

Identifiers on the Rise in Germany

PIDapalooza 2016

Reykjavik, 9./10.11.2016

Paul Vierkant | Helmholtz Association



Open Science

Agenda

Do Germans know Identifier?

ORCID DE

Future

Germans do know Identifier!

1989

Name Authority File (PND)

name, birth and occupation
connected with a unique identifier,
the PND number.

2012

Name Authority File (PND)

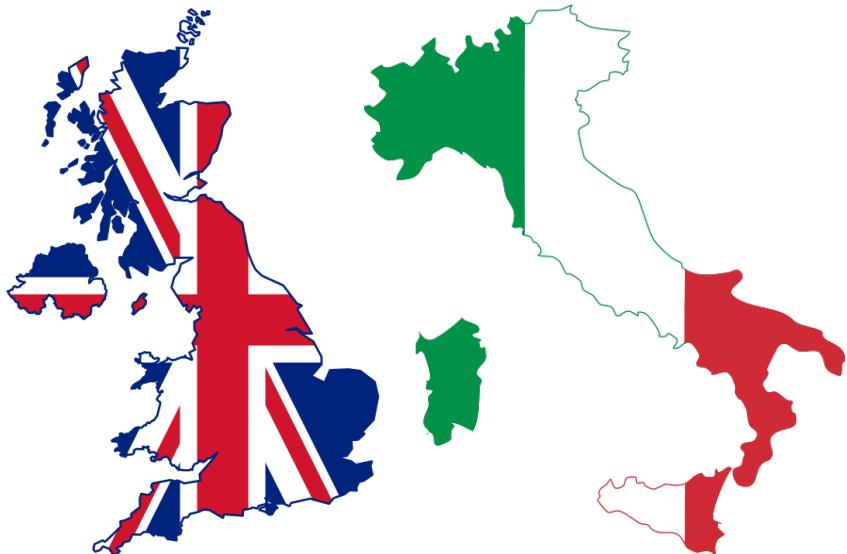
- + Corporate Bodies Authority File (GKD)
 - + Subject Headings Authority File (SWD)
-

Integrated Authority File (GND)

