

Connecting PIDs (9/25)

Ted Habermann, Metadata Game Changers

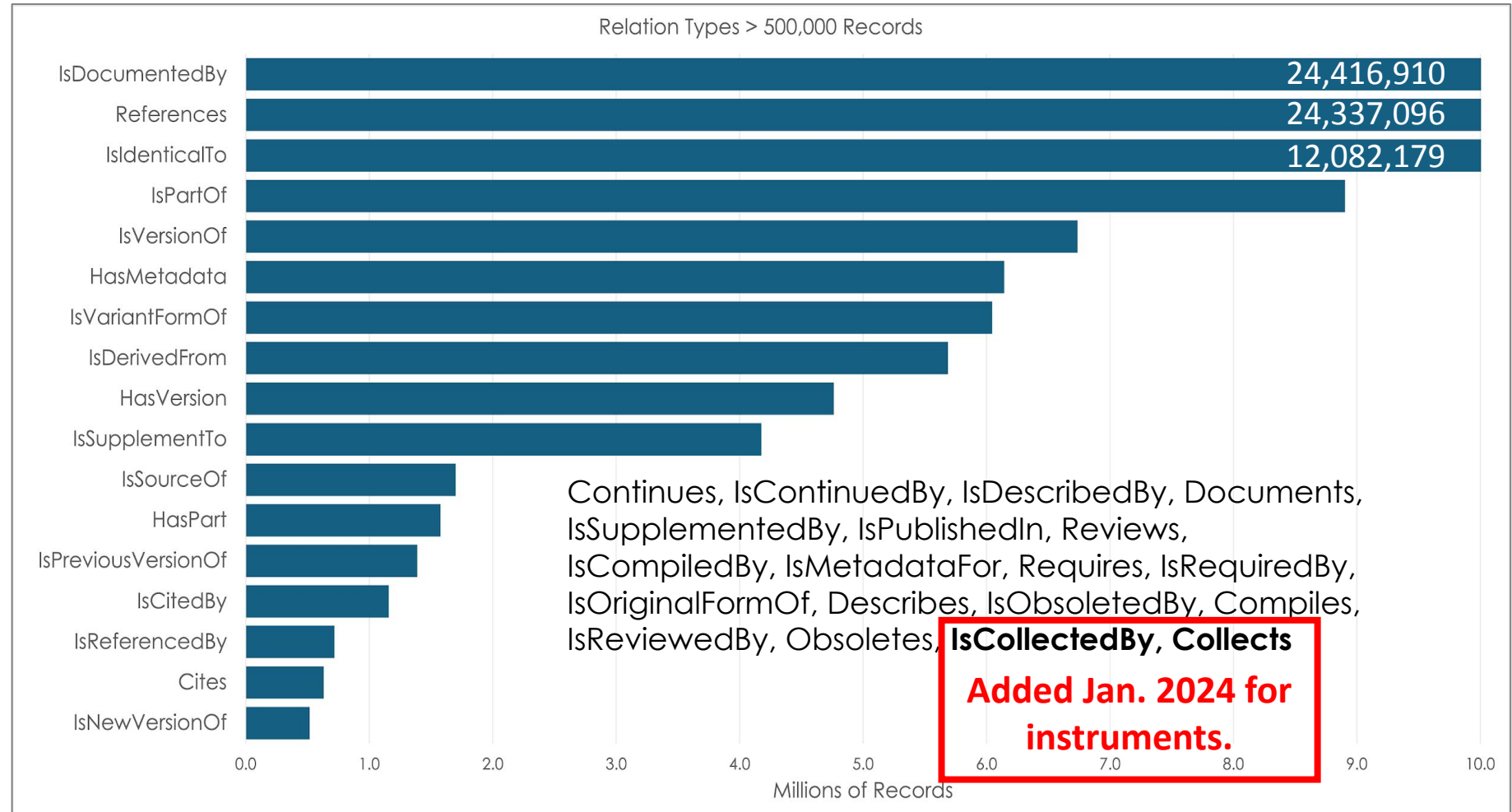


A DOI provider and identifier metadata repository encompassing ~3000+ members.

DataCite includes over 95,000,000 resources with 28 different types and 36 relation types.

<https://datacite.org/>

ted@metadatagamechangers.com
erin@metadatagamechangers.com



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

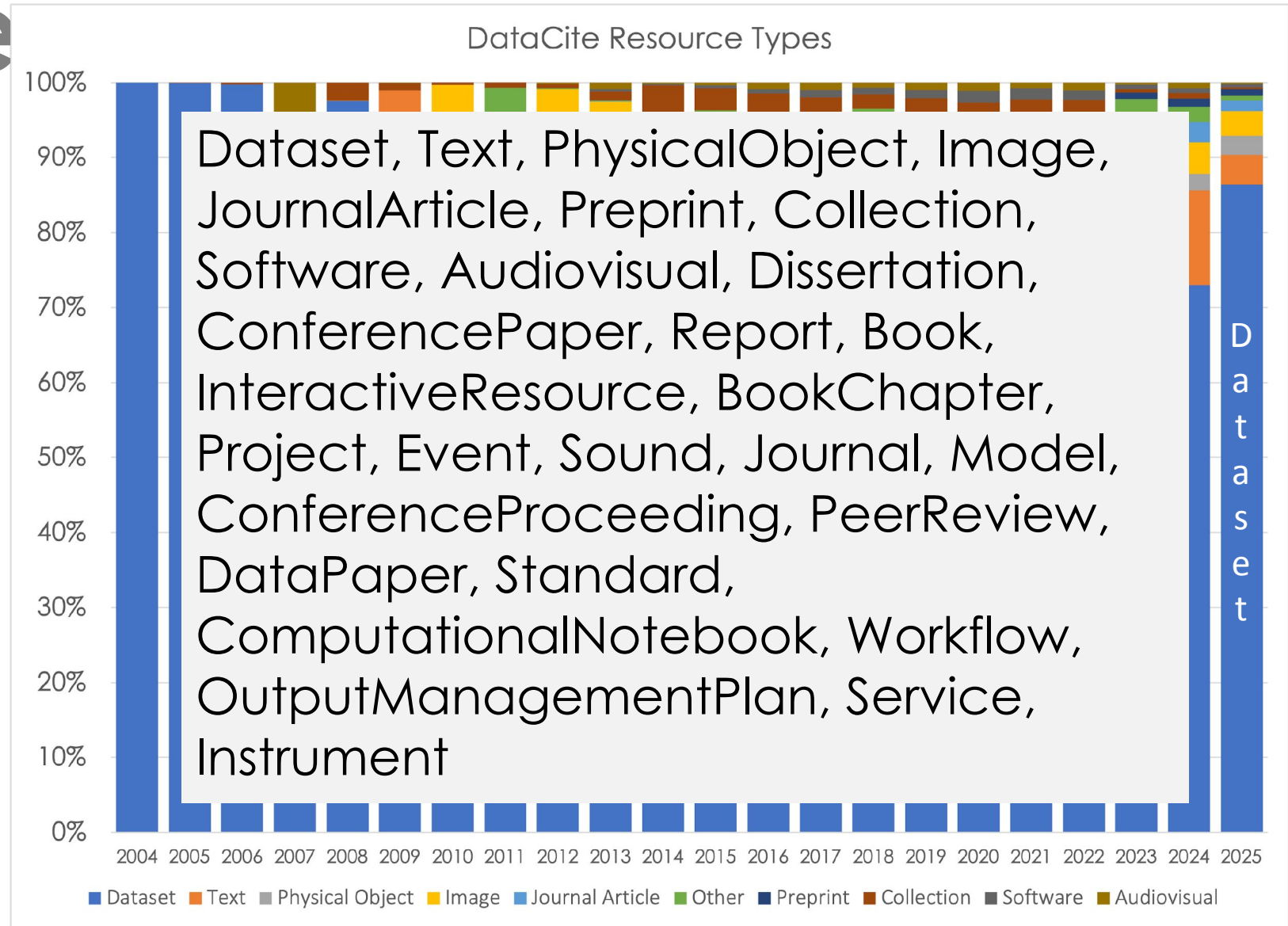
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@connector_erin



