

Interoperable persistent identifiers



ORCID and DataCite Interoperability Network

Agenda

- ORCID: Laura Paglione
- Datacite: Sebastian Peters
- INSPIREHEP – Implementation: Sünje Dallmeier-Tiessen
- Dryad – Implementation: Ryan Scherle
- Overarching challenges
- Q&A



ODIN

ORCID and DataCite Interoperability Network



ORCID





Connecting Research
and Researchers

The ORCID Registry

Open Repositories 2014

June 12, 2014

Laura Paglione
Technical Director, ORCID
L.Paglione@ORCID.org
<http://orcid.org/0000-0003-3188-6273>

What is ORCID ?

The ORCID Organization

- Non-profit, non-proprietary, open, and community-driven
- Global, interdisciplinary
- Independent
- Supported by the membership of organizations using the ORCID API
 - Funding organizations
 - Professional societies
 - Universities & research institutes
 - Publishers

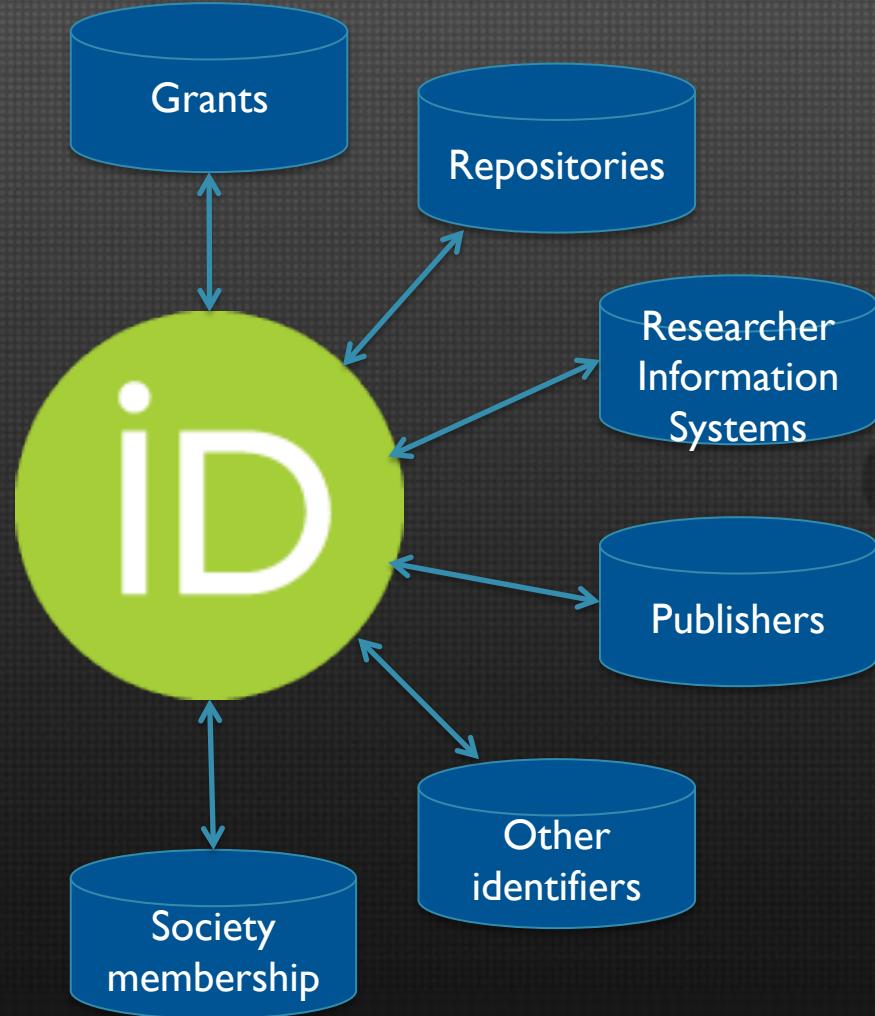
The ORCID

- Unique, persistent identifier for researchers, scholars & analysts
- Free to researchers
- Used throughout one's career
- Used across professional activities, affiliations, disciplines, nations & languages
- Embedded into workflows & metadata
- API enables interoperability between siloed systems

Facilitating Info Exchange

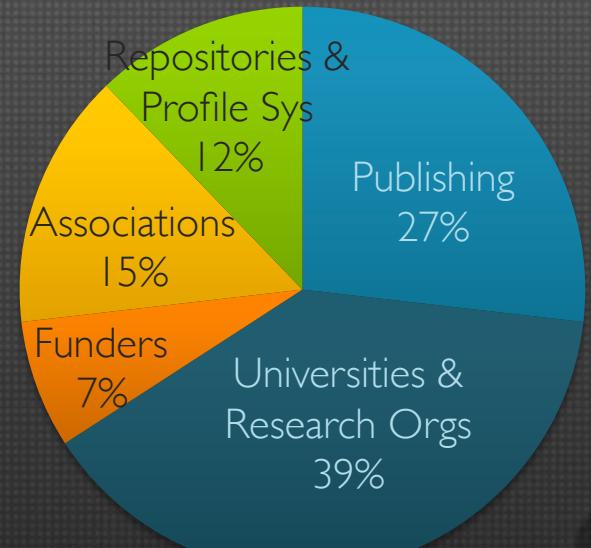
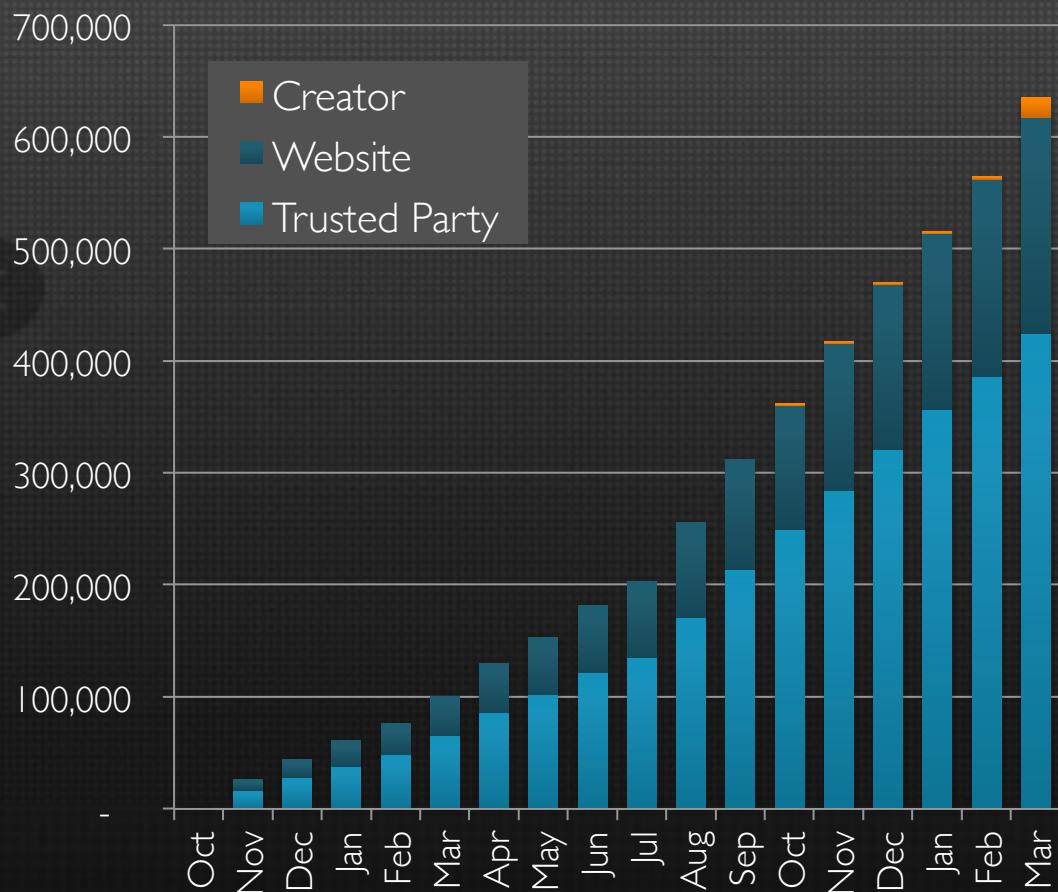
The ORCID API enables information exchange between systems:

- Less time re-keying
- Improved data
- Easier maintenance
- Better sharing across systems

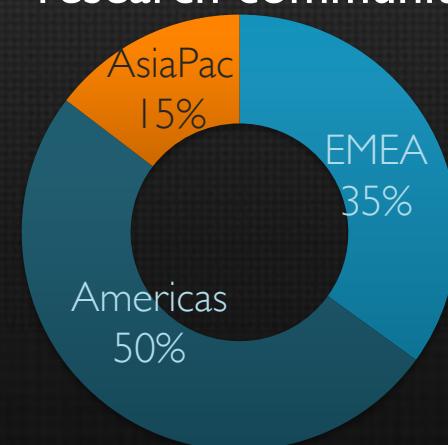


Adoption and Integration

ORCID has issued over 740,000 IDs since our launch in October 2012. Integration and use is international.



Over 145 members, from every sector of the international research community



The ORCID Record

Laura AD Paglione

ID: http://orcid.org/0000-0003-3188-6273

Also known as:
L Paglione
LAD Paglione
Laura Dorval Paglione
Laura Dorival
Keywords: startup, launch, webapps
Websites:
Another site
My Work - ORCID.org
Other IDs:
Scopus Author ID 55377012300
Manage client credentials

Personal Information [Update](#)

Biography

Laura Paglione is an entrepreneurial, technically versatile, resourceful leader who thrives at the intersection of creative, technical and business environments. She currently serves as Technical Director of ORCID, where she is directing the technical efforts in ORCID's mission to address name ambiguity for researchers, and serve as a gateway to connect their research activities from disparate sources.

Previously as Director, Advancing Innovation at the Kauffman Foundation, Laura directed the efforts of the iBridge Network, an innovation catalyst for university collaboration and technology commercialization. In prior positions at Ford Motor Company and Avid Technology, as well as several start-up/gazelle companies, Laura has turned around, launched and led 4 other high-profile initiatives, the most visible of which was for Ford Motor Company's Board of Directors.

Education [Add Education Manually](#)

- Massachusetts Institute of Technology Sloan School of Management (1999)
MBA
- Brown University
ScM
- Stevens Institute of Technology
BEng

Employment [Add Employment Manually](#)

- ORCID (06-2012 to present)
Technical Director
- Management Leadership for Tomorrow (04-2010 to 06-2012)
VP, Operations
- Wildcat (2009 to 2010)
Chief Operating Officer

Works [Import Works](#) [Add Work Manually](#)

- Work Title: Work Subtitle 12-2013
- ORCID: A system to uniquely identify researchers: Learned Publishing 2012

Funding [Add Funding Manually](#)

- One more thing - present: Wellcome Trust Sanger Institute (2013 to present)
- Another fake grant: National Institutes of Health Office of Technology Transfer (2011-03 to 2024-04)

Contains:

← Biographical Data

← Education Data

← Employment Data

← Works Data

← Funding Data

Shared IDs & Connections

ADD EDUCATION

Institution

Department

Degree/title

ADD FUNDING

Funding type

Title

Funding amount

Start date

FUNDING AGENCY

Funding agency name

Funding agency city

Funding agency region

Funding agency country

Organization
list from Ringgold
(an ISNI Registrar)

External IDs
(DOIs, ISBNs, ISNIs, PubMed IDs, etc)

Other Person IDs
(Scopus ID, ResearcherID, ISNIs,
Institution IDs, etc)

Funding agency
list consistent
with FundRef

Search & link Wizards

LINK FUNDING

ÜberWizard for ORCID

IMPORT WORKS

ORCID has been working with many member organizations to make it easy to connect your ORCID iD, and import information from their records. Use one of the imports wizards to get started.

Australian National Data Service (ANDS) Registry

Import your research datasets into ORCID from ANDS Research Data Australia (RDA). ANDS is producing agencies to improve discovery and reusability of research data across many research domains from earth science to technology and engineering.

- ANDS Registry
- CrossRef Metadata Search
- DataCite Metadata Store
- Europe PubMed Central
- ResearcherID
- Scopus
- ISNI number & ISBNs
- ÜberWizard (funding)

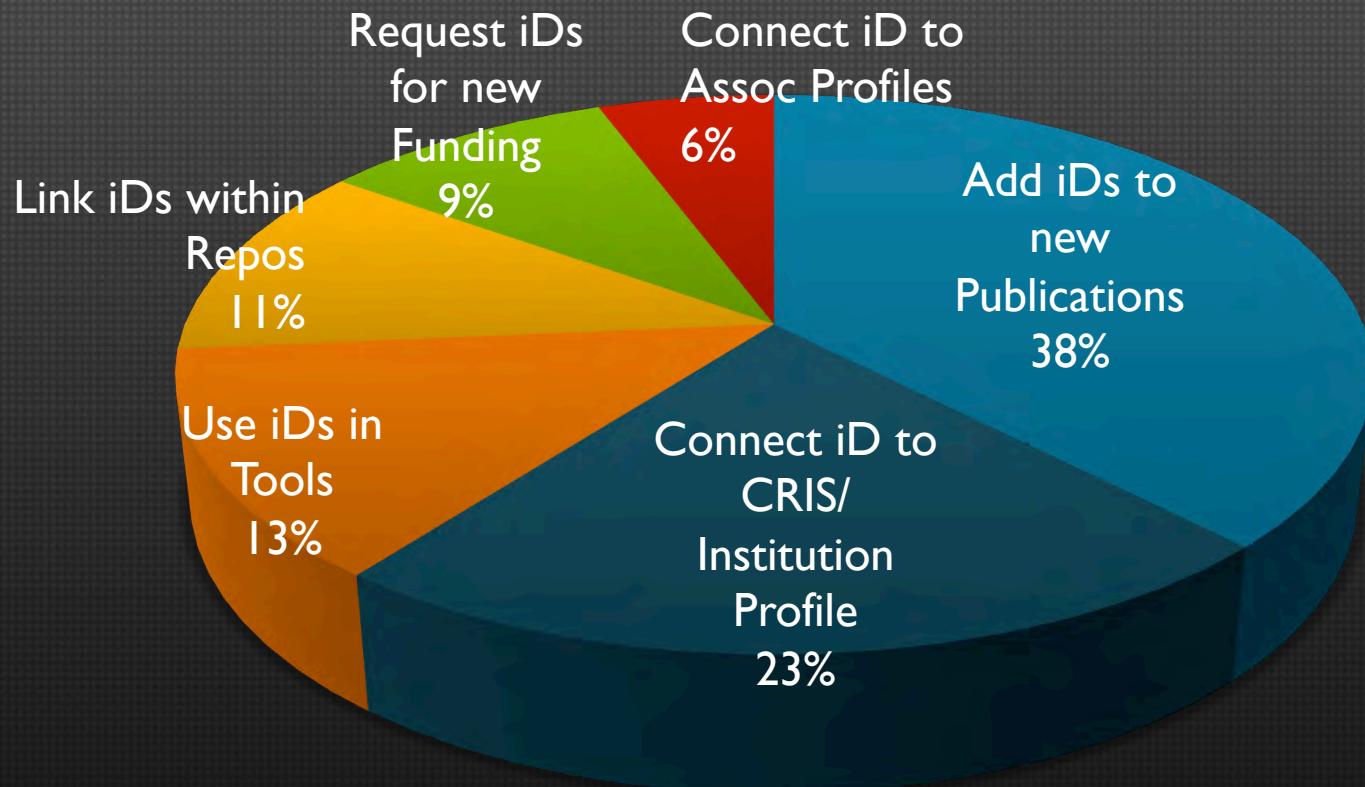
Who is Integrating?

