

ORCID US Community Showcase #6



April 27, 2021

Presented by the ORCID US Community (supported by LYRASIS), in partnership with ORCID, Rutgers University, Smithsonian Astrophysical Observatory, and the University of Arizona



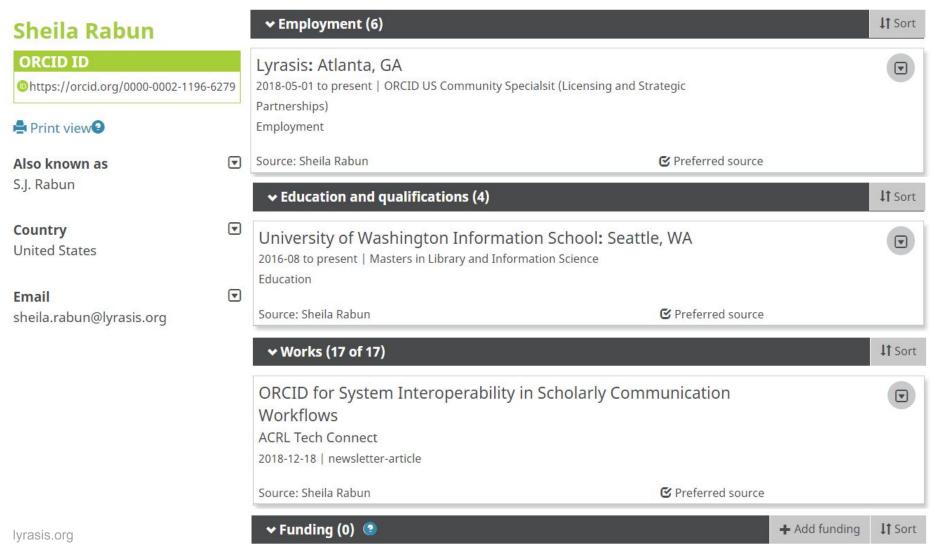


- ORCID US Community Overview
- Global ORCID Overview
- Highlights from US ORCID members:
 - Rutgers University
 - Smithsonian Astrophysical Observatory
 - University of Arizona
- Questions & Discussion

ORCID: Open Researcher & Contributor ID



https://orcid.org/0000-0002-1196-6279



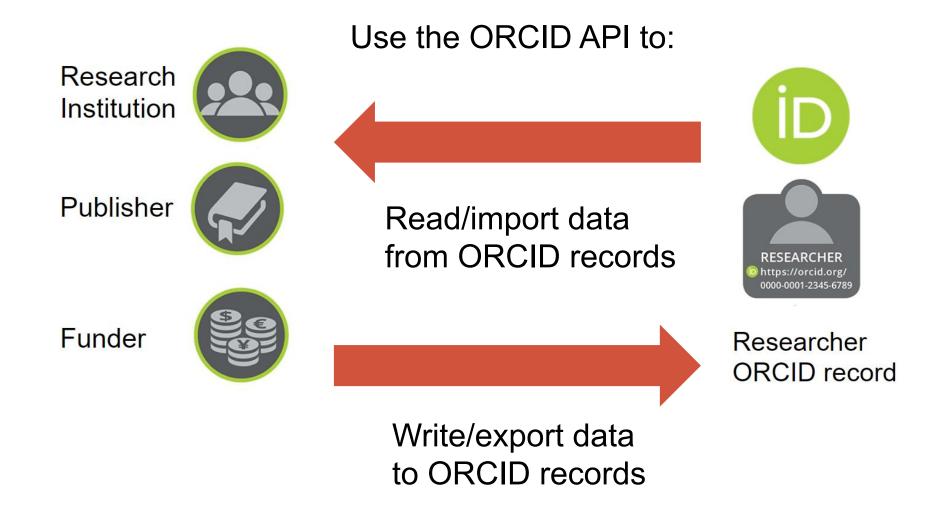


ENTER ONCE INTEROPERABILITY -**REUSE OFTEN PUBLISHER EMPLOYER** Assert authorship Assert affiliation **RESEARCHER** https://orcid.org/ 0000-0001-2345-6789 CONNECT COLLECT **ORCID API** (Application **Programming** Interface) **FUNDER**

Assert award

ORCID API: Application Programming Interface

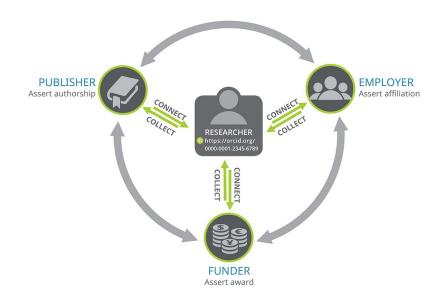






Effective ORCID adoption requires 3 equally important components:

