



Connecting Research
and Researchers

ORCID in Italy

IDEM Day 2016

2016 June 8

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Names are messy



PHOTO: 3/52 entropy © 2012 Chris
<https://flic.kr/p/bfMTCz>

orcid.org

Names are messy

Can names be cleaned up?

Of course they can!

We need to use **digital names**:

Persistent identifiers that uniquely refer to the person, organization or object

Names are messy

ORCID provides persistent digital identifiers to distinguish researchers



ORCID ID	First name	Last name
0000-0002-8898-4520	Koichi	Tanaka
0000-0001-9115-2015	Koichi	Tanaka
0000-0001-8666-6396	Koichi	Tanaka
0000-0002-3180-7881	Koichi	Tanaka

ORCID iDs and researchers

ORCID iDs

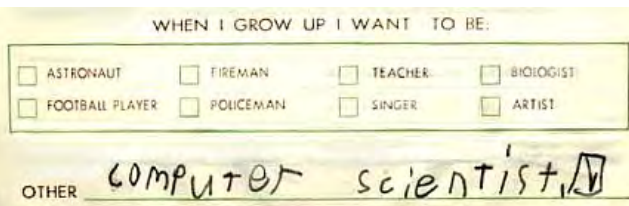
- over 2.2 million registered
- used by individuals their entire career
- connected: > 6 million unique DOIs with iDs (papers & data)
- connected: > 50 thousand unique organization iDs
- easy to use!

Register for an iD. Use it!



ORCID's vision

ORCID's vision is a world where
all who participate in research, scholarship, and innovation
are uniquely identified and
connected to their contributions and affiliations
across time, disciplines, and borders.

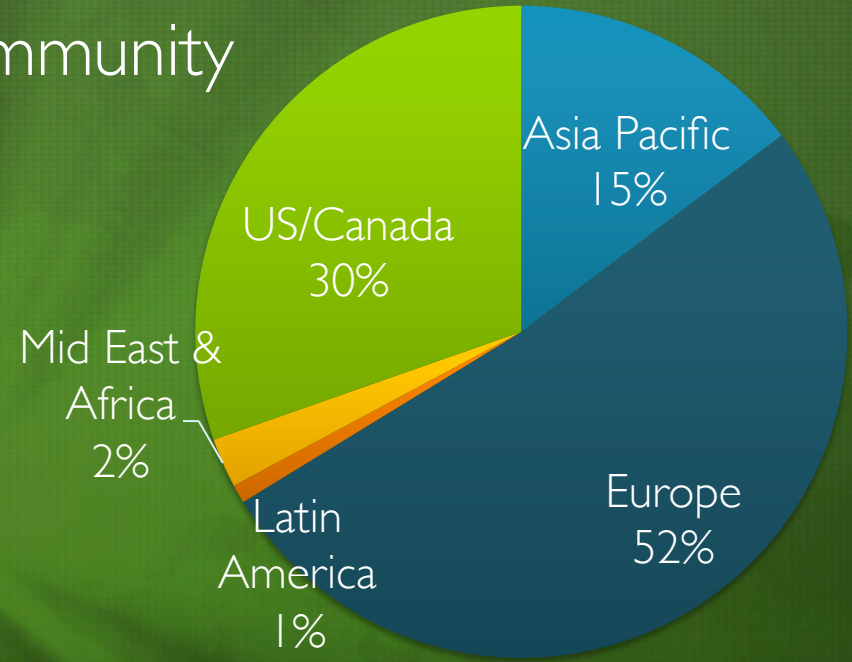
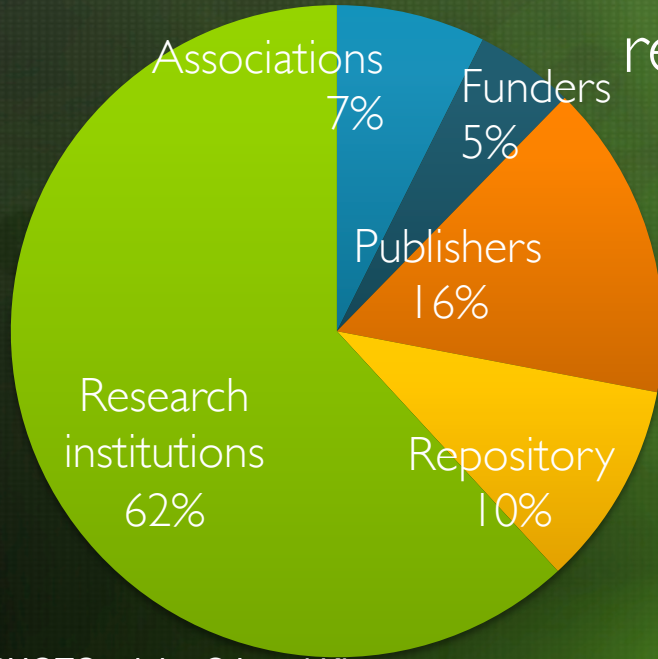