3,9M

Diverse research landscape

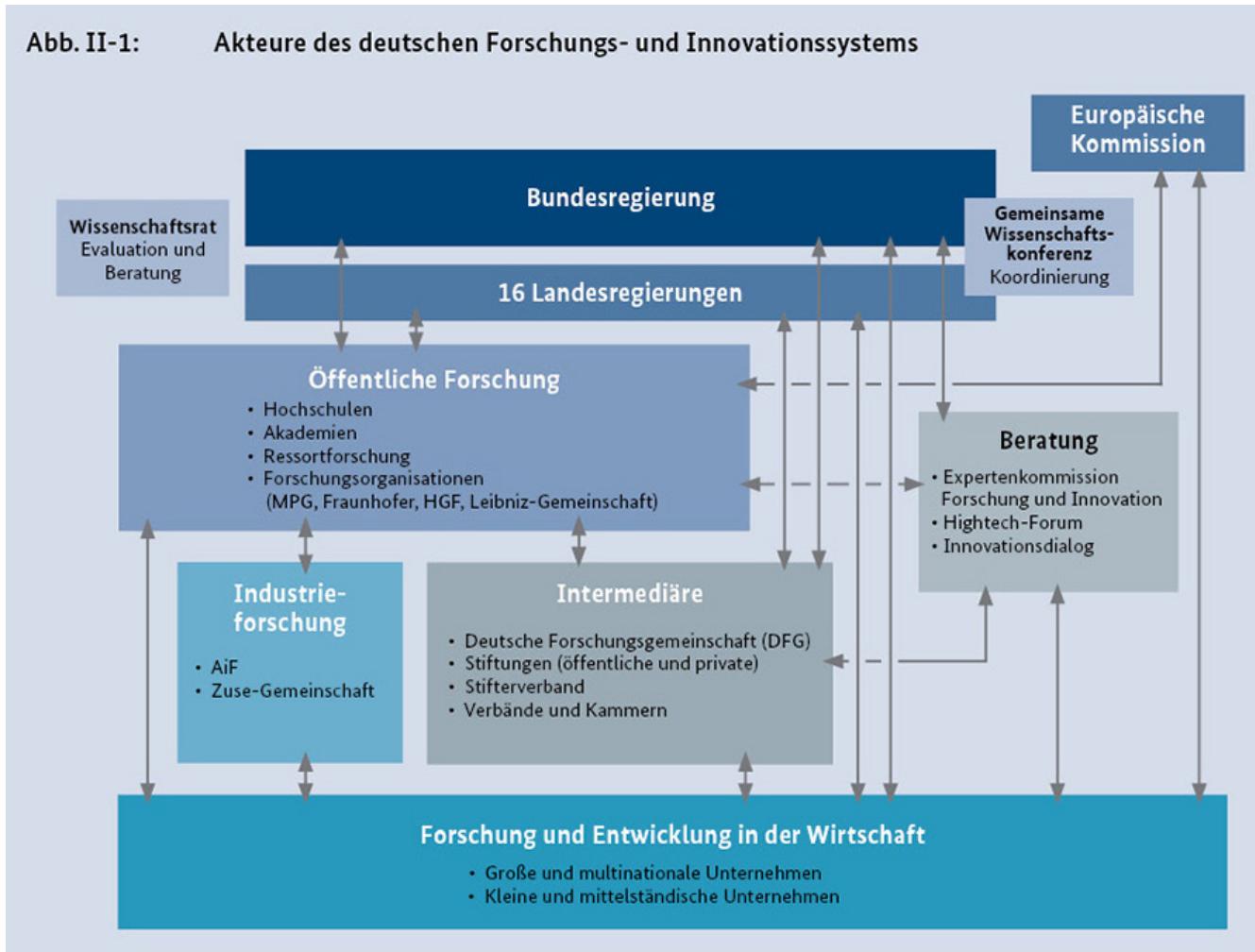
top-down vs. bottom-up



Fred the Oyster (https://commons.wikimedia.org/wiki/File:Flag_map_of_Italy.svg), „Flag map of Italy“, <https://creativecommons.org/licenses/by-sa/3.0/legalcode>

Complex research landscape

Abb. II-1: Akteure des deutschen Forschungs- und Innovationssystems



<http://www.bundesbericht-forschung-innovation.de/de/Struktur-und-Akteure-1650.html>

Building bridges



Federalism

HEI

Funding

Responsabilities of state and Länder

Research institutes

Research Core Dataset



Status quo of ORCID in Germany

353.276
researchers (FTE)
in Germany²



56.173 registered
ORCID records in
Germany¹

16%

1) http://ec.europa.eu/eurostat/statistics-explained/index.php/R_%26_D_personnel
2) Numbers provided by ORCID. ORCID records with either a .de email domain or country = DE

Mission:

Coordinated promotion of the „Open Researcher and Contributor ID“ (ORCID) for persistent identification of authors at academic institutions in Germany

Initiated by



Funded by



Project period

2016 -
2019

ORCID DE: Project Partners

- GFZ German Research Centre for Geosciences
 - Helmholtz Open Science Coordination Office
- German National Library
 - Integrated Authority File (GND)
- Bielefeld University Library
 - Bielefeld Academic Search Engine (BASE)



ORCID DE: Goals

- Creation of a central contact point
- Integration of ORCID into Bielefeld Academic Search Engine (BASE)
- Linking ORCID to GND
- Legal review
- Linking ORCID to new forms of publications

