



Connecting Research
and Researchers



SYMPLECTIC

Elements

ORCID Symplectic Elements Webinar (Americas & Caribbean)

Symplectic Elements has recently released new features and capabilities to read and write data to the ORCID registry. Please join us for a demonstration of these new features and see how others have implemented these features at their organizations. This webinar is free and all are welcome to join.



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ORCID and Elements

Sam Frendo

Sam@symplectic.co.uk

Overview

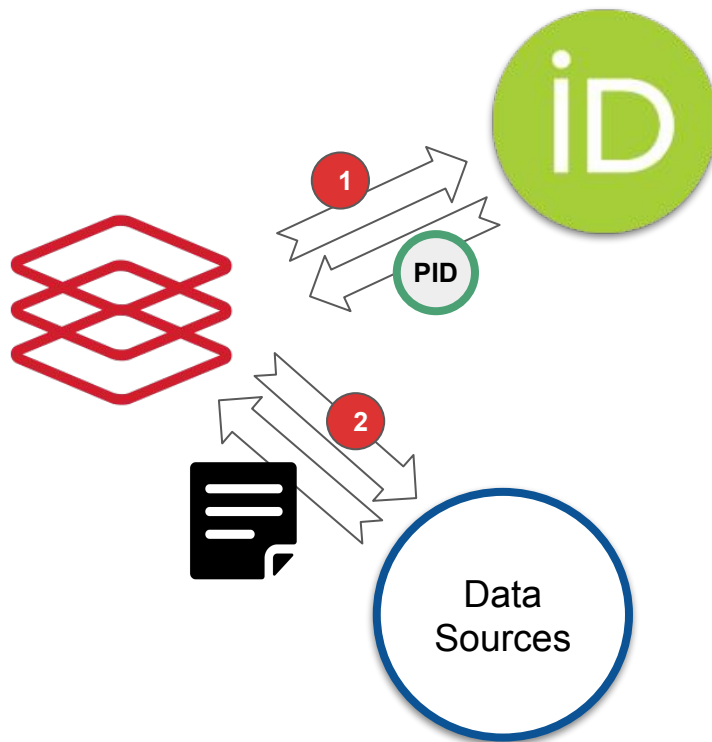
- Review the use of ORCID iDs in Elements
- Overview of write integration - Send publications (v5.18) and assert affiliation (v5.19)
- Demonstration of functionality in Elements

1. Automatic harvest of Publication IDs from ORCID

Our original “ORCID integration” allows users to authenticate their ORCID IDs within Elements.

Elements then regularly searches ORCID for any persistent identifiers (PIDs) found in user’s ORCID records and uses the returned PIDs to fetch publications from Elements data sources.

This allows Elements to create an active link with the source, obtain richer metadata about each publication including supplementary metadata such as citation counts.



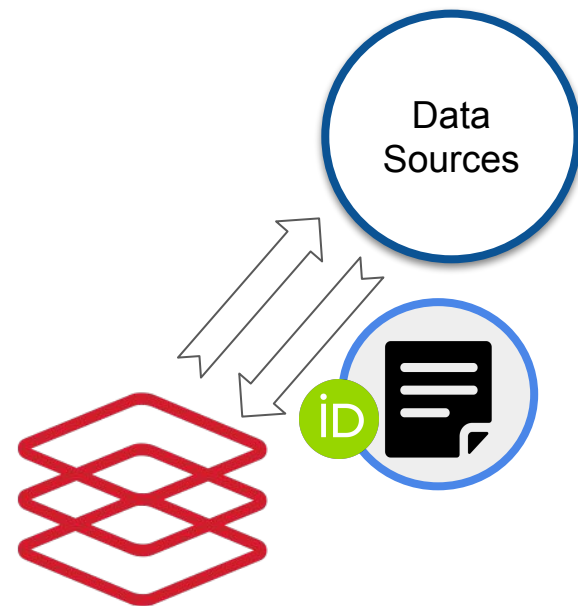
2. Using ORCID iDs in Elements' 'auto-claiming'

Elements also uses ORCID iDs for their intended purpose - to help uniquely identify researchers and contributors in records across the research ecosystem.

Elements mines the metadata included with publications from data sources to find unique IDs, including ORCID iDs.

IDs are offered to the researcher and, once claimed, used to search for more publications and also (optionally) to auto-claim them, saving the researcher time and effort.

Once they have claimed an ORCID iD researchers can also choose to authenticate it.



Overview of write integration

x3 new feature sets:

System Configuration

- Enable ORCID write integration for the institution
- Define mapping between Elements publication types and ORCID work types
- Update 'Global settings' page with information for affiliation

User Authorisation

- New 'ORCID settings' page will allow users to control write integration - both sending publications and asserting affiliation
- N.B. This will require a re-authentication of ORCID connection

Ongoing User Control

- Users will have visibility that publications have been sent to ORCID and control to send/remove individual publications
- Users have control over asserting their affiliation
- Publication push managed as part of a queue (i.e. not instant)

Mapping between types

- Out-of-the-box setup for default Elements types
- Bespoke mapping possible for custom publication types
- Achieved via a simple CSV download / upload process.

Elements identifier		ORCID work type	ORCID category
artefact		other	Other
book		book	Publications
chapter		book-chapter	Publications
composition		other	Other
conference		conference-paper	Conference
dataset		data-set	Other
design		other	Other
exhibition		other	Other
figure		other	Other
fileset		other	Other
internet-publication		other	Other
journal-article		journal-article	Publications
media		other	Other
other		other	Other
patent		patent	Intellectual Property
performance		artistic-performance	Other
presentation		lecture-speech	Other
poster		conference-poster	Conference
report		report	Publications
scholarly-edition		other	Other
software		software	Other
thesis-dissertation		dissertation	Publications

Demonstration of functionality in Elements...

McMaster Experts: Elements, ORCID, & Research Information Integration at McMaster University

Jay Brodeur

McMaster University Library

ORCID + Symplectic Elements Webinar
27-May, 2020



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McMaster Experts is McMaster University's researcher and expertise discovery gateway that aims to facilitate collaboration among academic researchers and spark increased engagement with other communities in academia, industry, and the media, locally, nationally, and internationally.

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McMaster Experts in the News

Eric Brown recognized with Killam Research Fellowship for work on antibiotic resistance MAY 26

Mindy Kaling's 'Never Have I Ever' makes me feel hopeful about representation, gender and race MAY 26

Scientists see through glass frogs' translucent camouflage MAY 25

Evidence shows cloth masks may help against COVID-19 MAY 25

The chronic stress of coronavirus is affecting your mental health. Here's how exercise can help MAY 22

Cell tower vandals and #Reopen protestors: Why some people believe in coronavirus conspiracies MAY 22



