

Introducing DataCite Commons

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Why we are all here ...

1. Register content with DOIs and Metadata
2. Make this content discoverable to as wide an audience as possible
3. Keep track of how our content is reused

Content Registration	Metadata Retrieval	Reporting
MDS API	OAI-PMH	Stats Portal
REST API	REST API	Fabrica
Fabrica	DataCite Search	
	DataCite Commons	DataCite Commons

Background



The EC-Funded FREYA project (December 2017 - November 2020) works on improving PID infrastructure and PID Services in Europe.

Common DOI Search

Common Search Interface for DOIs from all scholarly DOI registration agencies, building upon the existing Crossref Metadata Search and DataCite Search

PID Graph

The connected searchable Graph of publications, datasets, other research outputs, people and organizations

Technology

GraphQL API

React Frontend

Data Sources

The following main data sources are used in DataCite Commons for a total of currently 38,472,046 records:

DataCite

19,897,461 Works

100% of identifiers and metadata.

Crossref

8,771,341 Works

7.48% of identifiers and metadata. Import is ongoing.

ORCID

9,704,912 People

100% of identifiers. Personal and employment metadata.

ROR

98,332 Organizations

100% of identifiers and metadata.

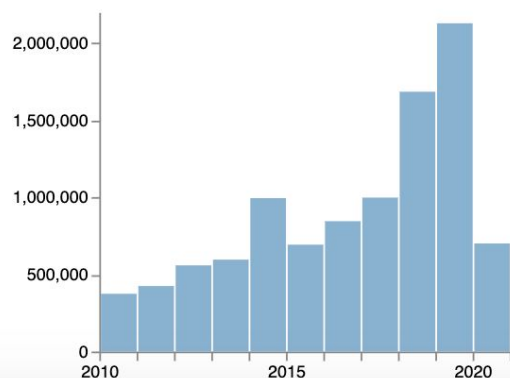
Additional information comes from these data sources:

- [Wikidata](#): inception year, geolocation and Twitter account for organizations
- [Unpaywall](#): download link for Open Access content via Crossref

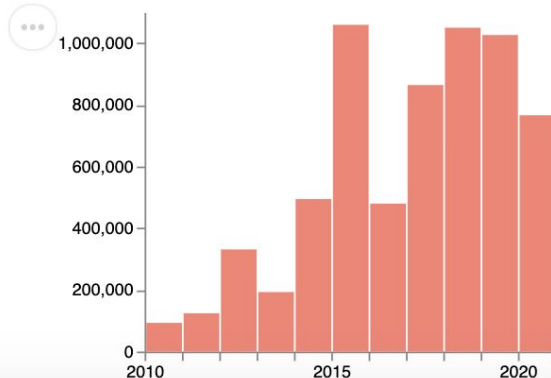
Works

DataCite Commons currently includes 28,668,802 works, with identifiers and metadata provided by DataCite and Crossref. For the three major work types [publication](#), [dataset](#) and [software](#), the respective numbers by publication year are shown below.

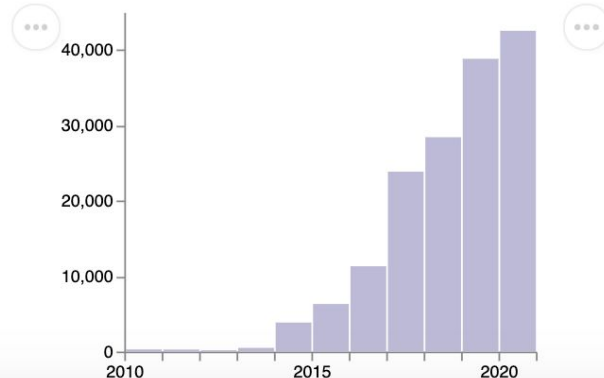
14,412,849 Publications



7,535,822 Datasets



157,363 Software



Single Search Interface

DataCite Commons

Type to search...