- 1. Stakeholder Support
- 2. Technical Integration
- 3. Outreach & Education











 National consortium for premium ORCID membership



Any non-profit research institution can join as a member





LYRASIS as home



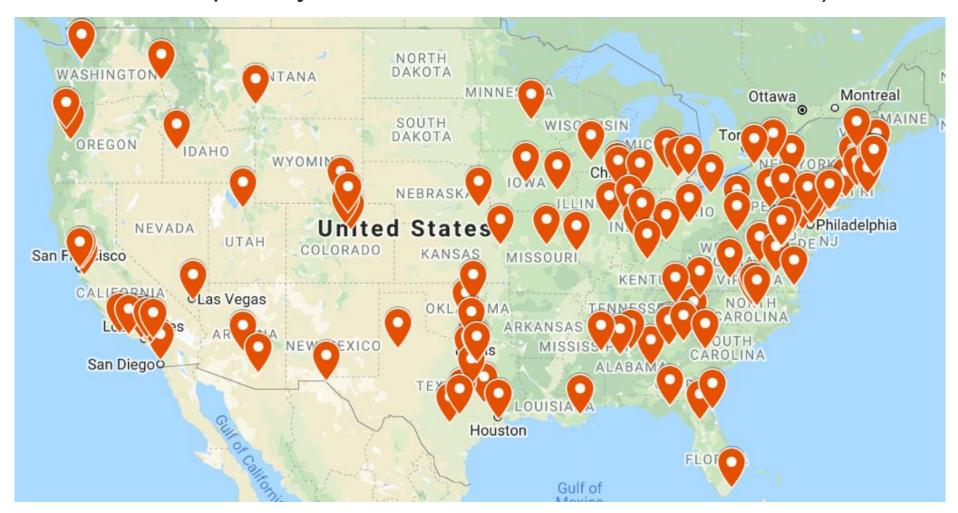


- Building a community of practice around ORCID in the US
- Substantially reduced fee for ORCID membership
- Dedicated resources, technical & community support





147 institutional members (universities, research institutes, health & hospital systems, health research funders, etc.)





ORCID in the United States

ORCID Members 257

- 156 Research Institutions
- 31 Publishers
- 27 Associations
- **26 Government (Federal)**
- 16 Service & Technology Providers
- **5 Funders**