ORCID DE: Goals

The screenshot shows the BASE search engine interface. At the top, there is a navigation bar with links for Mobile, Basic and Advanced search, Help, Browsing, and Search History. The search bar contains the query "tit: 'Bielefeld Academic Search En'". Below the search bar are options for Verbatim search, Additional word forms (which is selected), and Multilingual synonyms. The search results page displays a hit list for the query. The first result is a conference paper titled "Beyond OAI Services: Bielefeld Academic Search Engine (BASE)" by Pieper, Dirk and Summann, Friedrich, published in 2005. The result page includes fields for Title, Author, Year of Publication, Source, Document Type, Language, Subjects, Rights, URL, and Content Provider. On the right side, there are sections for Sort Your Results (set to Relevance) and Refine Search Result, which allow filtering by Author, Subject, Dewey Decimal Classification (DDC), Year of Publication, Content Provider, Language, Document Type, and Access. At the bottom, there are links for Detail View, Email this, Export Record, Add to Favorites, Check in Google Scholar, More Options, and Search History.

Mobile | A A A | English | Login

BASIC SEARCH ADVANCED SEARCH HELP BROWSING SEARCH HISTORY

Your search

tit: "Bielefeld Academic Search En" Entire Document

Boost open access documents

Find

Linguistics tools

Verbatim search
 Additional word forms
 Multilingual synonyms

Statistics

8 hits
in 100,749,750 documents
in 0.14 seconds

Home » Search: tit: "Bielefeld Academic Search Engine (BASE)"

Hit List

1. Beyond OAI Services: Bielefeld Academic Search Engine (BASE)

Open Access

Title: Beyond OAI Services: **Bielefeld Academic Search Engine (BASE)**

Author: Pieper, Dirk [claim] ; Summann, Friedrich

Year of Publication: 2005

Source: Pieper D, Summann F. Beyond OAI Services: **Bielefeld Academic Search Engine (BASE)**. Presented at the Joint Workshop on Electronic Publishing, Organised by Delos, SVEP and ScieCom, Lund, Sweden.

Document Type: info:eu-repo/semantics/conferenceObject ; doc-type:conferenceObject ; text

Language: eng

Subjects: **Bielefeld Academic Search Engine** ; ddc:020

Rights: info:eu-repo/semantics/openAccess

URL: <https://pub.uni-bielefeld.de/publication/2900543>
<https://pub.uni-bielefeld.de/download/2900543/2900545>

Content Provider: PUB - Publications at Bielefeld University

Detail View Email this Export Record Add to Favorites Check in Google Scholar

Sort Your Results

Relevance

Refine Search Result

Author

Subject

Dewey Decimal Classification (DDC)

Year of Publication

Content Provider

Language

Document Type

Access

More Options

Search History

LTZ ATION

Open Science

ORCID DE: Goals

ORCID	GND
Identifier for researchers	Authority file, including identification of individuals
Registration, curation and authorisation by the respective individual	Indexing and curation of the authority file by staff (e.g. librarians)
Open system	Registered cooperation partners
Run by: international members	Run by: cooperation partners (German speaking), DNB
Unique and persistent Identifier (URI)	Unique and persistent Identifier (URI)
CC0	CC0
Approx. 2,5M	Approx. 3,9M

Hartmann, S. (2016): ORCID und GND – Brückenschlag zwischen zwei Systemen. [6]

