ORCID: Benefits for researchers and institutions

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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
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

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

● Documenting impact through research performance frameworks
● Reducing researcher burden

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

• 875 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
Researcher gives permission to COLLECT iD and access the record.

University registers & manages ORCID record.

ORCID record:
- **ORCID ID**: 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)
      - Source: ZZZ Publishing (ID675)
ORCID & PLATFORMS

Platforms using the ORCID API

ORCID Registry
4.8M+ live iDs
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
• Researchers support ORCID
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 CCO
https://flic.kr/p/VKfww6
INTERNATIONAL SCOPE

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

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

PHOTO: Custom form elements by Mårten Björk
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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
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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
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.
Time to report!

ORCID Record

Do you have permission to do what you want to do?

Yes!

No

COLLECT permission; store iD and "token"

Read the record or CONNECT the new or updated information

TRIGGERS

New publication!

New position!

Updated grant!

Need info for a form!

AUTOMATIC UPDATES BY MACHINES W/ CONSENT

Researchers control the visibility of their information
Connecting to ORCID
CRIS SYSTEMS

CONFIGURE YOUR VENDOR SYSTEM!

- Converis
- Elements
- Faculty 180
- IRMA
- Pivot
- Pure
- DSpace CRIS
- Vivo
REPOSITORY SYSTEMS

CONFIGURE YOUR VENDOR SYSTEM!

• DSpace
• ePrints
• Hydra/Fedora
CUSTOM SYSTEM CONNECTORS

BUILD SOMETHING TO SUIT YOUR NEEDS

• Fully accessible API
• Embedded permission protocol to COLLECT permissions
• Ability to read and write to records to CONNECT information to records
• Automatic notifications when changes occur to SYNC systems (premium membership)
AN EXAMPLE

See https://dspace.cvut.cz/handle/10467/67742
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
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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
Value of a National Approach
THE VALUE OF A NATIONAL APPROACH

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

• Distributed access to the benefits of research
• Better understanding of the impact and challenges of research in context
• Efficiency and convenience gains for researchers and administrators
• More time doing research!
The Cyprus research community has the power to improve the **value and openness** of its research information.

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

- Find out more at http://orcid.org
- Twitter @ORCID_Org / @mjbuyls

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