



PIDコミュニティの拡大： チャレンジと新たなイニシアチブ

28 May 2019

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 @NobukoMiyairi

G5

研究ワークフローにおけるPIDの活用

Utilizing PID in the research workflow

自己紹介

1991-1999	東京外国語大学附属図書館
2000-2002	ハワイ大学マノア校図書館情報学修士
2003-2012	Thomson Reuters (現Clarivate Analytics)
2012-2015	Nature Publishing Group (現Springer Nature)
2015-2018.4	ORCID, Inc. (APAC Regional Director)
2018.5-	学術情報コンサルタント (フリーランス) Paper Digest (Strategic Adviser)
2019.1-	World Data System (Communications Officer)
2019.4-	筑波大学 (非常勤講師)

はじめに

- 本講演は、2019年1月に開催されたPIDapalooza2019で行われた各発表から、特徴的なものを一部まとめたものです。



- 本講演で述べる意見や見解は個人的なものであって、現在または過去に所属した／している組織の意向を反映したものではありません。
- 本講演で言及するサービス等は、決して網羅的なものではなく、あくまでも選択的に事例として紹介しています。

PIDapalooza will bring together creators and users of persistent identifiers (PIDs) from around the world to shape the future research information landscape.

PIDapalooza

Reykjavik, Nov 2016

CALL FOR PROPOSALS OPEN!