ORCID DE: Goals

■ Linking of ORCID and GND

- Since 2015 ORCID can be added to the GND
- „sameAs“ relation in linked data

```
<rdf:Description rdf:about="http://d-nb.info/gnd/1088453392">
  <rdf:type rdf:resource="http://d-nb.info/standards/elementset/gnd#DifferentiatedPerson"/>
  <owl:sameAs rdf:resource="http://orcid.org/0000-0003-3334-2771"/>
  <gndo:gndIdentifier rdf:datatype="http://www.w3.org/2001/XMLSchema#string">1088453392</gndo:gndIdentifier>
  <gndo:preferredNameForThePerson rdf:datatype="http://www.w3.org/2001/XMLSchema#string">Pampel,
Heinz</gndo:preferredNameForThePerson>
  <gndo:preferredNameEntityForThePerson>
    <rdf:Description rdf:nodleID="node1addmtusix799384">
      <gndo:forename rdf:datatype="http://www.w3.org/2001/XMLSchema#string">Heinz</gndo:forename>
      <gndo:surname rdf:datatype="http://www.w3.org/2001/XMLSchema#string">Pampel</gndo:surname>
    </rdf:Description>
  </gndo:preferredNameEntityForThePerson>
  <gndo:affiliation>
    <rdf:Description rdf:about="http://d-nb.info/gnd/10347719-6">
      <ando:preferredNameForTheCorporateBody rdf:datatype="http://www.w3.org/2001/XMLSchema#string">Deutsches
```

■ Three strategies:

- Linking existing identifiers (ORCID and GND)
- (Semi) automatic linking of ORCID and GND
- Aggregation of metadaten from ORCID and GND

ORCID DE: Goals

The screenshot shows a web browser window for the DNB-Portal at <https://portal.dnb.de>. The search results for "Nachname, Vorname" show 9 of 30 hits. The first result is for GND, with a link to <http://d-nb.info/gnd/XXXXXXX>. The record details include:

Person	Beispielname
Geschlecht	männlich
Andere Namen	Name1 Name2 Name3
Zeit	Lebensdaten: XXXX-

Zusätzliche Informationen

Name4	[ORCID]
Institution1	[ORCID]
Beruf1	[Wikidata]

Andere Identifier

ORCID
VIAF
ISNI

Hartmann, S. (2016): ORCID und GND – Brückenschlag zwischen zwei Systemen. [10]

ORCID DE: Goals



IGSN

HOME MEMBERSHIP MEETINGS RESOURCES CONTACT

IGSN e.V.

Welcome to the website of the IGSN e.V., the Implementation Organization of the International Geo Sample Number (IGSN), a unique identifier for samples and specimens collected from our natural environment.

The objective of the IGSN e.V. is to implement and promote standard methods for locating, identifying, and citing physical samples with confidence by operating an international IGSN registration service with a distributed infrastructure for use by and benefit to its members.



Members of the IGSN e.V. at the founding event in December 2011.

The IGSN was developed by the [System for Earth Sample Registration SESAR](#), with funding from the [US National Science Foundation](#).

The IGSN e.V. is incorporated under German law as a not-for-profit society (*gemeinnütziger eingetragener Verein*) with a registered office at the GeoForschungsZentrum (GFZ) Potsdam.

The founding assembly of the IGSN e.V. was held on December 7, 2011, in San Francisco, California. The founding members signed the statutes.

Get Involved

Join the mailing list, group@igsn.org, a working group for anyone interested discussing technical and implementation issues related to the IGSN.

[Follow @igsn_info](#) 74 followers

Recent News

Call for Membership Applications for the IGSN e.V.
Sept 2016. The International Implementation Organization for the IGSN (IGSN e.V.) invites applications for new members. The IGSN...

AGU Publications Recommends Use of IGSN
Jan 2016. In an EOS article published on Jan 7, 2016, Brooks Hanson, Director of AGU Publications, strongly encourages the use of the...