- **Research Funders**
- **Professional Associations**
- **Publishers**
- **Repositories, CRIS Vendors, Metrics Providers**
- **Universities and Research Orgs**

For a list of organizations and integrations see
<http://orcid.org/organizations/integrators>

Types of Connections

Over 55 integrations by members and others using the public API



<http://orcid.org/organizations/integrators/current>

Standard Metadata Schemas

- ❖ ORCID works collaboratively with the research community to ensure use and adoption of research information exchange standards



ISNI

Home News ISNI Community ISNI Registration Agencies

You are here: Home » News » Admin's blog / ORCID to begin using Ringgold as Registration Agency

ORCID to begin using Ringgold as Registration Agency

ORCID is to begin using Ringgold as Registration Agency for ISNI Institutional Identifiers to support the accurate and persistent identification of researcher institutional affiliations.

A CERIF-XML Person Record + Vocab

[Leave a reply](#)

The subsequent XML describes a valid person record in CERIF-XML embedding two federated identifier types – namely ORCID and an example HEFA Staff Identifier. Furthermore, it gives two relationships to org role "Board Member". With vocabulary, i.e. maintaining Vocabulary and thus uses:


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ORCID and DataCite Interoperability Network

[ORCID Awarded a Collaborative Research Grant from VIVO](#)
 Date: January 10, 2011 Source: ORCID Source URL: ...
<http://vivoweb.org/about/press-releases/orcid-awarded-collaborative-research-grant-vivo>

 casrai
Connecting Research

ABOUT PROGRAM UPDATES

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CASRAI and ORCID Collaborate to Advance Integrated Research Data

Posted by Asha Law on Mon, 2012-10-29 07:35

 crossref & orcid

CrossRef is pleased to announce that it is participating in the recently launched Open Researcher and Contributor ID (ORCID Inc.) initiative to create an unambiguous identifier for scholarly and professional researchers.

Our members will be aware that CrossRef has been exploring the possibility of creating an "author DOI" or "contributor ID" system. In doing so, it has become clear that the issues and use-cases involved in identifying researchers span a broad collection of stakeholders including libraries, institutions, funders, publishers and, of course researchers themselves. In short, this is not primarily "a publisher problem." As such, we believe that the ORCID approach to creating an inclusive and open organization representing all the stakeholders in the scholarly communications process represents the best chance of creating a successful contributor identification system.

For ten years the CrossRef DOI has allowed researchers, librarians and publishers to unambiguously identify published scholarly literature. We believe that the next step toward creating a robust and persistent scholarly record is to develop a similar mechanism for unambiguously editing researchers for their scholarly contributions. We look forward to working with the ORCID members to make this happen.

- Remembering all of those identifiers!
- Identifiers without other info are hard; they don't provide enough info (resolvable iDs help)
- Type the ORCID iD
 - Prone to errors
 - Requires researcher to remember the iD
- Search for someone to associate an iD
 - Disambiguation problems – which Smith / Wang / Johansson are you?
- iD display – long

Thank you!

- Find out more at <http://orcid.org>
- More on membership at
<http://orcid.org/about/membership>
- Learn about tools to embed ORCID iDs at
<http://support.orcid.org/knowledgebase/>
- Subscribe to our blog at <http://orcid.org/about/news>
and follow [@ORCID_Org](https://twitter.com/ORCID_Org) on Twitter
- Contact the ORCID Executive Director at
l.haak@orcid.org

DataCite

or

DOI is more than just CrossRef

Sebastian Peters

DataCite Tech Team Lead

German National Library of
Science and Technology

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DOI Registration Agencies

- 1) Airiti, Inc.
- 2) China National Knowledge Infrastructure (CNKI)
- 3) **CrossRef**
- 4) **DataCite**
- 5) Entertainment Identifier Registry (EIDR)
- 6) The Institute of Scientific and Technical Information of China (ISTIC)
- 7) Japan Link Center (JaLC)
- 8) Multilingual European DOI Registration Agency (mEDRA)
- 9) Publications Office of the European Union (OP)

What is DataCite?

- Global consortium carried by local institutions
- focused on improving the scholarly infrastructure around datasets and other non-textual information
- focused on working with datacentres and organizations that hold data
- Providing standards, workflows and best-practice
- **Make research data citable** (data publication)
- Initially, but not exclusively based on the DOI system

<http://www.datacite.org>

DataCite History

- Founded December 1st 2009 in London
- Forerunner (since 2004), founder member and managing agent: German National Library of Science and Technology (TIB)
- 1st DOI for a dataset registered by TIB in 2004
- Happy 10th Anniversary:
<http://www.datacite.org/node/121>

Facts & Figures

- 22 full members, 9 associated; from 18 countries
- ~ 3.4 Mio. DOIs
- ~ 3.2 Mio. metadata objects
- > 300 DOI prefixes
- > 300 datacentres (publishing agents)

DOI – Digital Object Identifier

- *Digital Identifier of an Object*
- Maintained by the International DOI Foundation (IDF)
- Based on Handle System
- Actionable, interoperable, persistent
- ISO standard 26324:2012
- ~ 100 Mio. DOIs registered
- Example: doi:10.5524/100001, <http://doi.org/10.5524/100001>
- Resolve to Landing Pages

<http://www.doi.org>

Challenge: Getting DOI Metadata

Problem

Every RA has a custom metadata format and API

Solution

Content Negotiation on doi.org level

Content Negotiation – CrossRef & DataCite

- HTTP Content Negotiation with [dx.]doi.org proxy
- You don't need to know the actual DOI RA
- Common Formats of CrossRef & DataCite:
 - RDF, RIS, BibTeX, Citeproc, ...
- <http://crosscite.org/cn/>
- Example:
 - curl -LH "Accept:application/rdf+xml"
`http://doi.org/10.5524/100001`

Citation Formatter

- Using Content Negotiation
- More than 500 styles (<http://citationstyles.org>)
- <http://crosscite.org/citeproc/>
- <https://github.com/crosscite/citeproc-doi-server>



Grobe, Hannes (2005) Data policy of the information system PANGAEA. doi:
10.1594/PANGAEA.327791

DataCite Metadata Generator and ORCID

- Metadata formular with ORCID lookup
- Result from the last code sprint at CERN
- <http://www.datacite.org/node/102>
- <https://github.com/koelnconcert/datacite-metadata-generator>

DataCite Metadata Generator - Kernel 3.0

Mandatory Elements	
DOI:	[DOI]
Title(s):	[TITLE]
Creator(s):	jan bräse
Search ORCID	ORCID 0000-0002-8250-6253
Lookup ORCID	

Metadata	
<?xml version='1.0' encoding='UTF-8'?><resource xmlns='http://datacite.org/schema/kernel-3' xsi:schemaLocation='http://datacite.org/schema/kernel-3'><identifier identifierType='DOI'></identifier><creators><creator><creatorName>jan bräse</creatorName><nameIdentifier nameIdentifierType='ORCID'>0000-0002-8250-6253</nameIdentifier></creator></creators><titles><title></title></titles><publisher></publisher><publicationYear></publicationYear></resource>	

ORCID Identifier
0000-0002-8250-6253

Biography

GERMAN NATIONAL LIBRARY OF
SCIENCE AND TECHNOLOGY



Combining Identifiers for Citing Fragments

- Media Fragment Identifier (MFID), W3C
- Prototype for TIB's AV-Portal
- <http://doi.org/10.5446/12780#t=00:20,00:27>
- Out of the box solution
- DOI resolver agnostic
- Content negotiation still works