[Dr. Sheila Singh](#), Associate Professor
Surgery and Biochemistry



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McMaster Experts

**Research
Information
Management
System [RIMS]**



Elements



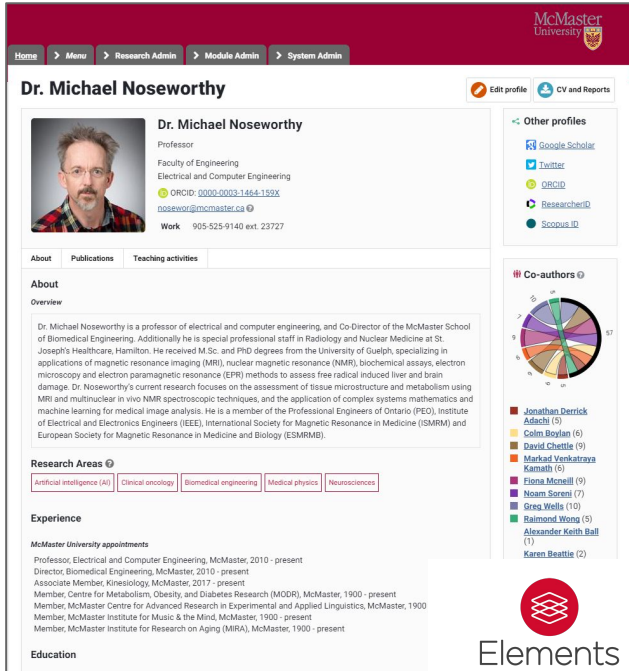
**Ontology +
Linked data
application for
scholarship**



connect • share • discover

McMaster Experts integrates a Research Information Management System (RIMS) with a semantic web application for displaying scholarship, to provide a central system for collecting and displaying information about McMaster's researchers and their scholarly work.

McMaster Experts



Dr. Michael Noseworthy

Professor
Faculty of Engineering
Electrical and Computer Engineering
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nosewor@mcmaster.ca
Work: 905-525-9140 ext. 23727

About | Publications | Teaching activities

About
Overview

Dr. Michael Noseworthy is a professor of electrical and computer engineering, and Co-Director of the McMaster School of Biomedical Engineering. Additionally he is special professional staff in Radiology and Nuclear Medicine at St. Joseph's Healthcare, Hamilton. He received M.Sc. and PhD degrees from the University of Guelph, specializing in applications of magnetic resonance imaging (MRI), nuclear magnetic resonance (NMR), biochemical assays, electron microscopy and electron paramagnetic resonance (EPR) methods to assess free radical induced liver and brain damage. Dr. Noseworthy's current research focuses on the assessment of tissue microstructure and metabolism using MRI and multinuclear in vivo NMR spectroscopic techniques, and the application of complex systems mathematics and machine learning for medical image analysis. He is a member of the Professional Engineers of Ontario (PEO), Institute of Electrical and Electronics Engineers (IEEE), International Society for Magnetic Resonance in Medicine (ISMRM) and European Society for Magnetic Resonance in Medicine and Biology (ESMRMB).

Research Areas

Artificial intelligence (AI) | Clinical oncology | Biomedical engineering | Medical physics | Neuroscience

Experience

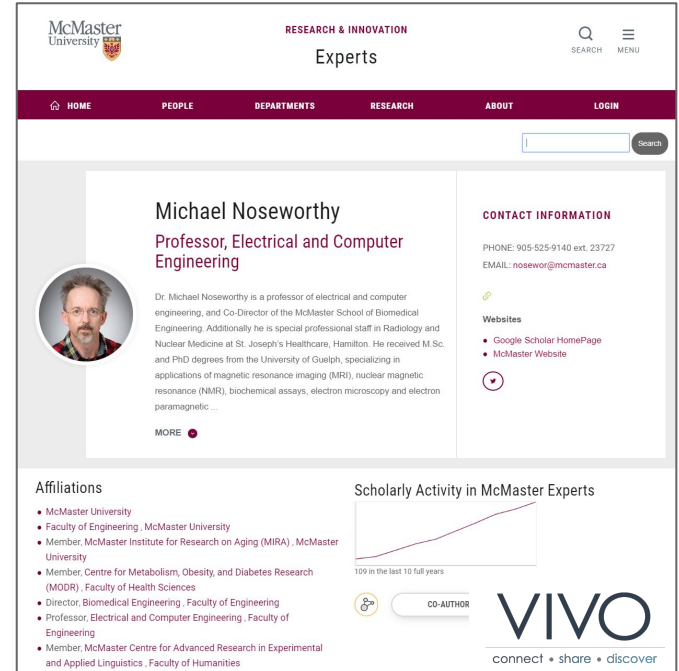
McMaster University appointments
Professor, Electrical and Computer Engineering, McMaster, 2010 - present
Director, Biomedical Engineering, McMaster, 2010 - present
Associate Member, Kinesiology, McMaster, 2017 - present
Member, Centre for Metabolism, Obesity, and Diabetes Research (MODR), McMaster, 1900 - present
Member, McMaster Centre for Advanced Research in Experimental and Applied Linguistics, McMaster, 1900 - present
Member, McMaster Institute for Music & the Mind, McMaster, 1900 - present
Member, McMaster Institute for Research on Aging (MIRA), McMaster, 1900 - present

Education

Co-authors

- Jonathan Derrick Adachi (5)
- Colin Boylan (6)
- David Chettle (9)
- Marked Venkatasraya Kamath (6)
- Fiona Monnell (9)
- Noam Sorell (7)
- Greg Wells (10)
- Raimond Wong (5)
- Alexander Keith Ball (1)
- Karen Beattie (2)

Elements



McMaster University RESEARCH & INNOVATION

Experts

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Michael Noseworthy
Professor, Electrical and Computer Engineering

Dr. Michael Noseworthy is a professor of electrical and computer engineering, and Co-Director of the McMaster School of Biomedical Engineering. Additionally he is special professional staff in Radiology and Nuclear Medicine at St. Joseph's Healthcare, Hamilton. He received M.Sc. and PhD degrees from the University of Guelph, specializing in applications of magnetic resonance imaging (MRI), nuclear magnetic resonance (NMR), biochemical assays, electron microscopy and electron paramagnetic ...

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EMAIL: nosewor@mcmaster.ca

Websites

- Google Scholar HomePage
- McMaster Website

Affiliations

- McMaster University
- Faculty of Engineering, McMaster University
- Member, McMaster Institute for Research on Aging (MIRA), McMaster University
- Member, Centre for Metabolism, Obesity, and Diabetes Research (MODR), Faculty of Health Sciences
- Director, Biomedical Engineering, Faculty of Engineering
- Professor, Electrical and Computer Engineering, Faculty of Engineering
- Member, McMaster Centre for Advanced Research in Experimental and Applied Linguistics, Faculty of Humanities