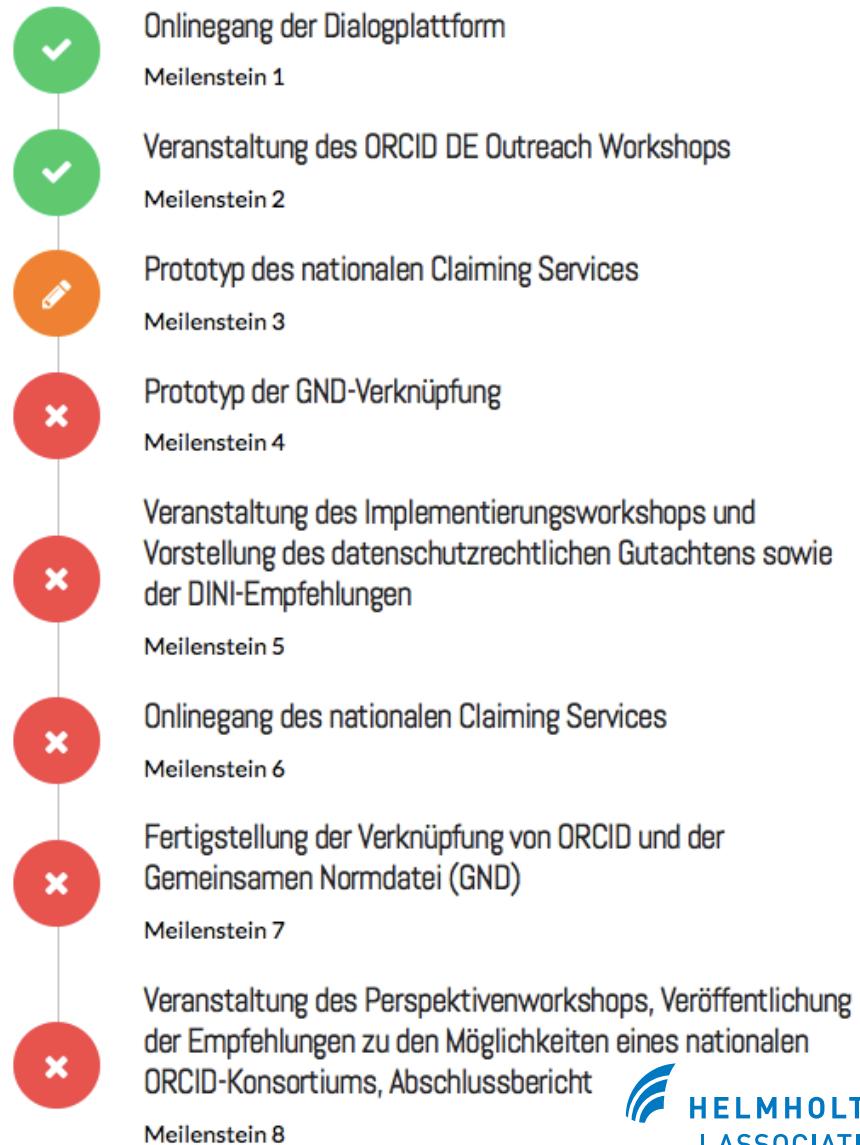
Smithsonian Registers National Gem, Mineral, and Rock Collections with IGSNs in SESAR
Aug 2015. The Smithsonian National Museum of Natural History recently registered nearly 350,000 samples with IGSNs in SESAR, including...

Call for Membership Applications to the IGSN Implementation Organization
Jun 2015. The International Implementation Organization for the IGSN (IGSN e.V.) invites applications for new members before its next vote...

