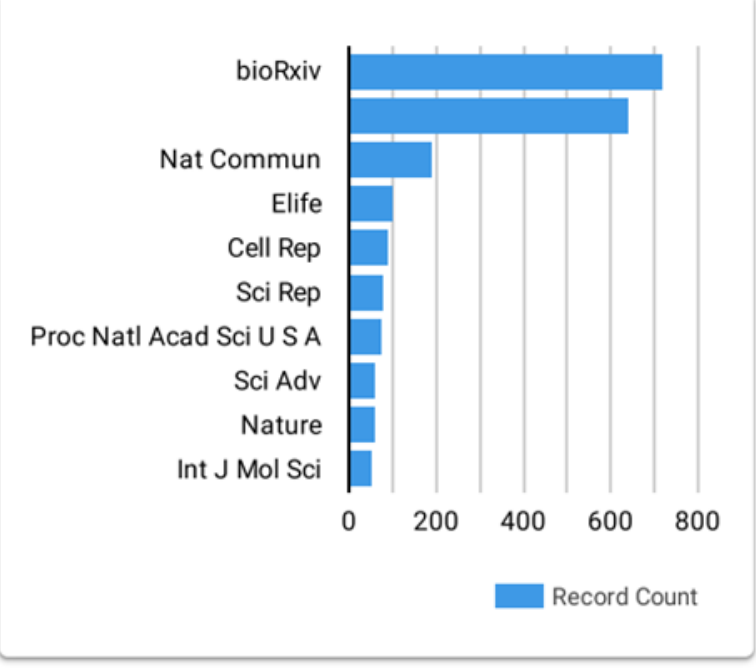
CORE FACILITIES



NUMBER OF PUBLICATIONS FOUND BY GRANT OR RRID



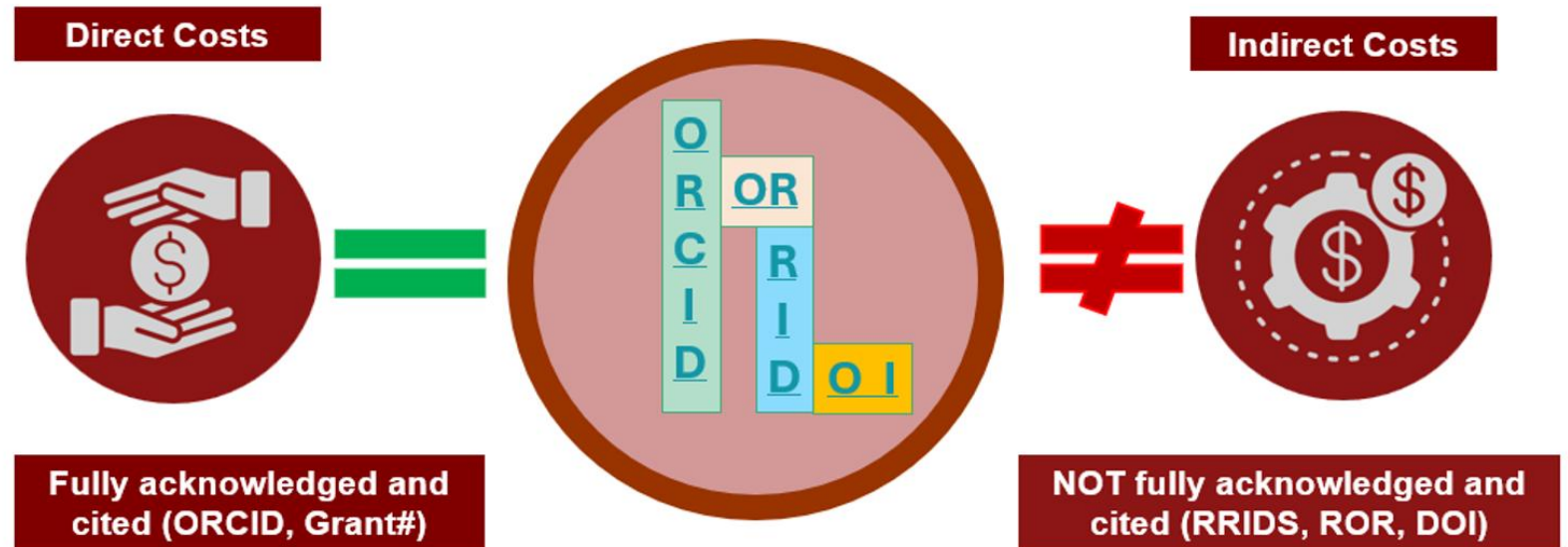
JOURNALS



WHY?: This is way bigger than Rigor & Reproducibility: Its Securing Funding

Persistent
IDs: Call to
ACTION

Direct and Indirect Cost – Acknowledge them BOTH
There is a Persistent Identifier for That!



THANK
YOU!



Advisory Board
Representation



UNIVERSITY OF VERMONT
Vermont Genetics Network