Martin Fisch - *The audience is shaking*



Crossref



DataCite

ORCID



University of California

CDL

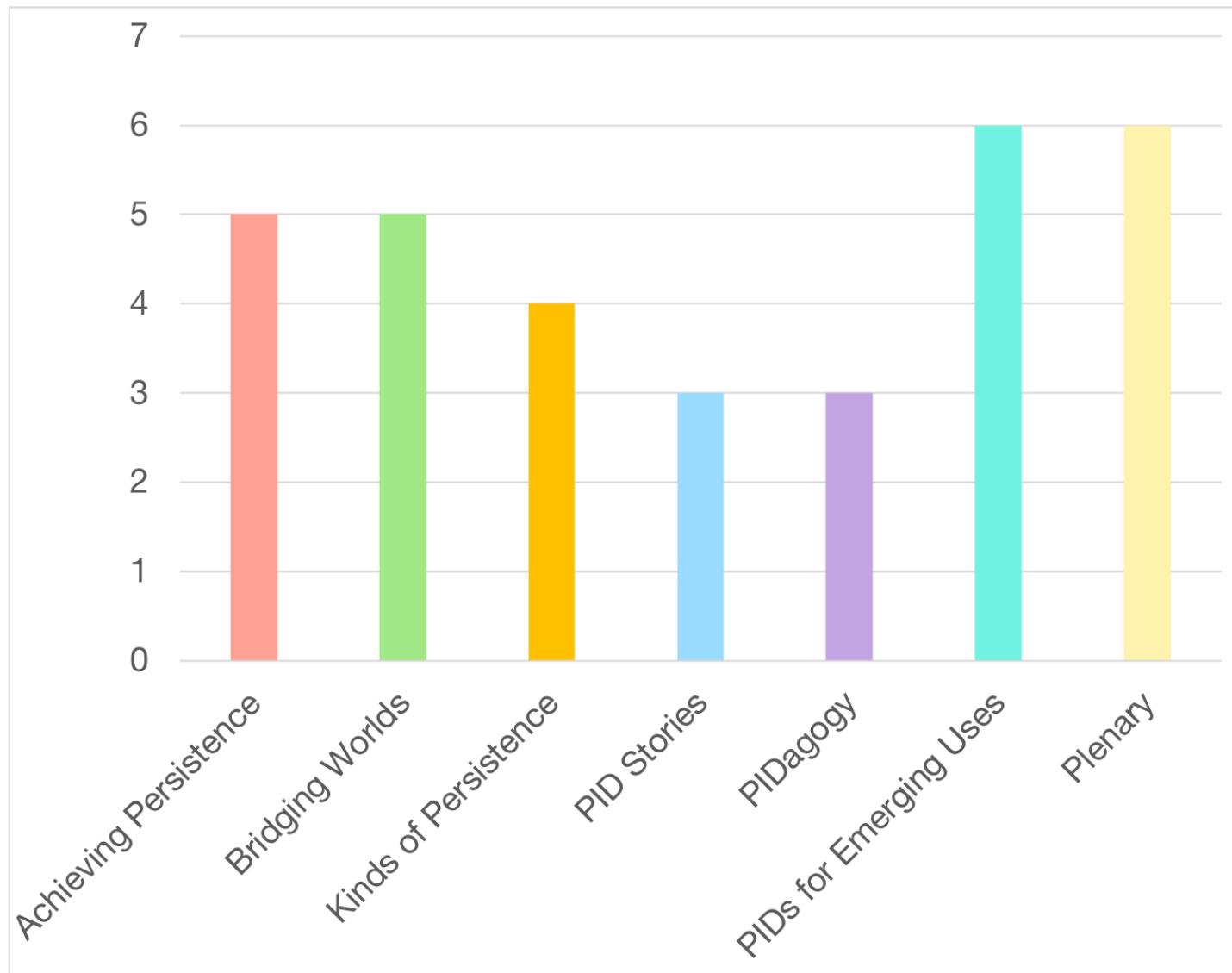
California Digital Library

Conference website: <https://pidapalooza.org>

Presentations repository: <https://pidapalooza.figshare.com/>

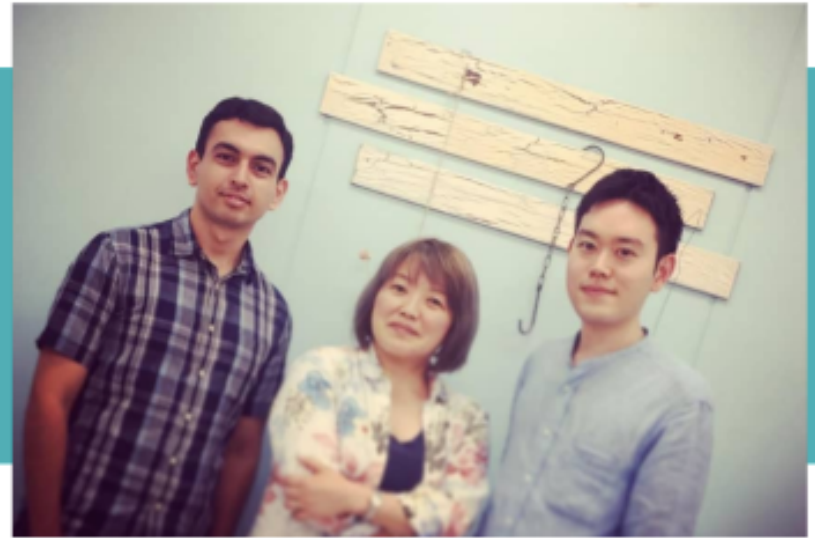
<https://zenodo.org/communities/pidapalooza19/>

- PIDapalooza2019では、昨年まで中心だったPID提供者とその周辺からの参加者よりも、PIDの利用者（機関）やPIDを活用したサービス事業者などの参加が多く、コミュニティの広がりが見られた。



Suze Kundu. (2019, February). PIDapalooza 2019 wrap-up. Zenodo.
<http://doi.org/10.5281/zenodo.2556627>

AI-based article summarization to learn more in less time



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Takano, Yasutomo; Mejia, Cristian; Miyairi, Nobuko (2019): Paper Digest: AI-based article summarization to learn more in less time. figshare. Presentation.
<https://doi.org/10.6084/m9.figshare.8216534.v1>

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Digest

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Digested in 10 sec!

Are university rankings useful to improve research? A systematic review

Vincent, Erika; Moroni, Paolo (2018)
<https://doi.org/10.1371/journal.pone.0193762>

What this paper is about

Introduction and Objective

- Considering the significance of university innovation, there is a pressing need for outcome studies and quality improvement initiatives in the research enterprise.
- Research quality issues exist within university research; in the last 10 years, several studies and commentaries have highlighted the need for improvement in transparency, replicability, and meaningful research outcome reporting.
- Assessment of the validity of research and academic quality indicators in university rankings is often unexplored; only once in the literature were two ranking systems so evaluated.

What you can learn

Results

- Excluded ranking systems were either no longer being published, did not include research performance indicators, or did not publish ranking methodologies.
- While the US News and World Report ranking of American universities was not eligible due to a lack of research performance indicators, the US News and World Report Global Ranking is included.
- Tables and list the indicators utilized by the ranking systems to evaluate research performance or quality.

Discussion and Conclusions

- In our sample, eight of the thirteen systems include indicators to measure academic quality.
- Many ranking systems are marketed either for academic choice/comparison, yet these indicators do not sufficiently reflect the teaching and learning environments of students.
- Consultation with ranking system developers and research administrators has provided support for the included list.
- There is a need for a credible quality improvement movement in research that develops new measures, and is useful for institutions to evaluate and improve performance and societal value.
- Quality over quantity should be emphasized to affirm research performance improvement initiatives and outcomes, which benefit society through scientific discovery, economic outcomes, and public health impact.
- We suggest that future research evaluate three dimensions of research outcomes: scientific impact, economic outcomes, and public health impact for evaluating research performance within an academic institutional environment.