Scholarly Activity in McMaster Experts

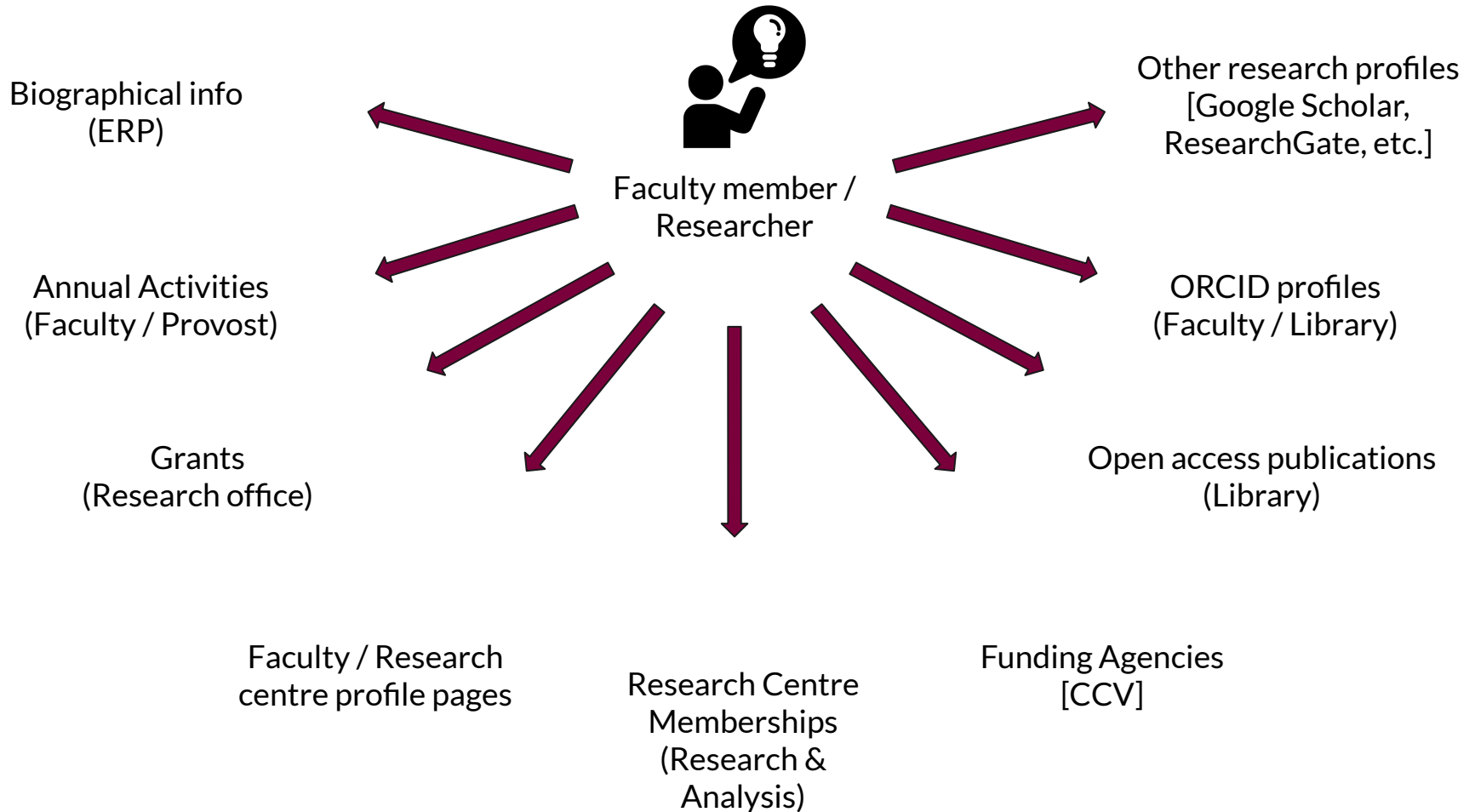
109 in the last 10 full years

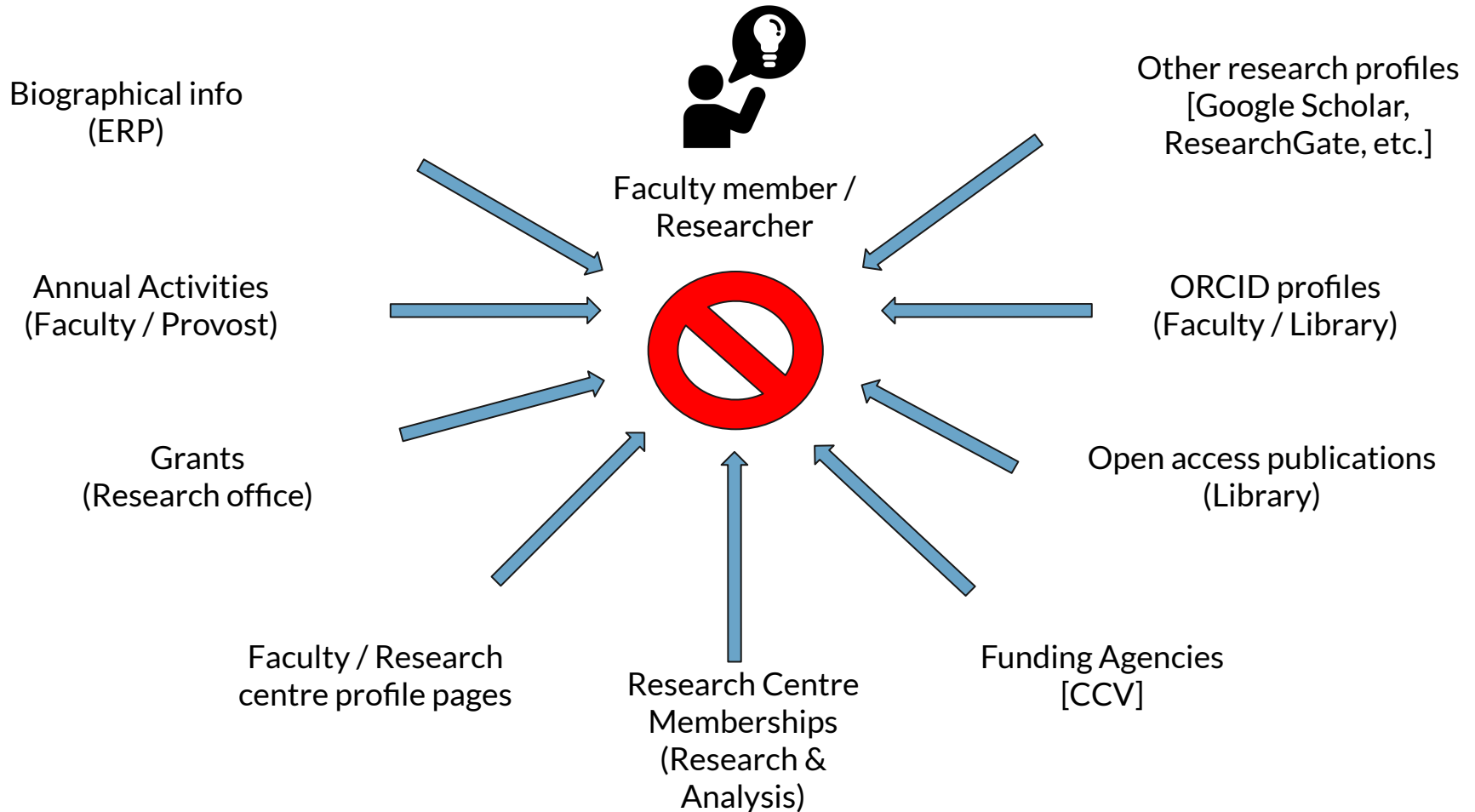
VIVO
