

# Why identifiers matter & Who benefits from ORCID

| May 24, 2018



Connecting Research  
and Researchers

Matt Buys  
Director of Membership  
[m.buys@orcid.org](mailto:m.buys@orcid.org)  
[orcid.org/0000-0001-7234-3684](https://orcid.org/0000-0001-7234-3684)



@mjbuys  
@ORCID\_Org

# WHY PERSISTENT IDs?

## Challenges for the **individual**:

- Multiple profile systems
- Manual data entry
- Administrative burden
- No control of personal data
- Name ambiguity
- Recognition/credit



## Challenges for the **organisations**:

- Name ambiguity
- Trust in metadata
- Reporting latency
- Silo systems
- Return on investment
- Discoverability

# WHY IS THERE A PROBLEM?

*Prior to ORCID, the research community lacked the ability to link researchers and scholars with their professional activities.*

- *Name variations:*
  - *Matthew J Buys, MJ Buys, M Buys, Matthew John Buys, マット・ベイズ*
- *Institutional variations:*
  - *ORCID, ORCID Incorporated, ORCID Inc, ORCID EMEA*



Abstract

Send to:

Autophagy. 2016 Jan 2;12(1):1-222.

## Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition).

Klionsky DJ, Abdelmohsen K, Abe A, Abedin MJ, Abeliovich H, Acevedo Arozena A, Adachi H, Adams CM, Adams PD, Adeli K, Adhihetty PJ, Adler SG, Agam G, Agarwal R, Aghi MK, Agnello M, Agostinis P, Aguilar PV, Aguirre-Ghisso J, Airolidi EM, Ait-Si-Ali S, Akematsu T, Akporiaye ET, Al-Rubeai M, Albaiceta GM, Albanese C, Albani D, Albert ML, Aldudo J, Algül H, Alirezai M, Alloza I, Almasan A, Almonte-Beceril M, Alnemri ES, Alonso C, Altan-Bonnet N, Altieri DC, Alvarez S, Alvarez-Erviti L, Alves S, Amadoro G, Amano A, Amantini C, Ambrosio S, Amelio I, Amer AO, Amessou M, Amon A, An Z, Anania FA, Andersen SU, Andley UP, Andreadi CK, Andrieu-Abadie N, Anel A, Ann DK, Anoopkumar-Dukie S, Antoniolli M, Aoki H, Apostolova N, Aquila S, Aquilano K, Araki K, Arama E, Aranda A, Araya J, Arcaro A, Arias E, Arimoto H, Arosio AR, Armstrong JL, Amould T, Arsov I, Asanuma K, Askanas V, Asselin E, Atarashi R, Atherton SS, Atkin JD, Attardi LD, Auberger P, Auburger G, Aurelian L, Autelli R, Avagliano L, Avantiaggiati ML, Avrahami L, Awale S, Azad N, Bachetti T, Backer JM, Bae DH, Bae JS, Bae ON, Bae SH, Baehrecke EH, Baek SH, Baghdiquian S, Bagniewska-Zadworna A, Bai H, Bai J, Bai XY, Bailly Y, Balaji KN, Balduini W, Ballabio A, Balzan R, Banerjee R, Bánhegyi G, Bao H, Barbeau B, Barrachina MD, Barreiro E, Bartel B, Bartolomé A, Bassham DC, Bassi MT, Bast RC Jr, Basu A, Batista MT, Batoko H, Battino M, Bauckman K, Baumgarner BL, Bayer KU, Beale R, Beaulieu JF, Beck GR Jr, Becker C, Beckham JD, Bédard PA, Bednarski PJ, Begley TJ, Behl C, Behrends C, Behrens GM, Behrns KE, Bejarano E, Belaid A, Belleudi F, Bénard G, Berchem G, Bergamaschi D, Bergami M, Berkhout B, Berliocchi L, Bernard A, Bernard M, Bernassola F, Bertolotti A, Bess AS, Besteiro S, Bettuzzi S, Bhalla S, Bhattacharyya S, Bhutia SK, Biagosch C, Bianchi MW, Biard-Piechaczyk M, Billes V, Bincoletto C, Bingol B, Bird SW, Bitoun M, Bjedov I, Blackstone C, Blanc L, Blanco GA, Blomhoff HK, Boada-Romero E, Böckler S, Boes M, Boesze-Battaglia K, Boise LH, Bolino A, Boman A, Bonaldo P, Bordini M, Bosch J, Botana LM, Botti J, Bou G, Bouché M, Bouchecareilh M, Boucher MJ, Boulton ME, Bouret SG, Boya P, Boyer-Guittaut M, Bozhkov PV, Brady N, Braga VM, Brancolini C, Braus GH, Bravo-San Pedro JM, Brennan LA, Bresnick EH, Brest P,

