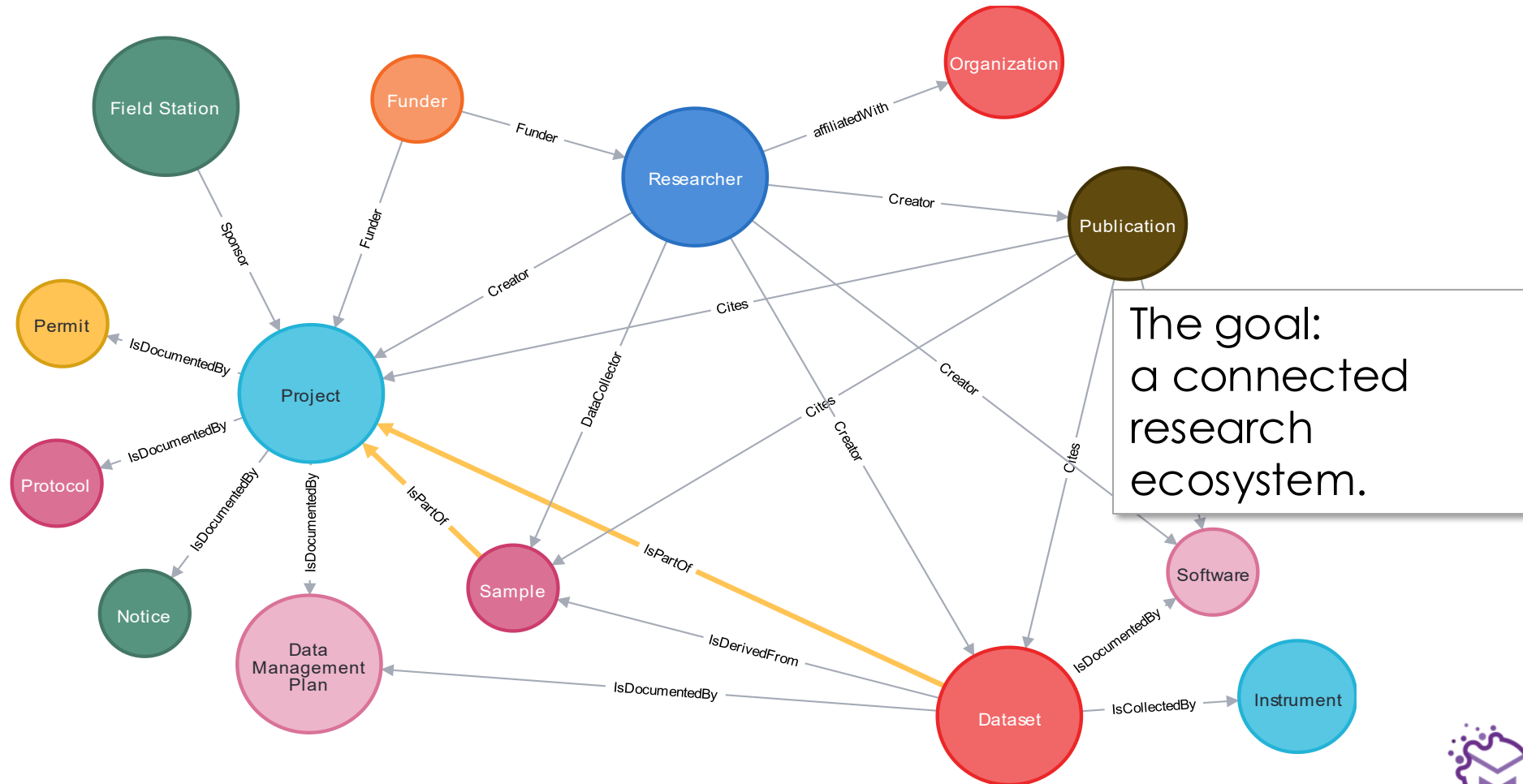
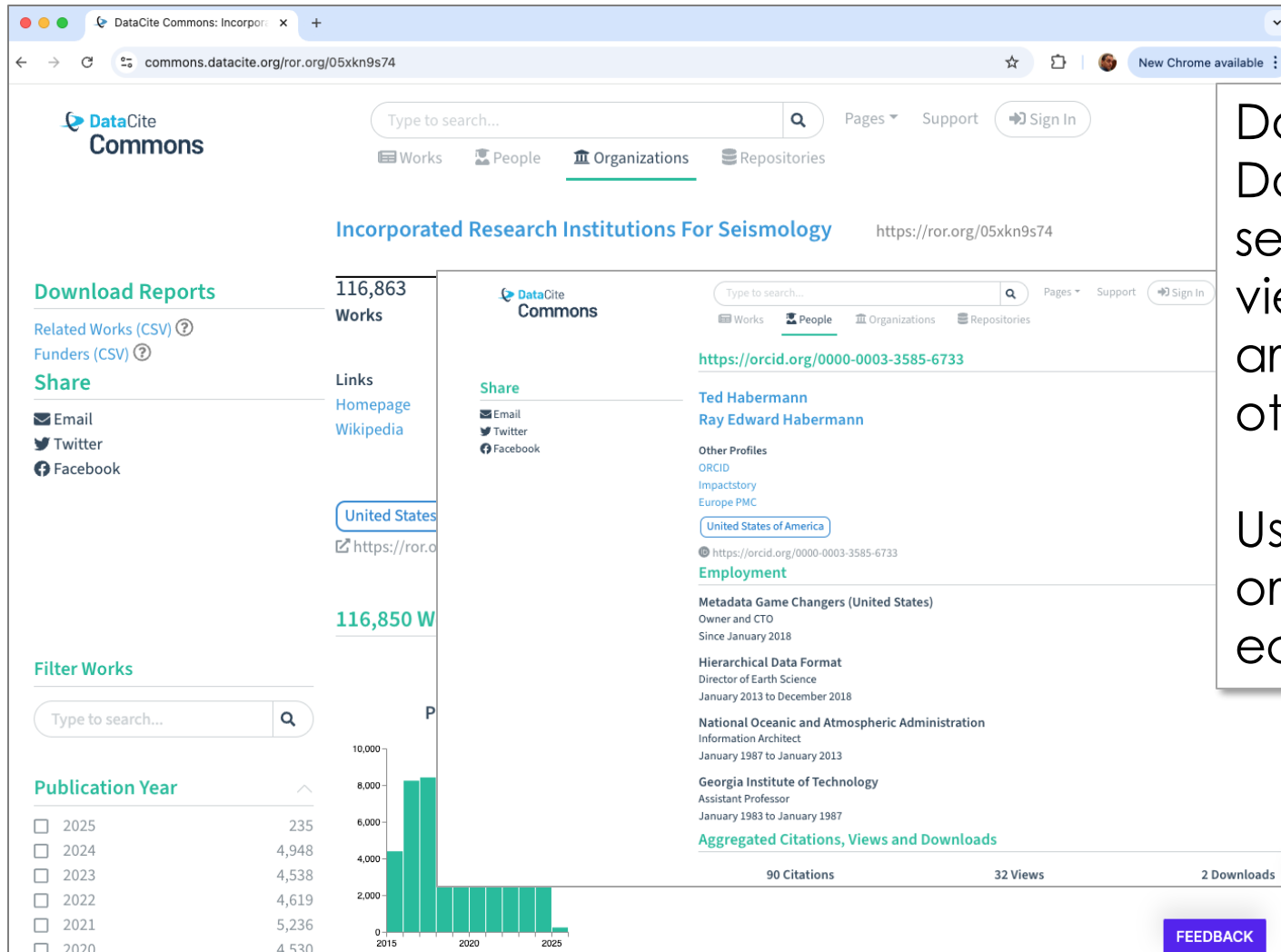


Identifying NSF Facilities

Ted Habermann and Erin Robinson, Metadata Game Changers



DataCite Commons Connections



DataCite Commons builds on DataCite, Crossref, ORCID, ROR, and several other sources to provide a view into connected datasets, journal articles, people, organizations, and other research objects.