Takano, Yasutomo; Mejia, Cristian; Miyairi, Nobuko (2019): Paper Digest: AI-based article summarization to learn more in less time. figshare. Presentation.
<https://doi.org/10.6084/m9.figshare.8216534.v1>

- これまでの「永続性」と「レゾリューション」、また「何に」「どうやって」PIDを付与するか、という議論からさらに進んで、「機械可読性」や、実際のサービス・ワークフローの中でのPIDの利用とチャレンジについての検討と報告が目立った。

FREE to READ

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Researcher can build new tools
that can interact with articles
and uncover new relationships.



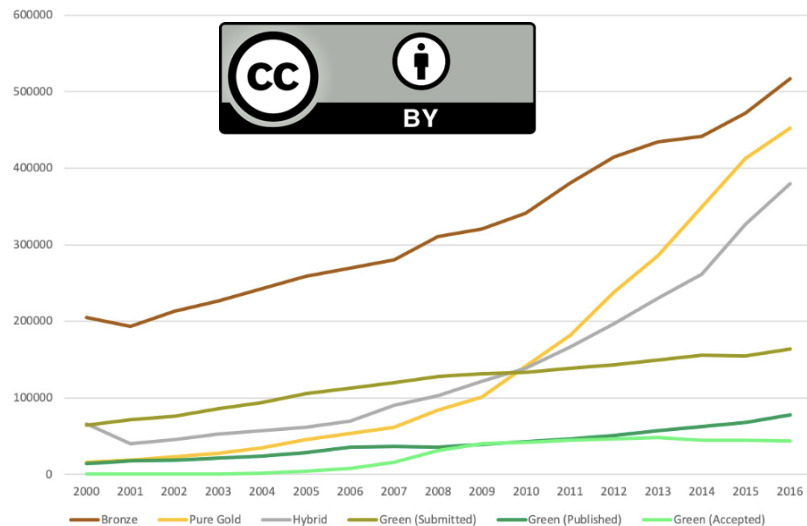
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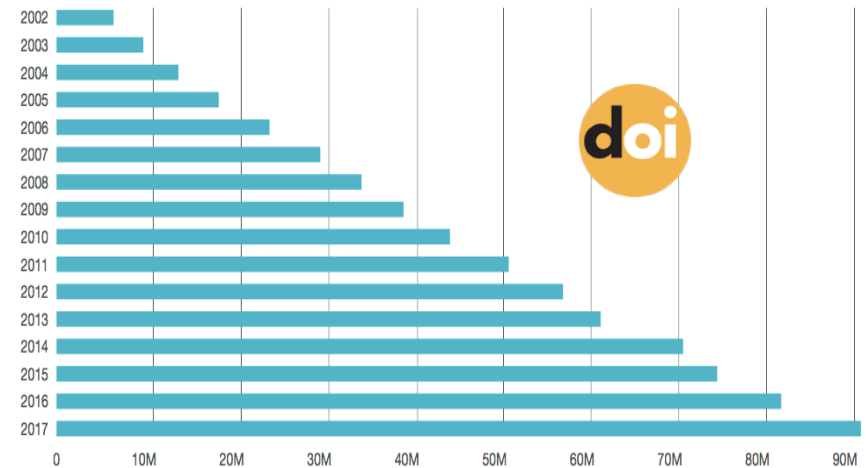
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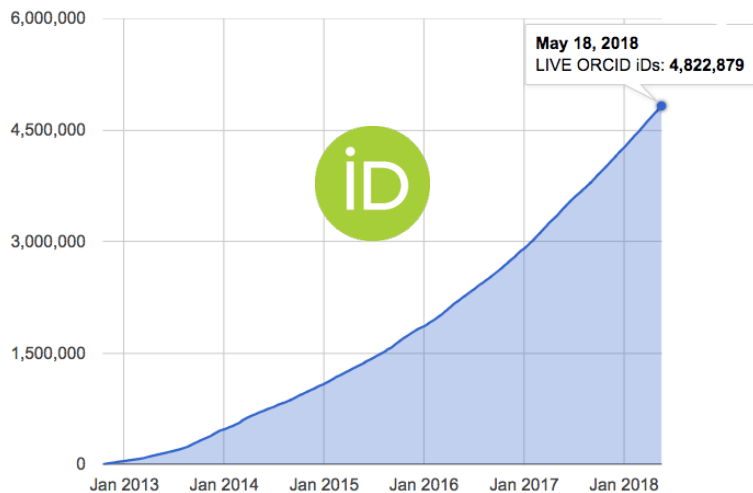
The Ascent of Open Access

<https://doi.org/10.6084/m9.figshare.7618751.v2>



Crossref. 2016-17 annual report.