Active ORCID System Integrations 282

ORCID: Americas Region



THE AMERICAS REGION

CANADA

1 Consortia

42 Members

22 Integrations

Mexico

7 Members

5 Integrations

Chile

2 Members

1 Integration

US

2 Consortia

257 Members

282 Integrations

Brazil

1 Consortia

13 Members

10 Integrations

Peru

8 Members

2 Integration

Colombia

1 Consortia

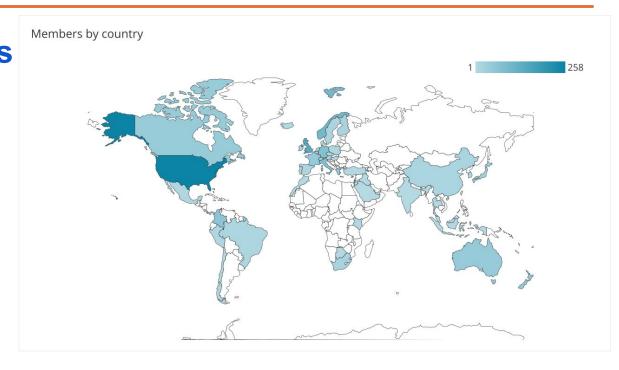
58 Members

2 Integration

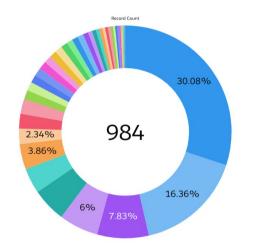
ORCID: Global Picture



11.5 Million ORCID iDs1238 Members24 Consortia984 IntegrationsNumber of works



Active Integrations by Country





72,590,867



ORCID: Affiliation manager and goals for 2021

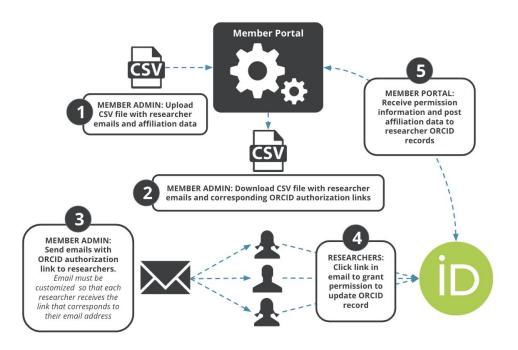
April 27th 2021

Affiliation Manager

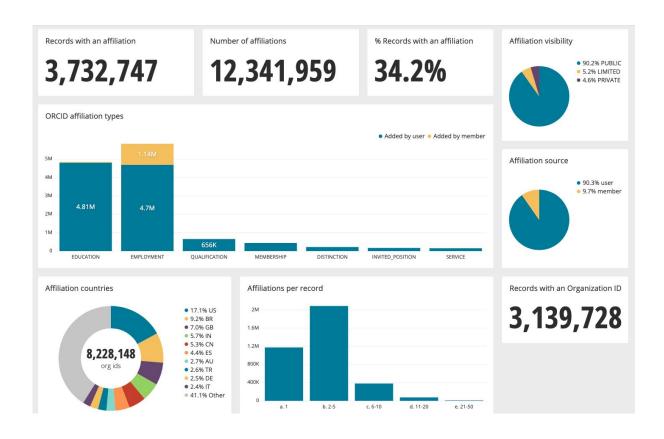
- Pilot testing phase now complete
- Released to production early 2021
- Rollout to wider community in May 2021



Affiliation Manager



Affiliation Data



New features

- ROR
- <u>CREDIT roles</u>
- Link funding identifiers to work items (relationship "funded-by")
- Allow OpenID integrators to read private emails at authorisation with users permission
- Allow researchers to proactively grant permission to members

Tell us what you need!

Product Roadmap https://trello.com/b/CTB1InDi/orcid-product-roadmap

ORCID @ Rutgers University





Supporting ORCID@Rutgers

Yingting Zhang, MLS, AHIP
Research Services Librarian
Adjunct Assistant Professor, RWJMS
RWJ Library of the Health Sciences
Rutgers, The State University of New Jersey

ORCID US Community Showcase Webinar April 27, 2021



Outline

- Introduction
- ☐ Planning & Implementation
- Outreach
- Current Status
- ☐ Next Steps





Rutgers, The State University of New Jersey





Why ORCID?







Timeline of Implementing ORCID@Rutgers

- ☐ Feb 2016 RU Senate voted YES for University-Wide implementation of ORCID
- May 2016 Senate Resolution was signed off by University President





- ☐ April 2017, ORCID@Rutgers went live (soft launch)
- □ ORCID@Rutgers was officially launched on October 18, 2017
- On-going: Rutgers researchers continue to create and/or connect their ORCID iDs to NetIDs.
- The Working Group continues to explore potential integrations.







Implementation Working Group

Chaired by Dr. Krisellen Maloney, Vice President for Information Services and University Librarian, the Implementation Working Group was comprised of representatives from:

- Office for Research (formerly ORED)
- ☐ Rutgers University Libraries
- ☐ Office of Information Technology
- Office of Institutional Research & Academic Planning
- ☐ Office of Enterprise Risk Management, Ethics, and Compliance
- University Human Resources
- ☐ School of Graduate Studies





Rutgers ORCID Outreach Team

A Sub-Group of the RUL Research and Scholarly Environment Working
Group (RaSE WG) was formed in early 2017 to help plan and
support implementation of and promote ORCID@Rutgers.
Members include:

- ☐ Laura Bowering Mullen, Open Access Specialist
- ☐ Jane Otto, Scholarly Open Access Repository Librarian (Retired in July 2018)
- Yingting Zhang, Research Services Librarian (then RaSE WG chair)



Outreach and Promotion Activities

Communication plans
Website for ORCID@Rutgers
Brochures and handouts
Tutorials, step-by-step instructions, and boilerplate, etc.
Brown bag sessions and train-the-trainers sessions for librarians
Presentations to researchers and research development professionals
One-on-one consultations
Answering ORCID related questions from faculty, students and staff
Training sessions on using ORCID in SciENcv to develop NIH and NSF biosketches





ORCID @ Rutgers Webpage



Library services are available online while our buildings are closed.

Please visit Online Services and Resources for support navigating the change.

Home > Services & Tools > Information for Researchers & Scholarly Communication > ORCID

Information for Researchers & Scholarly Communication

Citation Management Tools

Copyright and Licensing

Digital Humanities

Digitization Projects

NIH Public Access and More

Open Access Policy and SOAR

ORCID

Why ORCID?

ORCID @ Rutgers

FAQ and Help

Learn More

ORCID

ORCID® provides a persistent digital identifier that distinguishes you from other researchers.

ORCID iDs are increasingly used by funding agencies, publishers, and other organizations to connect researchers to workflows.

Join a research community of millions.

Raise visibility of your researcher profile with an ORCID iD-enhanced Rutgers directory listing.

Help build an integrated Rutgers research environment.