Ventura N, Ventura S, Veras PS, Verdier M, Vertessy BG, Viale A, Vidal M, Vieira H, Vierstra RD, Vigneswaran N, Vij N, Vila M, Villar M, Villar VH, Villarroja J, Vindis C, Viola G, Viscomi MT, Vitale G, Vogl DT, Voitsekhojskaja OV, von Haefen C, von Schwarzenberg K, Voth DE, Vouret-Craviari V, Vuori K, Vyas JM, Waeber C, Walker CL, Walker MJ, Walter J, Wan L, Wan X, Wang B, Wang C, Wang CY, Wang C, Wang C, Wang C, Wang D, Wang F, Wang F, Wang G, Wang HJ, Wang H, Wang HG, Wang H, Wang HD, Wang J, Wang J, Wang M, Wang MQ, Wang PY, Wang P, Wang RC, Wang S, Wang TF, Wang X, Wang XJ, Wang XW, Wang X, Wang X, Wang Y, Wang Y, Wang Y, Wang YJ, Wang Y, Wang Y, Wang YT, Wang Y, Wang ZN, Wappner P, Ward C, Ward DM, Warnes G, Watada H, Watanabe Y, Watase K, Weaver TE, Weekes CD, Wei J, Weide T, Weihi CC, Weindl G, Weis SN, Wen L, Wen X, Wen Y, Westermann B, Weyand CM, White AR, White E, Whitton JL, Whitworth AJ, Wiels J, Wild F, Wildenberg ME, Wileman T, Wilkinson DS, Wilkinson S, Willbold D, Williams C, Williams K, Williamson



- Documenting impact through research performance frameworks
- Reducing researcher burden

... but these two goals seem at cross purposes?

# ORCID RESTS ON A SIMPLE IDEA

By pooling the know-how and influence of the international research community, we can deliver a huge step forward for the openness and reliability of research information.





# WHAT IS ORCID?

- An identifier for researchers
- A registry
- A set of standard procedures (APIs) for connecting researchers to their affiliations and activities
- A committed community building connectors
- An international-scale open research effort



# THE ORCID COMMUNITY

- 876 members from 43 countries
- 550+ system connectors: all research sectors
- Over 4.8 million researchers
- Consortia in:
  - Americas: Brazil, Canada & US
  - EMEA: UK, Norway, Finland, Denmark, Sweden, Netherlands, Belgium, Germany, Italy, Portugal
  - APAC: Australia, New Zealand, Taiwan