Use Commons to see how you or your organization look through the global ecosystem lens.

<https://commons.datacite.org/>

ted@metadatagamechangers.com
erin@metadatagamechangers.com

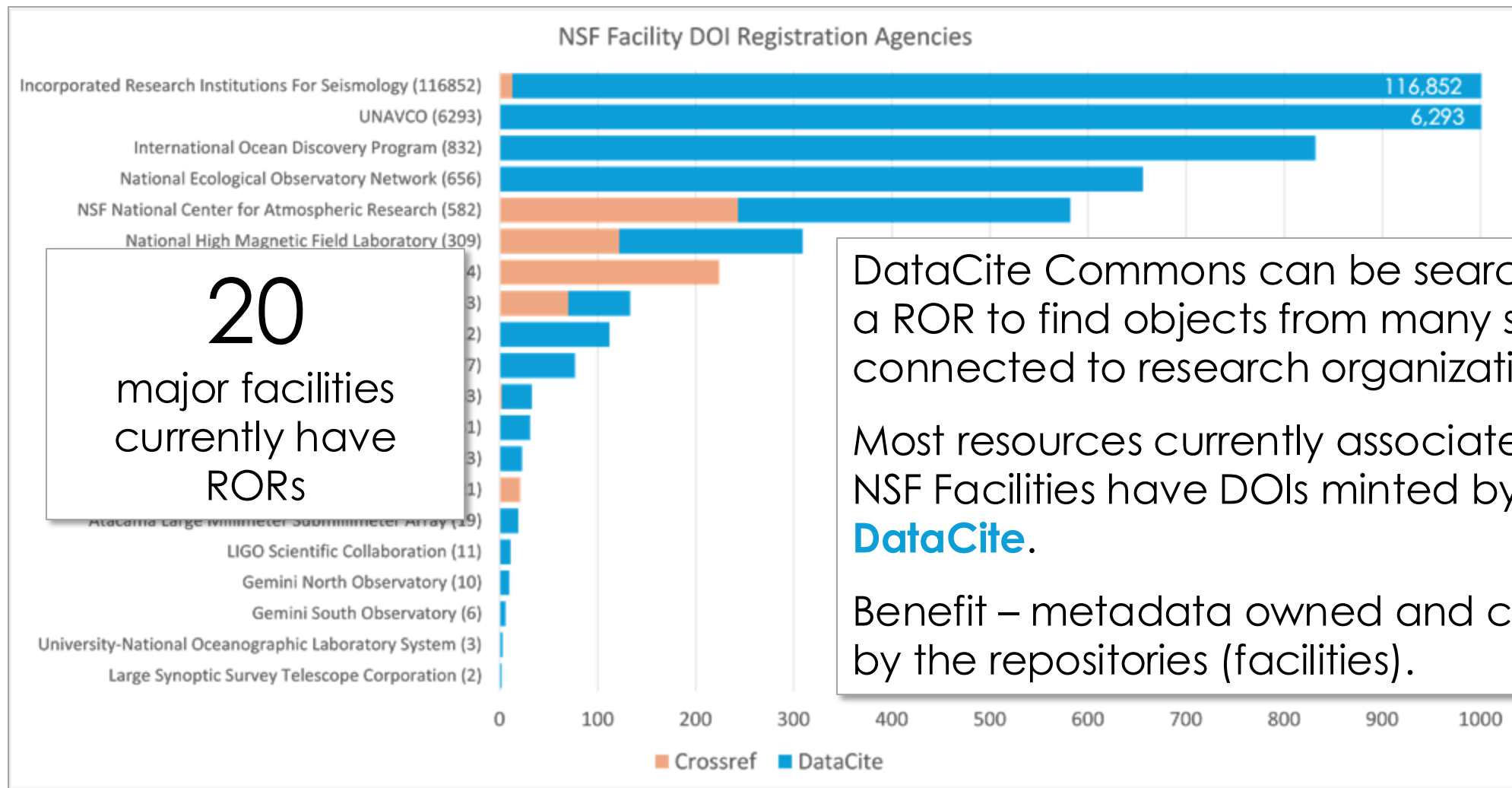
<https://orcid.org/0000-0003-3585-6733>
<https://orcid.org/0000-0001-9998-0114>

@TedHabermann
@connector_erin



METADATA
GAME CHANGERS

Existing DOIs: Where?



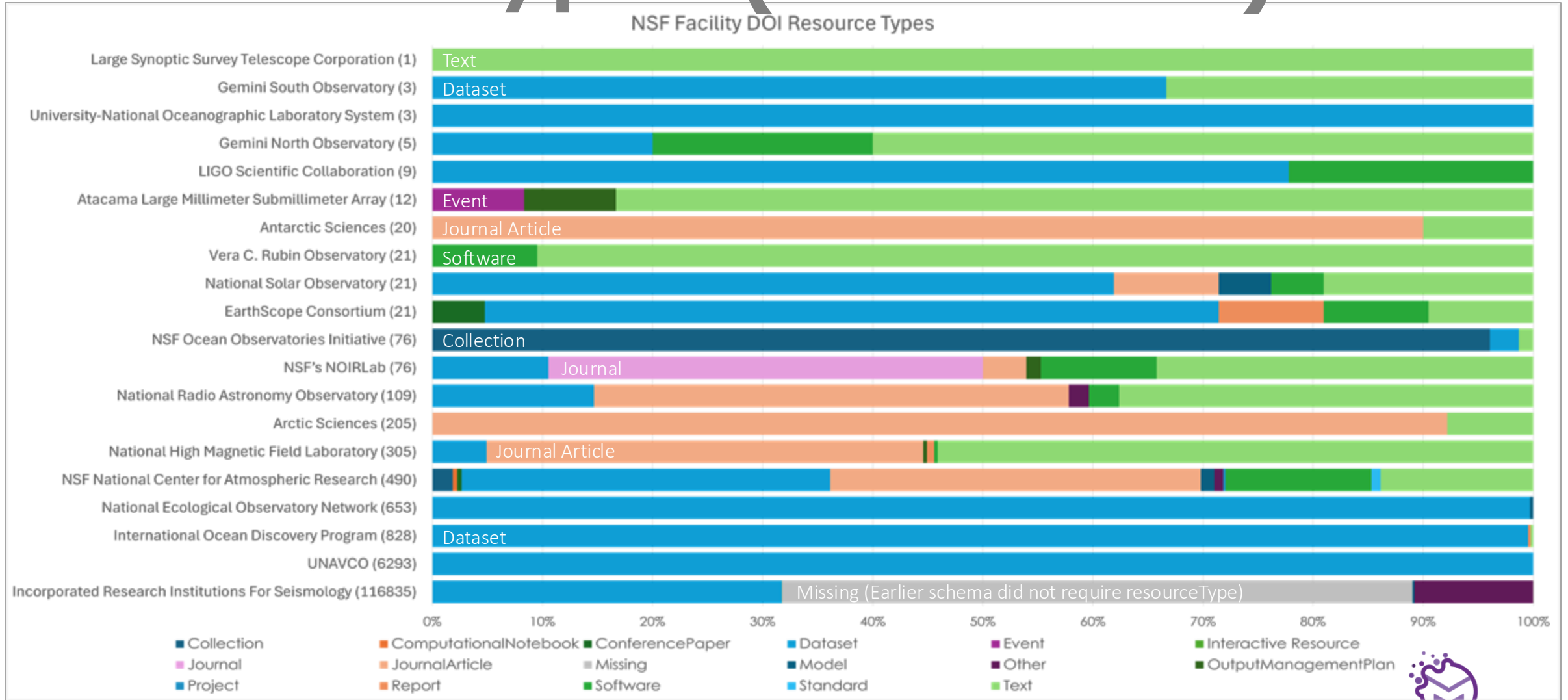
DataCite Commons can be searched with a ROR to find objects from many sources connected to research organizations.