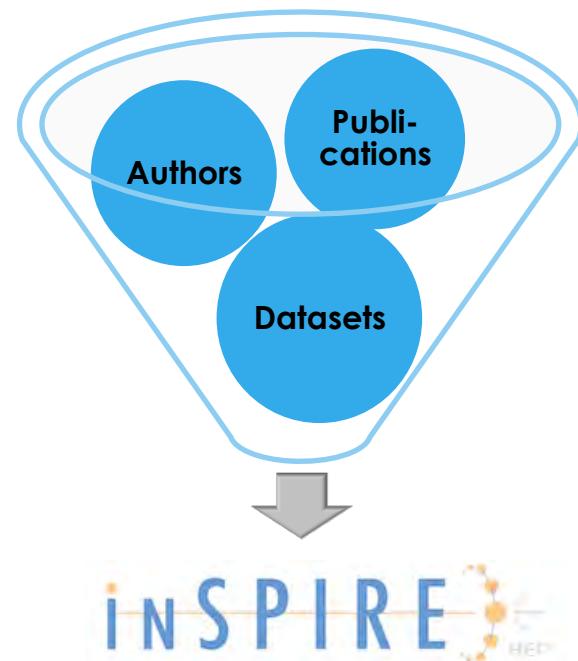


Shared identifiers in a large-scale digital library: INSPIRE-HEP

sunje.dallmeier-tiessen@cern.ch

What is INSPIRE?

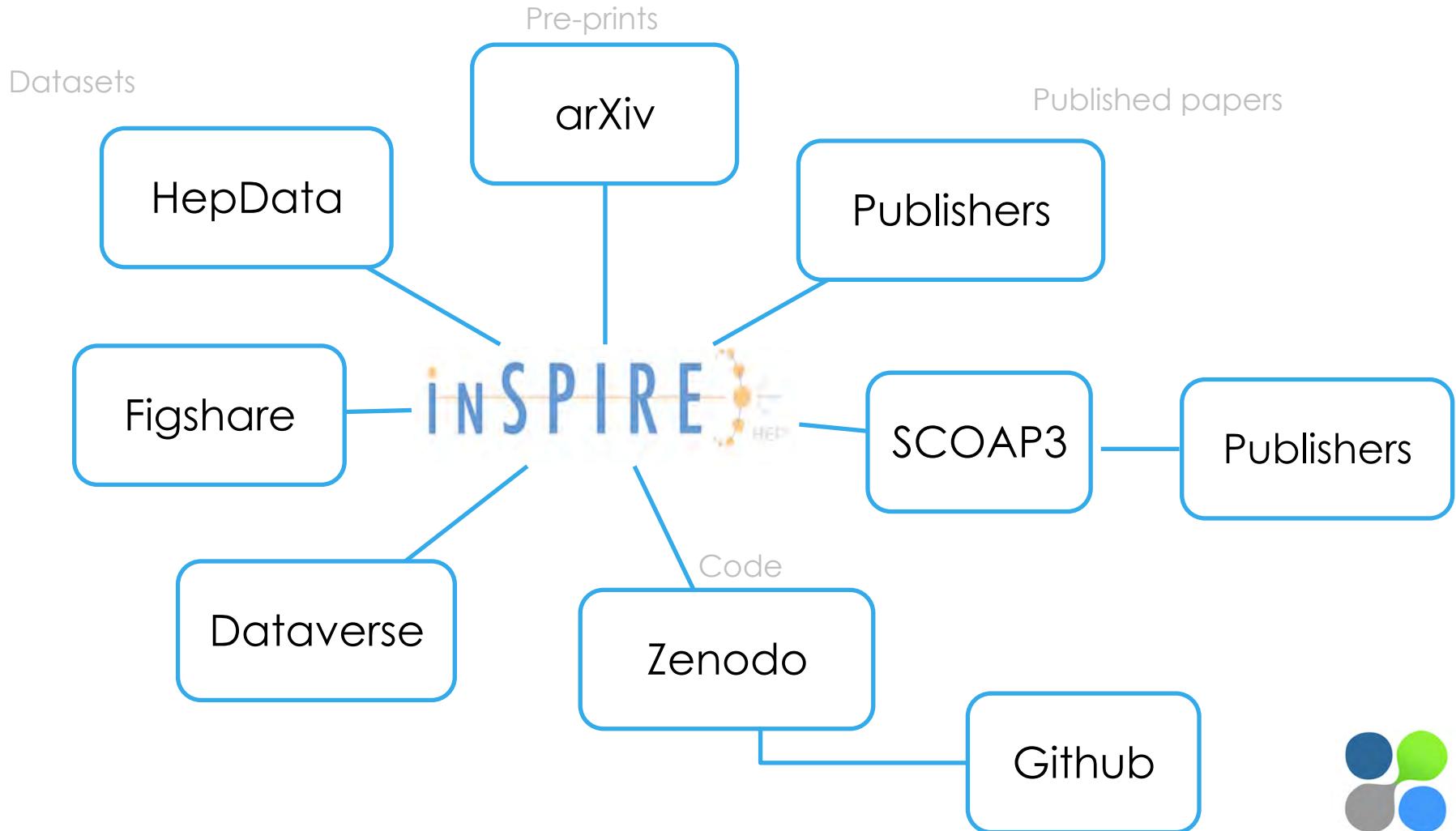
- Based on Invenio
- Digital library in High-Energy Physics
 - And an information hub:
 - Pre-prints
 - Published papers
 - Authors
 - Data
- Some numbers:
 - 1.000.000 publications
 - 100.000 authors
 - 50.000 datasets
 - And institutions, conferences, journals, job offers...



INSPIRE
HEP



What's inside?



Research data (citation)

Four

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[Information](#) [Citations \(4\)](#) [Files](#)

Data from Figure 7 from: Measurements of Higgs boson production and couplings in diboson final states with the ATLAS detector at the LHC

One
ATLAS Collaboration ([Aad, Georges \(Freiburg U\) \[...\]](#)) [Show all 2923 authors](#)

Two
Cite as: ATLAS Collaboration (2013) HepData, <http://doi.org/10.7484/INSPIREHEP.DATA.26B4.TY5F>

Description: -2 log Likelihood for the $H \rightarrow WW^* \rightarrow ll\bar{v}l$ channel in the $(\mu_{ggF+ttH} * B/BSM, \mu_{VBF+VH} * B/BSM)$ plane for a Higgs boson mass $m_H = 125.5$ GeV.

Preview not available

Note: * Temporary entry *

Three
This dataset complements the following publication:
[Measurements of Higgs boson production and couplings in diboson final states with the ATLAS detector at the LHC](#)

Record created 2013-09-11, last modified 2013-12-16



Authors on INSPIRE

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Cranmer, Kyle S.

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[Manage Publications](#)

[Ayuda](#)

PERSONAL INFORMATION

PUBLICATIONS AND OUTPUT

Personal Details (HepNames)

Name Kyle S. Cranmer

Current Institution New York U.