<https://www.crossref.org/pdfs/annual-report-2016.pdf>



ORCID live IDs

<https://support.orcid.org/knowledgebase/articles/150557-number-of-orcid-ids>



Cobaltmetrics

Web-scale PID-centric altmetrics



Luc Boruta, Casey Scott McKay, and Damien Vannson — Thunken Inc.
luc@thunken.com — @thunkenizer
PIDapalooza, Dublin, 2019/01/24

Boruta, Luc, McKay, Casey Scott, & Vannson. (2019, January). Cobaltmetrics: Web-scale PID-centric Altmetrics. Zenodo.

<http://doi.org/10.5281/zenodo.2548719>

Unresolvers are the new resolvers

doi:10.1073/pnas.0707060104



<https://doi.org/10.1073/pnas.0707060104>



<https://www.pnas.org/content/104/43/17075>

<https://www.pnas.org/content/104/43/17075/tab-figures-data>

<https://www.pnas.org/content/pnas/104/43/17075.full.pdf>

<hTtPs://WwW.pNaS.oRg:443/CoNtEnT/104/43/17075>



Silly Humans, Metadata is for Machines!

How and Why We need to Fix This!

Alison McGonagle-O'Connell

Rob Peters

Will Simpson

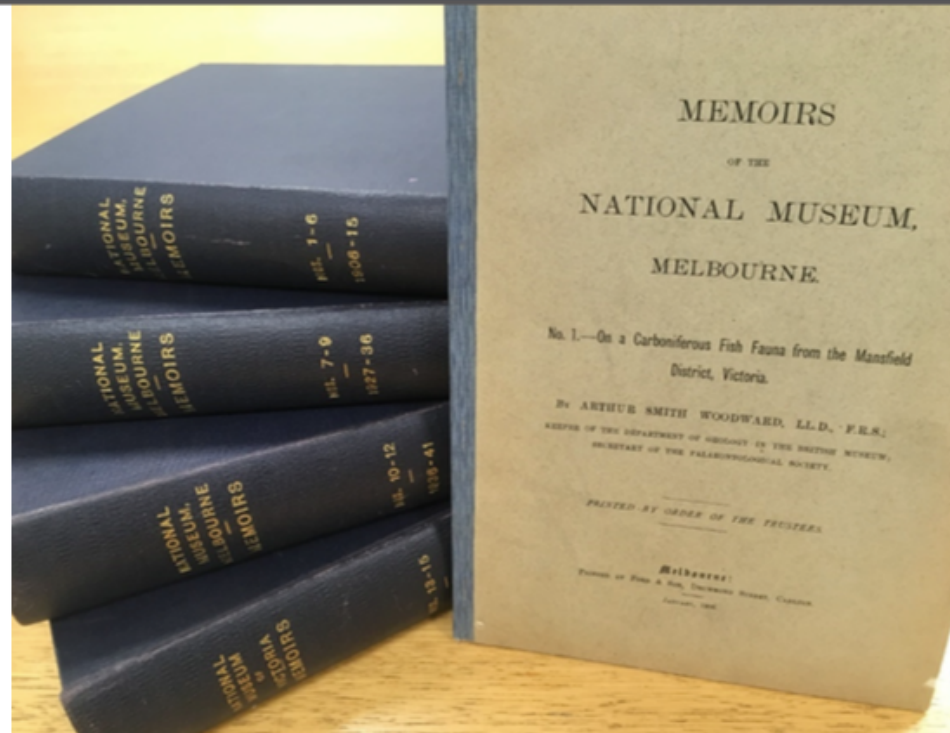
Heather Staines

What are we 'DOl'ng about the out-of-copyright literature?