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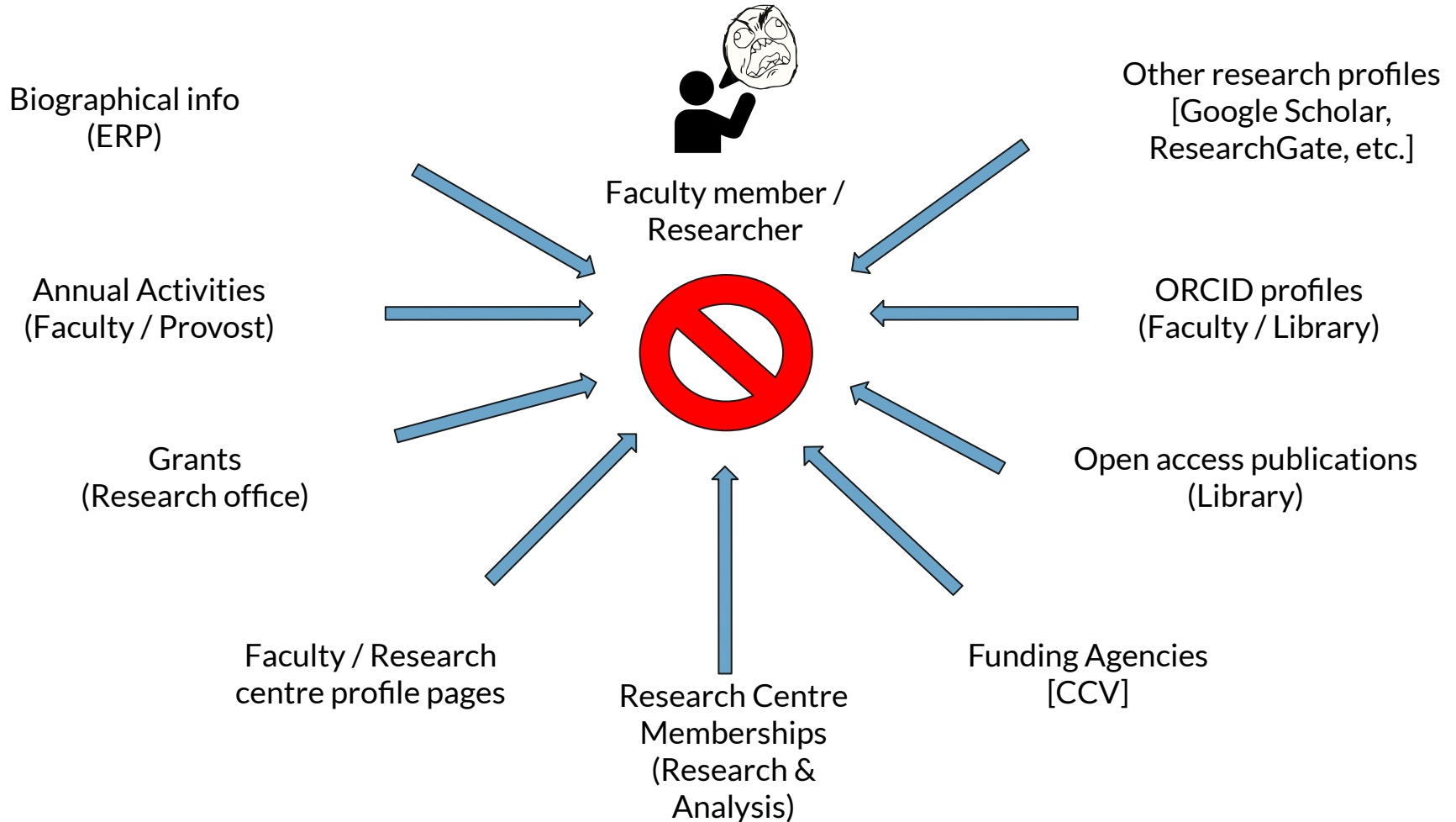
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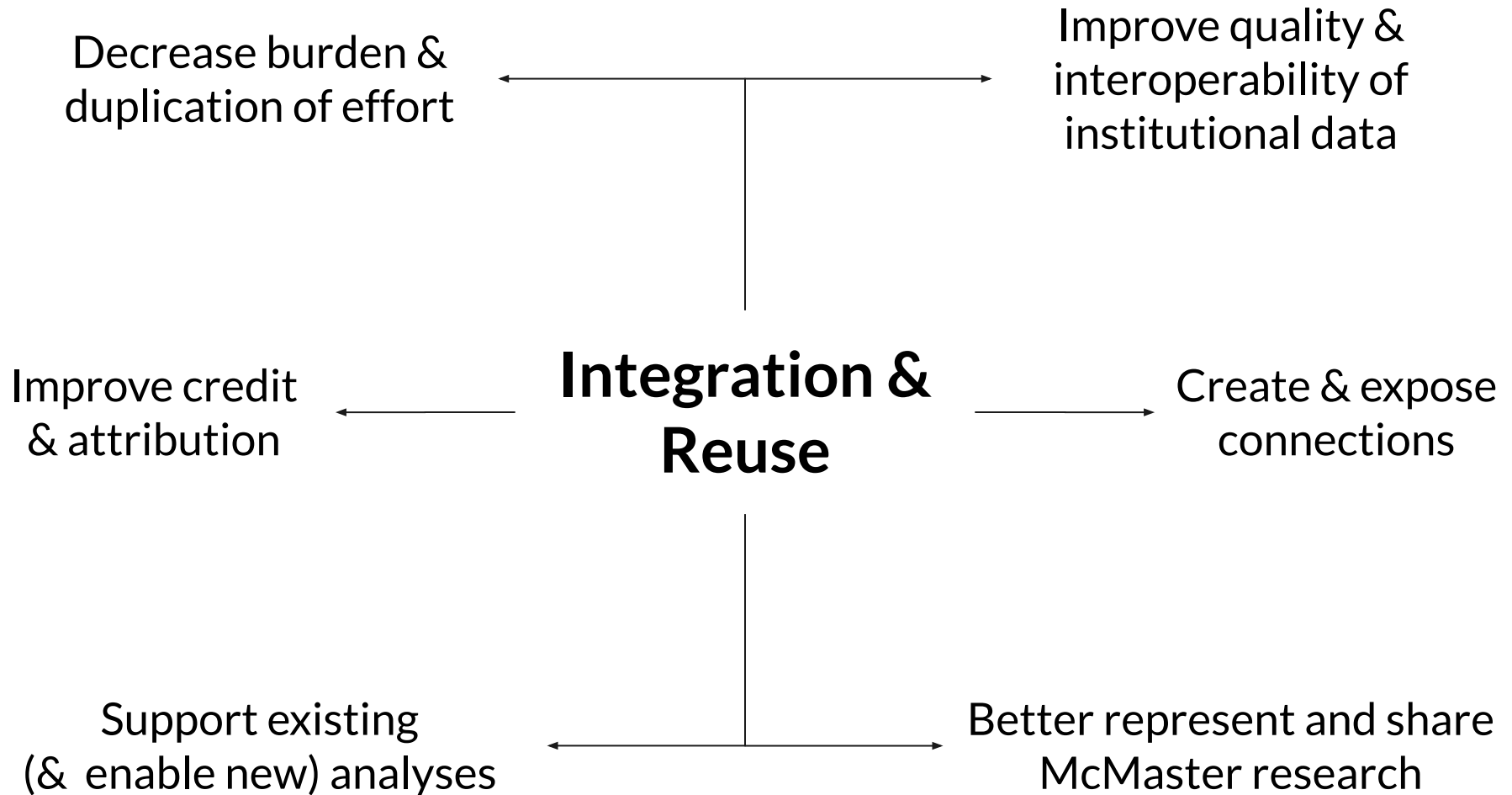