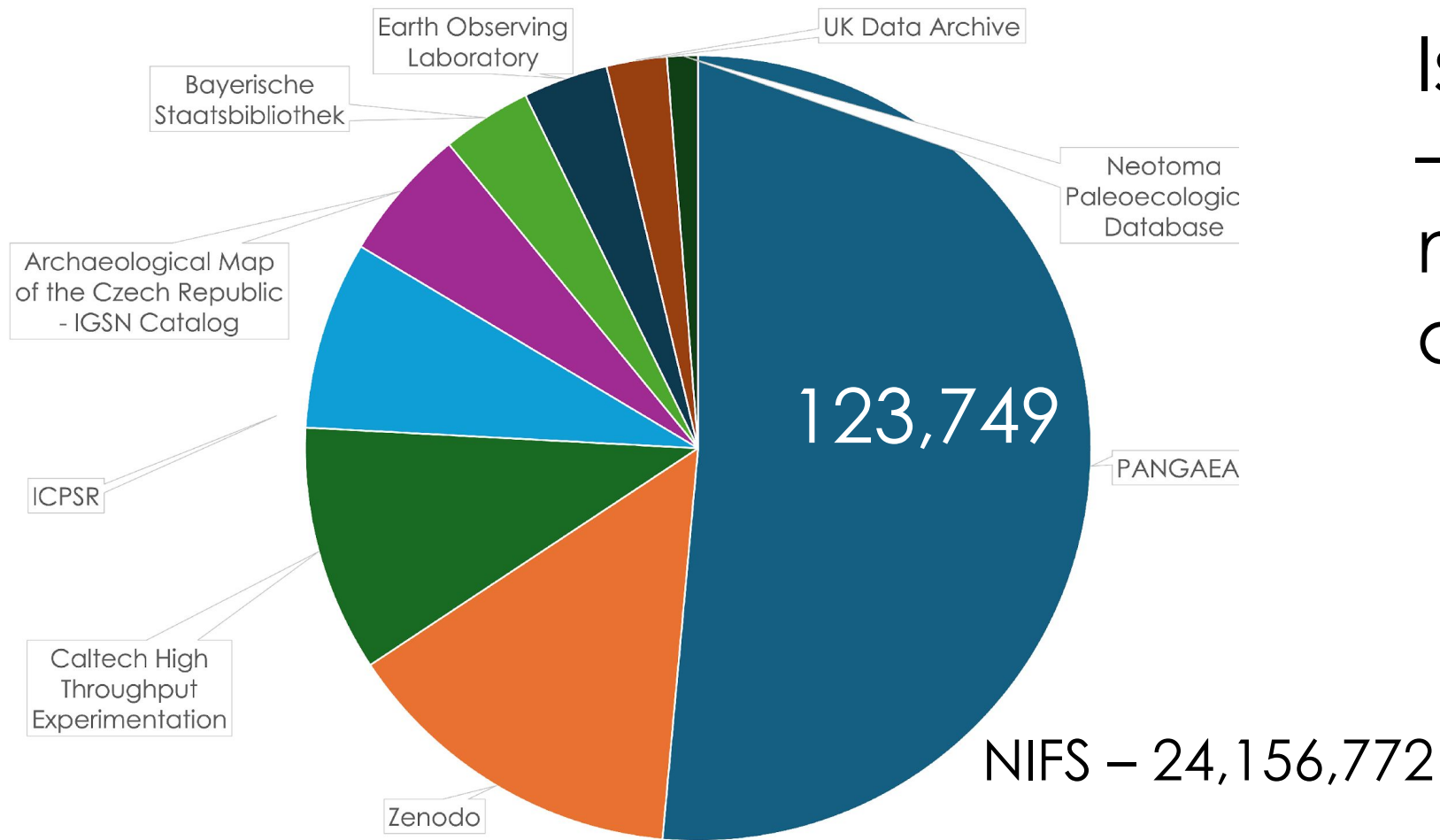
Resource Type History

How Many When (2025 Update): Dataset Bright Spot in the Driver's Seat

Scaling for Impact: How NIFS and DataCite Are Advancing Global Discoverability of Japanese Research