What is ORCID? from ORCID on Vimeo.

https://www.libraries.rutgers.edu/services-for-researchers/orcid





ORCID Integrations by Rutgers OIT

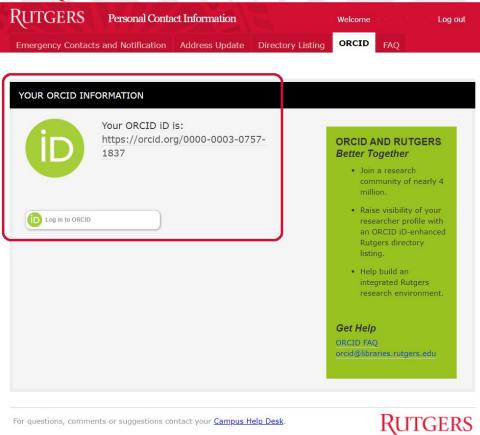
- ☐ Rutgers Personal Information application
 - Added an ORCID 'tab'
 - Provided the "ORCID Create or Connect" button for integrating with ORCID site
 - Displayed ORCID iD if connected with Rutgers NetID
- ☐ Federated Single Sign-on (NetID)
 - Integrate ORCID with Shibboleth/CAS to allow users with "linked" accounts, to login with NetID.
- □ Rutgers Online Directory
 - ORCID iD is displayed on the user's profile page in the Rutgers public directory, linked to his or her ORCID Profile page



Help

Updates





People Websites RBHS Search Buildings a Ex: Smith, Jo*n or John Smith or Van Buren, or ,John (STAFF, FACULTY) Telephone Numbers (Local Business) Phone: (732) 235-7604 **Email Address** Staff: Faculty: yzhang@libraries.rutgers.edu Postal Address Staff/Faculty EVPAA-RBHS Library NB/PISC 1 Robert Wood Johnson Place New Brunswick, NJ 08901-1311 Location Medical Education Building MEB Staff/Faculty: College Av ORCID (Open Researcher & Contributor ID): http://orcid.org/0000-0003-0757-1837

RUTGERS



What Have Been Accomplished

- ☐ Implementation of ORCID@Rutgers was completed in October 2017.
- □ As of today (April 27, 2021),
 - 9,631 people registered in ORCID with Rutgers emails
 - 4,171 researchers connected their ORCID iDs to Rutgers NetIDs.¹

Connected users can access their ORCID profile page via Rutgers NetID.

- ☐ ORCID iDs are displayed in the public Rutgers online directory.
- Integration with PURE was turned on but was not used by researchers.²



Conclusion & Next Steps

- Many researchers have created their ORCID iDs; but about half of them have not connected their ORCID iDs to NetIDs.
- ☐ Various reasons for not connecting.
- More outreach efforts and training workshops are needed to raise researchers' awareness and encourage their adoption of ORCID@Rutgers.



THANK YOU!

Questions? Please contact: Yingting Zhang

yzhang@rutgers.edu

This presentation is partially based on a paper presentation at MLA'20 Annual Meeting

ORCID @ Smithsonian Astrophysical Observatory



ADS/ORCID Integration

Kelly Lockhart, PhD

Software Engineer
NASA Astrophysics Data System
Center for Astrophysics | Harvard & Smithsonian

ORCID US Community Showcase Webinar #6, 27 April 2021



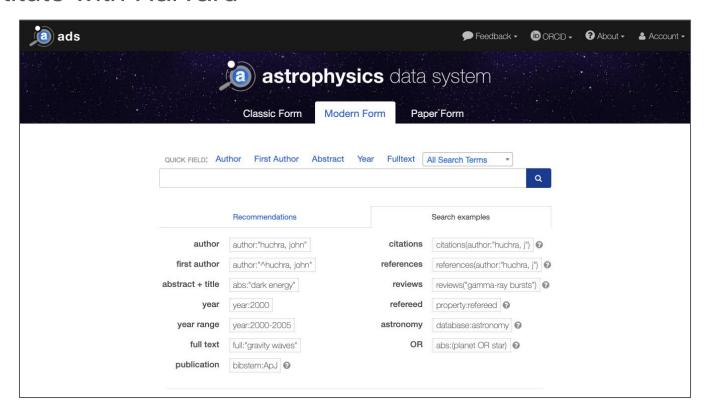






Who We Are

- The project: NASA Astrophysics Data System
- Parent organization: Smithsonian Astrophysical Observatory
- Based at the Center for Astrophysics in Cambridge, in a joint institute with Harvard





Why ORCID?