Faculty member /
Researcher

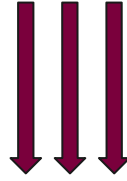








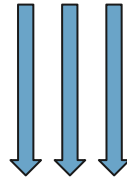
Curated profile /
publication
information



Authoritative
information from
other systems



Information to
other systems



Curated profile /
publication
information

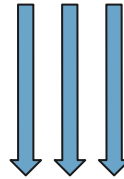
ORCID
as identity

Automated
publication claiming

Authoritative
information from
other systems



Information to
other systems



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Curated profile /
publication
information

ORCID
as identity

Automated
publication claiming

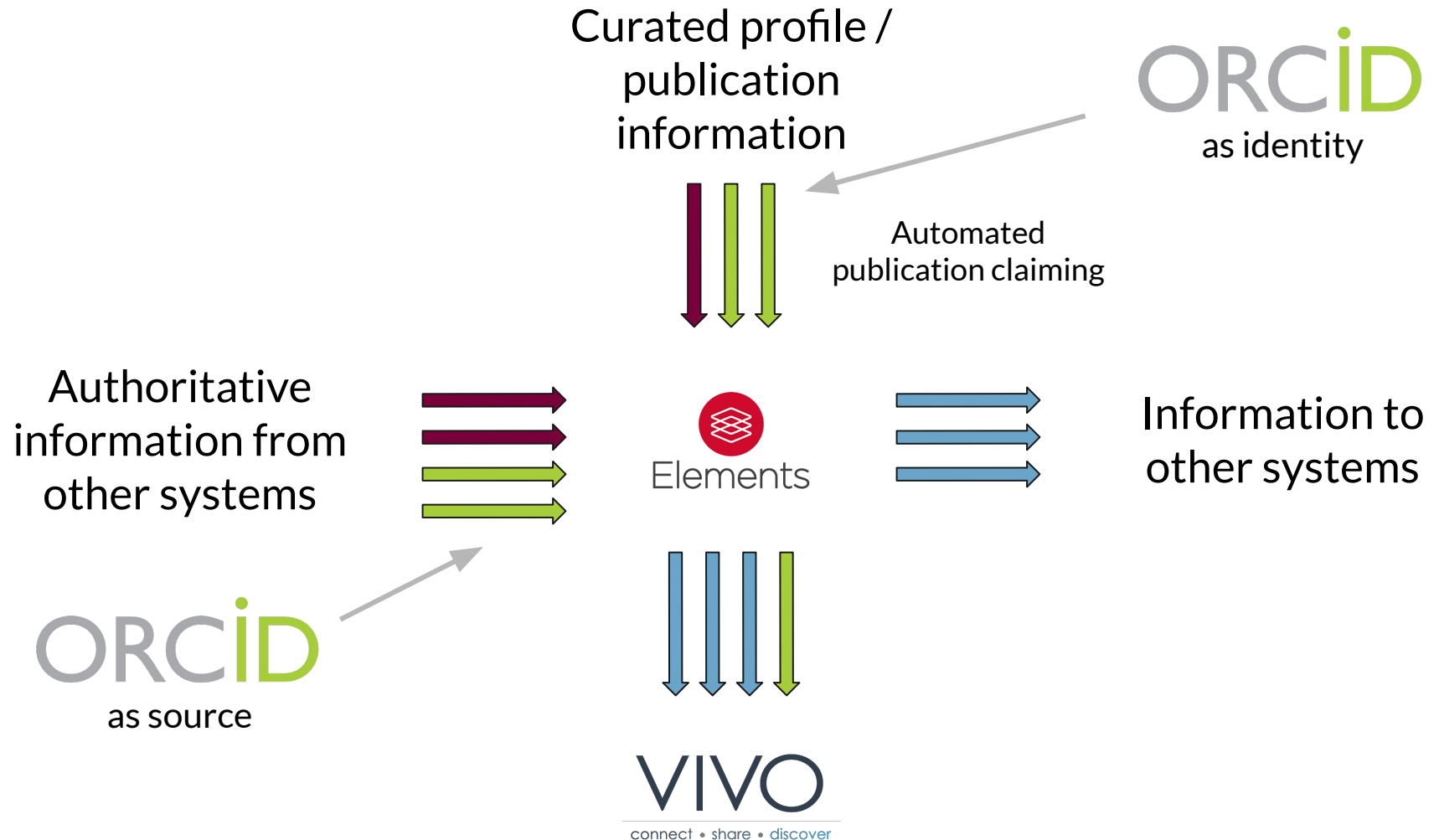
Authoritative
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Elements

Information to
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ORCID
as source

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Curated profile /
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information

ORCiD
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Automated
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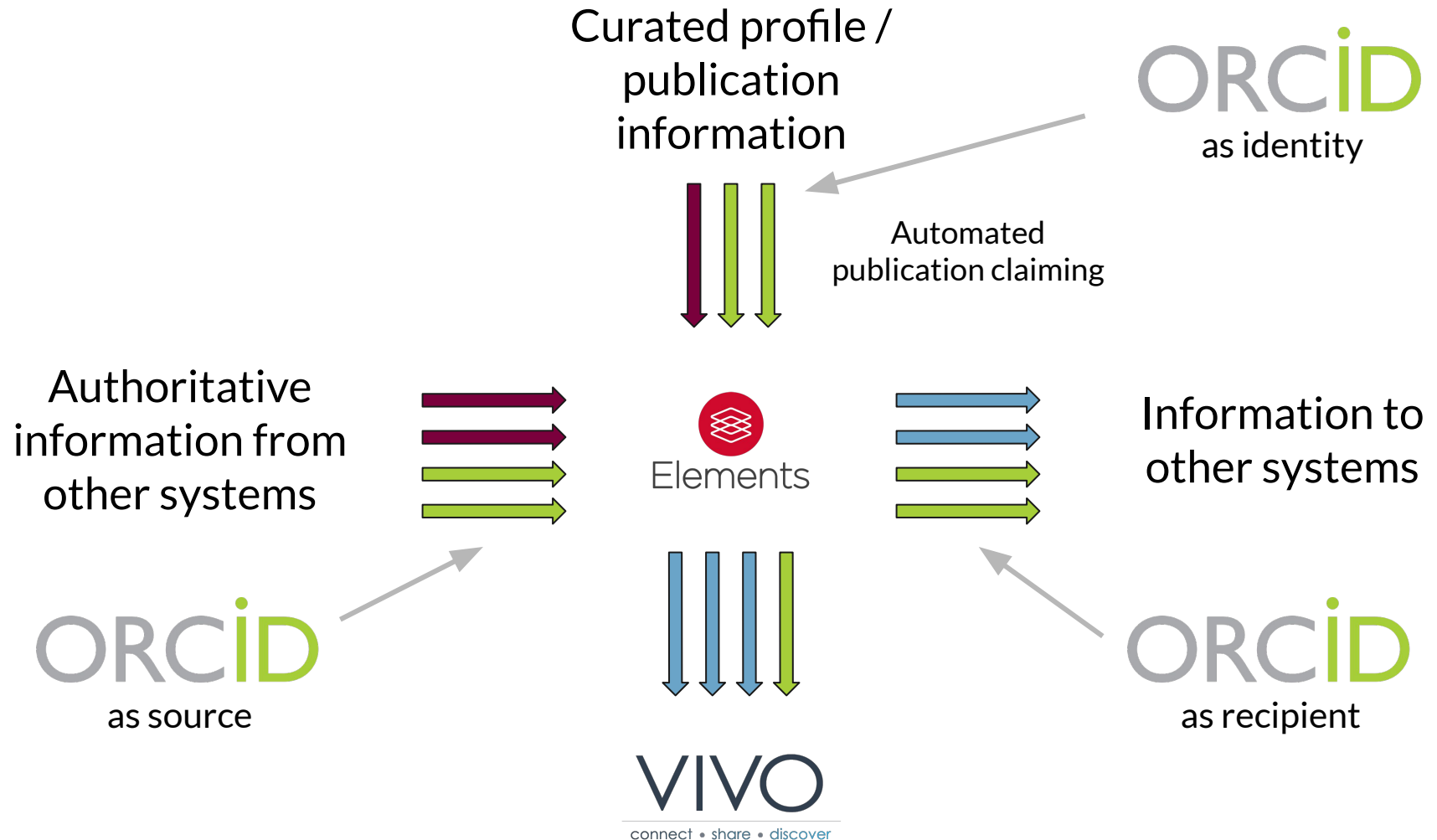
ORCiD
as source

