



Open Research Infrastructure: ORCID

*2022 Better Together:
Open new possibilities
with Open Infrastructure*

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We'll briefly cover a few things:

- Re/introduction to ORCID
- ORCID and Open Research Infrastructure
- Discussion and feedback

Re/introduction to ORCID



A Few ORCID Facts

- Independent not-for-profit open to participation by all
- Registry launched in 2012
- Sustained by fees from our member organizations
- Guided by our [values and founding principles](#)
- Community-governed by a Board of Directors elected by our members



ORCID's Mission

ORCID's mission is to **enable transparent** and **trustworthy connections** between **researchers**, their **contributions**, and their **affiliations** by providing a **unique, persistent identifier** for **individuals** to use as they engage in **research, scholarship, and innovation activities**.

ORCID, which stands for Open Researcher and Contributor Identifier, provides three main services



1. The ORCID iD: a unique, persistent identifier (PIDs) free of charge to researchers

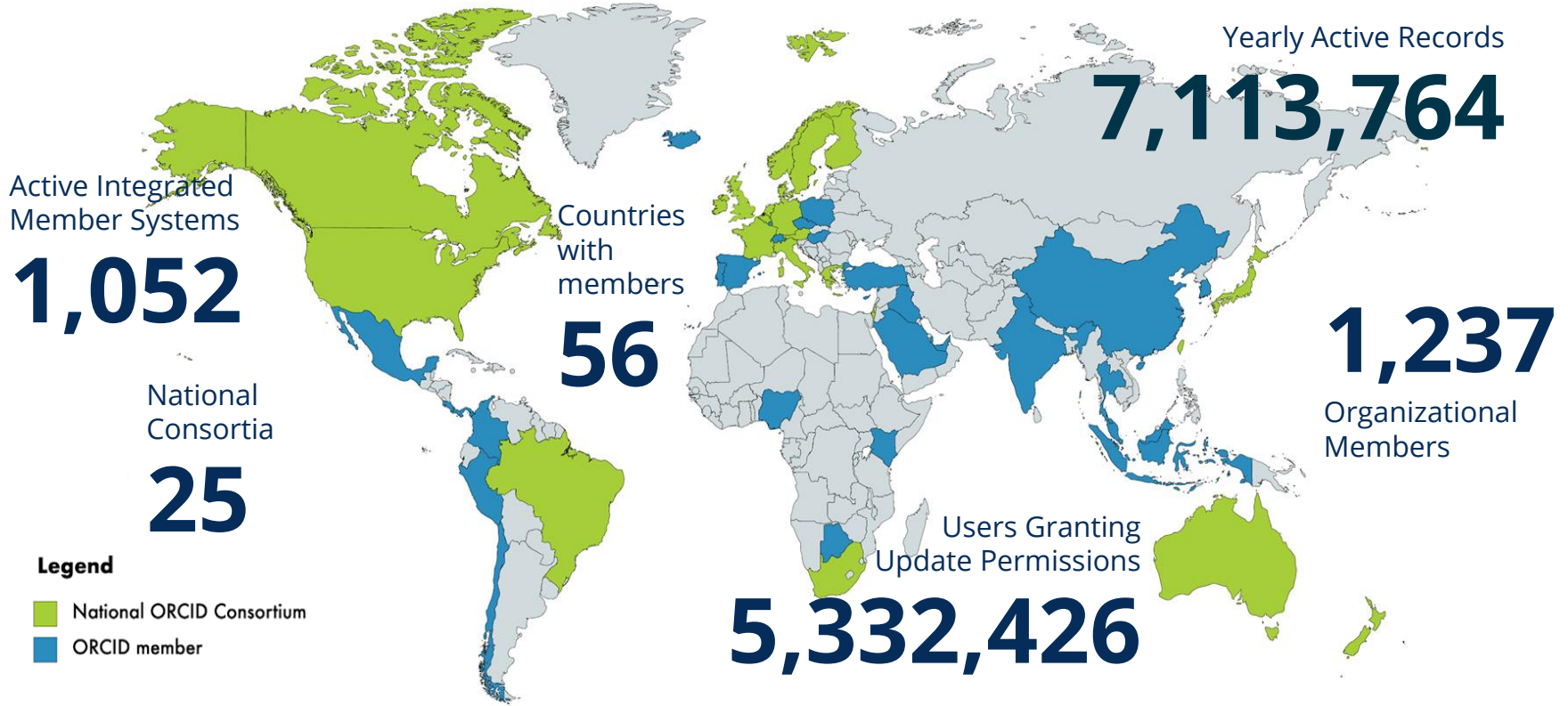


2. A set of Application Programming Interfaces (APIs), services and support of communities of practice enabling interoperability between an ORCID record and member organizations. Researchers can share ORCID iD with organizations that can exchange information in the research workflow