Most resources currently associated with NSF Facilities have DOIs minted by **DataCite**.

Benefit – metadata owned and controlled by the repositories (facilities).



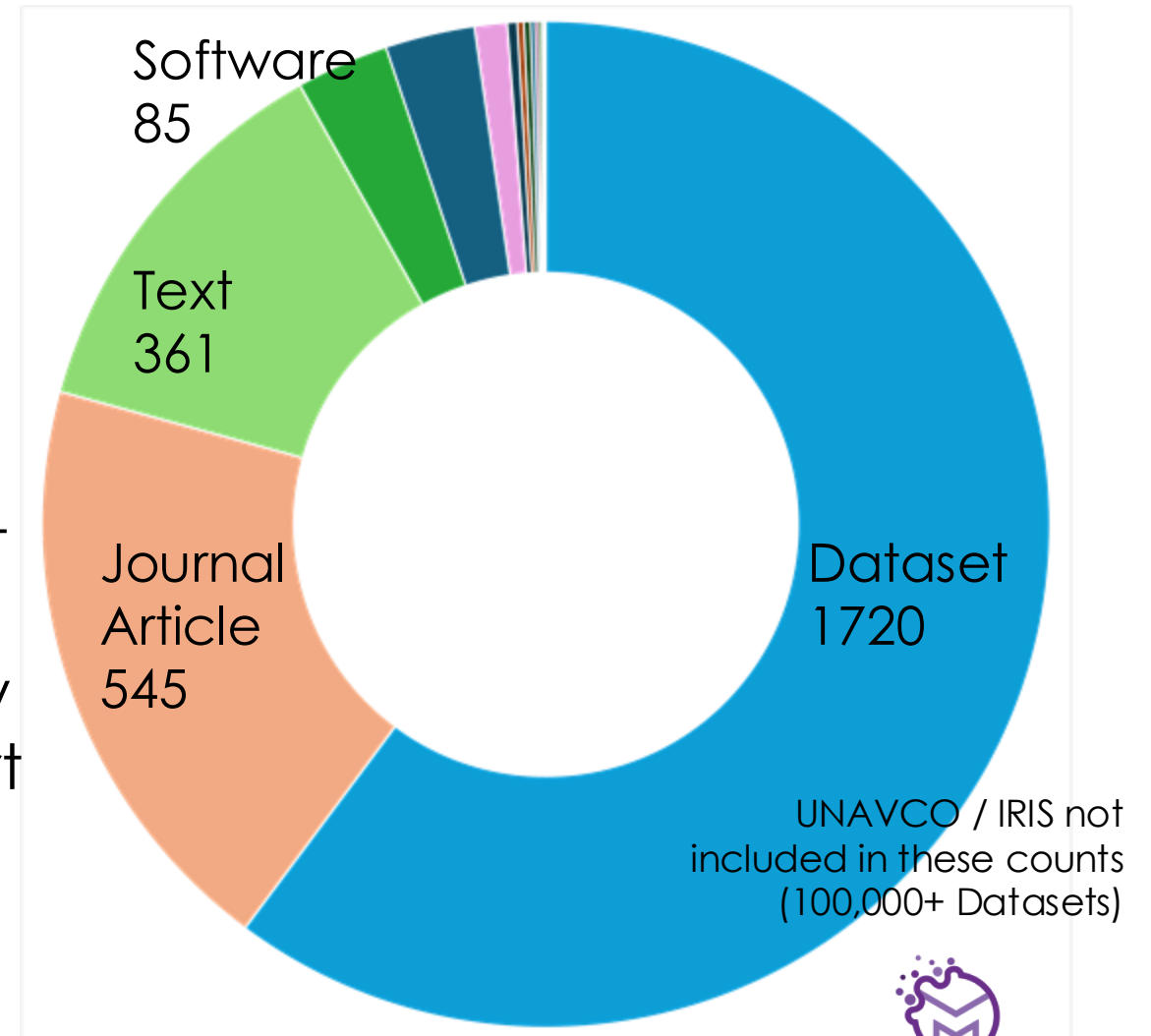
Resource Types (Commons)