Information to
other systems

ORCiD
as recipient

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Other Profile Pages & Systems

Information pulled dynamically
from Elements to other profile
pages and systems

Streamlined creation of Open Access
MacSphere submissions



Experts



Manually-exported bibtex files can be
used to populate publication lists

ORCiD used to auto-claim publications
ORCiD as secondary data source

Bulk 'push' publication records





University of California

CDL

California Digital Library

**Symplectic Elements & ORCID
@ the University of California**



2020.05.27

Alainna Therese Wrigley, UC Publication Management System Coordinator
oapolicy-help@universityofcalifornia.edu |  <https://orcid.org/0000-0002-6138-0903>

California Digital Library



ORCID @ UC

UC ORCID member organizations

- UC Davis
- UC Irvine: ORCID US Community
- UCLA: ORCID US Community
- UC San Diego: ORCID US Community
- UCSF: ORCID US Community
- UC Santa Barbara: ORCID US Community
- California Digital Library (Office of the President): ORCID US Community



UNIVERSITY
OF
CALIFORNIA



UC Open Access Policies

Empower UC employees to make scholarly articles available in an open access repository

- May 2012: UCSF Academic Senate faculty
- July 2013: UC Academic Senate faculty
- October 2015: All non-Senate UC employees

California Digital Library and UC campus partners provide tools & services to support OA policy participation

- **eScholarship:** Open access repository & publishing platform
- **UC Publication Management System:** Systemwide implementation of Symplectic Elements

Open Access Publications from the University of California

UC Santa Cruz
Explore all of our campuses >

eScholarship Repository
Open Access repository services for UC researchers to share their scholarly output.
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eScholarship Publishing
Open Access publishing for journals, monographs, conference proceedings and more.
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Why Open Access with eScholarship?

Good for Authors
Open Access research is read and cited more than access-restricted scholarship, increasing the academic impact of and public engagement with your ideas.

Good for Readers
The University of California's Open Access policies extend the University's public mission to share broadly — throughout California, the nation, and the world — the research and knowledge produced at our campuses.

Metrics of Use

Metric	Value
Items	272,326
Views	68,652,269

[Learn more about UC Open Access >](#)

eScholarship: UC's open access publications

<https://escholarship.org>

Elements @ UC

“[A]s convenient for the Faculty as possible”*

- **Automated** publication record harvesting & claim/deposit notifications
- **Streamlined** verification & document upload
- **Contextualized** deposit advice
- **Coverage** of all disciplines

Efficient & connected

- **System-wide** implementation of Symplectic Elements
- **Integrated** with eScholarship, USDOE OSTI, ORCID, & other systems
- APIs for **leveraging** collected publication (& other) data

The screenshot shows the UC Publication Management System interface for Prof. Christoph Kirst. At the top right is the UCSF logo. Below it, a navigation bar has 'Home' and 'Menu' buttons. The main header says 'Welcome, Prof. Christoph Kirst' and includes a profile picture, affiliation 'UC San Francisco/LBL (joint appointees)', email 'Christoph.Kirst@ucsf.edu', and ORCID '0000-0003-4867-5288'. A 'Go to your profile' button is below the profile picture. The 'My Actions (1)' section shows a notification: 'You have 2 publications: do some of them need to be linked to funding?'. The 'My Summary' section features a bar chart titled '2 publications' showing counts for 2018, 2019, and 2020. Below the chart are sections for 'Claimed publications' (2 journal articles), 'Pending publications' (none), 'Claimed grants' (2 funds), 'Pending grants' (none), and 'Professional activities' (none). Each section has an '+ add' button.

Year	Count
2018	1
2019	0
2020	1

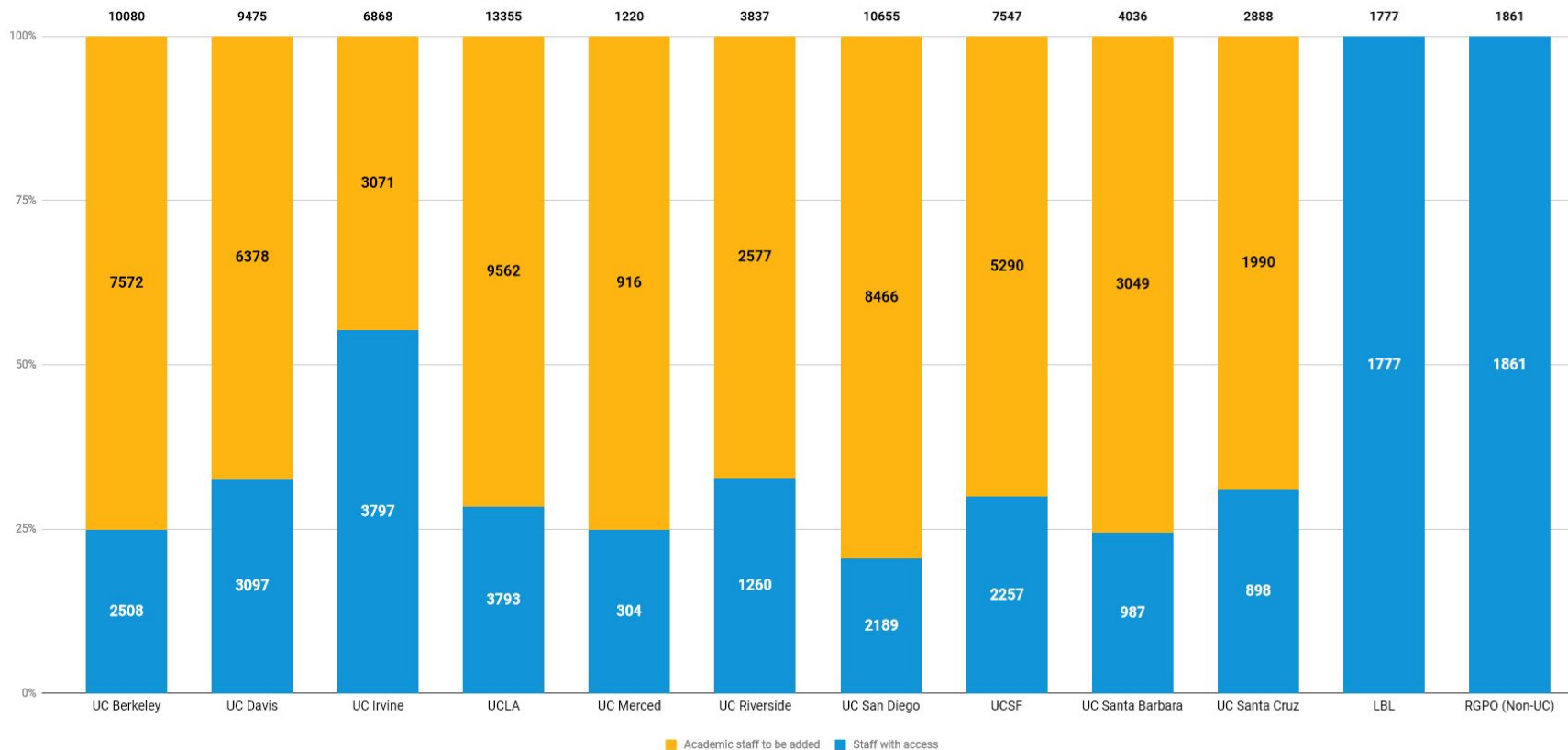
Category	Count
Claimed grants	2 funds
Pending grants	0