EGU 2015 Splinter Meeting: Digital

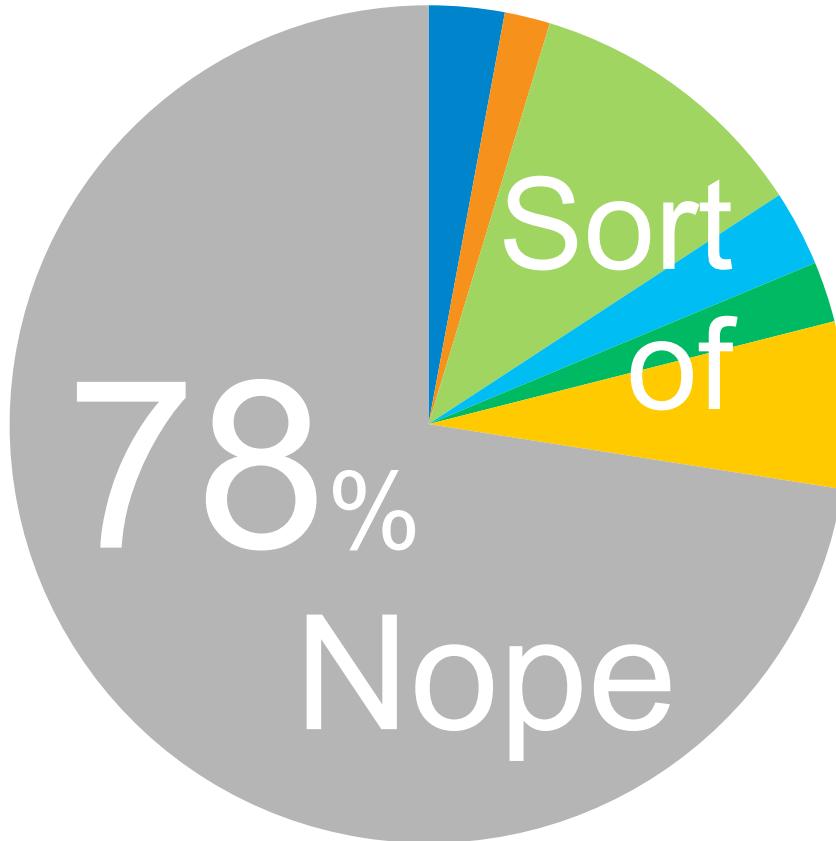
Future

- Outreach
- Workshops
- Mailinglist
orcid-de-dialog@listserv.dfn.de
- Website
<http://www.orcid-de.org>



ORCID DE: Survey

- Has ORCID already been integrated at your Institution?