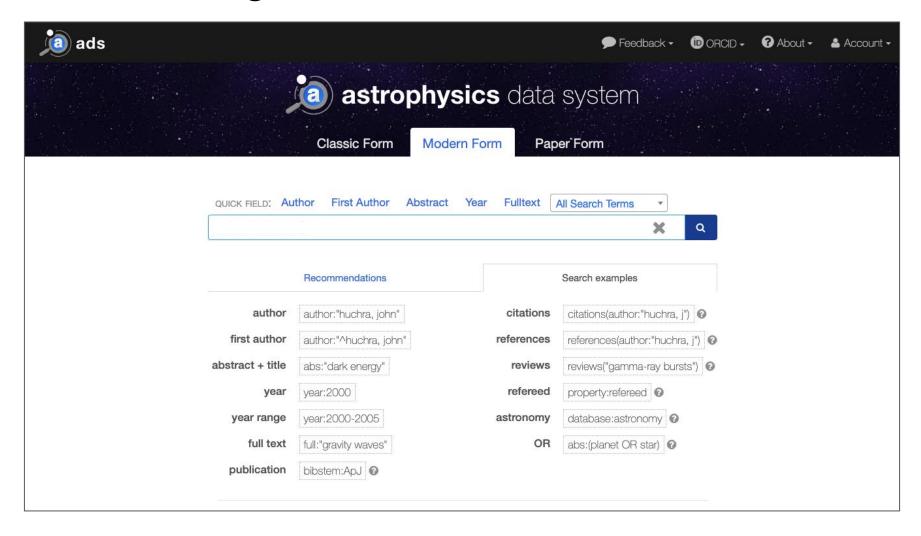
- Author name disambiguation in searching
- Easy to maintain personal bibliographies
- Now even more integration (NSF grant applications, etc.)



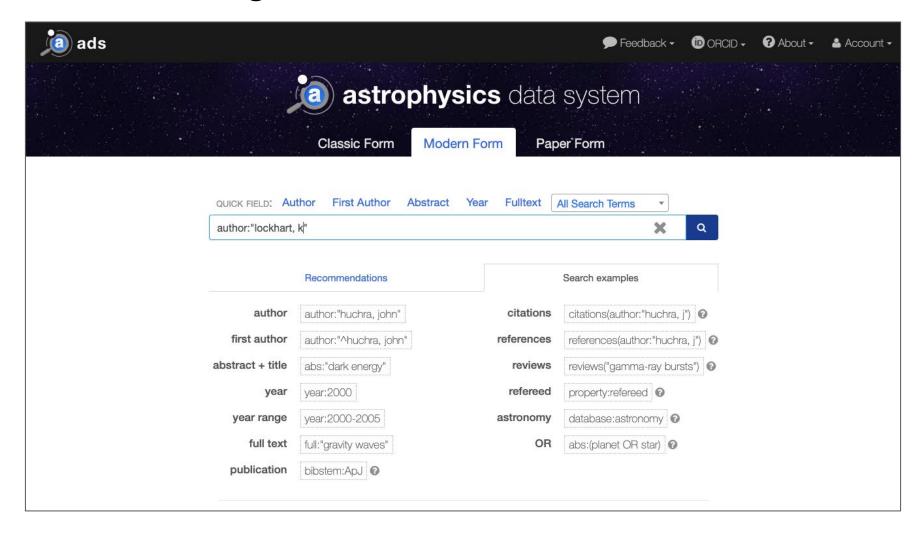
ORCID Adoption

- To start, encouragement from above: American Astronomical Society
 - National professional organization and also a major publisher
- 2014/2015: AAS funded initial integration work
 - Completed in partnership with an outside software consultancy
- 2016: Rolled out to users
- 2017: Upgraded to ORCID API v2
- 2018: Upgraded our integration for speed/efficiency improvements, especially for our users with many publications (some users have 7000+ publications!)