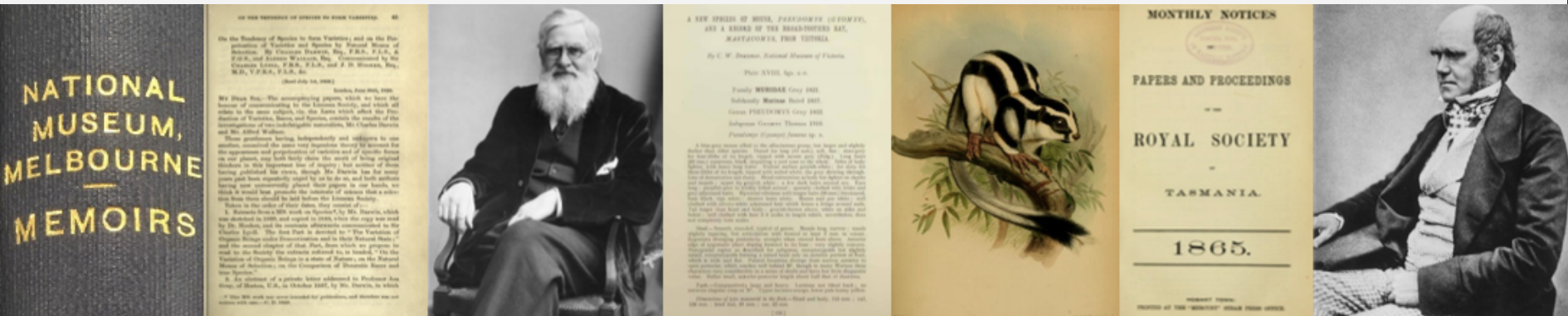
Nicole Kearney

Biodiversity Heritage Library Australia
Museums Victoria

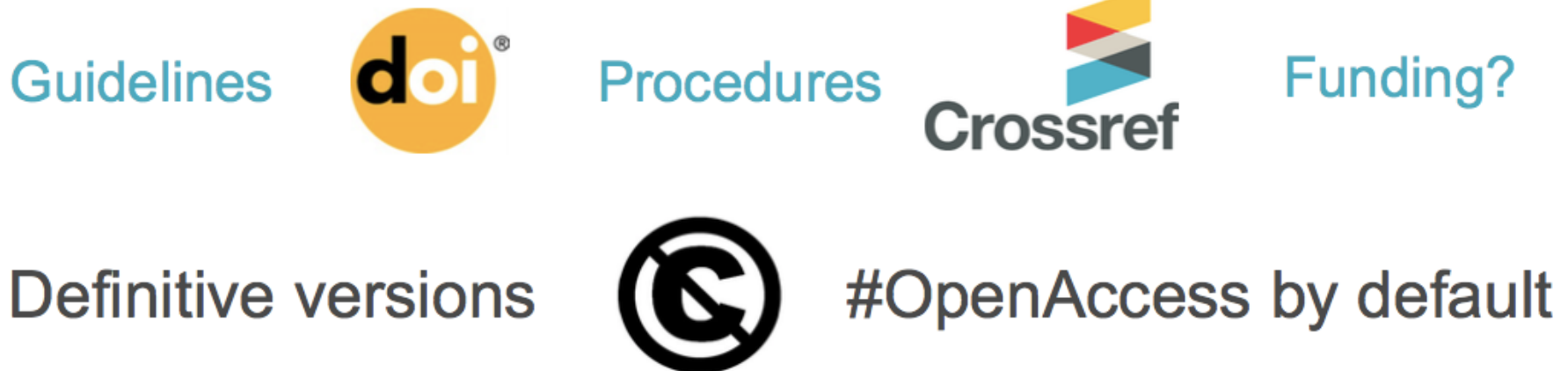
 @nicolekearney



Kearney, Nicole. (2019, January). What are we DOl'ng about the out-of-copyright literature?. Zenodo. <http://doi.org/10.5281/zenodo.2547570>



Retrospectively assigning DOIs to legacy content?