E-mail cranmer@cern.ch

Links <http://physics.as.nyu.edu/people/kylecranmer>
<http://twitter.com/KyleCranmer>
<http://theoryandpractice.org/>

Fields HEP-EX
HEP-PH
PHYSICS

Experiments FNAL-E-0830
CERN-LHC-ATLAS
CERN-LEP-ALEPH
FNAL-TEV-CDF

Identifiers INSPIRE: [INSPIRE-00074922](#)
ARXIV: [ARXIV-CRANMER-K-1](#)
CERN: [CERN-538804](#)
ORCID: [0000-0003-3729-7054](#)
BAI: K.S.Cranmer.1

One

Period Rank Institution
1995 – 1999 UG Rice U.
1999 – 2005 PHD Wisconsin U., Madison
2005 – 2007 PD Brookhaven

Two

Publications Datasets External

- Supplementary Material for "A Novel Approach to Higgs Coupling Measurements"
- decouple software associated to arXiv:1401.0080
- Code associated to "Kernel Estimation in High Energy Physics"
- Data from figure 6 from: Measurement of charged-particle event shape variables in $\sqrt{s} = 7$ TeV proton-proton interactions with the ATLAS detector
- Data from figure 6 from: Measurement of charged-particle event shape variables in $\sqrt{s} = 7$ TeV proton-proton interactions with the ATLAS detector
- Data from figure 5 from: Measurement of charged-particle event shape variables in $\sqrt{s} = 7$ TeV proton-proton interactions with the ATLAS detector
- /record/1289077
- Additional data from: Measurements of $W\gamma$ and $Z\gamma$ production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC
- Additional data from: Measurements of $W\gamma$ and $Z\gamma$ production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC
- Additional data from: Measurements of $W\gamma$ and $Z\gamma$ production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC

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S.L.Wu.1 (9)
B.Vachon.1 (8)
D.Damazio.2 (8)
R.Goncalo.2 (8)
S.H.Robertson.1 (8)
S.J.Hillier.1 (8)
more

Papers

	All papers	Single authored
All papers	446	10
Book	0	0
ConferencePaper	28	8
Introductory	0	0
Lectures	0	0
Published	366	2
Review	5	0
Thesis	1	1
Proceedings	1	0

Three

Citations Summary

446 papers found, 436 of them citeable (published or arXiv)

Citeable papers Published only

Number of papers analyzed:	436	366
Number of citations:	31380	29280
Citations per paper (average):	71	80
h_{HEP} index [?]	77	76

Breakdown of papers by citations:

	Citeable papers	Published only
Renowned papers (500+)	7	6
Famous papers (250-499)	10	10
Very well-known papers (100-249)	39	37
Well-known papers (50-99)	82	82
Known papers (10-49)	200	190
Less known papers (1-9)	68	38
Unknown papers (0)	30	3

Warning: The citations count should be interpreted with great care.
[Read the fine print](#)

Kyle Cranmer**ID** <http://orcid.org/0000-0003-5769-7094>**Keywords:** physics**Websites:**theoryandpractice.org**Personal information****Biography**

Kyle Cranmer is an Associate Professor of Physics at New York University's Center for Data Science. He is an experimental particle physicist at the Large Hadron Collider, based in Geneva, Switzerland. Professor Cranmer received his PhD from the University of Wisconsin-Madison in 2005 and his B.A. in Mathematics in 2007, he was awarded the Presidential Early Career Award for Science and Engineering by George W. Bush via the Department of Energy's Office of Science and the National Science Foundation's Career Award. Professor Cranmer developed statistical modeling, which was used extensively for the discovery of the Higgs boson at the Large Hadron Collider.

Education

University of Wisconsin Madison (2000 to 2005)
PhD

Rice University (1995-09 to 1999-05)
B.A.

Employment

New York University (2007-09 to present)
Associate Professor

Works**One**

Data from Figure 1 from Measurements of Higgs boson production and couplings to diboson final states with the ATLAS detector at the LHC 2013-09

Very soon... !**ORCID**

This profile is already connected to the following ORCID: [0000-0003-0762-2235](http://orcid.org/0000-0003-0762-2235)

[Push my INSPIRE claimed publications to ORCID](#) ?

LINK WORKS

X

Australian National Data Service (ANDS) Registry

Import your research datasets into ORCID from Australian National Data Service (ANDS) and Research Data Australia (RDA). ANDS is partnering with Australian research institutions and data producing agencies to improve discovery and reusability of research data across many research domains from earth science to technology and engineering.

CrossRef Metadata Search

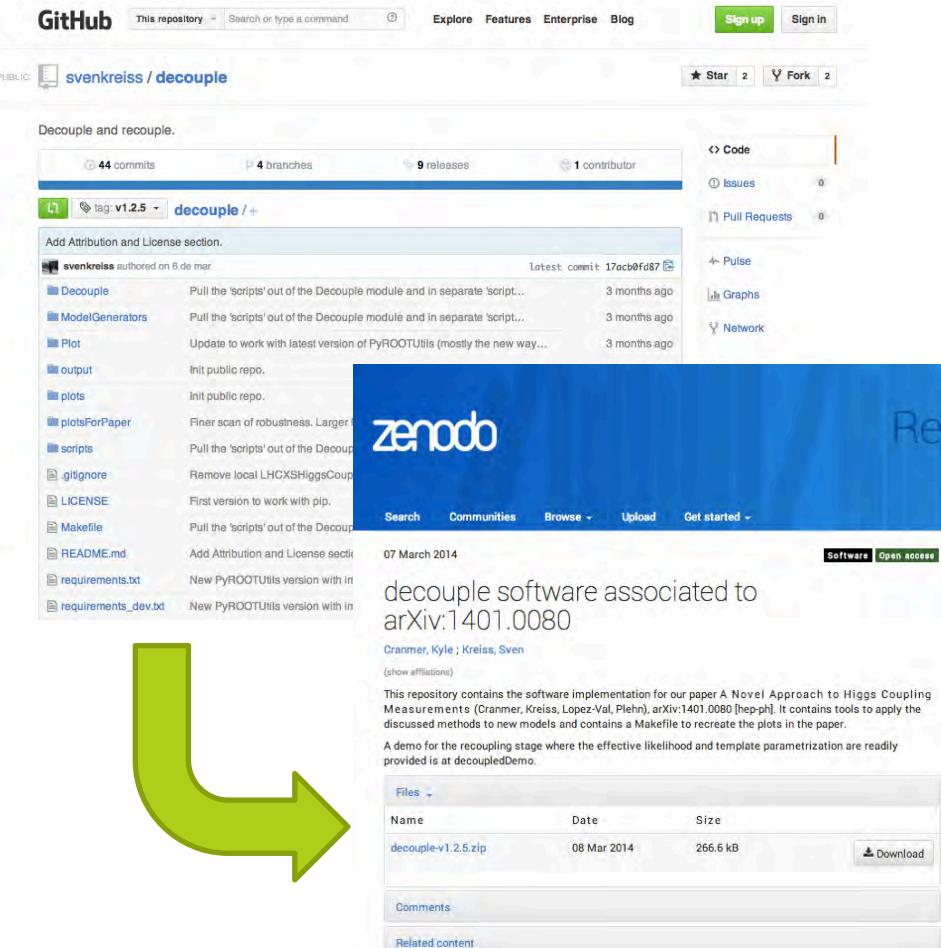
Search CrossRef's comprehensive metadata on journal articles, conference proceedings and monographs. Easily add search results to your ORCID profile.

INSPIRE-HEP author profiles

Link your ORCID profile with the INSPIRE-HEP portal to import your claimed publications and datasets in High-Energy Physics.



And a bit more complex...