O in ORCID is for open

- Independent non-profit membership organization
- International service - integrates with other identifiers
- Free for individuals
- Non-proprietary, platform-neutral
- Open data, software, APIs, & documentation

Integration in research systems

Over 500 members, 7 national consortia, and nearing 300 integrations in every region and sector of the international research community



Plumbing connections

- ✓ plumbing for research information
- ✓ tools to build trust in digital information



persistent digital identifier distinguishing researchers from each other



member-built integrations for automated linkages between researchers and activities/affiliations



hub for machine-readable connections between identifiers for organizations, funding, outputs, and people

Plumbing connections



COLLECT



AUTHENTICATE

Organizations use
ORCID APIs to
authenticate, collect,
display, and connect
persistent identifiers for
people, places, and things



DISPLAY



CONNECT

Plumbing connections

ORCID Organization,

A Tweet you were mentioned in got retweeted!



tracey depellegrin

@editor_traceyd

random happy moment of day: just rec'd
26-author paper, and nearly all have
[@ORCID_Org](#) IDs!
[#standards](#)

10:44 AM - 14 May 16

Plumbing connections

There are now 5m @webofscience records with associated @ORCID_Org iDs! #ORCID15

11:08pm · 3 Nov 2015 · Twitter for iPhone

DEMO VIDEO

<http://wokinfo.com/researcherid/integration/>

DEMO VIDEO

<https://www.elsevier.com/solutions/scopus/support/authorprofile>

And @ElsevierConnect have c3m records with links to @ORCID_Org! #ORCID15

11:13pm · 3 Nov 2015 · Twitter for iPhone

Plumbing connections

KAUST Repository | Published | Author: Gianluca Melino | KAUST | KAUST Repository | KAUST Repository

Nanofabrication of SERS Substrates for Single/Few Molecules Detection

HANDLE URI:

<http://hdl.handle.net/10754/552375>

TITLE:

Nanofabrication of SERS Substrates for Single/Few Molecules Detection

AUTHORS:

Melino, Gianluca (0000-0001-8060-651X) 

ABSTRACT:

Raman spectroscopy is among the most widely employed methods in several fields of study. Evolution in materials science allowed us to be capable to enhance the electromagnetic field of the signals coming from to be in most cases singles or a few molecules. This particular variant (Surface Enhanced Raman Spectroscopy). In this work, the enhancement by manipulation of the optical properties of metals with respect to the (bottom up technique), gold and silver nanoparticles were deposited on silicon wafers by means of electron beam lithography (top down technique). An extremely low concentration (10⁻⁸ M) was absorbed on the resultant spectra demonstrated the high efficiency of the substrates.

ADVISORS:

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KAUST DEPARTMENT:

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**GIANLUCA
MELINO**

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Education (1)

King Abdullah University of Science and Technology (KAUST): Thuwal, Saudi Arabia

Student (Materials Science and Engineering)

Source: KAUST Repository

Created: 2015-05-04

Works (1)

Nanofabrication of SERS Substrates for Single/Few Molecules Detection

2015 | supervised-student-publication

HANDLE: [10754/552375](http://hdl.handle.net/10754/552375)

URL: <http://hdl.handle.net/10754/552375>

Source: KAUST Repository

 Preferred source

Regional & national approach

- **Australia:** national recommendation 2015, consortium 2016
- **Austria:** funder requirement 2016
- **Denmark:** university launch 2014
- **Finland:** national recommendation 2015, consortium 2016
- **Italy:** national consortium 2015
- **Portugal:** funder requirement 2013
- **Spain:** launched 2 consortia in 2014
- **Sweden:** national recommendation 2013
- **Taiwan:** national consortium 2016
- **UK:** national recommendation 2013, pilot 2014, consortium 2015
- **US:** multiple regional consortia 2015