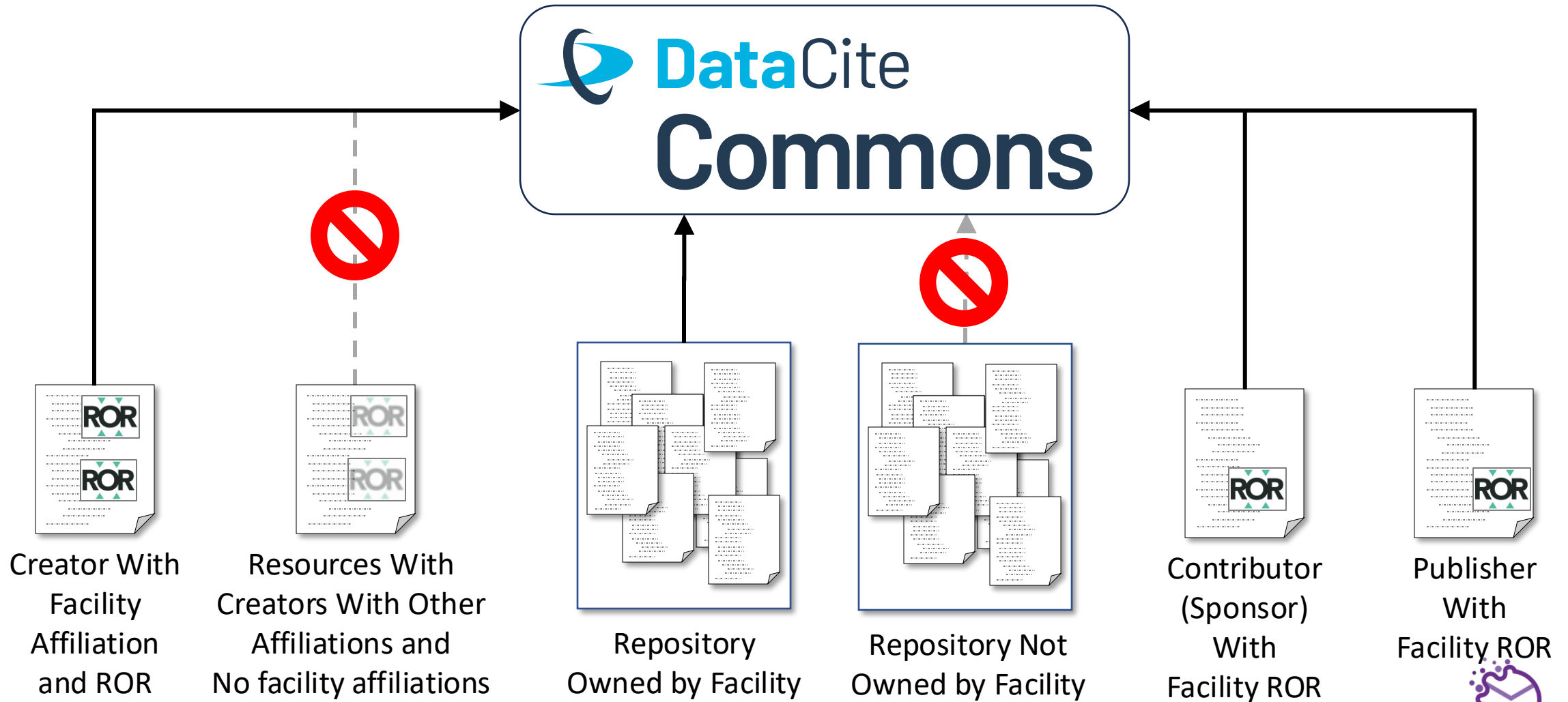
DataCite Commons Types

Dataset Journal Article Text Software

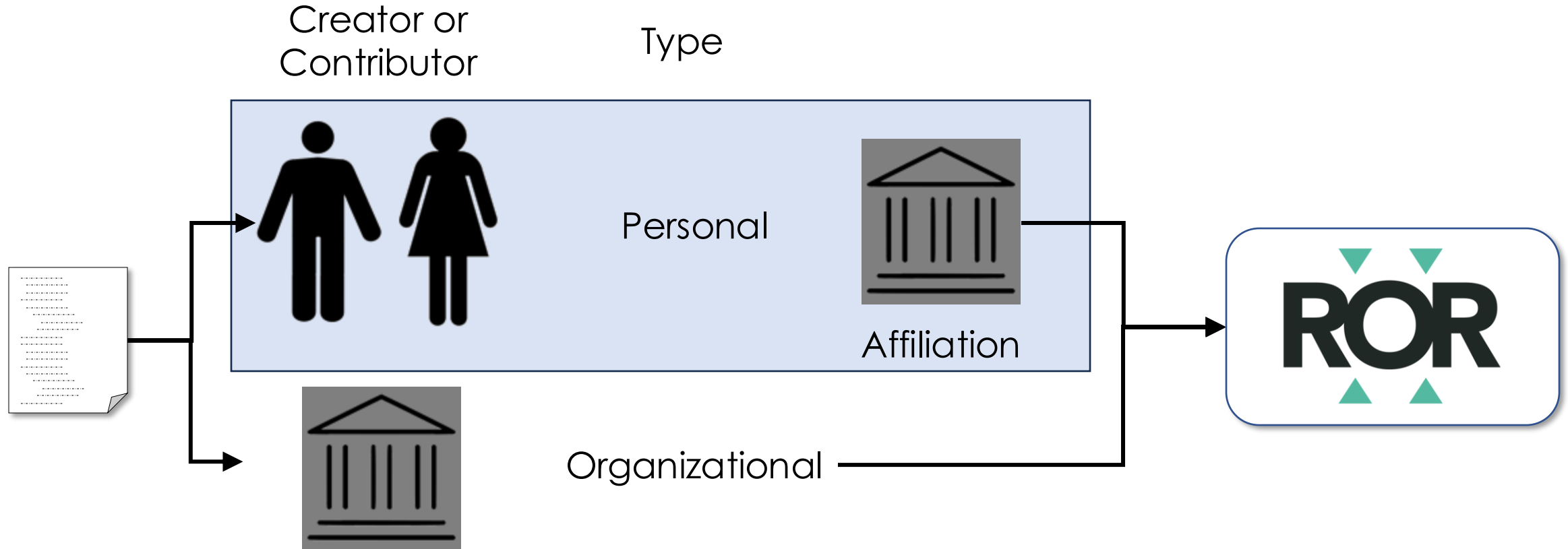
Audiovisual Book BookChapter
Collection Computational Notebook
Conference Paper
Conference Proceeding Data Paper
Dissertation Event Image Instrument
Interactive Resource Journal Model
Output Management Plan Peer Review
Physical Object Preprint Project Report
Service Sound Standard
Study Registration Workflow Other



