



# Introduction to DataCite

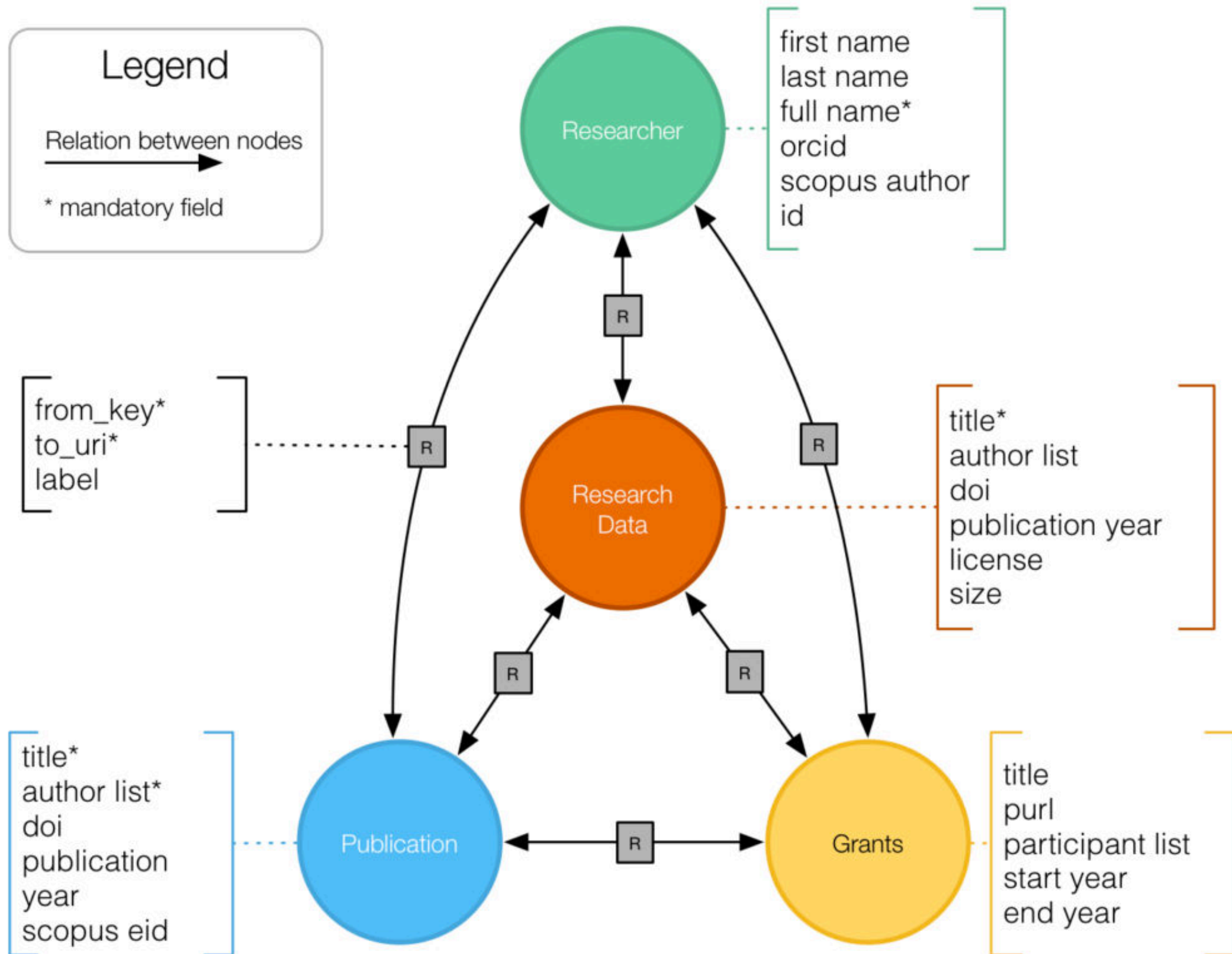
Martin Fenner, DataCite Technical Director  
<http://orcid.org/0000-0003-1419-2405>



**DataCite** is the leading global provider of DOIs for research data, enabling users to register, find, use, connect and track research data.