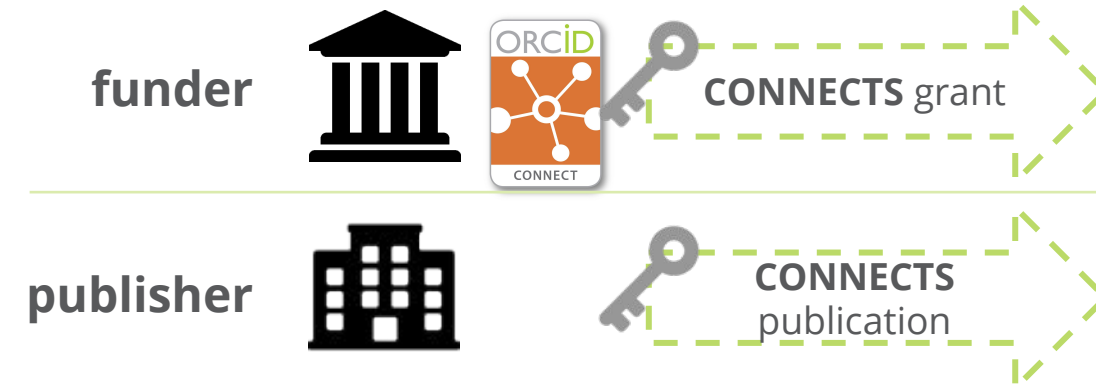
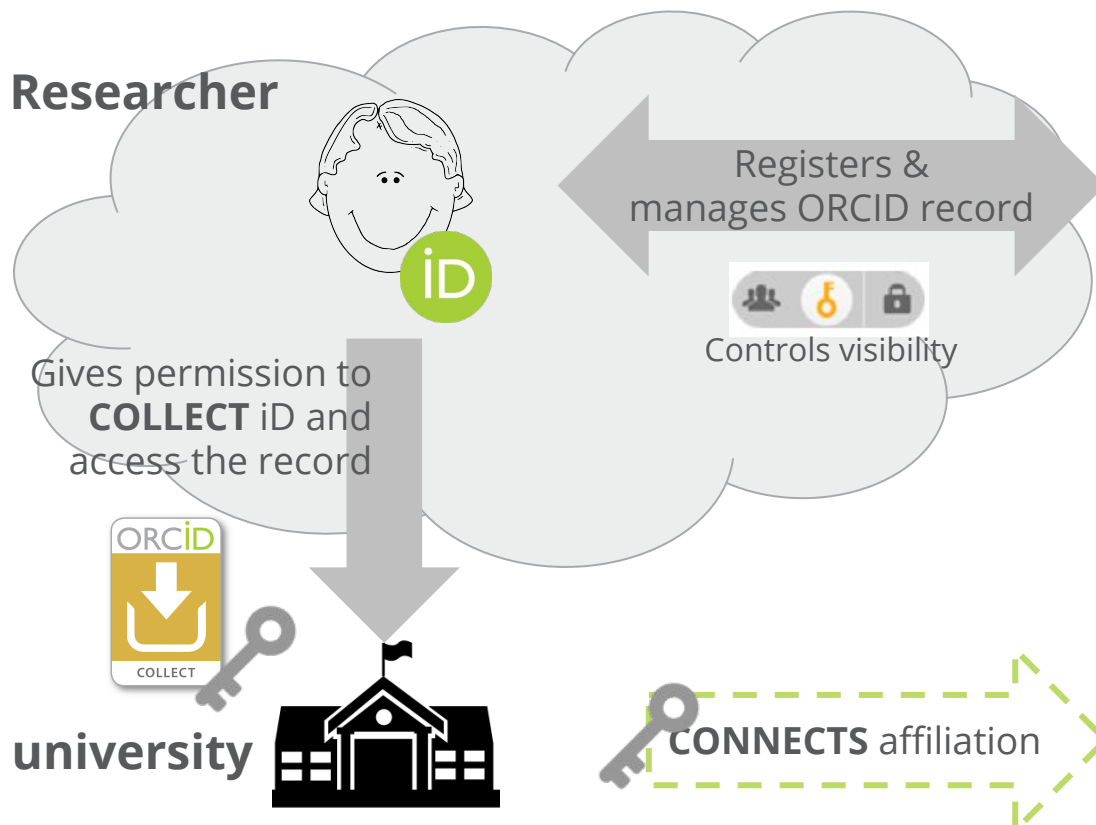


# ORCID IS OPEN

- Non-profit and platform-neutral
- International service that integrates with other researcher identifiers
- Registry use is free for individuals
- Independent non-profit membership organization
- Open data, software, APIs, and documentation



## Researcher



## ORCID record

### Researcher Name

#### ORCID ID

 [orcid.org/xxxx-xxxx-xxxx-xxxx](https://orcid.org/xxxx-xxxx-xxxx-xxxx)