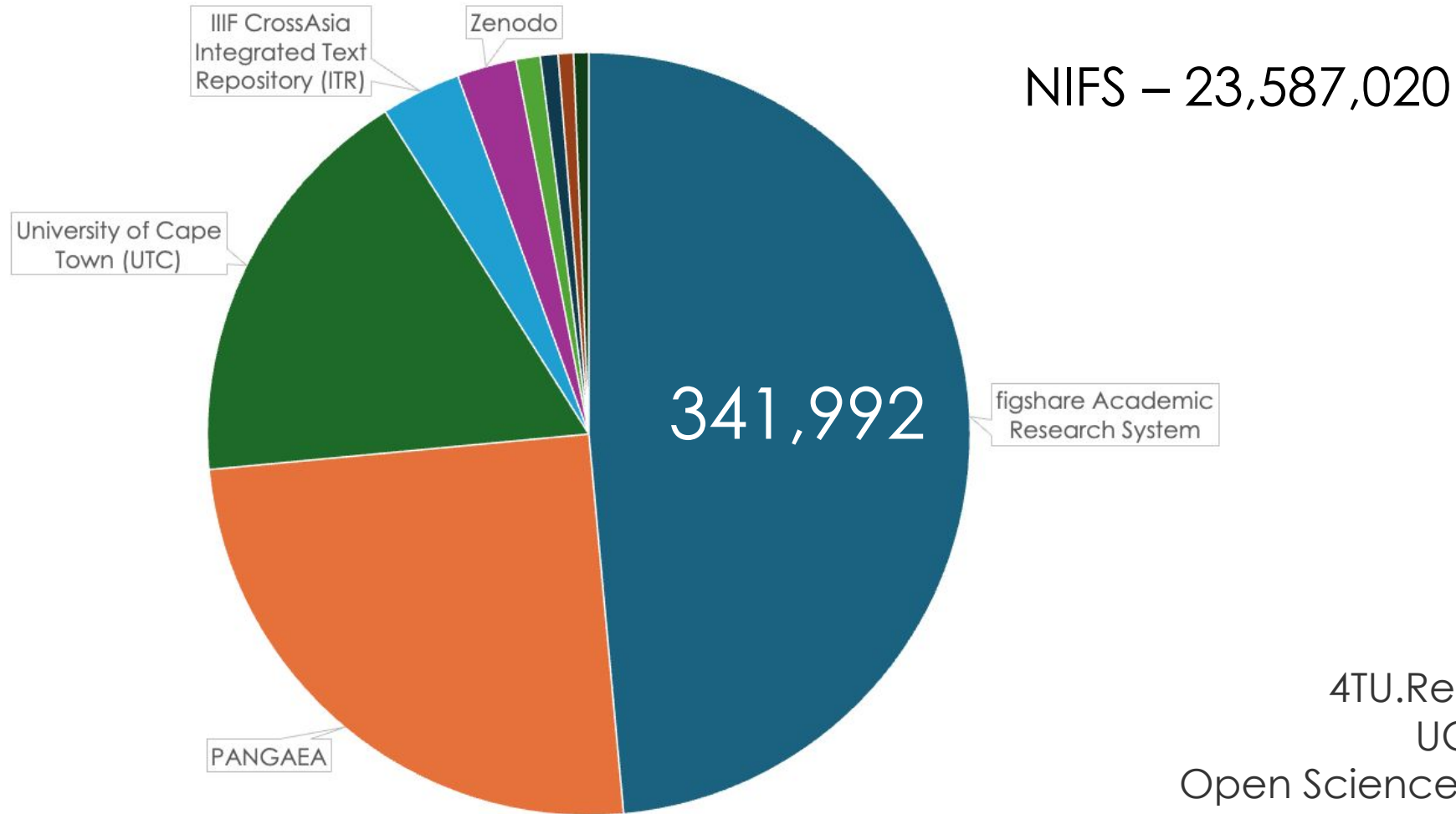


IsDocumentedBy = 24,397,308



IsDocumentedBy
– connecting
metadata to
documentation

References = 24,291,554

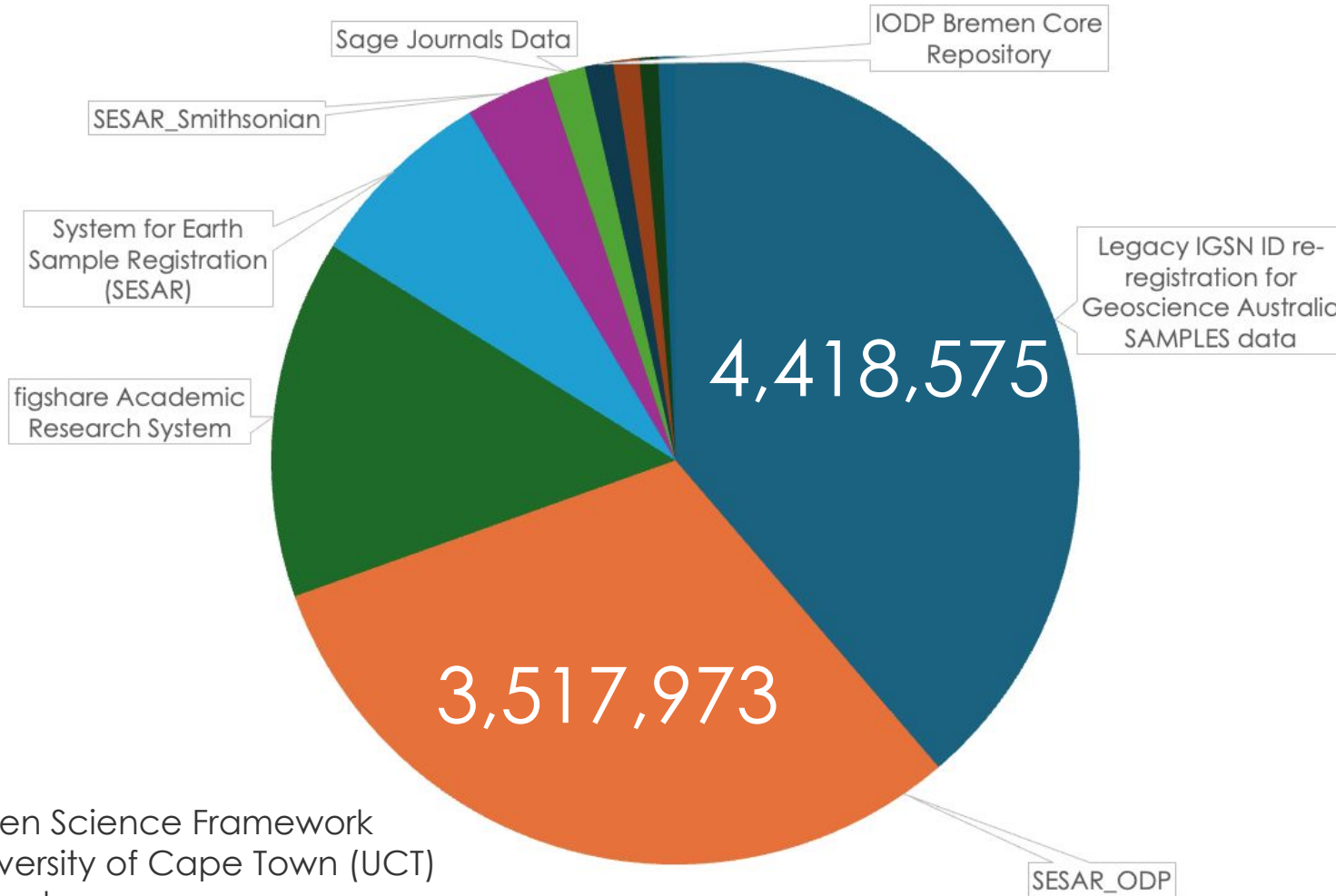


4TU.ResearchData
UC San Diego
Open Science Framework
FAIRsharing.org



METADATA
GAME CHANGERS

IsIdenticalTo = 11,412,723



IGSN merged into DataCite and legacy IGSNs were connected to new DOIs using IsIdenticalTo

Enriching IGSN Metadata in DataCite

Open Science Framework
University of Cape Town (UCT)
Zenodo

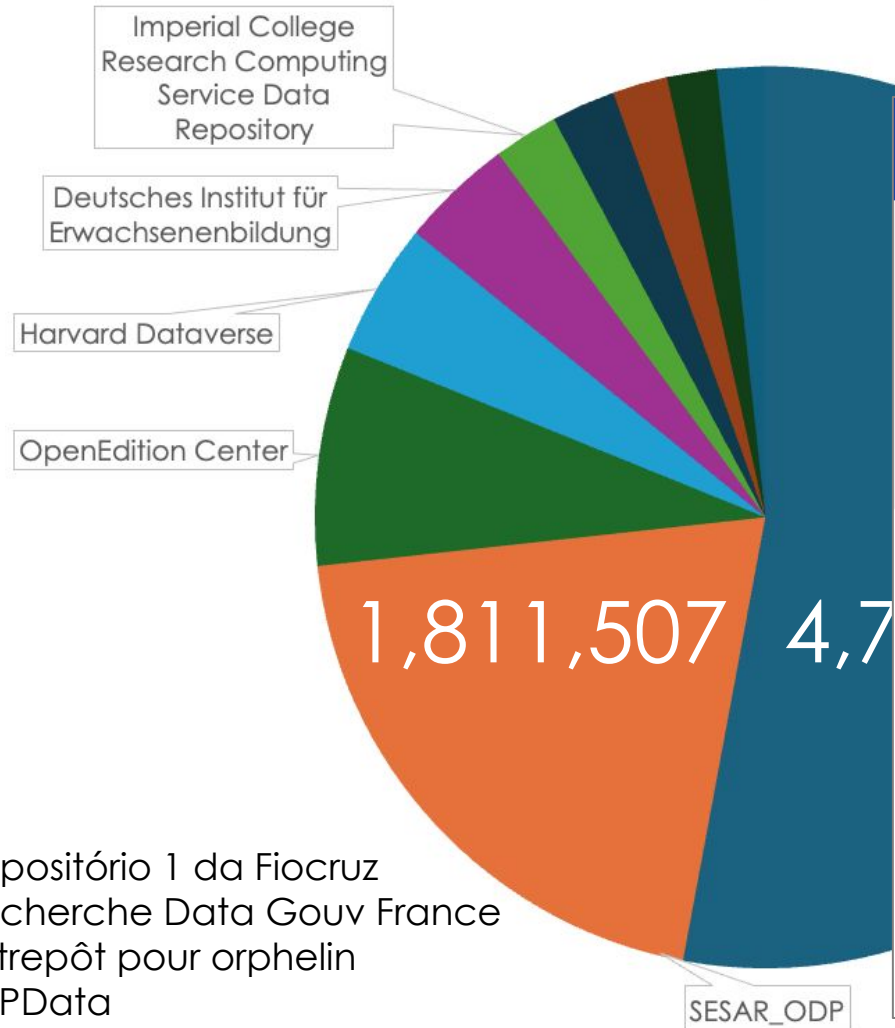
ted@metadatagamechangers.com
erin@metadatagamechangers.com

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

@TedHabermann
@connector_erin



IsPartOf = 8,903,662 Communities



Repositório 1 da Fiocruz
Recherche Data Gouv France
Entrepôt pour orphelin
HEPData

zenodo

Generalist Repository Ecosystem Initiative (GREI)

<https://datascience.nih.gov/data-ecosystem/generalist-repository-ecosystem-initiative>

Project National Institutes of Health

New upload

Records Members About

31 results found

Sort by Most viewed

May 17, 2023 (3.0) Other Open

Generalist Repository Comparison Chart

Stall, Shelley ; Martone, Maryann E. ; Chandramouliswaran, Ishwar ; and 14 others

The General Repository Comparison Chart and FAIRsharing Collection (<https://fairsharing.org/collection/GeneralRepositoryComparison>) is an outcome of the NIH Workshop on the Role ...

Part of AGU Open Science Leadership, Generalist Repository Ecosystem Initiative (GREI)