About

Support



This Page



Works



People



Organizations

<https://ror.org/05591te55>

Ludwig-Maximilians-Universität München

LMU

Links

[Homepage](#)

[Wikipedia](#)

Other Identifiers

GRID [grid.5252.0](#)

Crossref Funder ID [10.13039/501100005722](#)

Crossref Funder ID [10.13039/501100006192](#)

ISNI [000000041936973X](#)

Wikidata [Q55044](#)

Germany

Education

<https://ror.org/05591te55>

New Search Facets

License

<input type="checkbox"/> CC-BY-4.0	1,563,832
<input type="checkbox"/> CC-BY-SA-4.0	550,278
<input type="checkbox"/> CC-BY-3.0	308,011
<input type="checkbox"/> CC-BY-NC-4.0	265,873
<input type="checkbox"/> CC0-1.0	140,540
<input type="checkbox"/> CC-BY-NC-ND-4.0	27,674
<input type="checkbox"/> MIT	14,401
<input type="checkbox"/> CC-BY-NC-SA-4.0	6,746
<input type="checkbox"/> EUPL-1.1	5,788
<input type="checkbox"/> CC-BY-NC-3.0	2,411

Language

<input type="checkbox"/> English	7,402,184
<input type="checkbox"/> German	1,368,628
<input type="checkbox"/> French	240,515
<input type="checkbox"/> Italian	118,571
<input type="checkbox"/> Russian	101,100
<input type="checkbox"/> Spanish	68,091
<input type="checkbox"/> Dutch	57,054
<input type="checkbox"/> Portuguese	45,396
<input type="checkbox"/> Latin	39,854
<input type="checkbox"/> Irish	32,661

Field of Science

<input type="checkbox"/> Biological sciences	958,772
<input type="checkbox"/> Health sciences	348,251
<input type="checkbox"/> Chemical sciences	264,656
<input type="checkbox"/> Clinical medicine	245,812
<input type="checkbox"/> Earth and related	231,872

DOI registered November 10, 2010 via DataCite.

Dataset

English

 <https://doi.org/10.5284/1000146>

England's Historic Seascapes: Demonstrating the Method

H E M Cool

Archive published 2011 in [Archaeology Data Service](#)

The HSC: Demonstrating the Method Project, funded by the ALSF, marks the initial implementation of a rigorous, repeatable methodology for Historic Seascape Characterisation, applying the principles already underpinning Historic Landscape Characterisation (HLC) to the coastal and marine zones.

DOI registered November 10, 2010 via DataCite.

Dataset

English

 <https://doi.org/10.5284/1000144>

A Database of Upper Palaeolithic Sites based on Wymer and Bonsall, 1977

H E M Cool

Archive published 2011 in [Archaeology Data Service](#)

This database consists of data for all the Upper Palaeolithic (Earlier and Later) sites with positional data in England and Wales derived from the Gazetteer of Mesolithic sites in England and Wales (Wymer and Bonsall, 1977), issued as Council for British Archaeology Research Report 20, along with a Gazetteer of Upper Palaeolithic sites. The database includes a list of mistakes (and corrections) noted while checking the gazetteer.

DOI registered November 10, 2010 via DataCite.

Dataset

English

 <https://doi.org/10.5284/1000181>

The Augustinian Priory of St Mary, Norton Priory, Runcorn, Cheshire

H E M Cool

Archive published 2011 in [Archaeology Data Service](#)