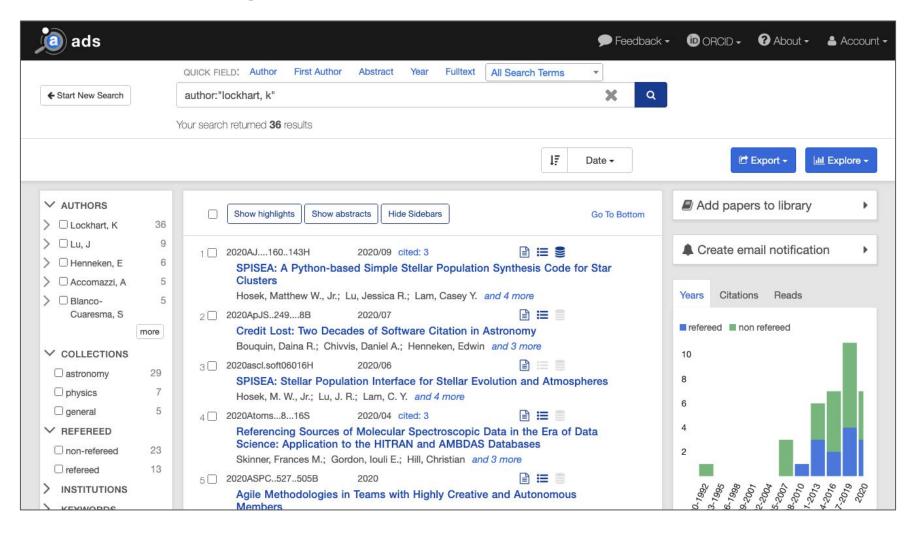




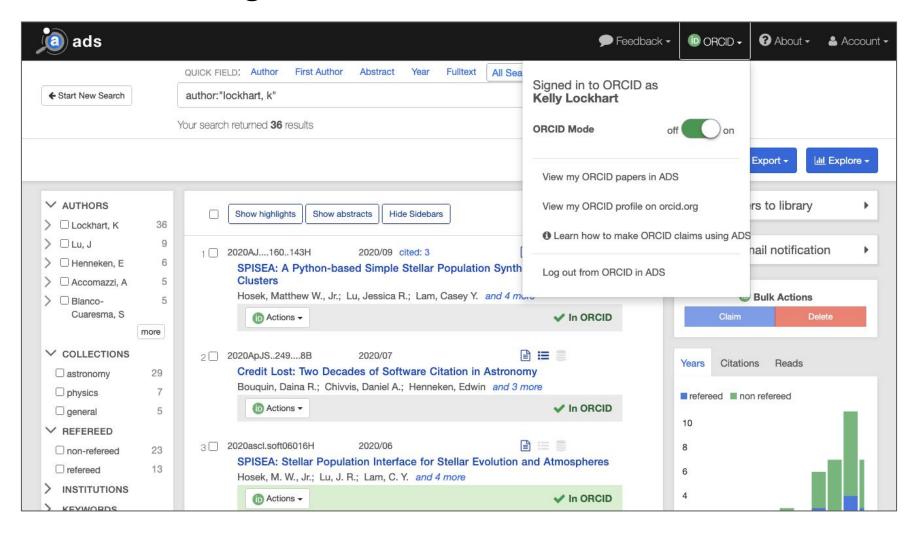




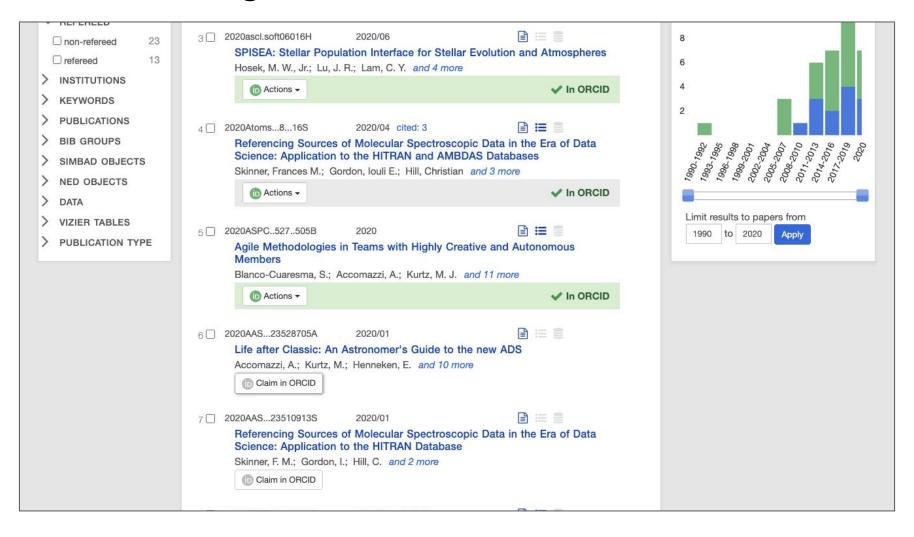




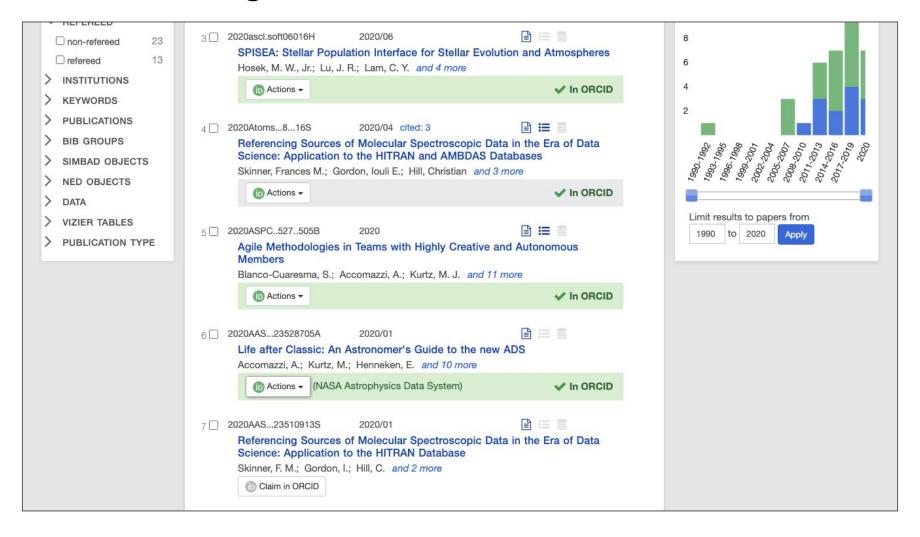




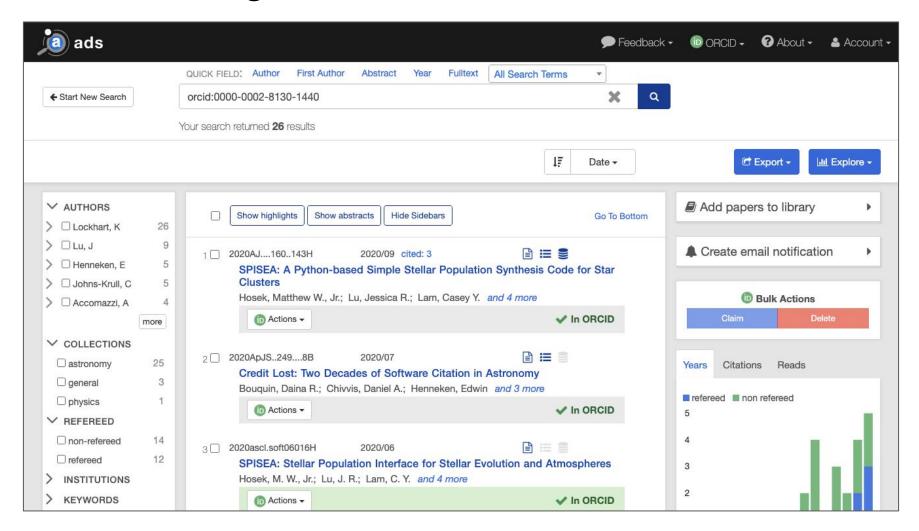














Integration: Future Plans

- Easier discovery of a user's ORCID ID within ADS
 - UI improvements to better show and filter ORCID claims while searching
 - Researcher pages
- Streamline claiming papers
 - Suggest new papers for users to claim
 - Allow users to mark papers as "not me" easier curation for users with common names



Outreach

- Internal:
 - Passive:
 - UI
 - Help pages
 - Blog posts
 - Active:
 - Conferences
 - Responses to user support emails
- External:
 - Publishers
 - Librarians
 - Search committees (grad school/postdocs/jobs)
 - Funders (NSF)



Lessons Learned

- Buy-in/encouragement from above is vital!
- Integrate into existing tools
 - Most astronomers use ADS daily
- Reduce friction for use and provide encouragement for adoption