GitHub This repository Search or type a command Explore Features Enterprise Blog Sign up Sign in PUBLIC svenkreiss / decouple Star 2 Fork 2 ★ Star 44 commits 4 branches 9 releases 1 contributor tag v1.2.5 decouple / + Add Attribution and License section. svenkreiss authored on 6 de mar latest commit 17acb0fd87 ↗ Decouple Pull the 'scripts' out of the Decouple module and in separate 'script...' 3 months ago ModelGenerators Pull the 'scripts' out of the Decouple module and in separate 'script...' 3 months ago Plot Update to work with latest version of PyROOTUtils (mostly the new way...) 3 months ago output Init public repo. plots Init public repo. plotsForPaper Finer scan of robustness. Larger plots. scripts Pull the 'scripts' out of the Decouple module. .gitignore Remove local LHCHiggsCoupling LICENSE First version to work with pip. Makefile Pull the 'scripts' out of the Decouple module. README.md Add Attribution and License section requirements.txt New PyROOTUtils version with in requirements_dev.txt New PyROOTUtils version with in 07 March 2014 Software Open access

zenodo

decouple software associated to arXiv:1401.0080

Crammer, Kyle; Kreiss, Sven (New York University)

Cite as: (2013) Zenodo, <http://doi.org/10.5281/zenodo.8475>

Description:

This repository contains the software implementation for our paper **A Novel Approach to Higgs Coupling Measurements** (Crammer, Kreiss, Lopez-Val, Plehn), arXiv:1401.0080 [hep-ph]. It contains tools to apply the discussed methods to new models and contains a Makefile to recreate the plots in the paper.

A demo for the recoupling stage where the effective likelihood and template parametrization are readily provided is at decoupledDemo.

This dataset complements the following publication:
[A Novel Approach to Higgs Coupling Measurements](#)

Record created 2014-03-07, last modified 2014-03-12

Link to Zenodo Link to GitHub Export BibTeX, EndNote, LaTeX(US), LaTeX(EU), Harvmac, MARC, MARCXML, NLM, DC



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Information Citations (0) decouple software associated to arXiv:1401.0080

Crammer, Kyle; Kreiss, Sven (New York University)

Cite as: (2013) Zenodo, <http://doi.org/10.5281/zenodo.8475>

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Record created 2014-03-07, last modified 2014-03-12

Available in GitHub Available in INSPIRE

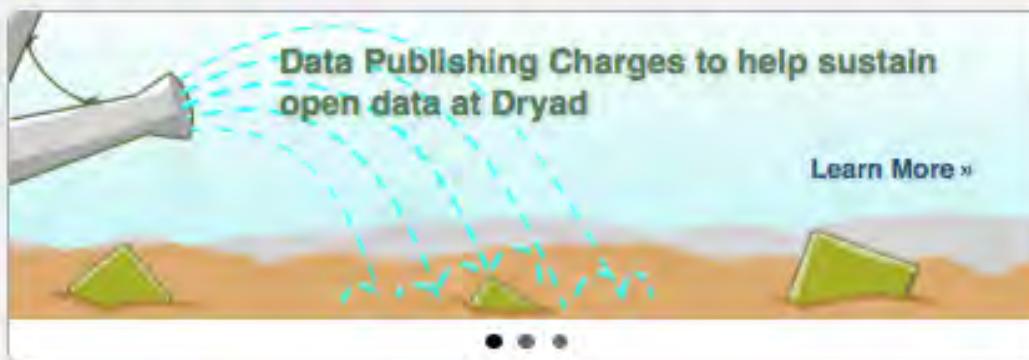
Publication date: 07 March 2014 DOI: DOI 10.5281/zenodo.8475 Keywords(s): Higgs theoretical uncertainty statistics combination





Identifiers and Interoperability: Dryad Perspective

Ryan Scherle
Dryad Digital Repository



Browse for data

[Recently published](#)[Popular](#)[By Author](#)[By Journal](#)

Recently Published Data

Phadke S, Zufall R, Paixao T, Pham S, Pham T (2013) Data from: Genetic background alters dominance relationships between mat alleles in the ciliate *Tetrahymena thermophila*. *Journal of Heredity* doi:[10.5061/dryad.qv731](https://doi.org/10.5061/dryad.qv731)

Chiu C, Jost L, Chao A (2013) Data from: Phylogenetic beta diversity, similarity, and differentiation measures based on Hill numbers. *Ecological Monographs* doi:[10.5061/dryad.vr4k2](https://doi.org/10.5061/dryad.vr4k2)

Salgado-Salazar C, Rossman AY, Chaverri P (2013) Data from: Not as ubiquitous as we thought: taxonomic crypsis, hidden diversity and cryptic speciation in the cosmopolitan fungus *Thelonectria discophora* (Nectriaceae, Hypocreales, Ascomycota). *PLoS ONE* doi:[10.5061/dryad.q3s66](https://doi.org/10.5061/dryad.q3s66)

Morgan EMJ, Green BS, Murphy NP, Strugnell JM (2013) Data from: Investigation of genetic structure between deep and shallow populations of the southern rock lobster, *Jasus edwardsii* in Tasmania, Australia. *PLoS ONE* doi:[10.5061/dryad.656gf](https://doi.org/10.5061/dryad.656gf)

Robinson BW (2013) Data from: Evolution of growth by genetic accommodation in Icelandic freshwater stickleback. *Proceedings of the Royal Society B*

[Submit data now](#)[How and why?](#)

Search for data

 Enter keyword, author, title, DOI, etc.[Go](#)[Advanced search](#)

Be part of Dryad



Publishers, societies, universities, libraries, funders, and other stakeholder organizations are invited to become [members](#). Tap into an active knowledge-sharing network, receive discounts on submission fees, and help shape Dryad's future.

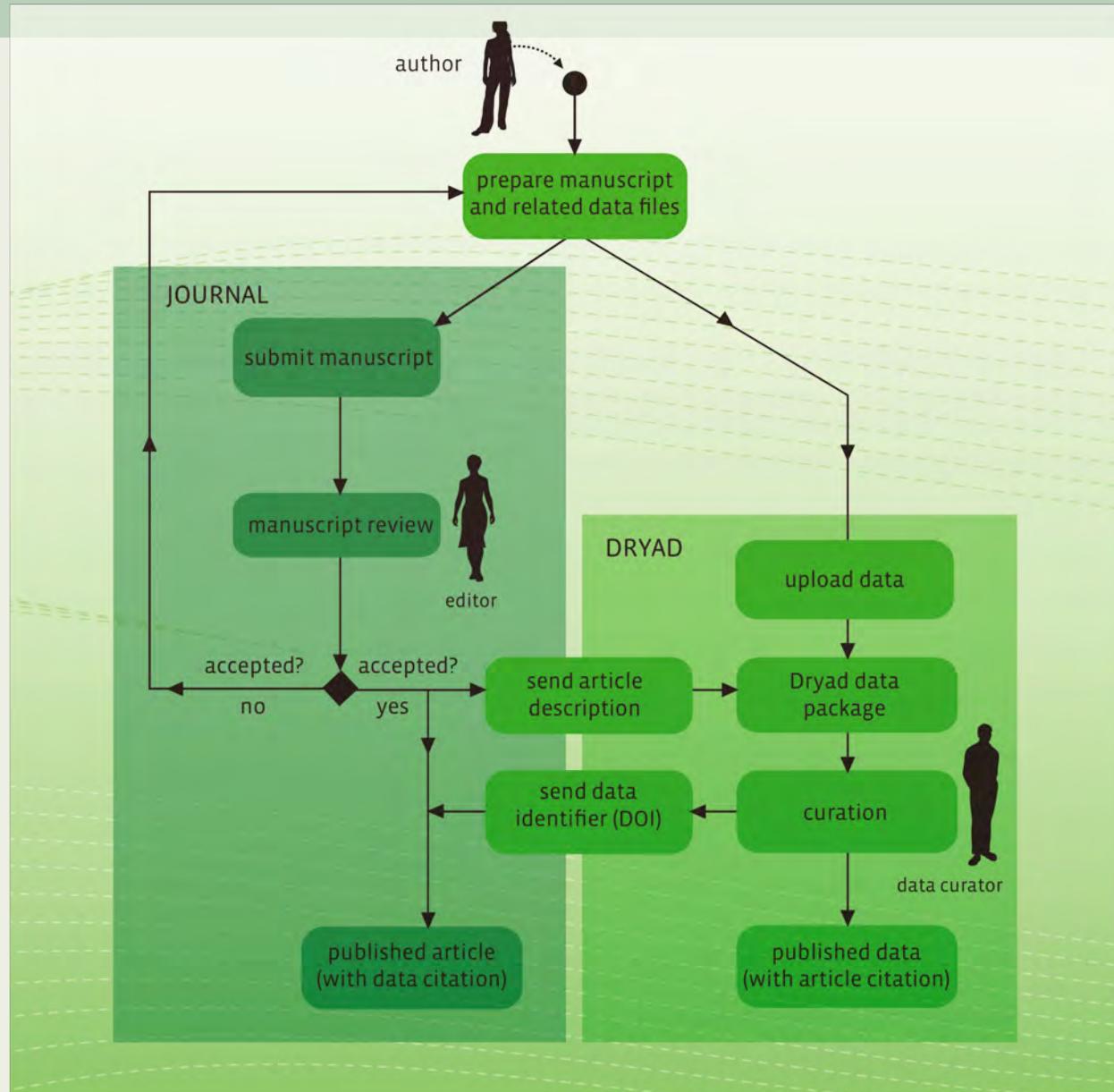
[Submission integration](#) is a free service that allows publishers to coordinate manuscript and data submissions. It makes submitting data easy for researchers; makes linking articles and data easy for journals; and enables confidential review of data prior to publication.