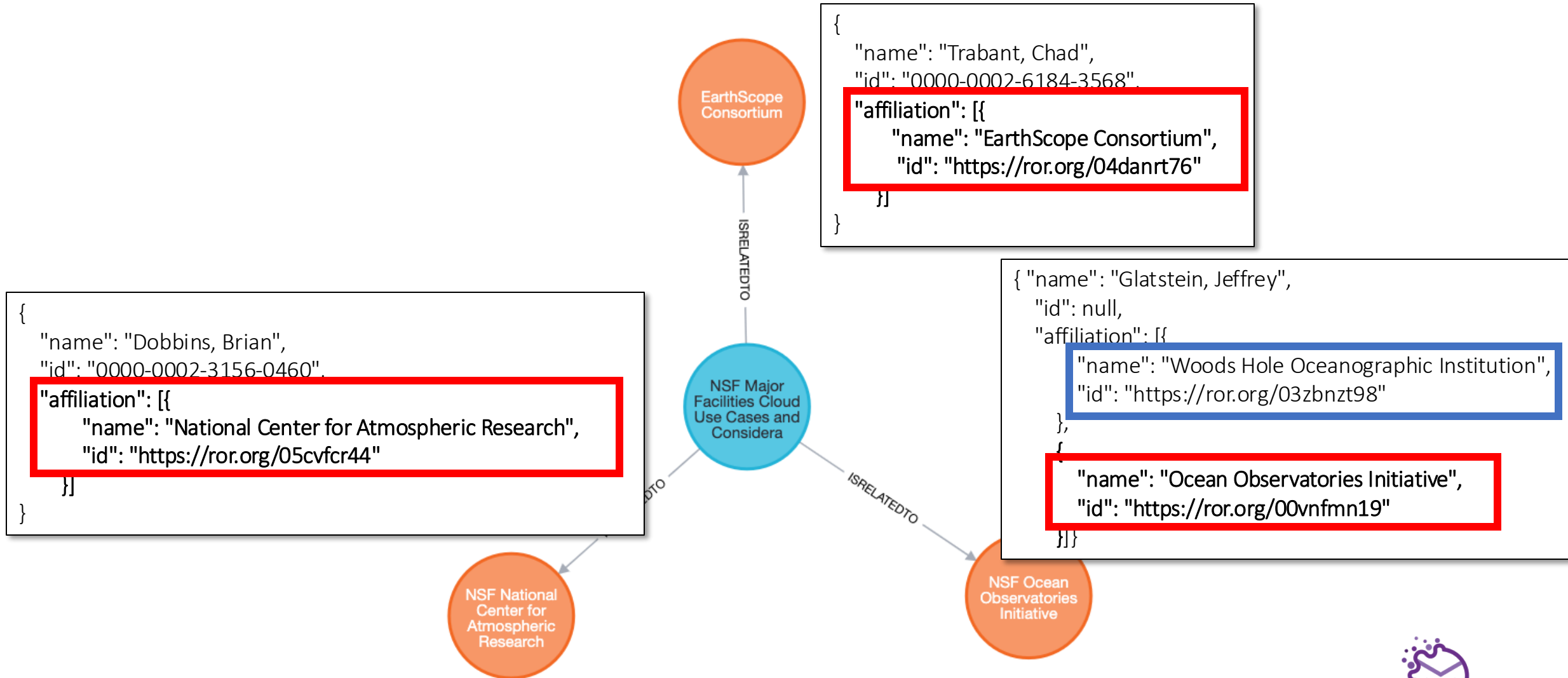
Getting Connected: 4 Ways



RORs and DataCite Affiliations



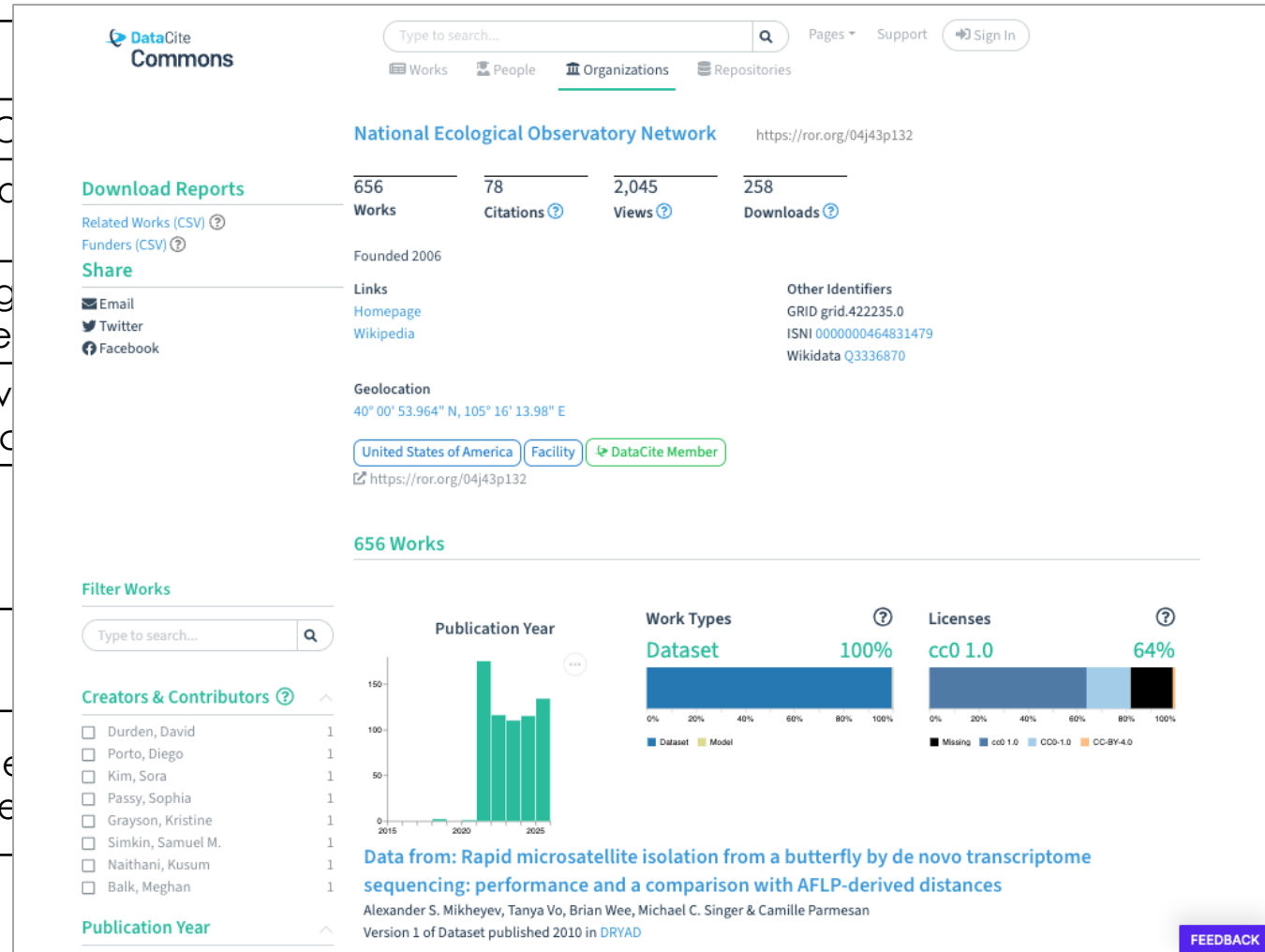
Creators With Affiliations



Facility DataCite Repositories

~10+
Years

Facility
National Solar O
Ocean Observa
Data
National Ecolog
Observatory Ne
Texas A&M Univ
International Oc
UCAR/NCAR
UNAVCO
Incorporated Re
Institutions for Se



software (38),
Model (2),
Other (1)