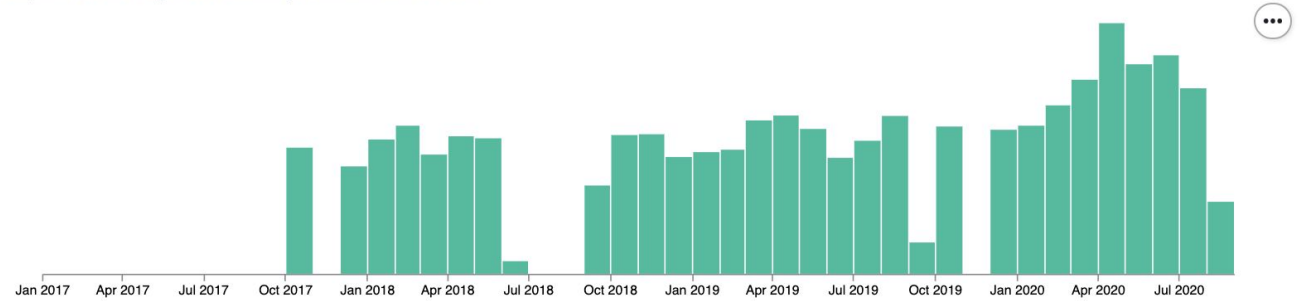
The dataset comprises detailed records (in the form of databases) of stratigraphic data generated by the excavations, and the substantial parts of the material archive, including the medieval and later vessel glass, the medieval and later pottery, the medieval and later metalwork (copper alloy, iron, and lead objects), the bone and ivory objects, the wooden and leather objects of medieval and later

Views, Downloads and Citations

23,883 Views

14,652 Views

23,883 views reported since publication in 2009.



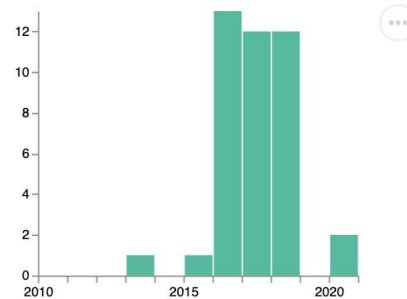
1 Reference

42 Citations

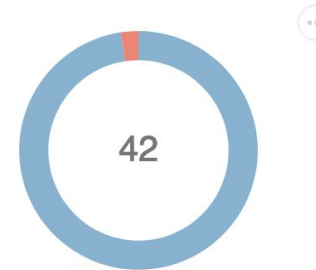
Publication Year

<input type="checkbox"/> 2020	2
<input type="checkbox"/> 2018	12
<input type="checkbox"/> 2017	12
<input type="checkbox"/> 2016	13
<input type="checkbox"/> 2015	1
<input type="checkbox"/> 2013	1
<input type="checkbox"/> 2009	1

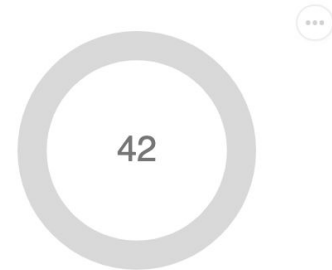
Publication Year



Work Type



License



Work Type

<input type="checkbox"/> Text	41
<input type="checkbox"/> Dataset	1

Long-Term Hydraulic Adjustment of Three Tropical Moist Forest Tree Species to Changing Climate

Mahmuda Islam, Mahmuda Islam & Mahmuda Islam

Journal Article published 2018 in [Frontiers in Plant Science](#)

Funding

Cite

APA ▼

Pihelo, P., & Kalamees, T. (2019). Commissioning of moisture safety of nZEB renovation with prefabricated timber frame insulation wall elements. *Wood Material Science & Engineering*, 1–8. <https://doi.org/10.1080/17480272.2019.1635206>

Funding

European Regional Development Fund

TK146

Estonian Research Council

PRG483

Clearer Actions

DataCite Commons

Type to search...



About

Support

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Works

People

Organizations

<https://doi.org/10.14469/ch/25099>

NSC1015

Yong Zhang, [Henry S. Rzepa](#), [James J. P. Stewart](#), [Peter Murray-Rust](#), [Matthew J. Harvey](#), [Nicholas Mason](#), [Andrew McLean](#) & [Yong Zhang](#)

NSC 1015 published 2015 in

DOI registered October 14, 2014 via DataCite.