Uploaded on May 18, 2023

2 more versions exist for this record

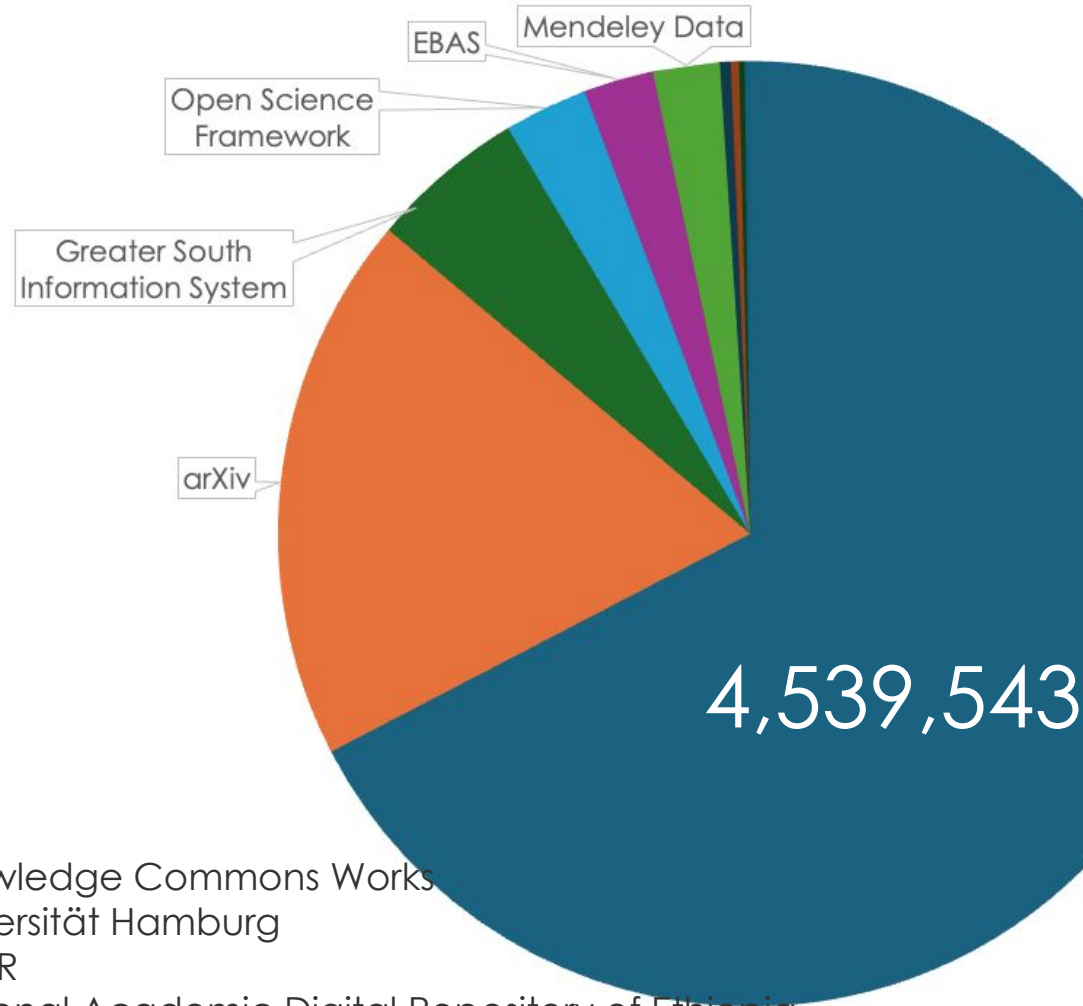
28240 15995

ted@metadatagamechangers.com
erin@metadatagamechangers.com

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

@TedHabermann
@connector_erin

IsVersionOf = 6,737,569



Knowledge Commons Works
Universität Hamburg
ICPSR
National Academic Digital Repository of Ethiopia

ted@metadatagamechangers.com
erin@metadatagamechangers.com

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

zenodo

DOI versioning

What is DOI versioning?

DOI versioning allows you to:

- edit/update the record's files after they have been published.
- cite a specific version of a record.
- cite all of versions of a record.

How does DOI versioning work?

When you publish an upload for the first time, we register two DOIs:

- a DOI representing the **specific version** of your record.
- a DOI representing **all of the versions** of your record.

Afterwards, we register a DOI for every new version of your upload.

This is best illustrated by an example of a software package. If the software has been released in two versions (v1.0 and v1.1), then the following DOIs would have been registered:

- **v1.0 (specific version):** 10.1234/7s0da-05p39
- **v1.1 (specific version):** 10.1234/chc5z-w0r30
- **Concept (all versions):** 10.1234/3s67k-pd636

The first two DOIs for versions **v1.0** and **v1.1** represent the specific versions of the software. The last DOI represents all the versions of the given software

I only want to change the title of my upload, do I still get a new DOI?

No, you can continue to edit the metadata of your upload without creating a new version of a record. You should only create a new version if you want to update the files of your record.

Why don't the DOIs have a version number suffix like ".v1"?

Including semantic information such as the version number in a DOI is bad practice, because this information may change over time, while DOIs must remain persistent and should not change.

Moreover, DOI versioning is linear, which means that the version number may in fact not be the real version number of the resource. Take for instance software, where it is common practice to have dot versions and make new releases in a non-linear order (e.g. first v1.0, then v1.1, then v2.0, then v1.2).

The versioning suffix is also not a functionality of the DOI system, i.e. adding .v2 to a DOI will not resolve to version 2 of a resource for any DOI from any provider. Different providers also use different patterns such as e.g. .v2, .2, /2.

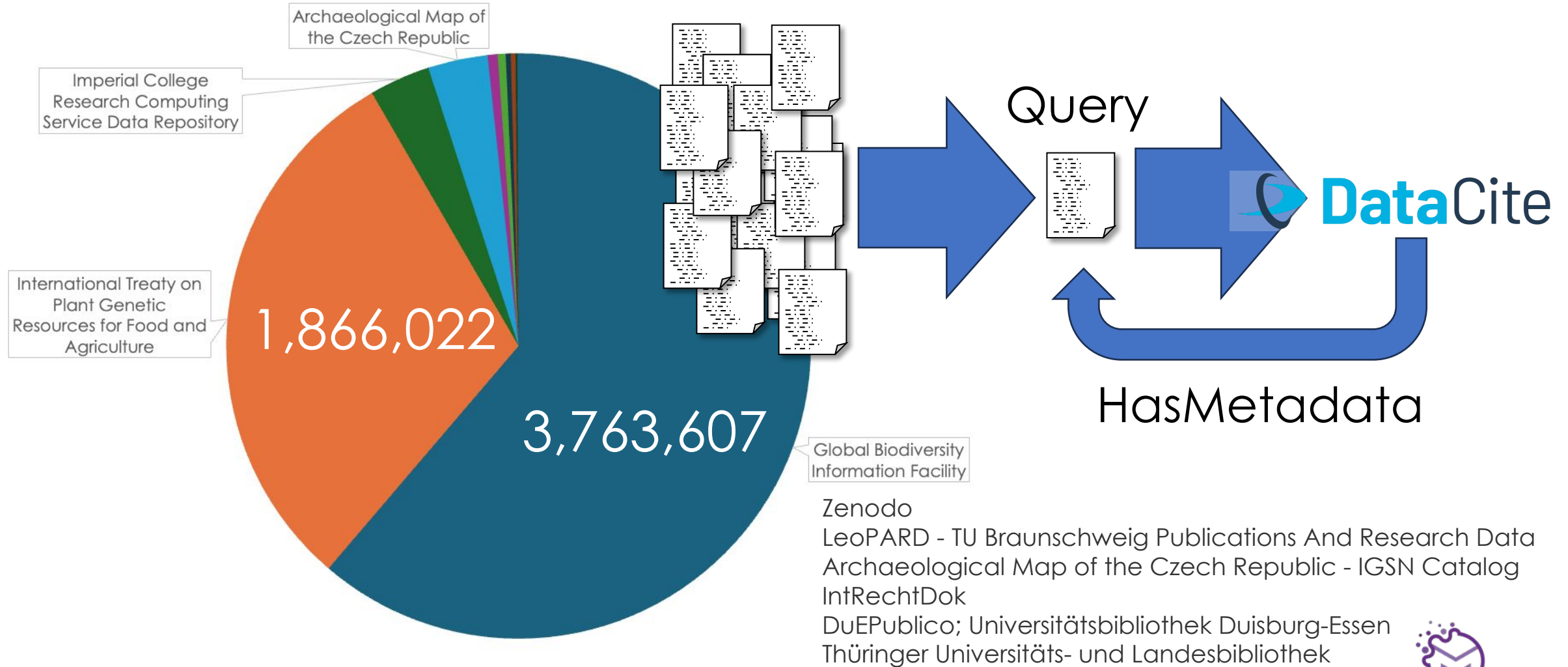
Most importantly, version suffixes are not machine readable. A discovery system that understands DOIs, will not know that .v1 and .v2 of a DOI are in fact two versions of the same resource.