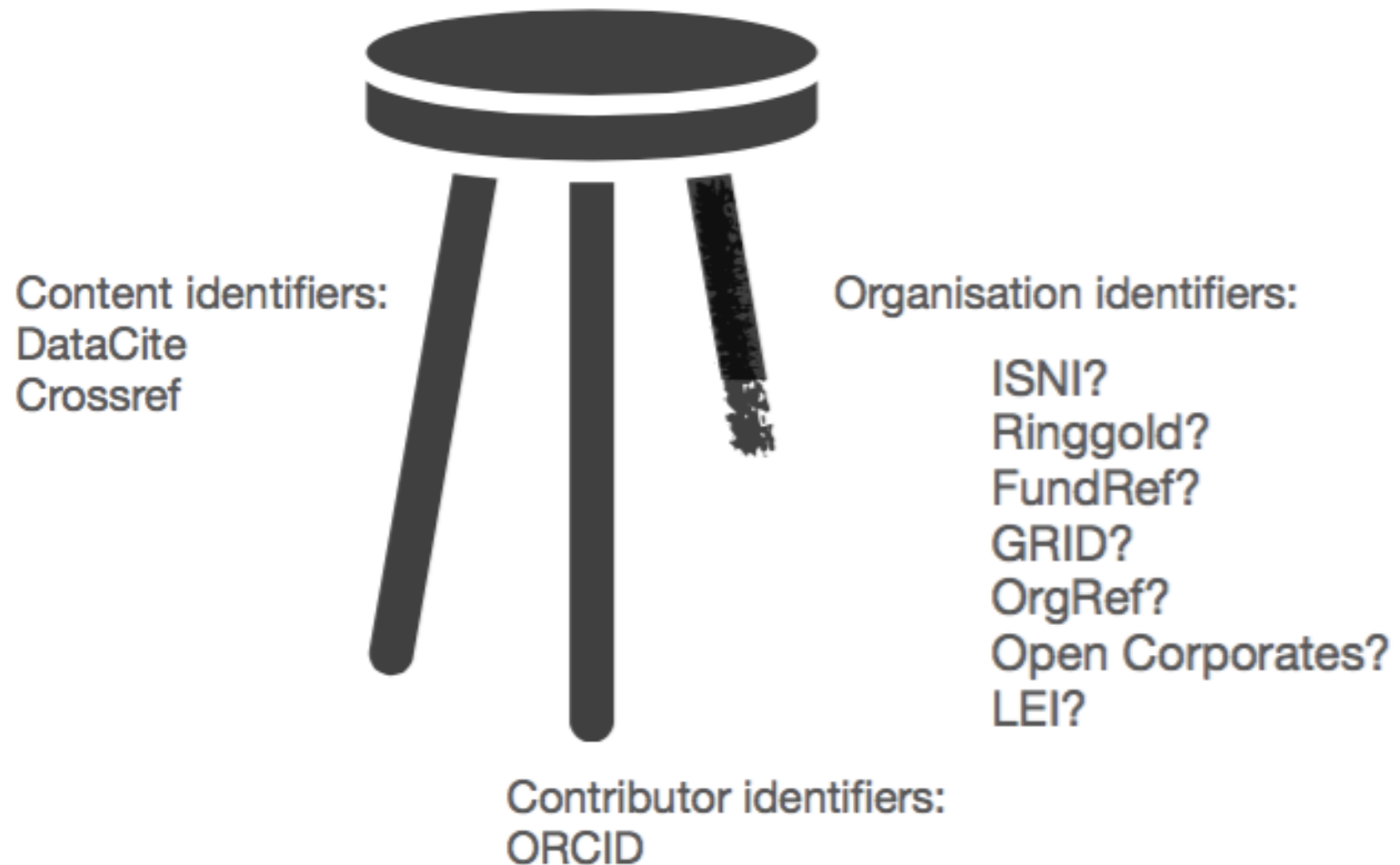


Kearney, Nicole. (2019, January). What are we DOIing about the out-of-copyright literature?. Zenodo. <http://doi.org/10.5281/zenodo.2547570>

- 新しいイニシアチブ、特にROR (<https://ror.org/>)やFREYA (<https://www.project-freya.eu/en>)、PIDforum (<https://pidforum.org/>) などについて、今後への期待を込めたディスカッションやコメントが相次いだ。

Things – DOI
People – ORCID
Organizations - ???

Organization ID?



Adapted from: Geoffrey Bilder. The OI Project.

<https://www.slideshare.net/CrossRef/the-oi-project-geoffrey-bilder>

 <https://ror.org/04ksd4g47>

National Institute of Informatics

KOKURITSU JŌHŌGAKU KENKYŪJO, NII, 国立情報学研究所

WEBSITE

<http://www.nii.ac.jp/en>

OTHER IDENTIFIERS

GRID [grid.250343.3](#)

ISNI [0000000110185342](#)

Wikidata [Q4346622](#)

JAPAN

FACILITY

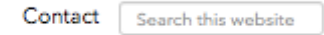
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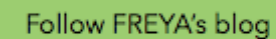
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NEWS & BLOG

Connected Open Identifiers for Discovery, Access and Use of Research Resources





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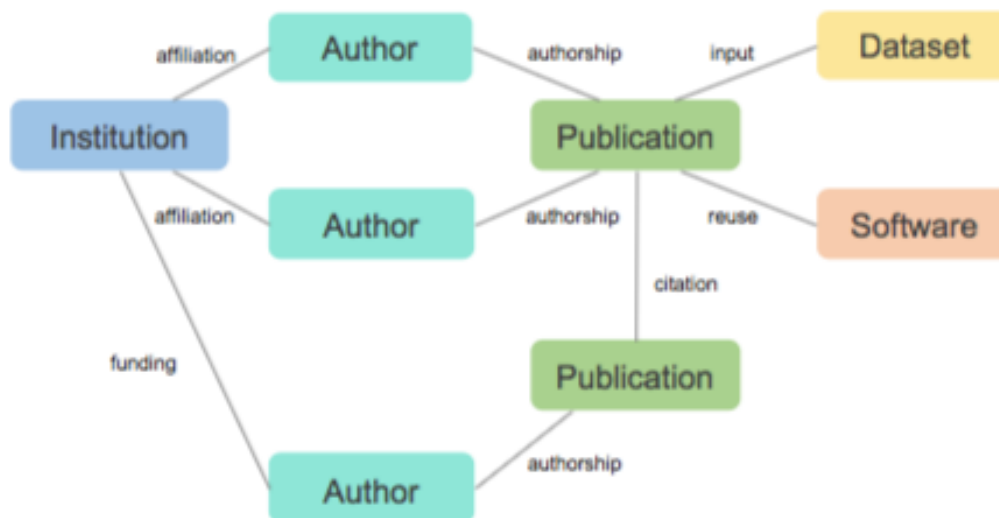
RESOURCES