Collection

<https://doi.org/10.14469/ch/25099>

Download

Full Metadata

[DataCite XML](#)

[DataCite JSON](#)

[Schema.org JSON-LD](#)

Citation Metadata

[Citeproc JSON](#)

[BibTeX](#)

[RIS](#)

Share

Email and Social Media

Email

Twitter

Facebook

Cite

APA



Zhang, Y., Rzepa, H. S., Stewart, J. J. P., Murray-Rust, P., Harvey, M. J., Mason, N., McLean, A., & Imperial College High Performance Computing Service. (2015). *NSC1015*. Imperial College London. <https://doi.org/10.14469/CH/25099>

Crossref Content looks the same

<https://doi.org/10.1080/17480272.2019.1635206>

Commissioning of moisture safety of nZEB renovation with prefabricated timber frame insulation wall elements

Peep Pihelo & Targo Kalamees

Journal Article published 2019 in [Wood Material Science & Engineering](#)

DOI registered July 3, 2019 via Crossref.

Text

 <https://doi.org/10.1080/17480272.2019.1635206>

Aggregation by Person

<https://orcid.org/0000-0002-7618-7292>

Philip E. Bourne

Stephenson Chair of Data Science, University of Virginia Director of the Data Science Institute, University of Virginia Professor of Biomedical Engineering, University of Virginia formerly Associate Director for Data Science, NIH formerly Senior Investigator, NCBI formerly Associate Vice Chancellor for Innovation and Industrial Alliances, UCSD formerly Professor of Pharmacology, UCSD

Links

[Wikipedia](#)

[UVA Website](#)

Other Profiles

[ORCID](#)

[Impactstory](#)

[Europe PMC](#)

 <https://orcid.org/0000-0002-7618-7292>

Share

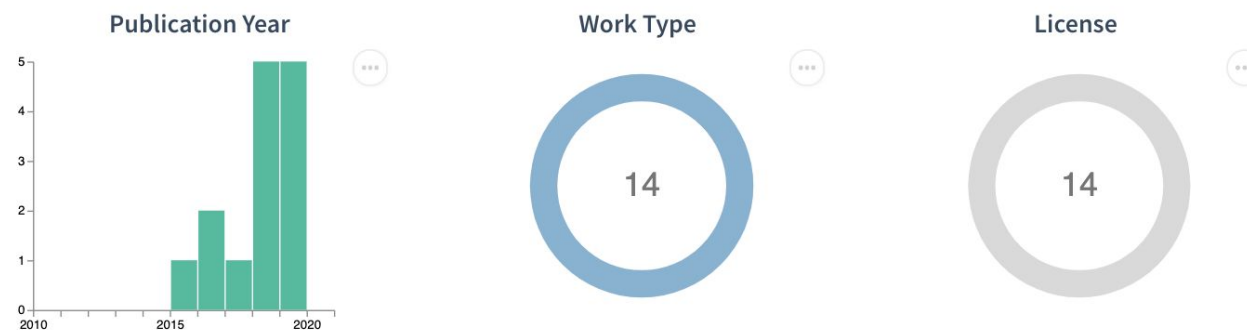
Email and Social Media

 Email

 Twitter

 Facebook

14 Works



Aggregation by Organization

<https://ror.org/013meh722>

University of Cambridge

Cambridge University

Links

[Homepage](#)

[Wikipedia](#)

Other Identifiers

GRID [grid.5335.0](#)

Crossref Funder ID [10.13039/501100000735](#)

Crossref Funder ID [10.13039/501100007552](#)

Crossref Funder ID [10.13039/501100008420](#)

Crossref Funder ID [10.13039/100010441](#)

Crossref Funder ID [10.13039/501100000580](#)

ISNI [0000000121885934](#)

Wikidata [Q35794](#)

Wikidata [Q10899168](#)

Wikidata [Q24679079](#)

Wikidata [Q181892](#)

United Kingdom

Education

<https://ror.org/013meh722>

Share

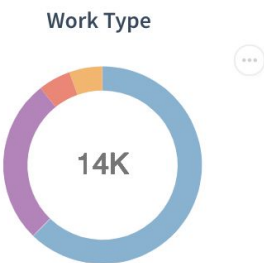
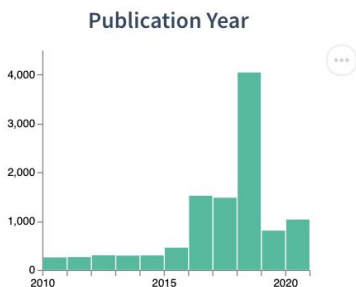
Email and Social Media