), Model (186),
software (5), Collection



DataCite – Many Contributor Types

ContactPerson DataCollector DataCurator

Sponsor DataManager **HostingInstitution**

Other Distributor Editor Project

Leader Project Manager

Member Registration

onAuthority Related

Group RightsHolder Researcher

Supervisor WorkPackageLeader

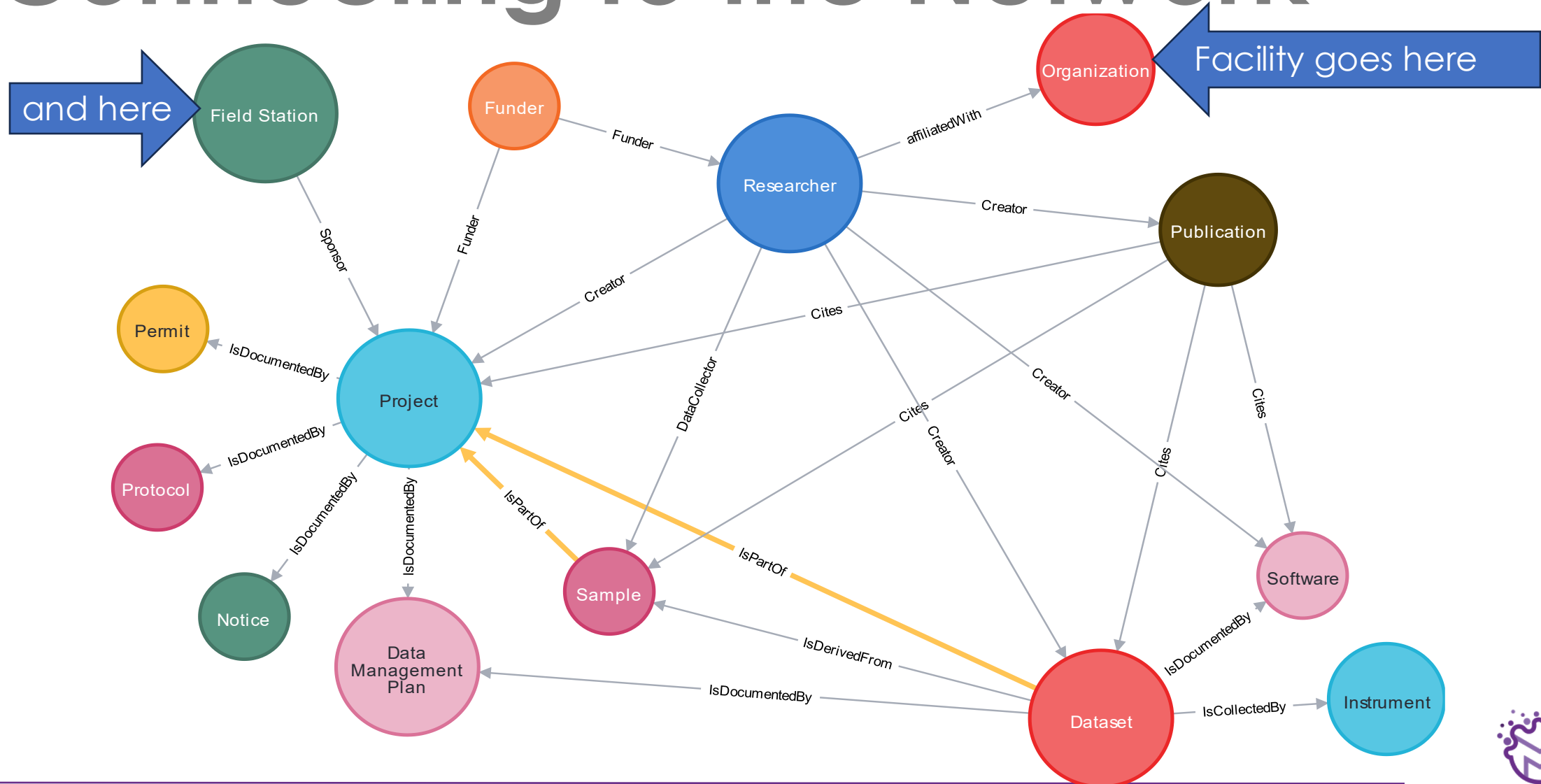
Usage Notes: Includes organisations that provide in-kind support, through donation, provision of people or a facility or instrumentation necessary for the development of the resource, etc.

Usage Notes: This role normally falls on the University, research center or organization where the data center/data repository belongs.

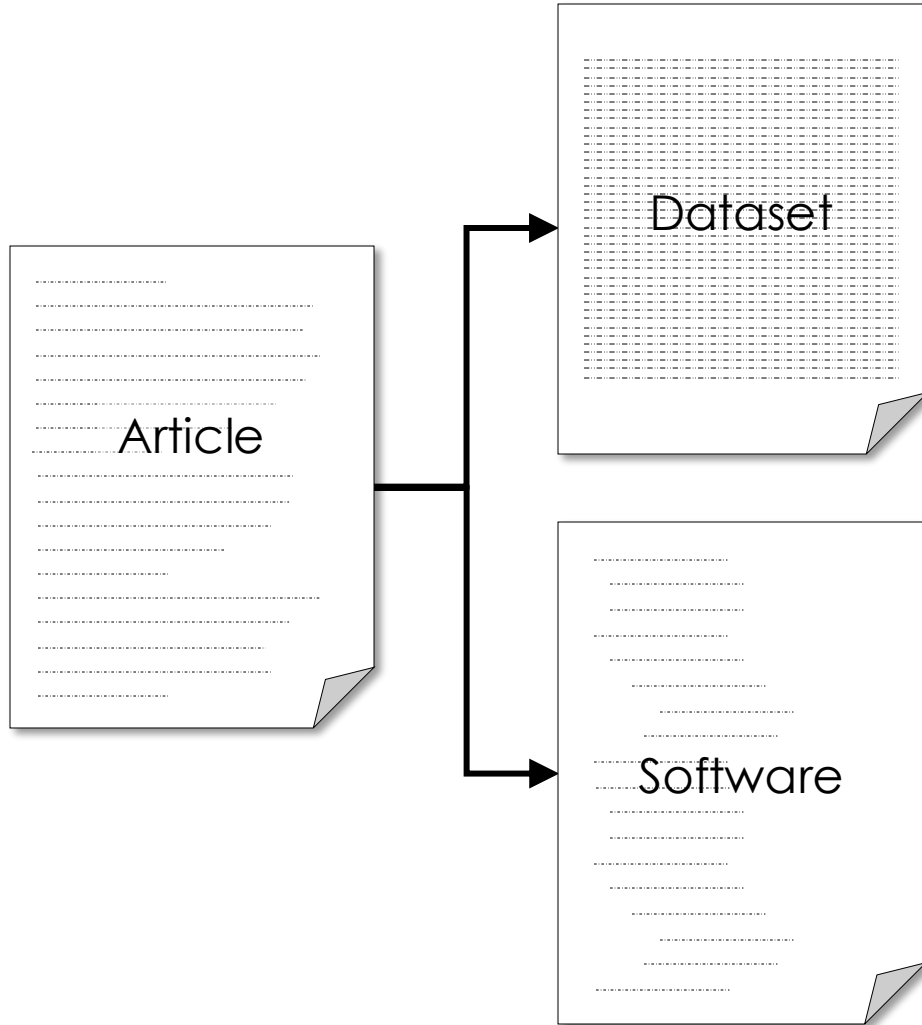
publishers are a special kind of contributor (they appear in the citation) that can also have identifiers (since V4.5 of schema)



Connecting to the Network



Connecting to Articles



[American Geophysical Union \(Wiley\) Guidance](#)

Data Citation Examples:

•Gries, C., Downs, R. R., O'Brien, M., Parr, C., Duerr, R., Koskela, R., et al. (2019). Return on Investment Metrics for Data Repositories in Earth and Environmental Sciences **[Dataset]**. Environmental Data Initiative. <https://doi.org/10.6073/PASTA/D49BEC63F51603512EFA7E0FD2717203>

Software Citation Examples:

•Lab for Exosphere and Near Space Environment Studies. (2019, March 20). lenses-lab/LYAO_RT-2018JA026426: Original Release (Version 1.0.0) **[Software]**. Zenodo. <http://doi.org/10.5281/zenodo.2598836>





Questions?

Work with us on:

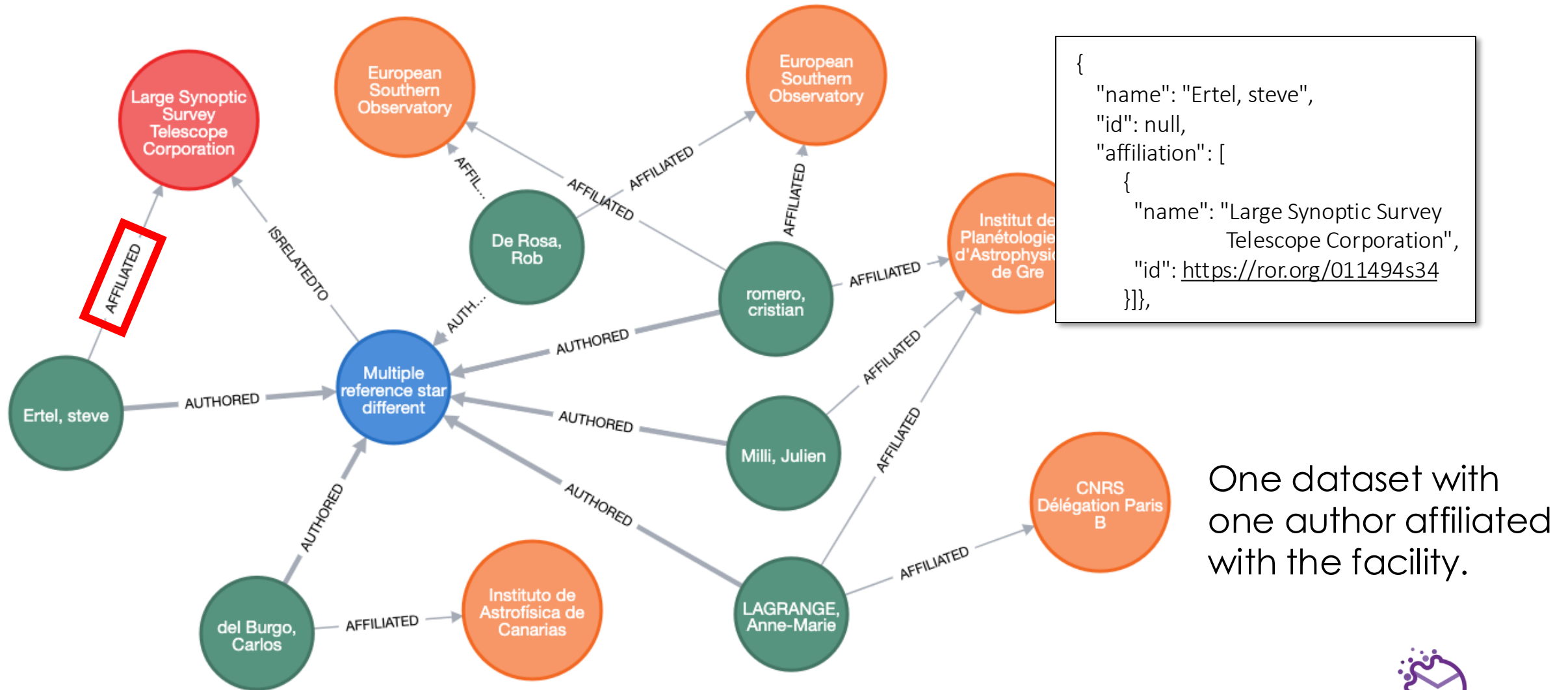
- Repository Re-Curation
- Repository and Journal Connectivity
- Metadata evaluation and improvement (FAIR metadata)
- Community building strategy
- International Metadata Standards (ISO, DataCite, schema.org)
- Workshop design and facilitation
- Community conventions / profiles
- Leadership coaching

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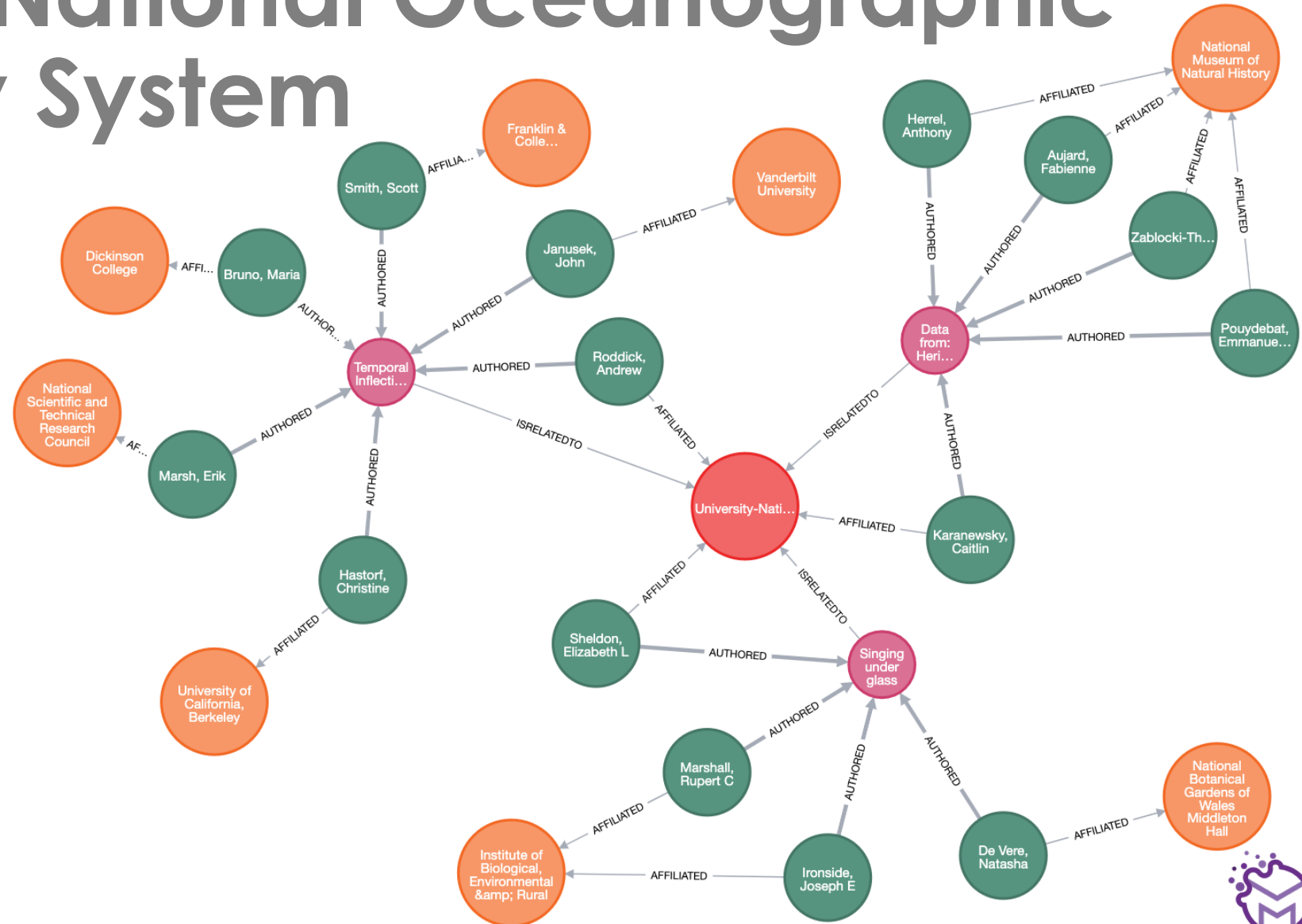
Connection Pictures

Large Synoptic Survey Telescope Corp.