Submission fees support the cost of keeping Dryad's content free to use. Flexible [pricing plans](#) provide volume discounts.



Integrated article/data submission





Encouraging citations

When using this data, please cite the original article:

Levy J, Foulsham T, Kingstone A (2012) Monsters are people too. *Biology Letters* 9(1): 20120850. [doi:10.1098/rsbl.2012.0850](https://doi.org/10.1098/rsbl.2012.0850)

Additionally, please cite the Dryad data package:

Levy J, Foulsham T, Kingstone A (2012) Data from: Monsters are people too. Dryad Digital Repository. [doi:10.5061/dryad.4rk06](https://doi.org/10.5061/dryad.4rk06)

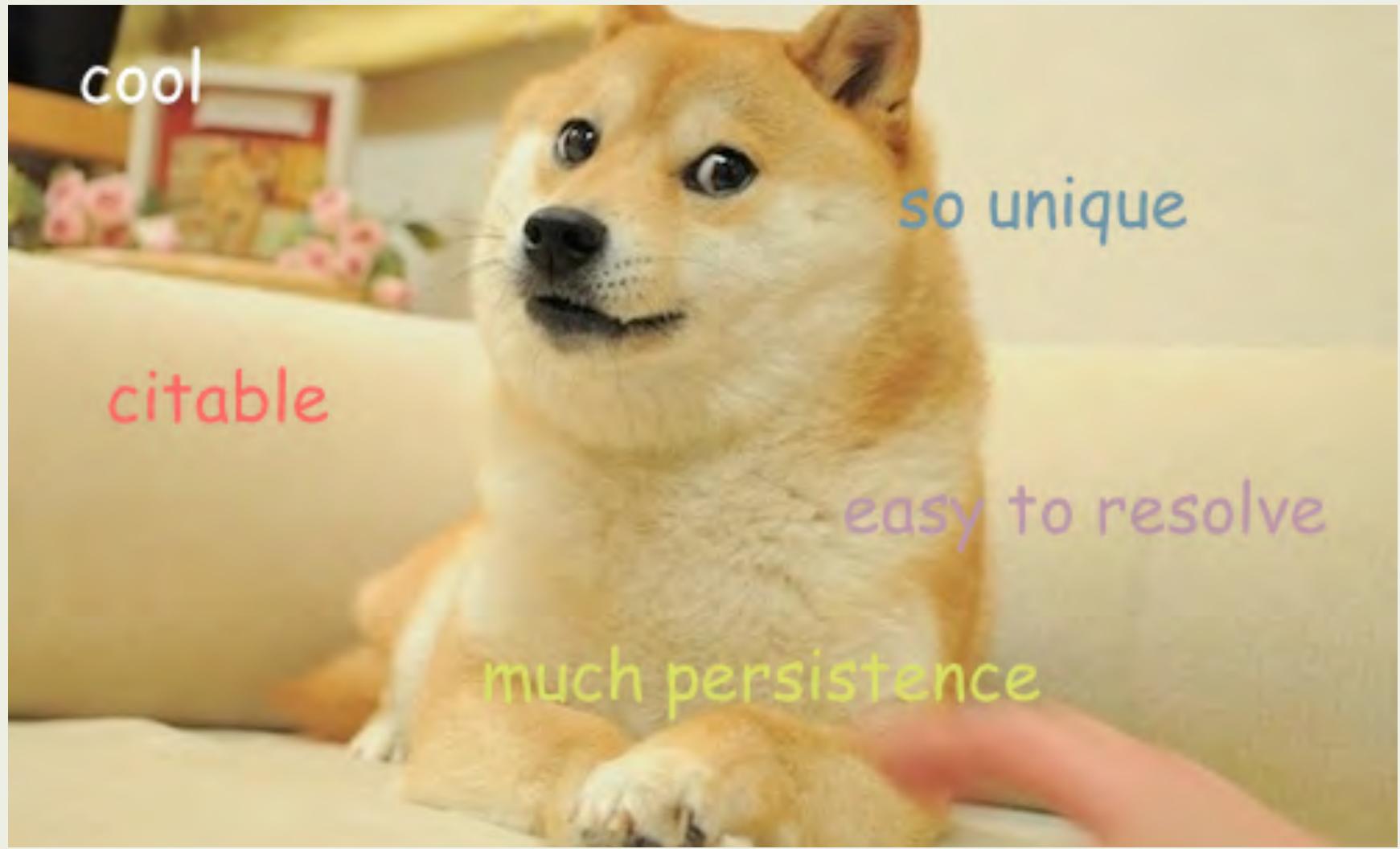
[Cite](#) | [Share](#)



Principles of Citable Identifiers

- Use DOIs
- Keep identifiers simple
- Use syntax to illustrate relationships
- Create new identifiers when (and only when) the meaning of the content changes

From: Creating Citable Data Identifiers. Ryan Scherle and Mark Diggory. Open Repositories 2012.