METADATA
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@TedHabermann
@connector_erin

HasMetadata = 6,143,604



International Treaty on Plant Genetic Resources for Food and Agriculture fao.itpgrfa

"schemeUri": "http://www.fao.org/plant-treaty/areas-of-work/global-information-system/descriptors",
"schemeType": "XML",

"relationType": "HasMetadata",

"relatedIdentifier": "https://glis.fao.org/glisapi/v1/pgrfas?doi=10.18730/1N4C34",

"relatedIdentifier": "http://rs.tdwg.org/dwc/terms/guides/text/index.htm",

"relatedIdentifier": "schemeType": "DwC-A",

relationType : HasMetadata ,

"relatedIdentifier": "https://glis.fao.org/glisapi/v1/pgrfas?_format=dwc&doi=10.18730/1N4C34",

"relatedIdentifierType": "URL",

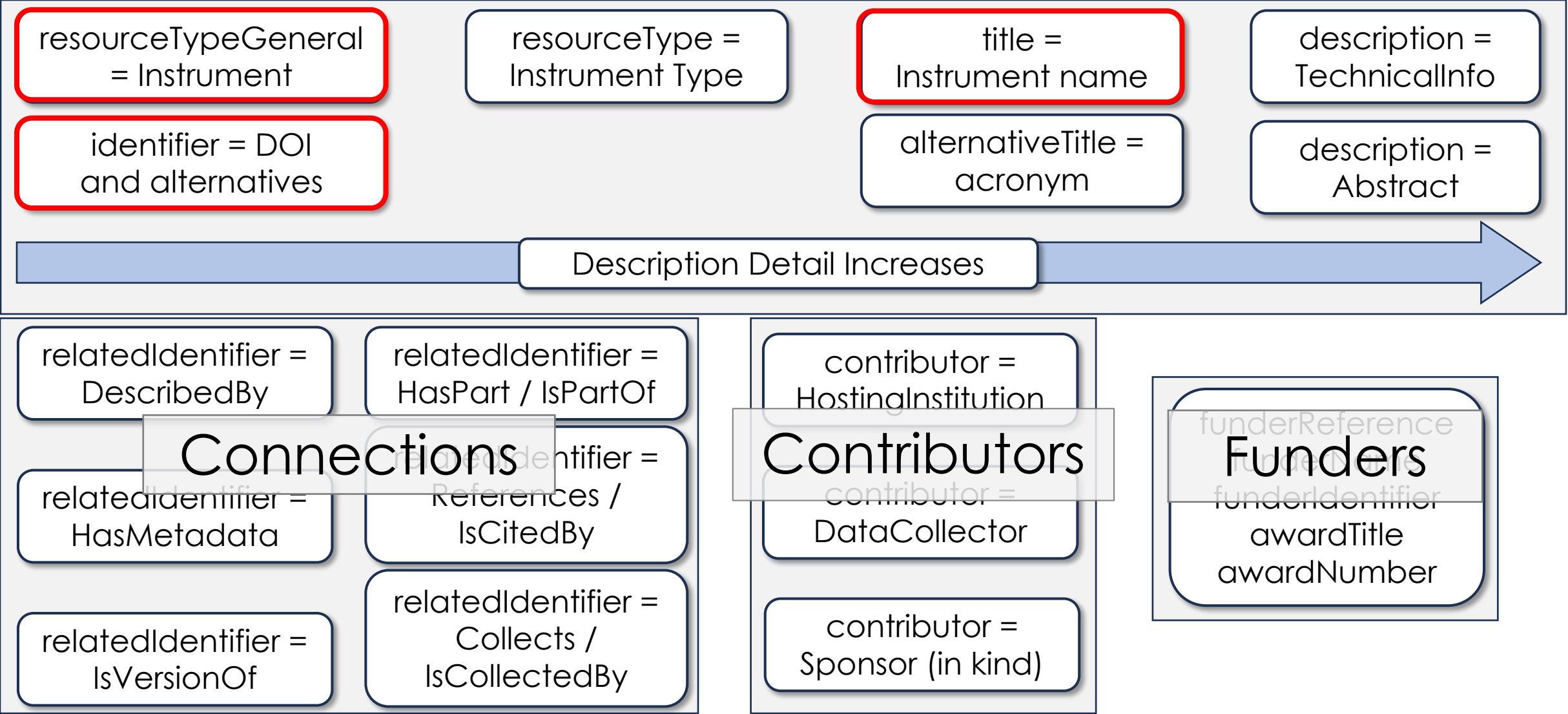
"relatedMetadataScheme": "Darwin Core Archive"