#### Basic information

- Other names
- Email addresses
- Biography

#### Account settings

#### Activities & affiliations

##### Employment:

XXX University

Source: **XXX University (ID139)**

##### Funding:

YYY Foundation, Grant #123

Source: **YYY Foundation (ID45)**

##### Works:

Journal ZZZ, vol. 45, 2016

Source: **ZZZ Publishing (ID675)**



university



CONNECTS affiliation

ORCID: Bethesda, MD, United States  
2015-05 to present | Director of Membership

Organization identifiers

Ringgold: 385488

ORCID: Bethesda, MD, US

Other organization identifiers provided by RINGGOLD

ISNI: 0000000446638501

funder



CONNECTS grant

CELLULAR BASIS OF CIRCADIAN CLOCK IN SCN

National Institute of Mental Health (n/a, United States)

1993-03 to 1994-01 | Grant

Grant: [grant.F31MH010500](#)

Alternate URL: <https://grants.uberresearch.com/100000025/F31MH010500/CELLULAR-BASIS-OF-CIRCADIAN-CLOCK-IN-SCN>

Funding subtype

Funding sub-type

Translated title

CELLULAR BASIS OF CIRCADIAN CLOCK IN SCN - English

publisher



CONNECTS publication

Example Chapter

Book Title

2017-08-05 | book-chapter

DOI: <https://EXAMPLEdoi.org/10.23640/07243.5259496.v1>

Language

English

Subtitle

Example Subtitle

URL

<http://demoURL.com>

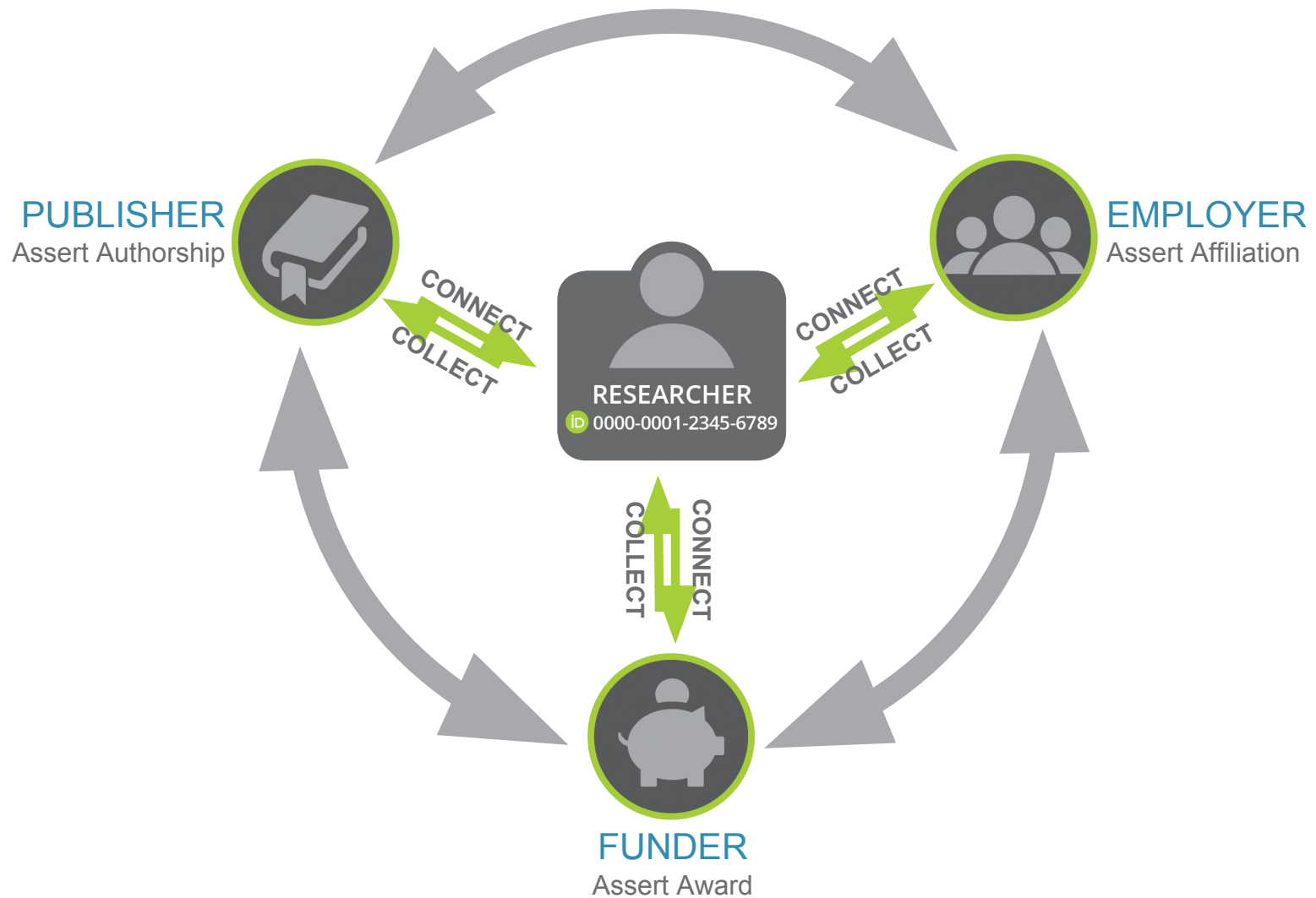
Country of publication

South Africa

Created

2018-02-21







# PUBLISHER OPEN LETTER



Over 1,500 journals are now requiring ORCID iDs



<https://orcid.org/content/requiring-orcid-publication-workflows-open-letter>

# ORCID and Research Institutions

Why should research institutions care about  
ORCID?

# KEY BENEFITS

## *for Research Institutions*

- Reliable connections
- International scope
- Pre-populate forms
- Alumni updates
- Machines do the work
- Obtain consent to use data



# RELIABLE CONNECTIONS

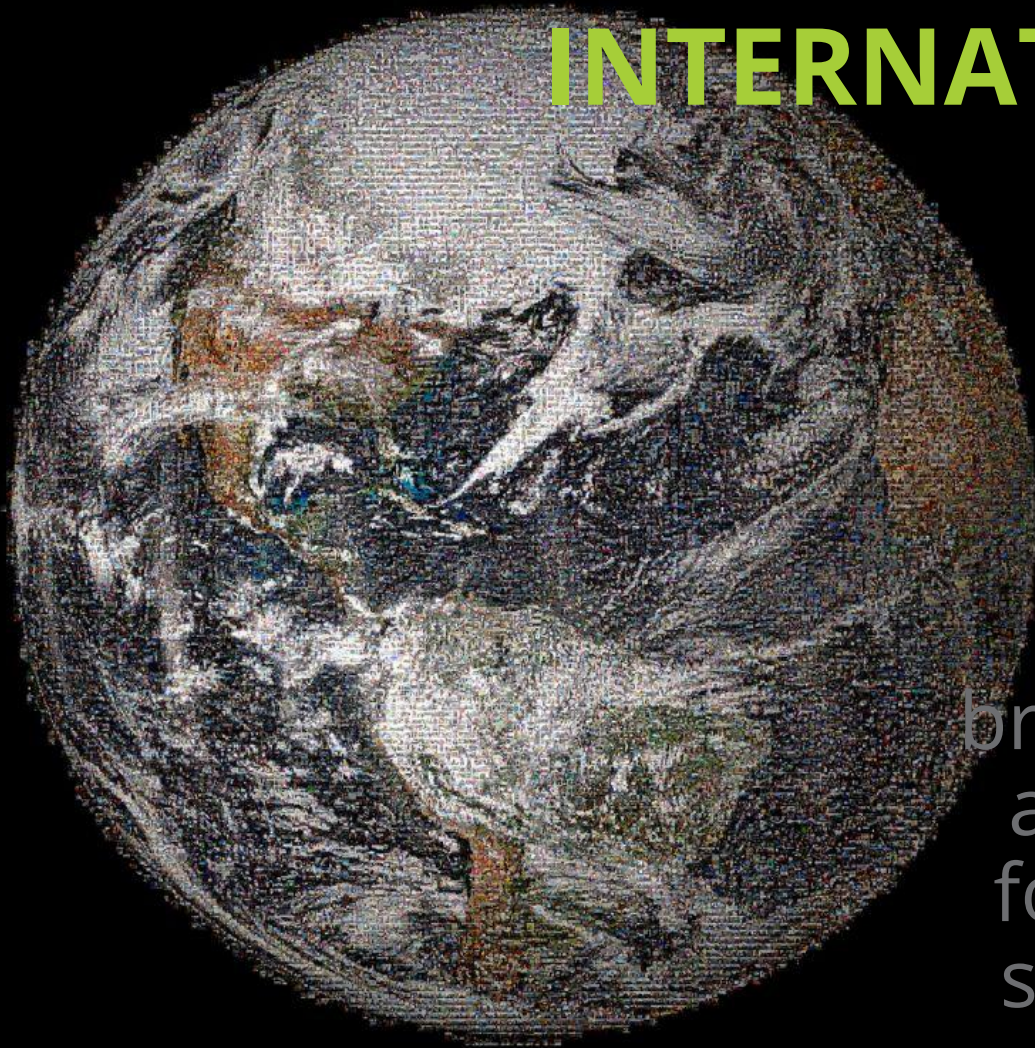
- Control how your organization name is expressed in systems your researchers use
- Include unique organization identifier
- CONNECT authoritative affiliation information to researcher records