Opportunities

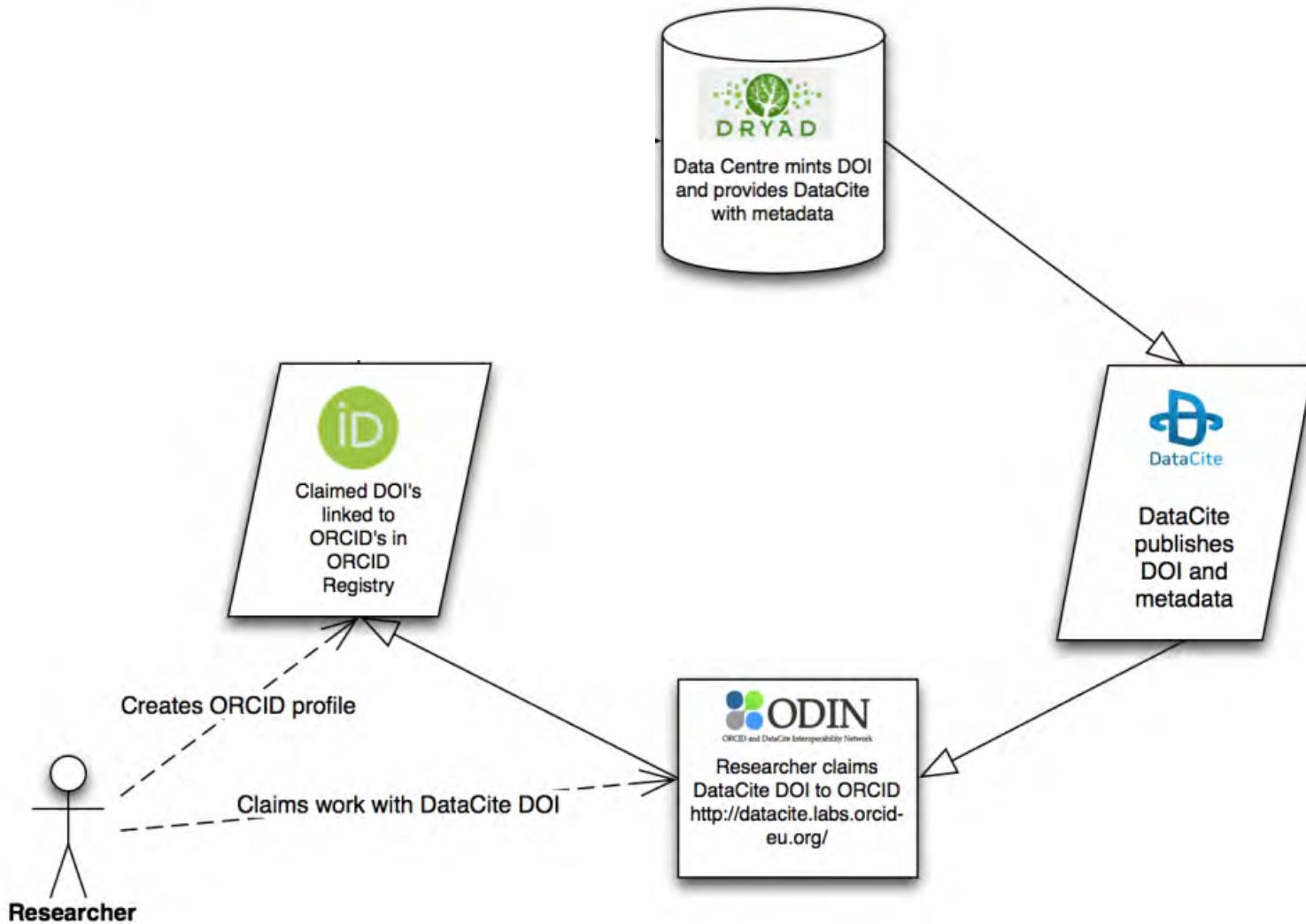
DataCite DOIs

- Leverage central infrastructure to distribute and transform metadata

ORCIDs

- Reduce ambiguity
- Permissions
- Add “missing” metadata

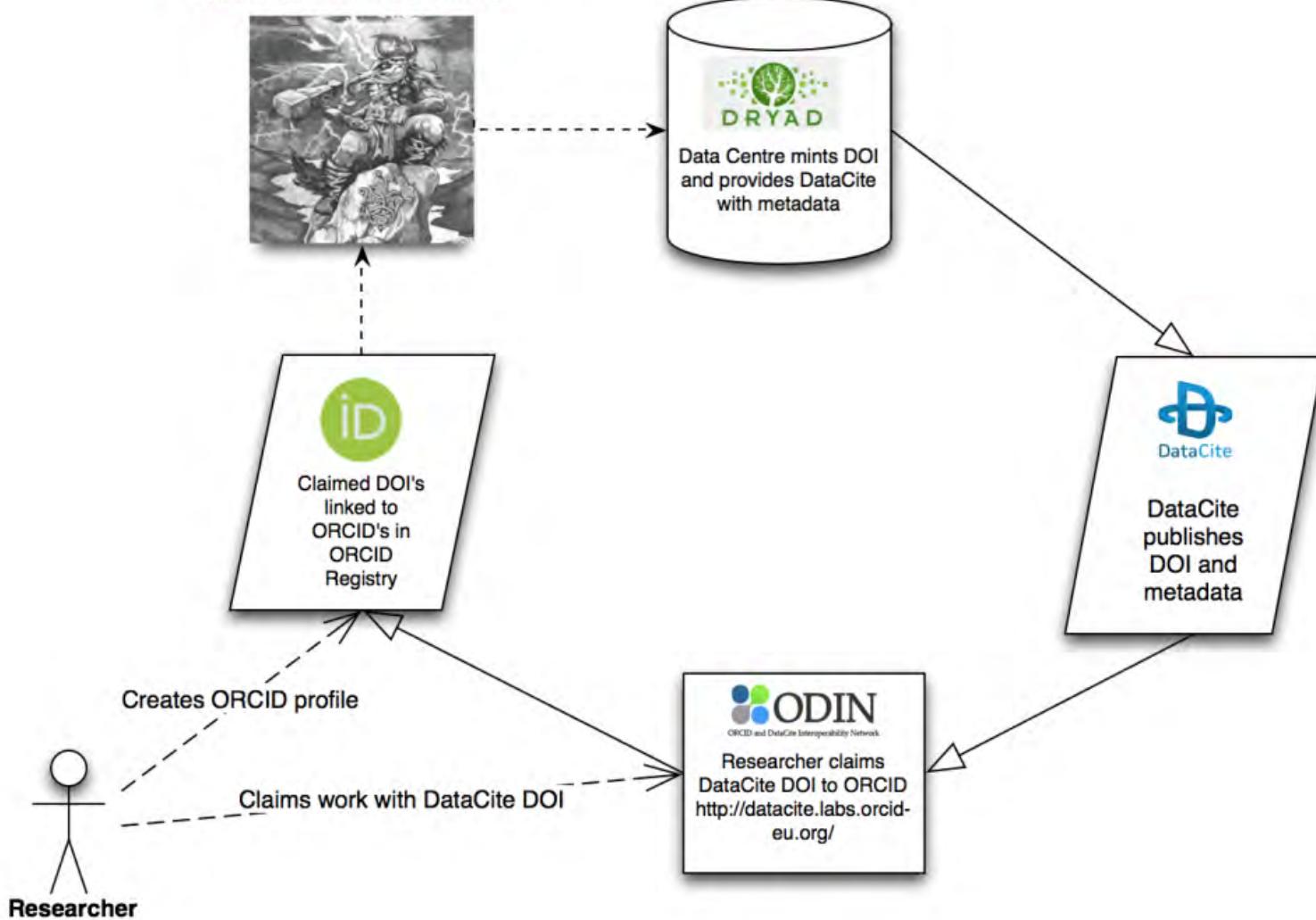
ODIN's HAMR



ODIN's HAMR



ODIN's HAMR provides ORCID claims data for Data Centres



Challenges



DOI metadata requirements vs privacy



Challenges

DOI metadata requirements vs privacy

Identifier: doi:10.5061/DRYAD.PK85D [Get link](#)

About the identified object

Location (URL): <http://datadryad.org/publicationBlackout>

Creators: (:tba)

Title: Dryad Item 10.5061/DRYAD.PK85D

Publisher: Dryad Digital Repository

Publication year: 9999

Subjects: (:tba)

Resource type: Dataset/DataPackage

Related identifiers: 10.5061/DRYAD.PK85D/1 [DOI] [HasPart]

Challenges



Prioritizing tool development for identifiers

Challenges



Prioritizing tool development for identifiers





Challenges

Levels of assurance – when using ORCIDs for permissions



Challenges

Levels of assurance – when using ORCIDs for permissions

ADD WORK

Work category: Publication * Role: Author

Work type: Book * Credited: First

Title: Harry Potter and the Deathly Hallows *

Who can see this?

OTHER WORK IDENTIFIERS

Identifier type:



Challenges

Identifiers and content mutability

Challenges

Identifiers and content mutability



Challenges

Identifiers and content mutability



Challenges & Opportunities

- ❑ Confusion – between identifiers & services
- ❑ Tension between data needs and privacy concerns
- ❑ Identifier not enough – prioritizing tool development
- ❑ Levels of assurance of identifier & relationships
- ❑ Resolvability – of identifiers; consistency in metadata & APIs