Instrument Connections

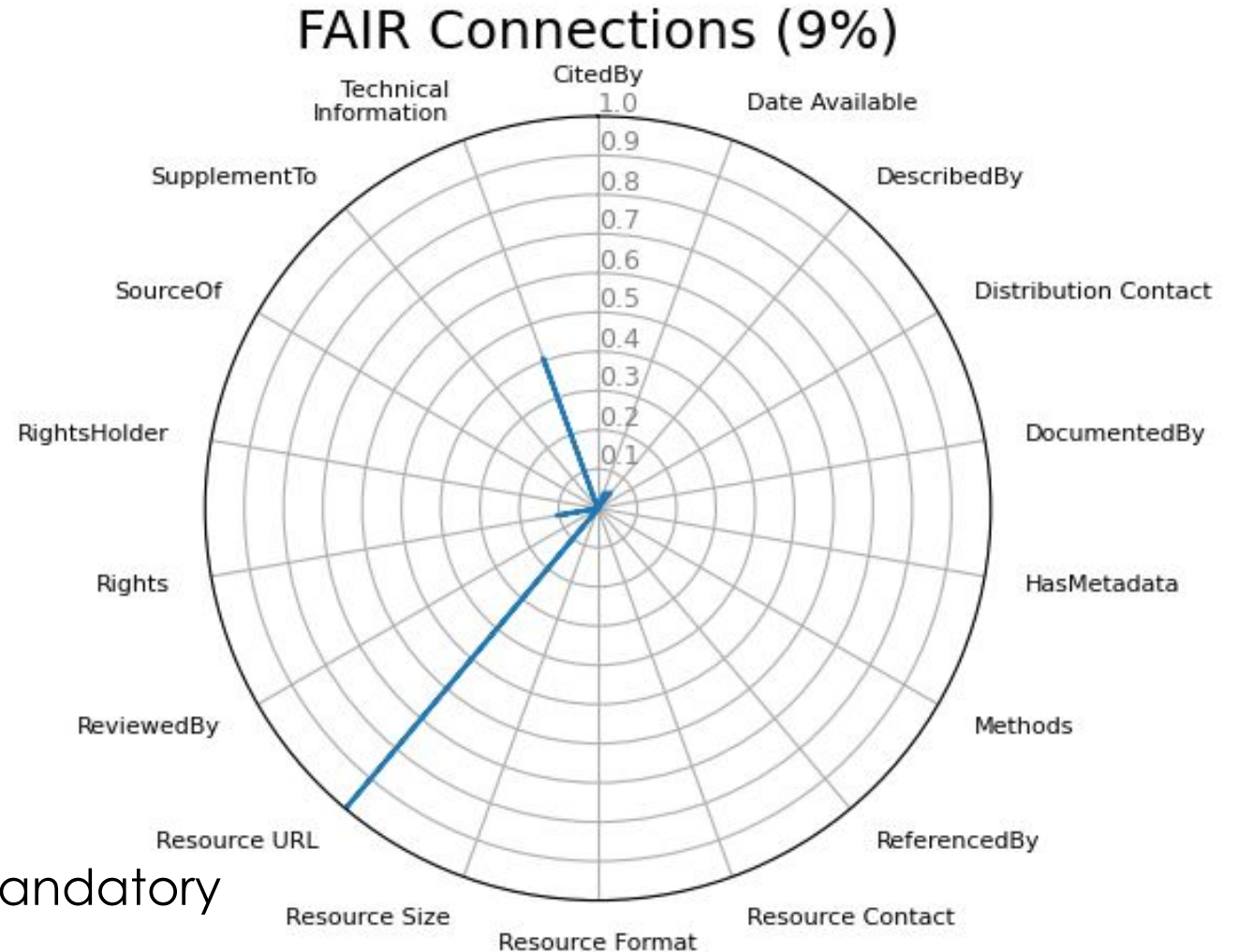
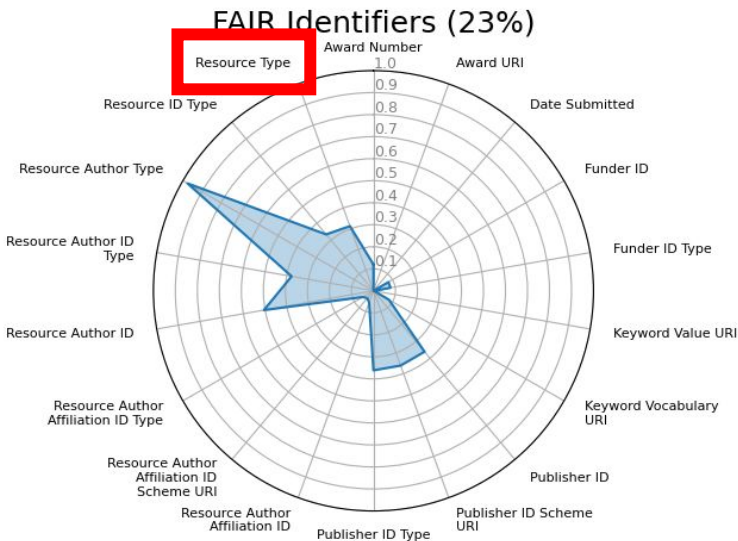
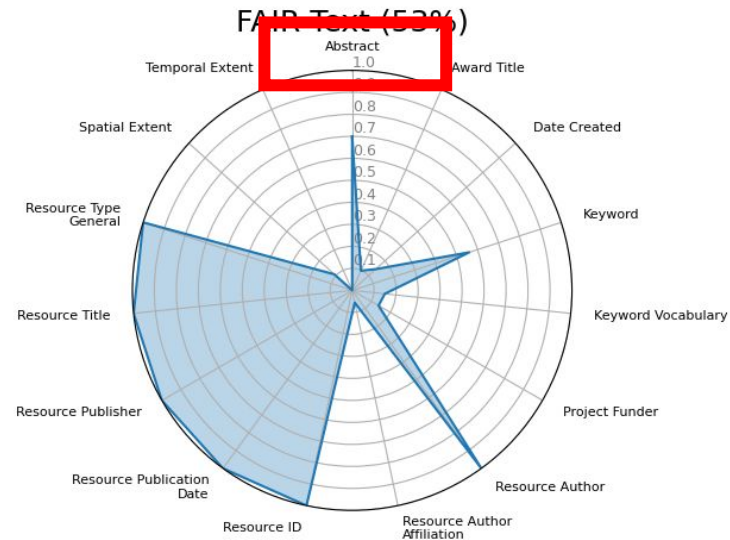
Two relationTypes were added specifically for instruments during January 2024: IsCollectedBy and Collects