 - Publishers/funders play an important role

Thanks!



Kelly Lockhart kelly.lockhart@cfa.harvard.edu https://ui.adsabs.harvard.edu/

ORCID @ University of Arizona





UArizona Institutional Knowledge Map (KMAP)

Iqbal Hossain, Ph.D

Research Scientist, Research Innovation and Impact (RII) University of Arizona



ORCID perfect for -

- Unique identity of researchers
- Name disambiguation
- Easy to manage research records
- Cross-system supports through API

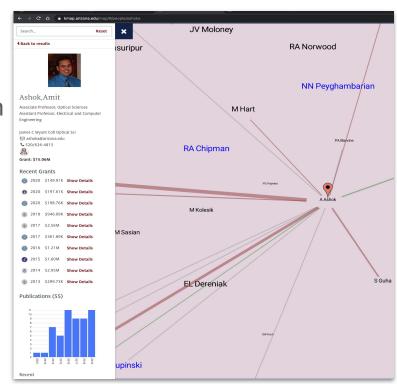
What's Next?

Discovery and understand of institution wide knowledge

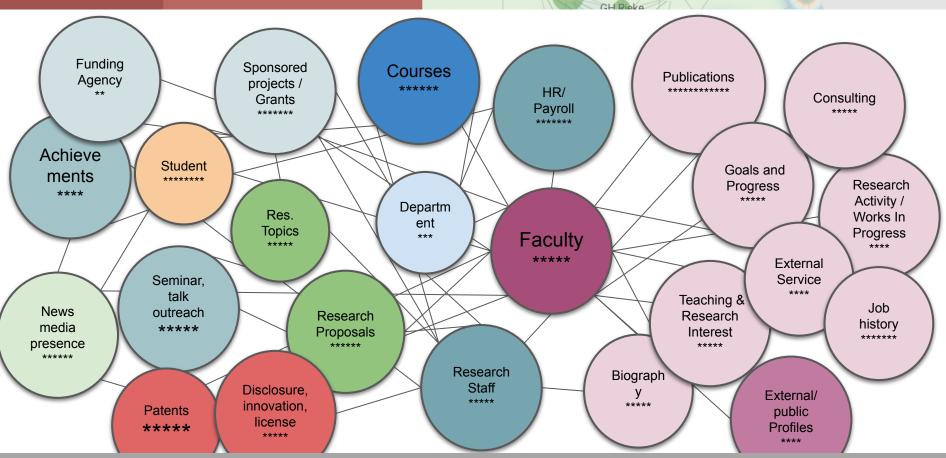


Institutional Knowledge

- Build multidisciplinary teams based on research activities
- Explore/visualize institute wide-collaboration
- Understand inter-department collaboration
- Find experts/professors in a specific area
- Identify important researcher of the organization
- Visualize research outputs, co-relate other metrics of the organization