NEWS & BLOG



FREYA is a 3-year project funded by the European Commission under the Horizon 2020 programme. The project aims to extend the infrastructure for persistent identifiers (PIDs) as a core component of open research, in the EU and globally. FREYA will improve discovery, navigation, retrieval, and access to research resources. New provenance services will enable researchers to better evaluate data and make the scientific record more complete, reliable, and traceable. By engaging with the global community through the [Research Data Alliance](#) (RDA) and other research infrastructures, we work together to realise the vision of fully accessible data. FREYA follows on from the successful [THOR](#) project.

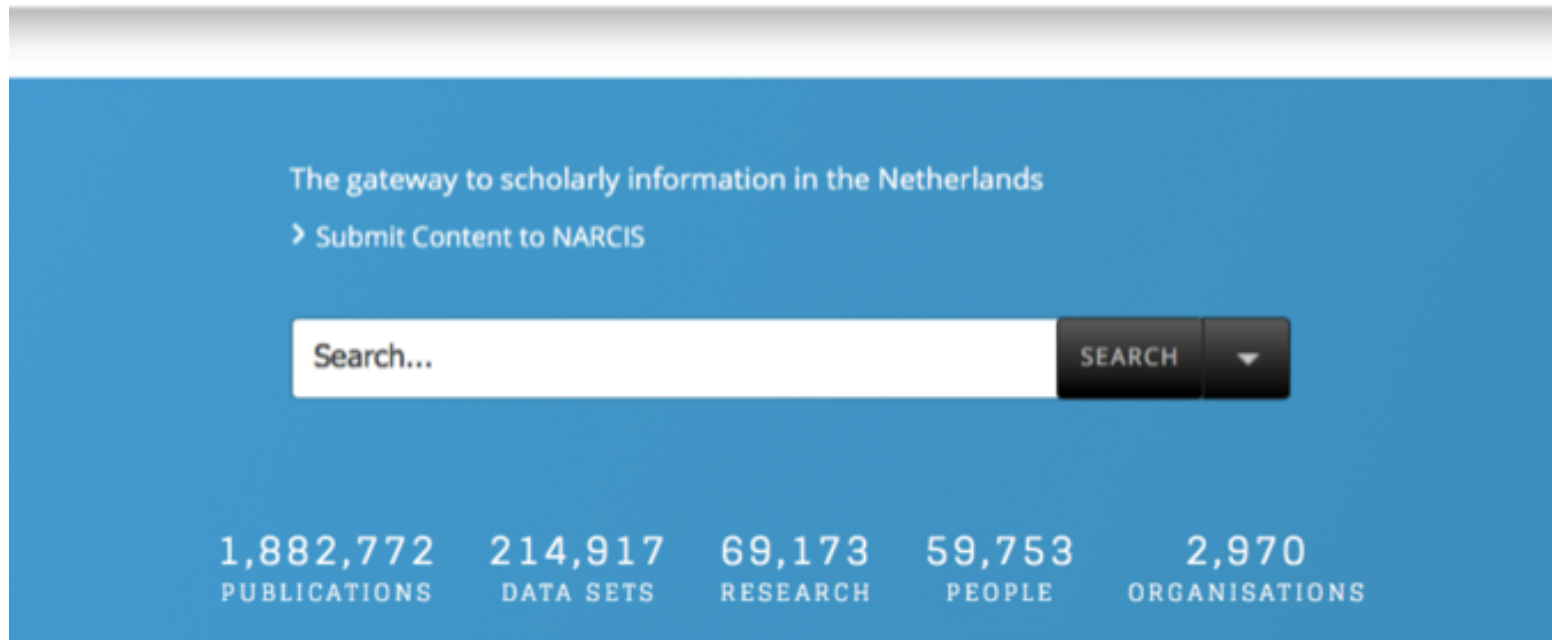
FREYA: the PID Graph



The *PID Graph*

- connects and integrates PID systems
- Pilot applications of disciplinary systems