- Over 70 Italian universities and research institutes are participating in the Italian ORCID consortium.
- Led by ANVUR (National Agency for the Evaluation of the University and Research Institutes,) and CRUI (Conference of Italian University Rectors)
- CINECA providing DSpace integration platform
- Goal is to support the national research assessment exercise (VQR) by ensuring that at least 80% of Italian researchers have an ORCID iD, with links to their research output back to 2006, by the end of 2016.

Funders

Funder requirements

- ✓ Autism Speaks 2014
- ✓ FCT (Portugal) 2014
- ✓ Swedish RC 2014
- ✓ Wellcome Trust 2015
- ✓ NIHR (UK) 2015
- ✓ DOT(US) 2015
- ✓ SF Ireland 2016
- ✓ FWF (Austria) 2016
- ✓ USGS (US) 2016
- ✓ FWF (Australia) 2016

2 June 2016

NIHR begins roll out of mandatory ORCID iD requirement

23 September 2015

From today (Wednesday 23 September 2015), a digital identifier that distinguishes researchers - an ORCID iD - will become mandatory for all new NIHR personal award applications.

1. RCUK should become a member of ORCID. **RCUK (2015)**
2. RCUK should, as soon as practicable, enable *optional* capture of ORCID iDs on grant applications and, from a date to be announced, should *require* ORCID iDs for all staff listed in grant applications. This requirement should be subject to advanced public notice of at least 12 months and should ideally be introduced 1 year after optional capture of ORCID is enabled on grant applications.
3. Capture of ORCID identifiers by any RCUK system should by default make use of the ORCID API to ensure the integrity of the data captured.
4. RCUK should support integration of ORCID in the outcome collection process so that records linked to individuals identified in RO systems can be unambiguously matched to records linked to those same individuals in e.g. the Researchfish system.

Why is the use of ORCID being encouraged by NHMRC & ARC?

The use of ORCID may help streamline research administration and reporting for researchers and administering institutions through:

- Facilitating disambiguation of researchers and research outputs.
- Enabling the linking and reuse of high quality, persistent data (e.g. publications, grants).

Open letter: publishers requiring iDs

- The Royal Society
- PLOS
- eLife
- EMBO Press
- American Geophysical Union
- IEEE
- Hindawi
- Science journals
- ScienceOpen
- Frontiers
- JMIR Publications
- Grupo Comunicar Ediciones
- Military Technical Courier
- The Company of Biologists

2 June 2016

THE
ROYAL
SOCIETY

Publishing blog

From January you'll need an ORCID

7 December 2015 by [Phil Hurst](#)

Mandating the use of Open Researcher and Contributor ID (ORCID) by submitting au

[ORCID](#) provides a unique identifier for all researchers that can be linked to their different research works and activities across multiple platforms. It also serves to distinguish authors with



- IDEA (Instituto de Estudios Avanzados) de la Universidad de Santiago de Chile (USACH)
- Faculty of 1000

orcid.org

Universities

“We want to use ORCIDiDs to simplify the life of Oxford’s researchers for working with institutional systems and publishers’ systems by re-using already available information for publication data management and reporting.

*The motto is: **Input once – re-use often.**”*

Wolfram Horstmann, Assoc. Director, Bodleian Libraries, University of Oxford

<http://orcid.org/0000-0001-8673-6104>



Alex Smith @Alex_Smith_Ants

12m

Hour number 2 of entering and updating my publications to indicate that the were "published" and refereed. #CanadianCommonCV #wasteoftime

Details



Terry Wheeler

@ta_wheeler

@Alex_Smith_Ants Meanwhile, in an alternate universe, another You just typed his Orcid, linked it all up & went for a run.