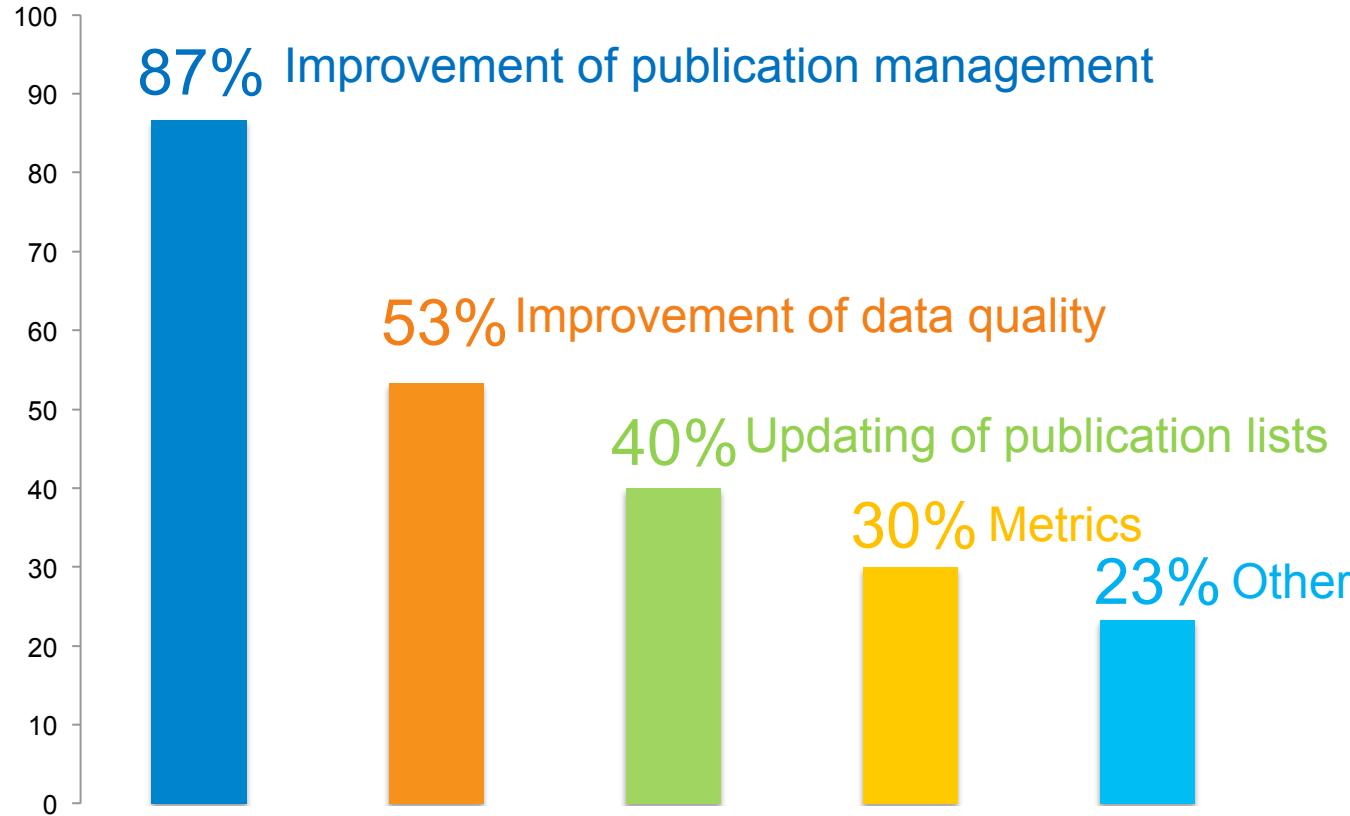


„Wurde ORCID in Ihrer Institution bereits implementiert? [Multiple answers possible]“ (n=158)

To be published in Fuchs, C. et al. (2016): Umfrage zum Stand der Implementierung von ORCID an wissenschaftlichen Einrichtungen in Deutschland.

ORCID DE: Survey

- What aspect was pivotal for integrating ORCID?

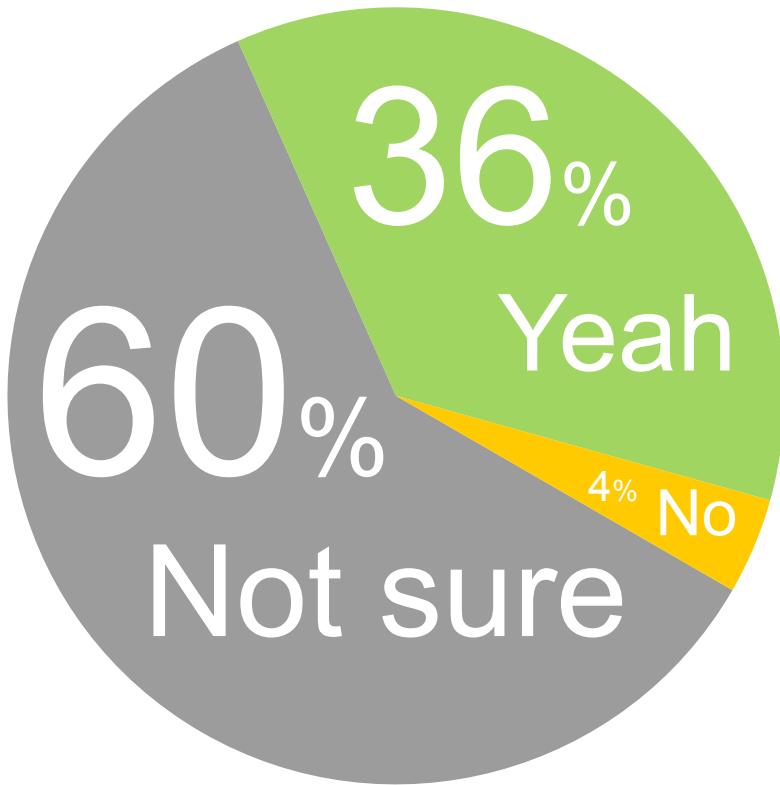


Wenn ja, welcher Aspekt war ausschlaggebend für die Implementierung von ORCID?
[Mehrfachnennung möglich] (n=30)

To be published in Fuchs, C. et al. (2016): Umfrage zum Stand der Implementierung von ORCID an wissenschaftlichen Einrichtungen in Deutschland.