DataCite was founded in 2009 as  
a German non-profit membership  
organization

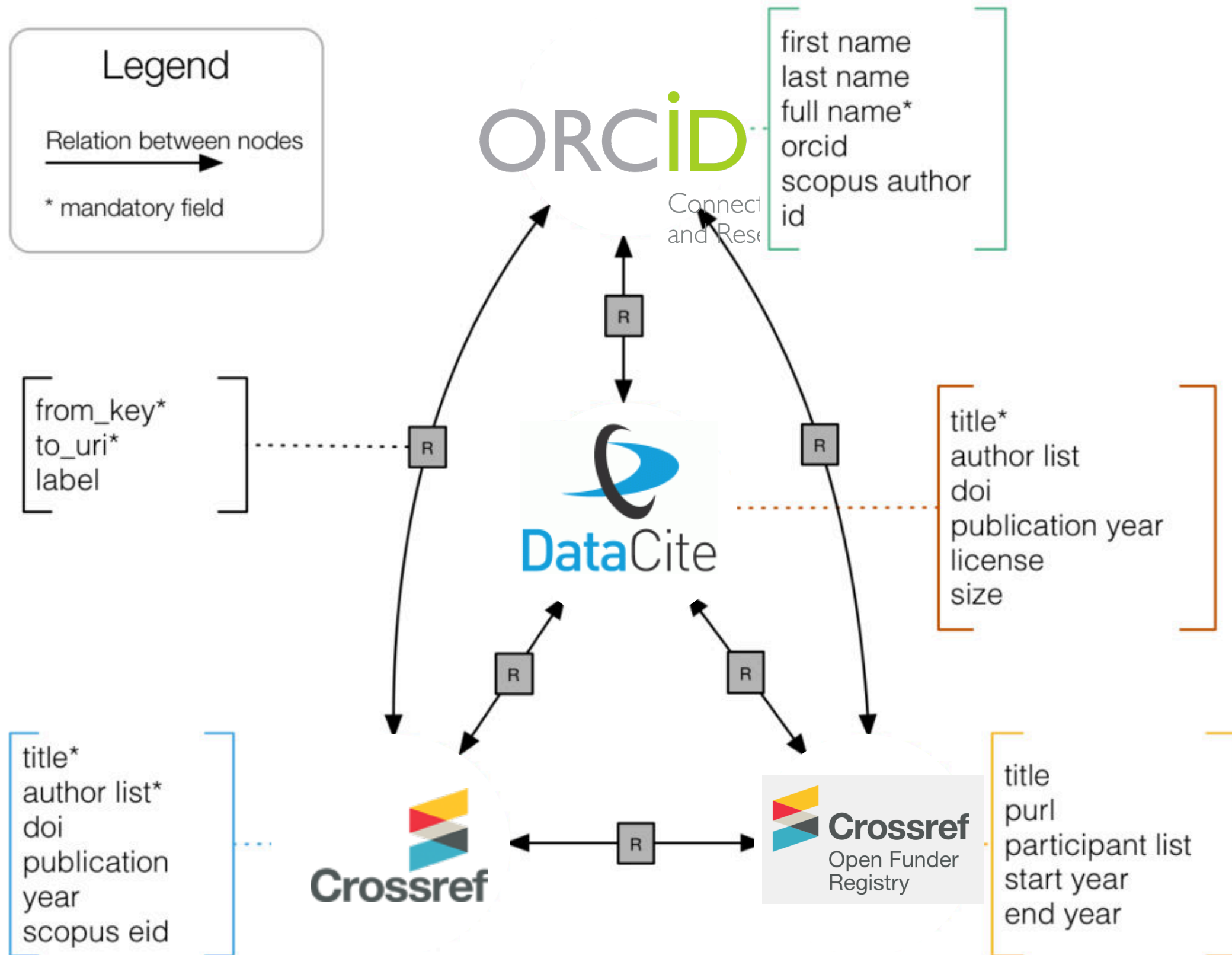
8,167,111	DOIs
47	members
1,251	data centers
5	staff members



## Research Graph Meta Model

Version 2.0 (Aug 2016)

<http://researchgraph.org/schema/>



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<https://www.flickr.com/photos/kaynich/16386180215>

# A DOI is not a DOI

Community and  
Use Cases

Members

DOI Services

DOI Registration agencies  
(Crossref, DataCite, KISTI, EIDR, ...)

DOI

International DOI Foundation (IDF)



# Some DataCite Members



<https://www.datacite.org/members.html>



# DataCite DOI Services

## Create

Create and manage  
DOIs and metadata.

### Metadata

- relatively simple schema, maintained by DataCite members
- flexible with regards to resource type
- support for collections
- multiple relation types for related content

# DataCite DOI Services

## Find

Find resources with DOIs and associated information.

- DataCite API
- DataCite Search
- DataCite OAI-PMH

# DataCite DOI Services

## Use

Access to the content that was registered, and information how it can be used.

- License information in metadata
- Most of the content available without restrictions
- Directly access content via content negotiation

# DataCite DOI Services

## Connect

Link data to articles

(Crossref), people (ORCID),

Funding (Crossref), etc.

- Data Citations
- Links to ORCID IDs

## Planned

- Links to funding information
- Links to institutions

# DataCite DOI Services

## Track

Indicators for re-use.

- Data Citations

Started

- DOI resolutions
- Repository usage stats

Planned

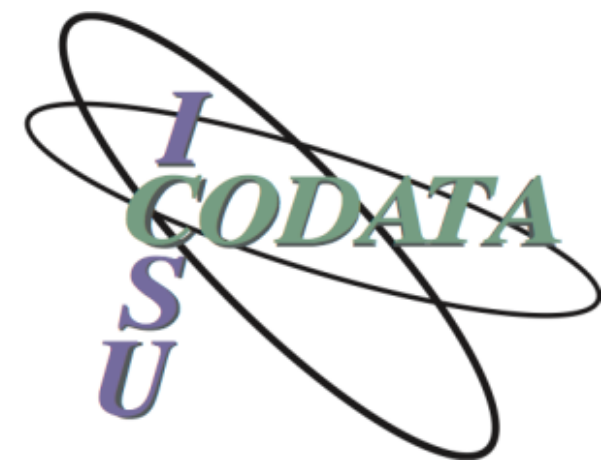
- Wikipedia
- Twitter

# DataCite DOI Services

## Advocate

Promote data sharing,  
persistent identifiers, and  
open science.

*Data should be considered legitimate, citable products of research. Data citations should be accorded the same importance in the scholarly record as citations of other research objects, such as publications.*



<https://www.force11.org/group/joint-declaration-data-citation-principles-final>



# DataCite DOI Services

## Support

Provide reliable, well-documented services and help members and users to use them.

- support email system
- status page

Launch in July

- Support portal with documentation