[Email](#)

[Twitter](#)

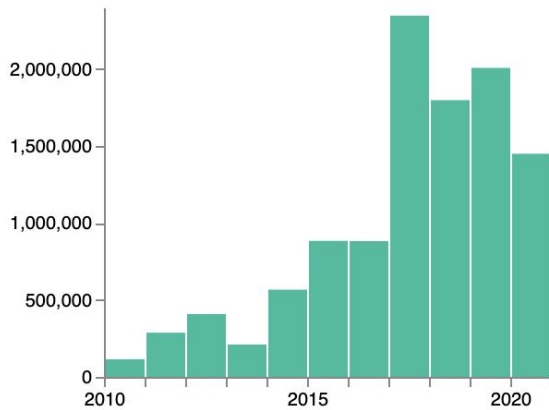
[Facebook](#)

14,386 Works

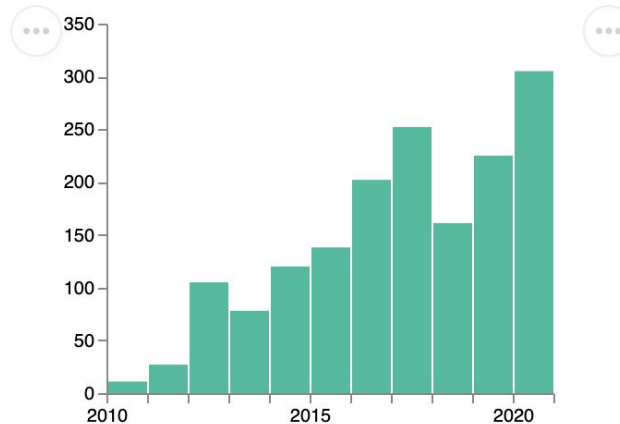


Connections between Organizations and Works

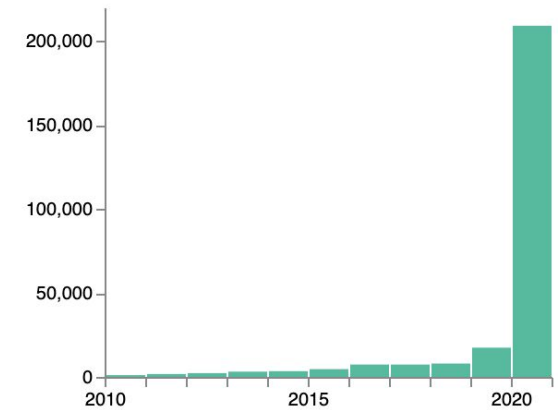
12,598,643 Hosted



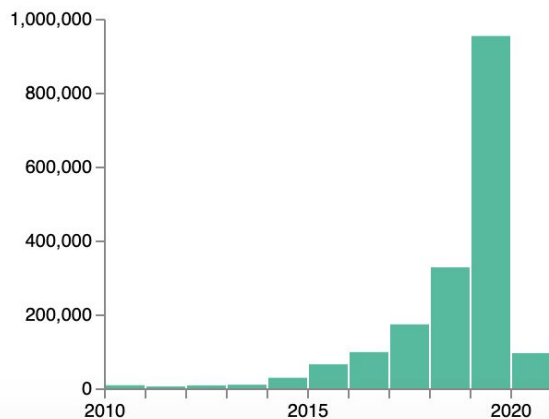
1,683 Contributed



273,399 Affiliated



1,804,651 Funded



Hosted: Organization is hosting institution, connected via repository identifier.

Contributed: Organization is creator or contributor, connected via nameIdentifier.

Affiliated: Organization is creator or contributor affiliation, connected via affiliationIdentifier.

Funded: Organization is funder, connected via funderIdentifier.

FREYA Official Launch

DataCite Commons will officially launch with the FREYA project in October. Until then

- More data, more connections
- Personal accounts for ORCID claiming
- Bug fixes

Thanks!