ORCID DE: Survey

- „Would your institution be interested in an ORCID membership within a consortium?“



„Käme für Ihre Institution eine Mitgliedschaft im Rahmen eines Konsortiums in Frage?“ (n=128)

To be published in Fuchs, C. et al. (2016): Umfrage zum Stand der Implementierung von ORCID an wissenschaftlichen Einrichtungen in Deutschland.

ORCID Germany Member Community

41 Expressions
of interest

Administrative lead



13 ORCID Germany
members



Can Germans do ORCID?

We learned a lot.

You can teach us how to do better!

Thank you for your attention.

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<http://os.helmholtz.de>



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Further Reading

- Bertelmann, R., Niggemann, E., Pieper, D., Elger, K., Fenner, M., Hartmann, S., Höhnow, T., Jahn, N., Müller, U., Pampel, H., Schirrwagen, J., Summann, F. (2015): ORCID DE – Förderung der Open Researcher and Contributor ID in Deutschland.
 - DOI: <http://doi.org/10.2312/lis.16.01>
- Pampel, H., & Fenner, M. (2016): ORCID – Offener Standard zur Vernetzung von Forschenden. Nachrichten aus der Chemie, 64, 1, 57-58.
 - DOI: <http://doi.org/10.1002/nadc.20164042239>

References

- [1] Wagner, A. et al. (2015): JOIN2 empowering a bibliographic infrastructure to support scientists.
<http://bib-pubdb1.desy.de/record/220271/>
- [2] Waaijers, L. & Van der Graaf, M. (2014): Authority Files.
<http://ke-archive.stage.aerian.com/default.aspx%3Fid=708.html>
- [3] Beucke, D. et al. (2013): DINI-Zertifikat für Open-Access-Repositorien und -Publikationsdienste 2013. <http://nbn-resolving.de/urn:nbn:de:kobv:11-100217162>
- [4] Ebert, B. et al. (2016): Forschungsinformationssysteme in Hochschulen und Forschungseinrichtungen. Version 1.1. <http://doi.org/10.5281/zenodo.45564>
- [5] Ferguson, N. (2015): Researcher identifiers: National approaches to ORCID and ISNI implementation. <http://repository.jisc.ac.uk/id/eprint/6181>
- [6] EC (2012): Eine verstärkte Partnerschaft im Europäischen Forschungsraum im Zeichen von Exzellenz und Wachstum COM(2012) 392 final.
<http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52012DC0392>
- [7] EC (2016). Guidelines on Open Access to Scientific Publications and Research Data in Horizon 2020. Version 2.1.
http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-pilot-guide_en.pdf
- [8] Bruch, C. et al. (2015): Positionen zur Schaffung eines wissenschaftsadäquaten Open-Access-Publikationsmarktes. <http://doi.org/10.2312/allianzoa.008>
- [9] Wissenschaftsrat (2016): Empfehlungen zur Spezifikation des Kerndatensatz Forschung (Drs. 5066-16). <http://www.wissenschaftsrat.de/download/archiv/5066-16.pdf>
- [10] Hartmann, S. (2016): ORCID und GND – Brückenschlag zwischen zwei Systemen.
<http://nbn-resolving.de/urn/resolver.pl?urn:nbn:de:0290-opus4-25225>
- [11] Summann, F. (2016): Die Verwendung von Autorenidentifikatoren in wissenschaftlichen Repositorien. <http://nbn-resolving.de/urn/resolver.pl?urn:nbn:de:0290-opus4-25950>