Category	Count
Professional activities	0

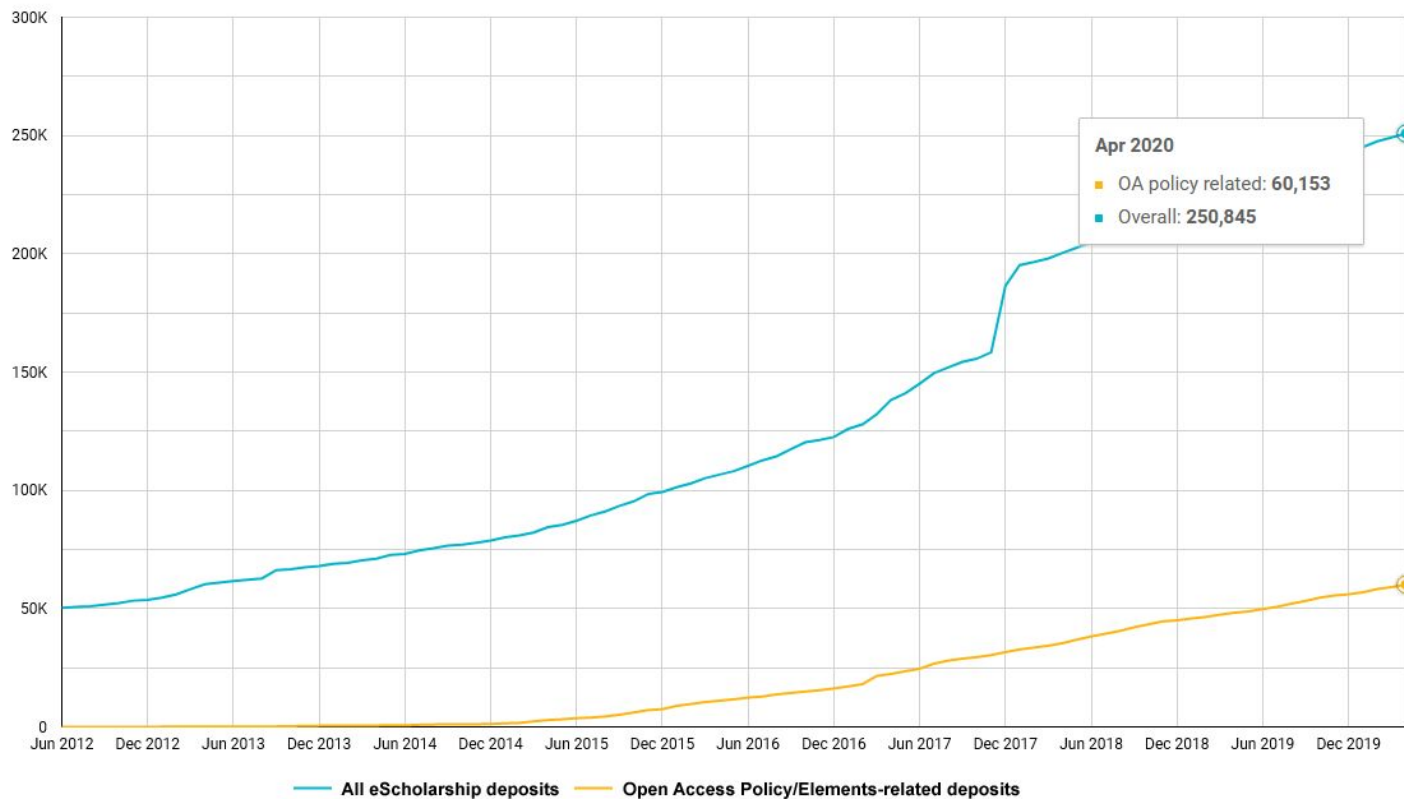
UC Publication Management System
<https://oapolicy.universityofcalifornia.edu>

*UC Systemwide Academic Senate Open Access Policy (<http://uc-oa.info>)