PHOTO: Linked by NAS Alan Levine CC0  
<https://flic.kr/p/VKfww6>



# INTERNATIONAL SCOPE



Benefit from a  
broadly-used, reliable,  
and mobile identifier  
for your faculty, staff,  
students, and alumni



PHOTO: The Making of NASA's Global Selfie: 100+  
Countries, Thousands of Photos by NAS Goddard  
Space Flight CC 2.0 <https://flic.kr/p/nqjkaJ>

# PRE-POPULATE FORMS



Receive real-time notifications about research activities, avoiding after-the-fact reporting and form-fatigue



# ALUMNI UPDATES

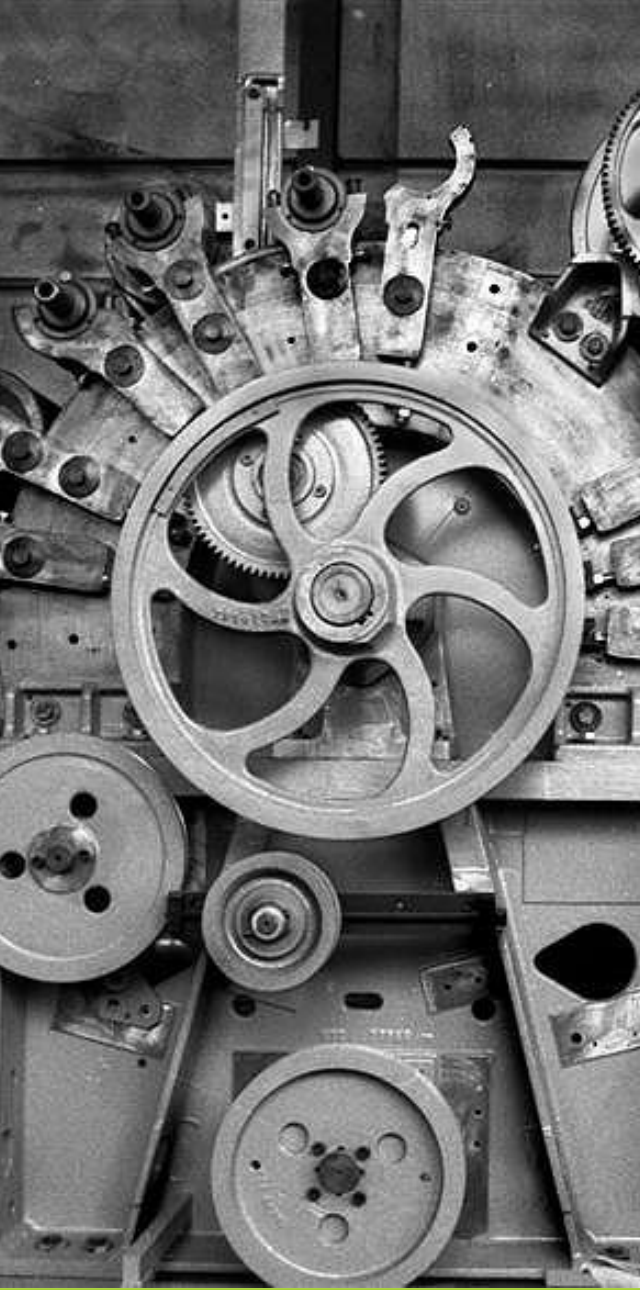
Gain insights about former faculty, staff and students.