RelationType	Repositories	Count	96
IsCollectedBy	Radboud Data Repository	49	
IsCollectedBy	Space Physics Data Facility	31	
IsCollectedBy	Observatoire de Paris	10	
IsCollectedBy	Helmholtz-Zentrum Berlin für Materialien und Energie GmbH	2	
IsCollectedBy	DOE SLAC National Accelerator Laboratory Repository, ROSA P, Afrischolar Discovery, innsbruck university press	1	
			8
Collects	OICC Press Journals	2	
Collects	DOE SLAC National Accelerator Laboratory Repository, Platforms, INIST/CNRS Institut de l'Information Scientifique et Technique, PRESSES UNIVERSITAIRES DE GRENOBLE, Leibniz Institute of Ecological Urban and Regional Development, Deutsches Zentrum für Altersfragen (DZA)	1	

Metadata Detail @ DataCite



Instrument Metadata (368 records)



Mandatory

Resource Types (full text):

36 resourceTypes are used 115 times in 368 records (253 records without resourceType).
The two most common resourceTypes are Project and Pre-registration (46 / 115)

Resource Type	Count
Project	29
Pre-registration	17
BER II Beamline	15
ProjectComponent	6
BESSY II Beamline	5
BESSY II Experimental Station	4
Cluster, Atomic force microscope	3
Supercomputer, Storage, Tactile 3D coordinate measuring machine, Optical scanner for digital replication of surfaces, Raman microscope	2

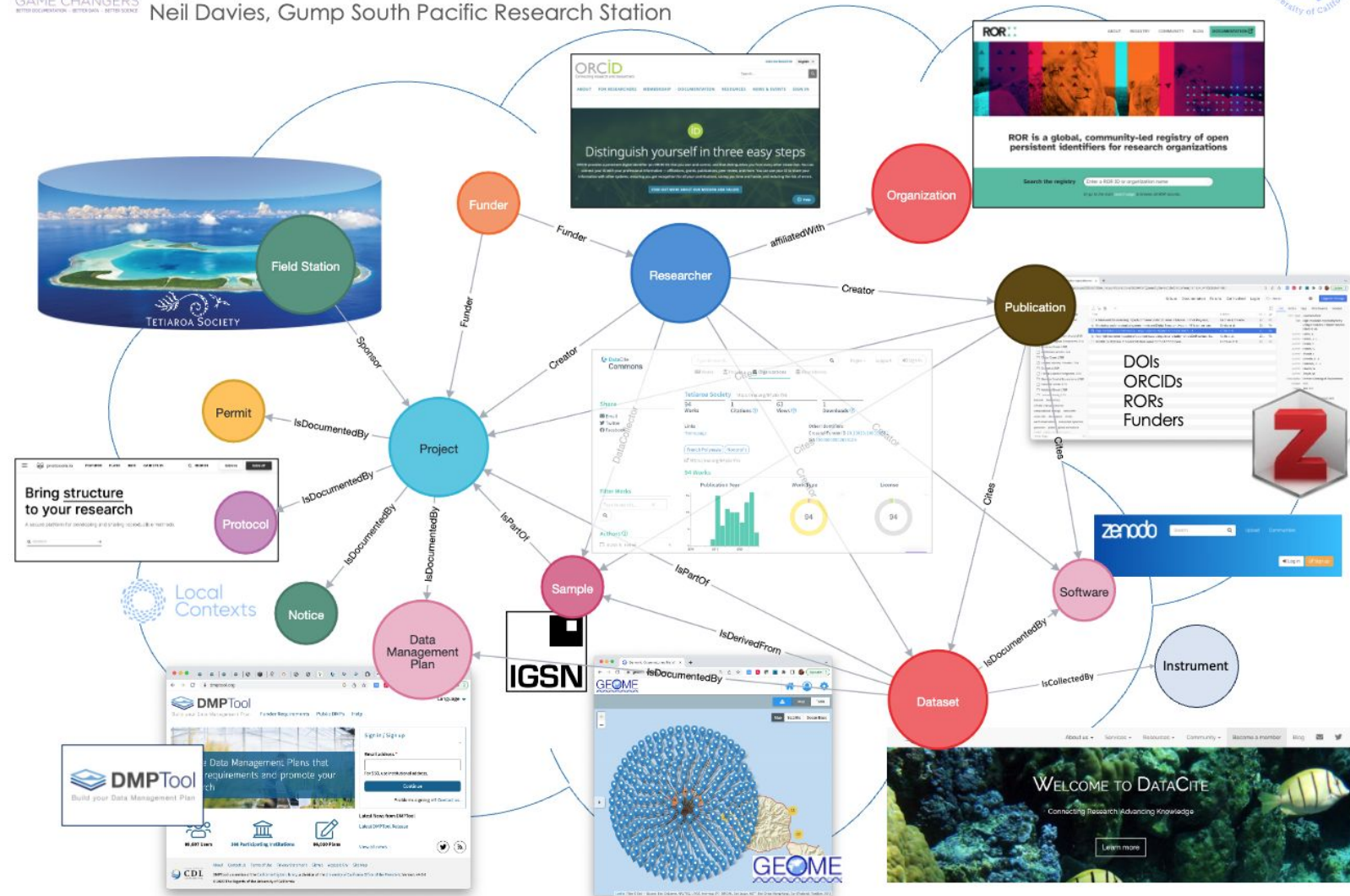
The Goal: A Connected Information Ecosystem



Connecting Place-based Research Back to the Place: Project Metadata in DataCite

Erin Robinson, Ted Habermann, Metadata Game Changers

Neil Davies, Gump South Pacific Research Station



<https://doi.org/10.6084/m9.figshare.236719>

Erin Robinson: 0000-0001-9998-0114, Ted Habermann: 0000-0003-3585-6733, Neil Davies: 0000-0001-8085-5014, Metadata Game Changers: 05bp8ka05, Gump South Pacific Research Station: 04sk0et52

ted@metadatagamechangers.com
erin@metadatagamechangers.com

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

@TedHabermann
 @connector_erin





Questions?

Recent Work:

- [Connecting PIDs in DataCite Metadata](#)
- [University and College Connectivity @ DataCite](#)
- [BrightSpots Get Brighter](#)
- [The Global Research Infrastructure and the NSF Public Access Repository](#)
- [FAIR DataCite Metadata - University and College Bright Spots](#)
- [Funder Acronyms Are Still Not Enough](#)

Work with us on:

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



Your
Repository
Insights!

ted@metadatagamechangers.com

erin@metadatagamechangers.com