9:07am · 29 Jul 2014 · Twitter for iPhone

Universities: eduGAIN-enabled SP

- Individuals sign-in with university SSO
- Registered via SURFconext
- Research & Scholarship (R&S) entity
- Requires persistent, inherently non-reassigned ID:
 - Persistent NameID, eduPersonUniqueID OR eduPersonTargeted ID (not ePPN)
- Also of interest:
 - Social sign in supported
 - ORCID in eduPerson schema



The screenshot shows the ORCID sign-in page. At the top, it says "Sign in using your" with two buttons: "Personal Account" (with a person icon) and "Institutional Account" (with a building icon). Below this, it says "Sign in with your ORCID account". There are two input fields: "Email or iD" and "ORCID Password", both with "Show/Hide" icons. A link "Forgotten password?" is below the password field. A large blue button "Sign into ORCID" is at the bottom. Below the button, it says "Sign in with a social media account" with a question mark icon, and icons for Facebook and Google+ are shown.

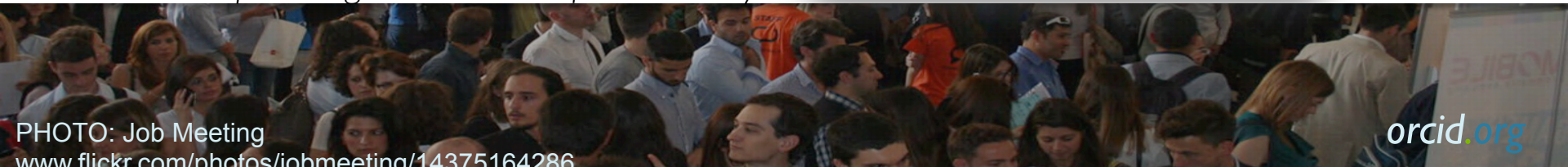
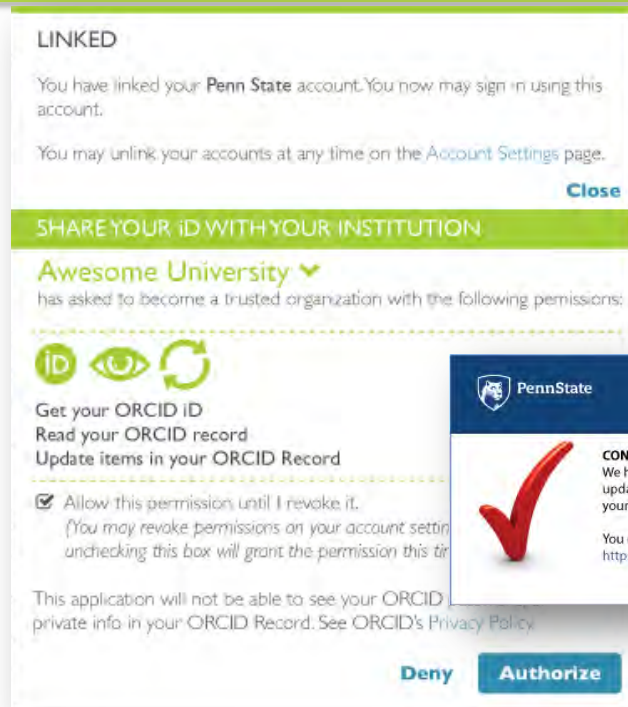


Universities: eduGAIN-enabled SP

Phase II:

- Member universities can request ORCID permissions
 - User signs in triggers permission request
- Permission-based assertion of affiliation
- Target release: Fall 2016
- Workshop during 2016 TechEx (Sept)

Sample images. Actual interface will vary.



why ORCID?

the ability to uniquely identify contributors is a deceptively simple concept which, if realised, could enable forms of real-time understanding of scientific research that up to now have been extremely costly (if not impossible).

--Jonathan Kram, Wellcome Trust

how to realize jonathan kram's vision

- encourage persistent ID use in your research workflows
- increase awareness about ORCID iDs / encourage their links to research activities, affiliations and data
- support broad sharing of non-ambiguous, machine-readable links between people, places and things
- explore automated approaches for discovering research outputs & reporting to focus effort on impact assessment over collection

**Jo McEntyre**

@jomcentyre



Follow

Time for coffee! @ORCID_Org
pic.twitter.com/RKDGliUaaB

Reply Retweeted Favorited More

**Dale Askey** @daskey

40s

@RrrichardZach yes. many uses, not
least name disambiguation. painless to
get one. orcid.org

View

- <http://orcid.org>
- BLOG: <http://orcid.org/about/news>
- TWITTER: @ORCID_Org