NARCIS: Dutch research information portal



National Academic Research and Collaborations Information System

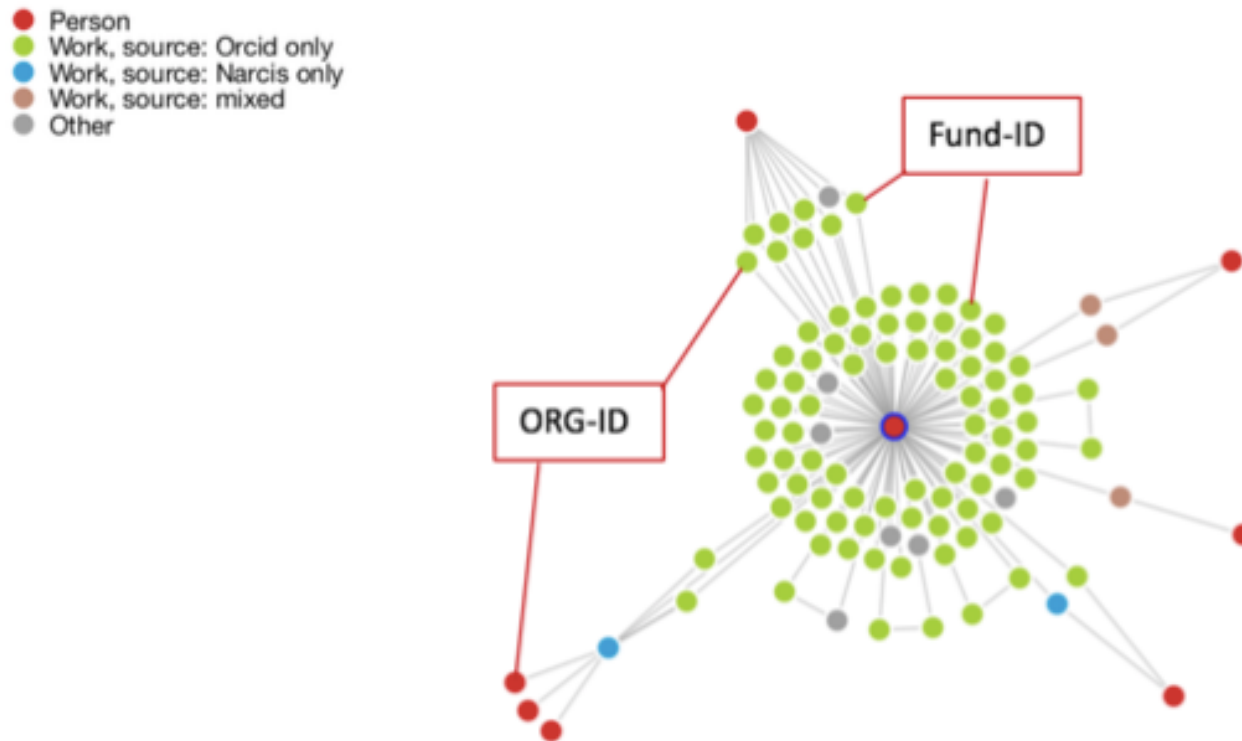
www.narcis.nl/en



Baars, Chris, & De Jong, Maaïke. (2019, January). NARCIS & FREYA Can PIDs contribute to research in context?. Zenodo.

<http://doi.org/10.5281/zenodo.2552138>

Future plans: Org-ID and Fund-ID



Baars, Chris, & De Jong, Maaïke. (2019, January). NARCIS & FREYA Can PIDs contribute to research in context?. Zenodo.

<http://doi.org/10.5281/zenodo.2552138>

Launching pidforum.org

a global discussion platform about PIDs



Maaïke de Jong (DANS)
Ginny Hendricks (Crossref)
Rachael Lammey (Crossref)
Helena Cousijn (DataCite)



PIDapalooza 2019

de Jong, Maaïke. (2019, January). Launching pidforum.org - a global discussion platform about PIDs. Zenodo.

<http://doi.org/10.5281/zenodo.2548649>

all categories ▸

Categories

Latest

New (1)

Unread

Top

+ New Topic

Category	Topics
General Topics that don't need a category, or don't fit into any other existing category.	2
PID Graph Discussion of the PID Graph and all related activities.	3 1 new
PID Best Practices A category to bring together information (papers, guidelines etc) and ideas on PID best practices for different communities and disciplines.	6
PID News & Blogs Share interesting PID news & blogs here	10
PID-related events Category to share any PID-related events that might be of interest to the community e.g. conferences, webinars, workshops and more!	11
PIDapalooza Discussion topics and practical announcements related to PIDapalooza	9
Knowledge Hub: PID Basics This category contains basic information for those new to	5

Latest
 Welcome to the PID Forum! 0 Mar 20
 Using Jupyter Notebooks with GraphQL and the PID Graph • new ■ PID Graph 0 16h
 Billions of records ■ DataCite Use Cases 3 4d
 Why are PIDs important for Librarians and Repository Managers ■ PIDs for Librarians and Repository Managers pid-basics 0 5d
 Working with some PID Providers ■ PIDs for Librarians and Repository Managers pid-basics 0 5d
 PIDs for People ■ Getting Started with PIDs pid-basics 0 5d
 Ambassador Competition for PIDapalooza ■ FREYA Ambassadors Chat Room 0 5d

まとめ

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THANKS!



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