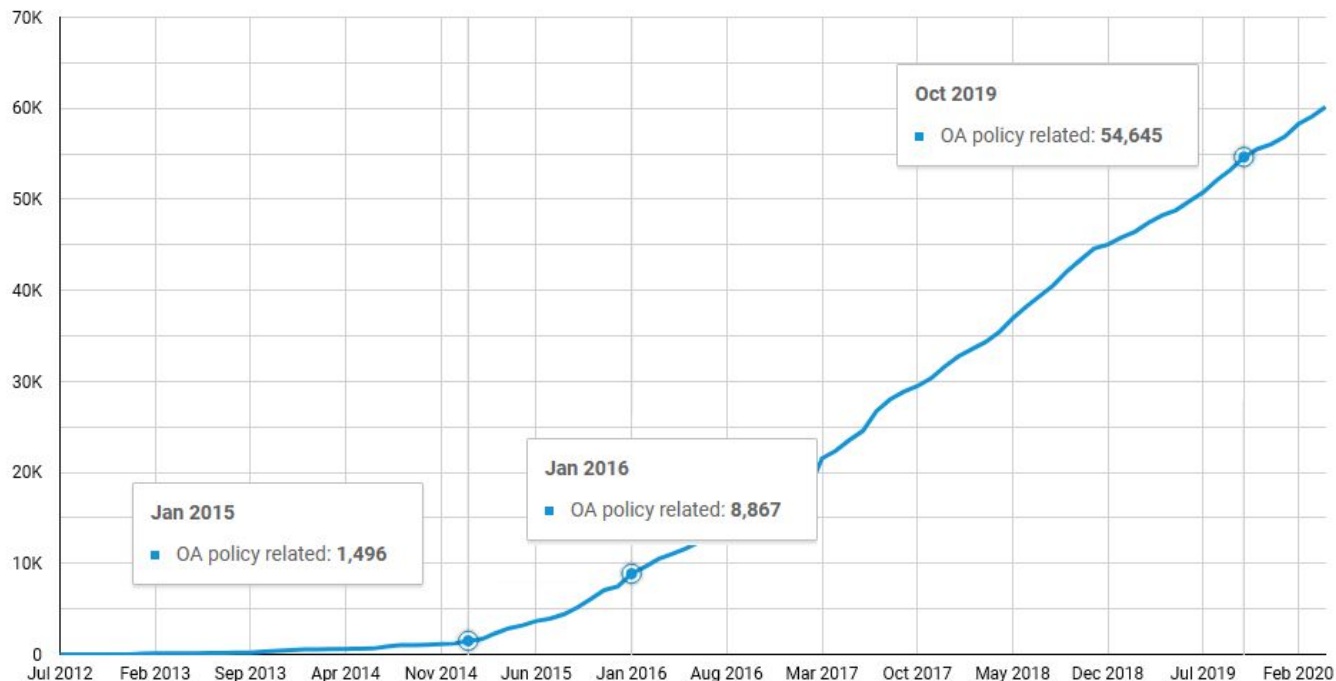
UC staff with Elements access



eScholarship deposits



Elements & OA Policy-related deposits



Open-access related deposits since July 2012 (UCSF Senate OA Policy adoption)

Jan 2015: Elements pilot (Senate faculty)

Jan 2016: All campuses in Elements (Senate faculty)

Jan 2017: LBL Elements pilot


Oct 2019: UC Irvine pilot for non-senate staff

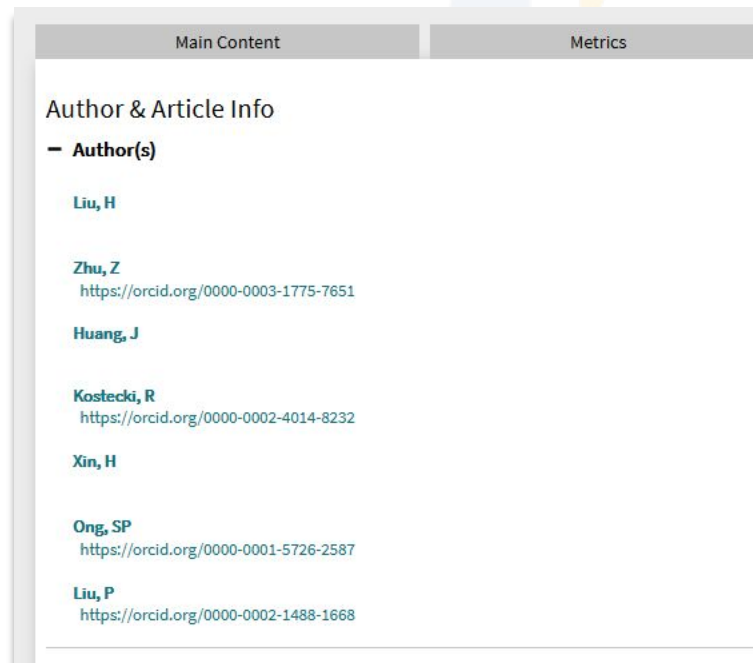
ORCID, Elements, and eScholarship

ORCID iDs in Elements

- Researchers can connect claim ORCID iDs to disambiguate and auto-claim publications since feature launch
- Authenticated iDs passed to eScholarship deposits in full https uri format per iD display guidelines

ORCID iDs in eScholarship

- Future goal: Display  icon per iD display guidelines
- Future goal: Authenticate ORCID iDs in peer review & journal submission platform



ORCID iDs authenticated in Elements display in eScholarship
Source: <https://escholarship.org/uc/item/5xf913tx>

ORCID write in UC Elements

ORCID works only

- Researchers choose which works to write
- All works include source work IDs for easy tracking in Elements
- Launched March 19, 2020 – just as COVID-19 stay-at-home order announced

No write affiliation

- Currently no support for consortium use – all affiliations have single name & GRID ID
- Users expect their institution to be named, not “UC System”
- Cannot disable affiliation write at group level

Laser and electron deflection from transverse asymmetries in laser-plasma accelerators.

Physical Review E

2019-12 | journal-article

PMID: 31962408

DOI: [10.1103/physreve.100.063208](https://doi.org/10.1103/physreve.100.063208)

Part of ISSN: 2470-0045

WOSUID: WOS:000504639000017

SOURCE-WORK-ID: 2789959

Source: University of California Publication Management System

★ Preferred source

Example work: <https://orcid.org/0000-0003-0542-4358>

University of California: Oakland, US

Employment

Organization identifiers

GRID: [grid.30389.31](https://grid.ac/units/grid.30389.31)

University of California System: Oakland, California, US

<http://www.universityofcalifornia.edu/>

Added

2020-03-04

Last modified

2020-03-04

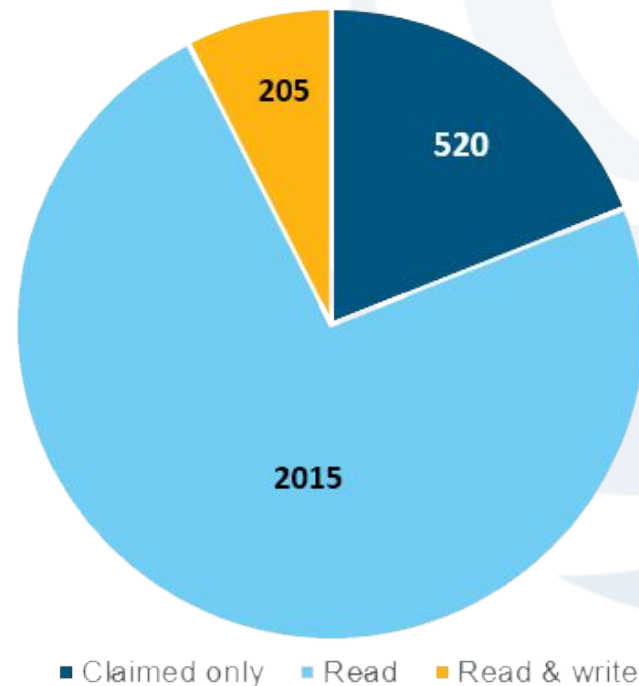
Source: University of California Publication Management System

★ Preferred source

Example affiliation: <https://sandbox.orcid.org/0000-0002-1710-395X>

UC ORCID iDs in Elements

Institution	Users	Claimed iDs	% Claimed
UC Berkeley	2508	247	9.8%
UC Davis	3097	339	10.9%
UC Irvine	3797	346	9.1%
UCLA	3793	335	8.8%
UC Merced	304	55	18.1%
UC Riverside	1260	147	11.7%
UC Santa Barbara	987	87	8.8%
UC Santa Cruz	898	70	7.8%
UC San Diego	2189	267	12.2%
UCSF	2257	236	10.5%
L. Berkeley Lab	1777	587	33.0%
RGPO (Non-UC)	1861	24	1.3%
Total	24728	2740	11.1%



Thank you!

eScholarship

<https://escholarship.org>

UC Open Access Policies

<http://uc-oa.info>

UC Publication Management System Support

<https://help.oapolicy.universityofcalifornia.edu>

Questions? Comments? Contact:

Alainna Therese Wrigley

 <https://orcid.org/0000-0002-6138-0903>

oapolicy-help@universityofcalifornia.edu