CD Impey

IRP Angel

Institutional Knowledge Graph

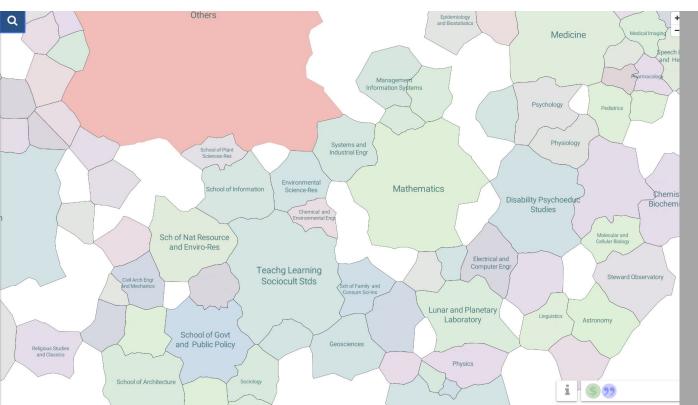
Institutional Knowledge Map (KMAP)

collects, connects, extracts, analyzes and visualizes institutional knowledge. https://KMAP.arizona.edu



Knowledge Graph Challenges

- Collection: distributed and managed by many departments
- Connection: unstructured, semi-structured data connection
- Extraction: required information extraction from Knowledge Graph
- Visualization: a complex-high-attributed graph network visualization



Applied

- Natural Language Processing,
- Machine Learning,
- Information visualization and
- graph theory

Knowledge Map CD Impey **Explore Map** JRP Angel ← → C ☆ • kmap.arizona.edu/map#/dept/154 🖈 🚺 💹 😘 🕾 🖈 🤔 E I Ghosh d ObsMP Lesser MF Brown SJ Bethard Department LM Ziurys MLH DIKIMES & SKH Pau Mathematics F Fraschetti NR Armstrong 180 grants JM Sasian J Giacalone BD Ganapol 2323 publications VA Talanquer MA Kupinski \$66.04M in funding **Funding Sources** E Butcher Chanical Engr RH Pregasogy milton TS Barman El Asphaug KG Klein NSF Computer Suppose **Top Grants** 2004 \$10.43M Show Details BJ Enquist logy S Mazumd MR Mehl **Show Details** JM Coshing AR Dornhaus Teachgsteearningsresson J Bronstein WW Piegorsch-Sociocult Stds 2014 \$3.10M **Show Details PW Reiners** 2009 \$2.95M Show Details VE Zakharov 2010 \$2.09M **Show Details** Mathematics M Momayez 2010 \$1.74M M Chertkov 0 2012 \$1.50M **Show Details** 2017 \$1.42M

KMAP Demo

R Furfaro

Kla Heads and

Disability Psychoeduc

MR Sierra Alvarez

MR Lawler

MM Hosten

Mathematics

J Wehr Professor Mathematics

Community Outreach Manager II

Instructor Mathematics lkowsky

NC Merchant

School of Govt

and Public Policy

Economics PV Fishback

grants from 1978-2021

NDD Breshears

Enviro-Res

A Behrangi

https://KMAP.arizona.edu



Why do we need ORCID?

- Institute doesn't have research scholar information for everybody
 - By integrating ORCID API, we allow the user to import their information to KMAP

 We are using all data elements from ORCID, including publications, grants, keywords, educations, etc.

- Cross university KMAP
 - Lack of unique identifier



Challenge with ORCID

- Not everybody has ORCID id.
- ORCID id not connect with the university's system
- Some skilled researchers/technical staffs don't maintain any profile



Thank You!

Institutional Knowledge Map (KMAP)

For more about KMAP please visit:

https://kmap.arizona.edu

Contact:

Iqbal Hossain hossain@arizona.edu

ORCID US Community Resources





Communication Channels:

 Website <u>https://orcid-us.org</u>

 Email orcidus@lyrasis.org

Twitter@USconsortium

Members:
 Discussion Forum

ORCID US Menu

ORCID US Membership

Technical Support

Community Resources

Get Involved

FAQ



Questions?

Web orcid-us.org

Email orcidus@lyrasis.org

Twitter @USconsortium