Automatically be alerted to new contributions – publications, grants and awards, affiliations and more!



PHOTO: Footprints by Holly Gramazio  
CC BY-NC 2.0 <https://flic.kr/p/yvVMz>





# MACHINES DO THE WORK

Do all of these activities efficiently and at low cost through machine-to-machine communications using ORCID's reliable platform



PHOTO: machine by Eugen Stoll  
CC BY 2.0 <https://flic.kr/p/5c8cz>



# DATA WITH CONSENT

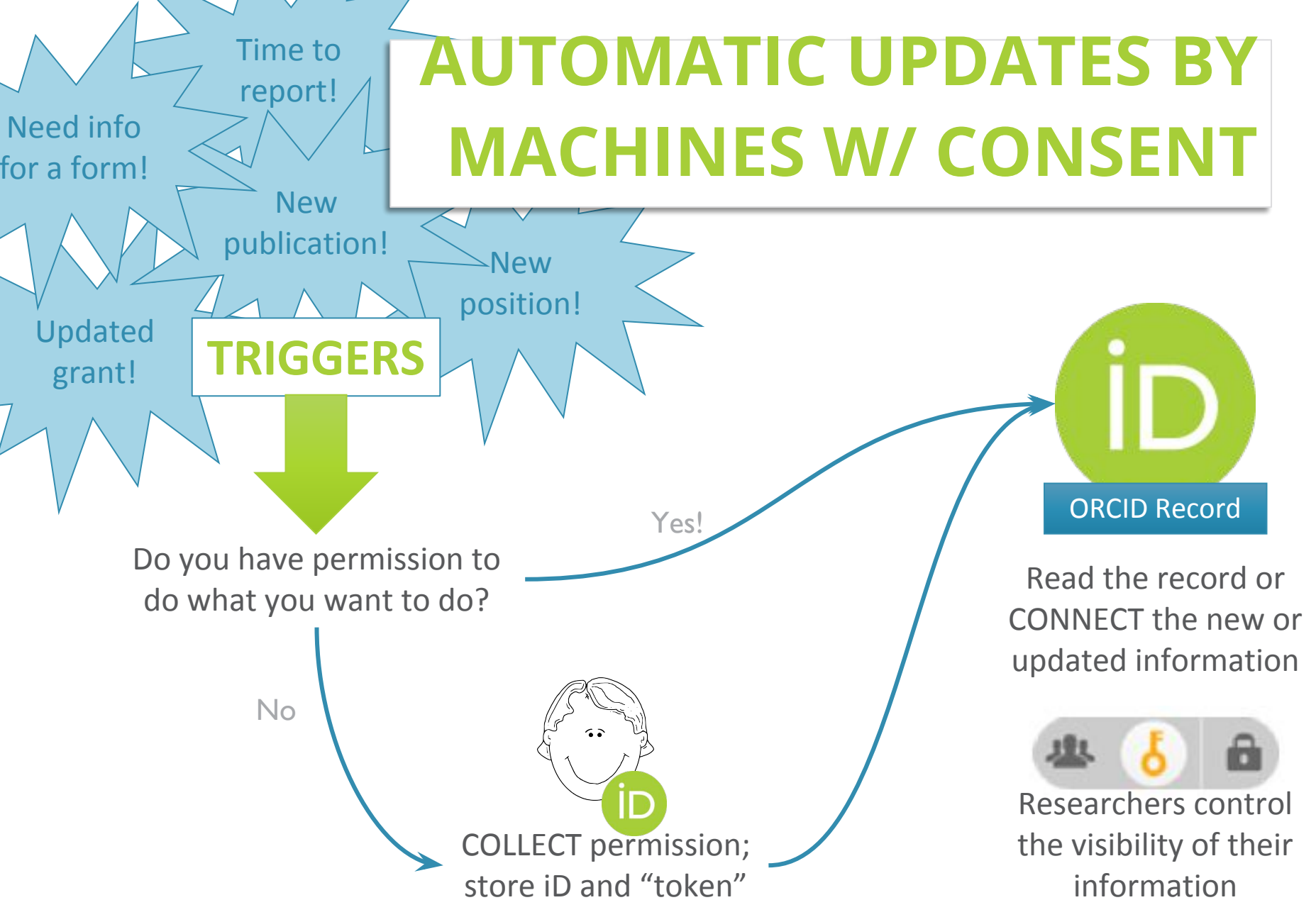
Current trends and regulations are putting individuals at the center of their data use.