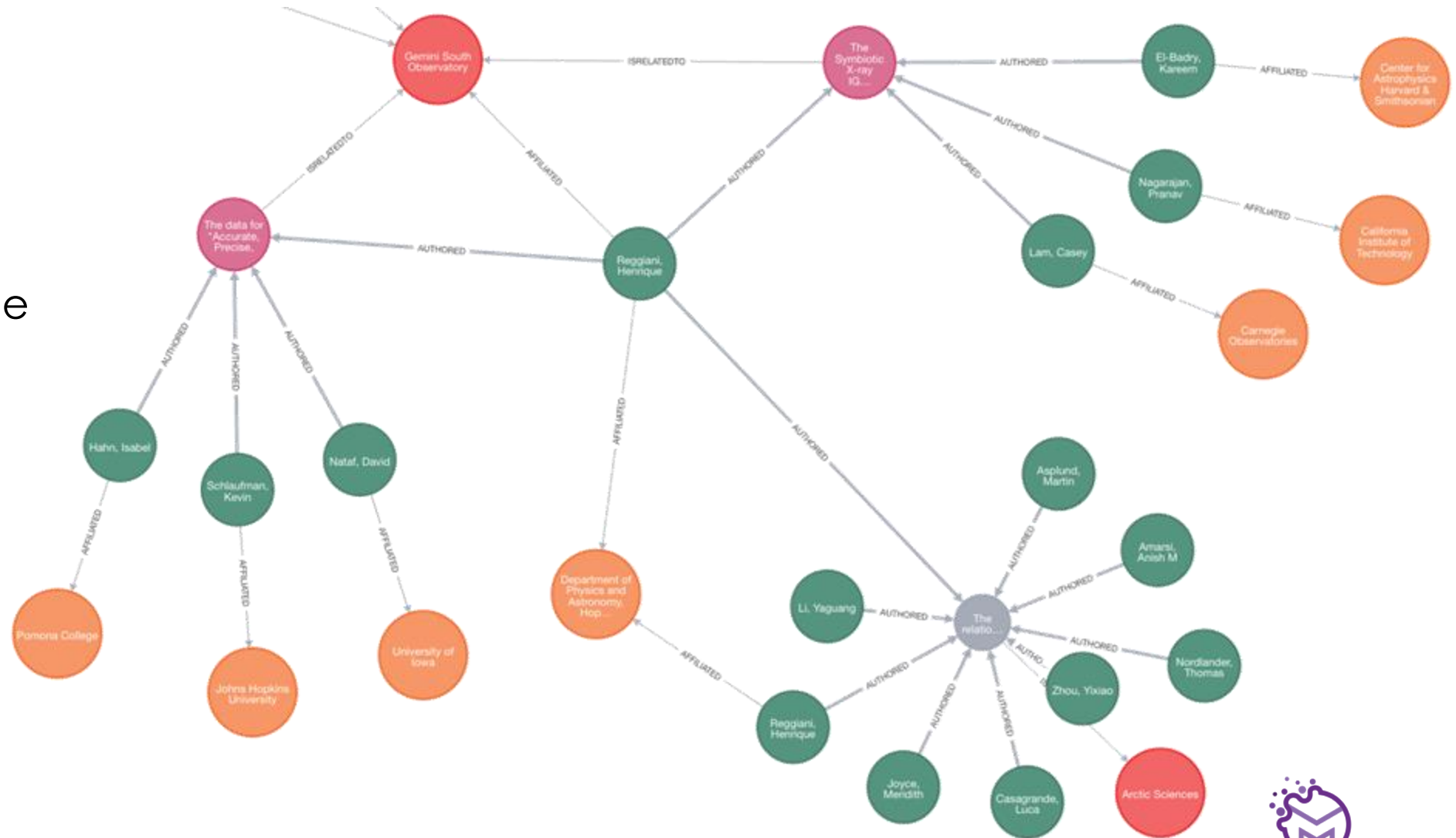
University-National Oceanographic Laboratory System

Three datasets, all in Dryad, each with a single affiliation to the facility.

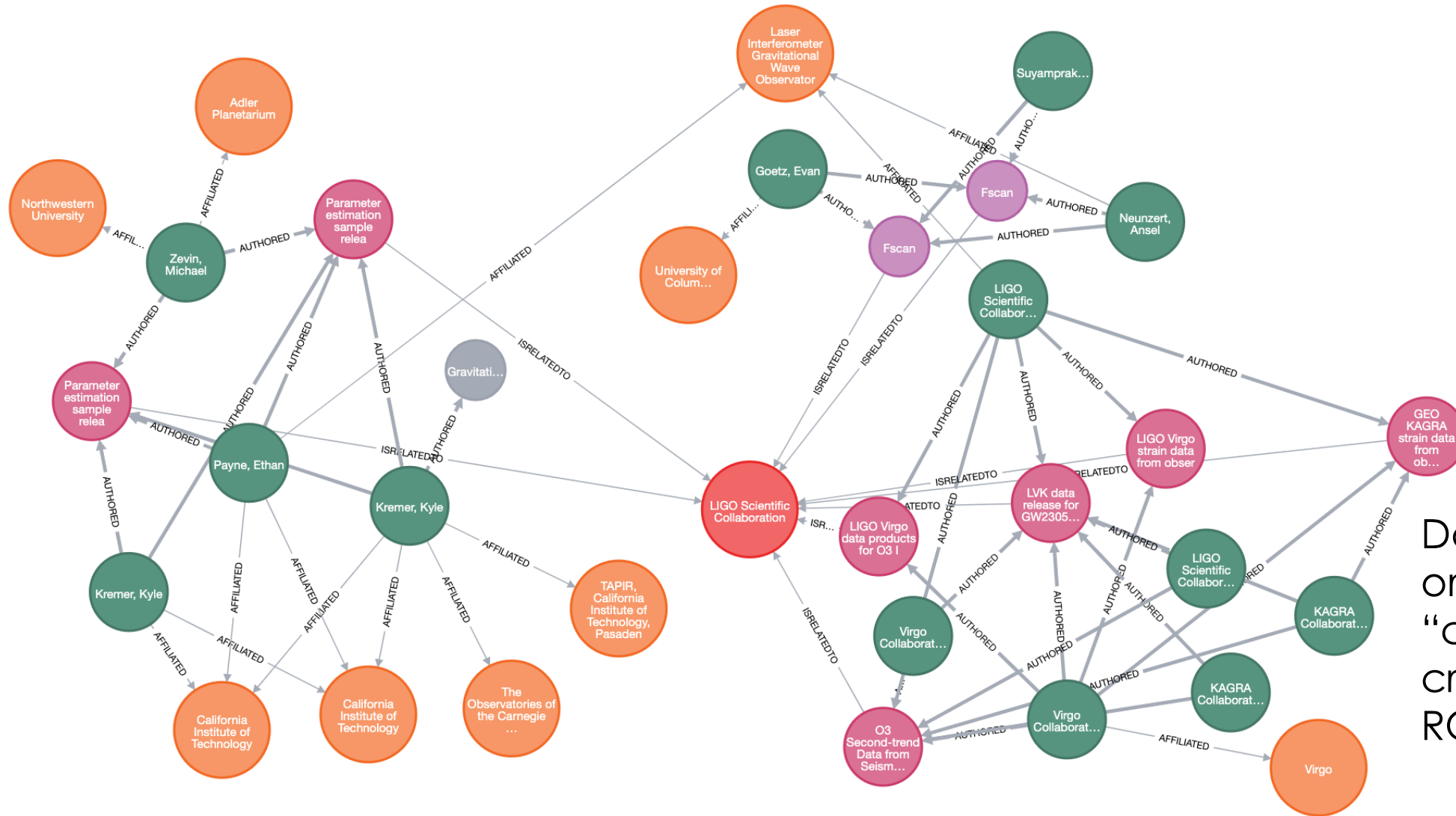


Gemini South Observatory

Two datasets and one journal article, all connected to the facility by one author.



LIGO Scientific Collaboration



Datasets with organizations, mostly “collaborations”, as creators, many with RORs.



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