Strengthen trust and confidence by sharing through ORCID's permission model

Privacy



# AUTOMATIC UPDATES BY MACHINES W/ CONSENT



# Value of a Community Approach

# RESEARCH INFORMATION IS CHALLENGING

- Research information systems can be stuck in the past
- Research information is stored in 'silos' – systems do not talk to one another
- Researchers and administrators waste a lot of time typing the same information into systems again, and again, and again...

***How much time does it take to collect and verify information?***





ORCID provides plumbing for research information, the tools to build trust in digital information



ORCID drives collective involvement of stakeholders across sectors

# VALUE OF NATIONAL APPROACH

Taking a coordinated national approach to research information is crucial. The benefits include:

- Fair access to the benefits of research
- Better understanding of the impact and challenges of research
- Efficiency and convenience for researchers and administrators
- More time and improved quality research!

# THINGS TO THINK ABOUT

- What research information is most urgent?
- Who are the key stakeholders and systems?
- Are there approaches used internationally that may work in your context?



# STEPS TO ESTABLISHING AN ORCID CONSORTIUM

1. Create Steering Committee
2. Put out a call for participation in the consortium
3. Determine the lead organization and funding model
4. Draft consortium policy, goals, governance, and evaluation
5. Determine implementation approach
6. Hire community manager
7. Launch consortium web page and support services





# CONSORTIUM TIERS

- 5-9 members: US\$6,000 per member
- 10-19 members: US\$5,000 per member
- 20-34 members: US\$4,000 per member
- 35-60 members: US\$3,500 per member
- 61+ members: US\$3,000 per member



# ORCID and Individuals

Why should research institutions care about  
ORCID?

# RESEARCHERS SUPPORT ORCID

Per our 2017 community survey, respondents strongly agree that an ORCID iD is essential for researchers

85.9% of respondents believe requiring the use of ORCID iDs is beneficial to the global research community



PHOTO: High Five Panda By Mark Dumont  
CC BY 2.0 <https://flic.kr/p/ipWWpK>

# BENEFITS FOR INDIVIDUALS

- Control over personal data and privacy
- Unique persistent identifier used across sectors, borders and disciplines
- Reduced administrative burden allowing systems to synchronise
- Improved discoverability



What now?

The research community in Austria has the power to improve the **value and openness** of research information.

Unique researcher identifiers have the potential to **streamline information sharing and bring transparency** to the creation and re-use of that information.

# THANK YOU!



- Find out more at <http://members.orcid.org>
- Register for an iD at <http://orcid.org/register>
- Community resources at <http://orcid.org/help>

Matthew Buys  
Director of Membership  
m.buys@orcid.org  
orcid.org/0000-0001-7234-3684