3. A place to store and share the resulting connections between iDs and research activities and affiliations

We have reached a critical mass of global participation

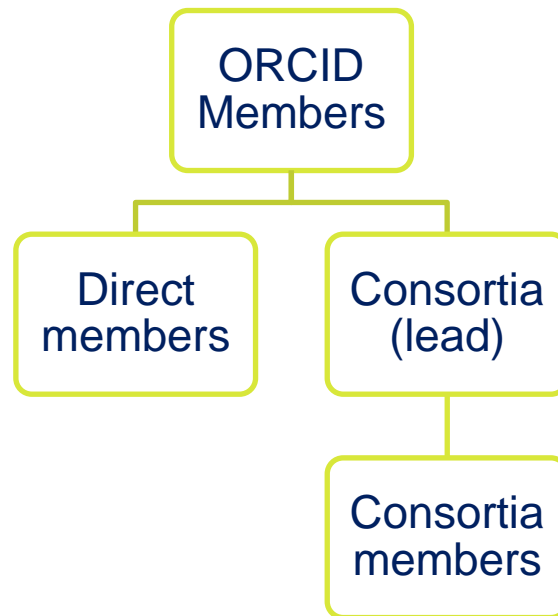


ORCID is community driven

ORCID has multiple stakeholders



Our member community



ORCID in the APAC Community

- 163 Members
 - 116 Consortia members
 - 46 Direct Members
- Four Consortia in Australia, Japan, New Zealand and Taiwan
- 171 systems connecting with ORCID (adopting ORCID member API)
- Asia accounts for the second largest traffic to the ORCID Registry



ORCID and Open Research Infrastructure

Goals for research communities



Support Open Science/Research

Reduce Administrative Burden

Assess and Report on Research Impact

Improve Visibility of Researchers

Improve Interoperability

Identify/Disambiguate Researchers

Improve Data Quality

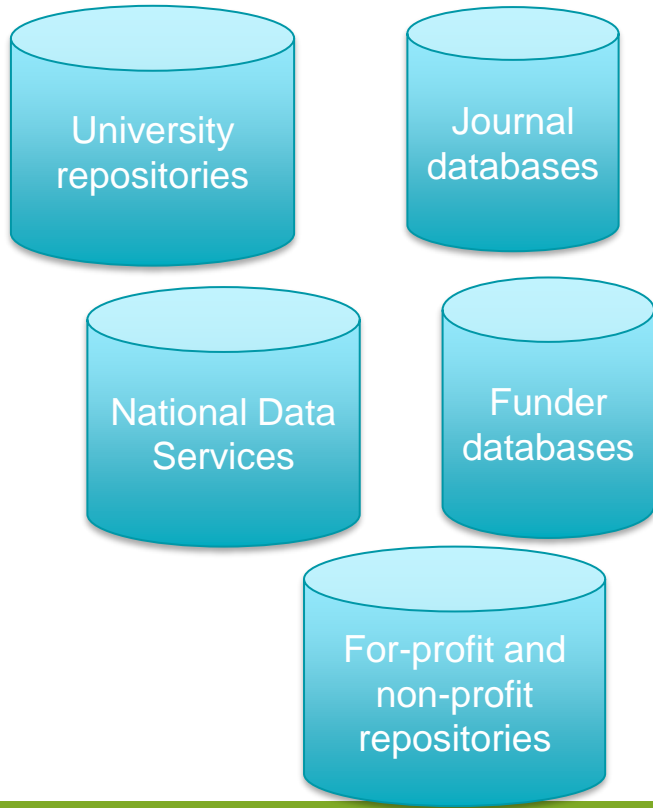
Meet or Set National or Funder Policy

Source ORCID Q1 2021 Member Value Research; Based on unprompted top-of-mind responses from member value interviews

- Do research communities have an adequate research infrastructure to achieve goals?
- What's the current operation of research infrastructure in place?

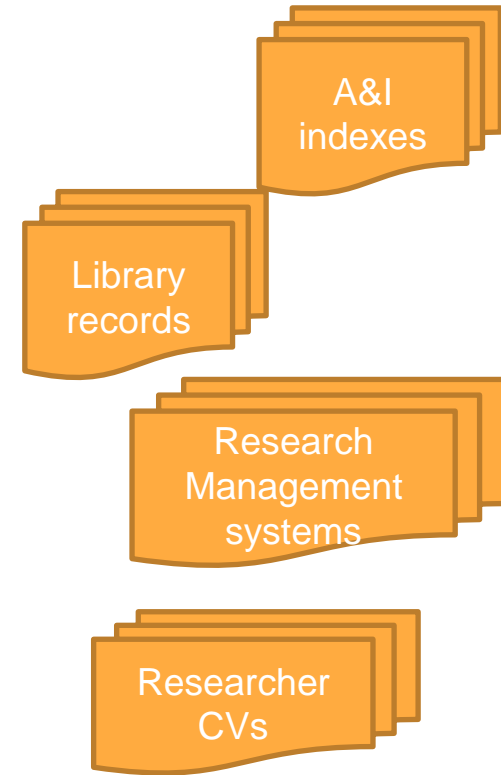


Research Infrastructure is there, but “fragmented”



The infrastructure needs to

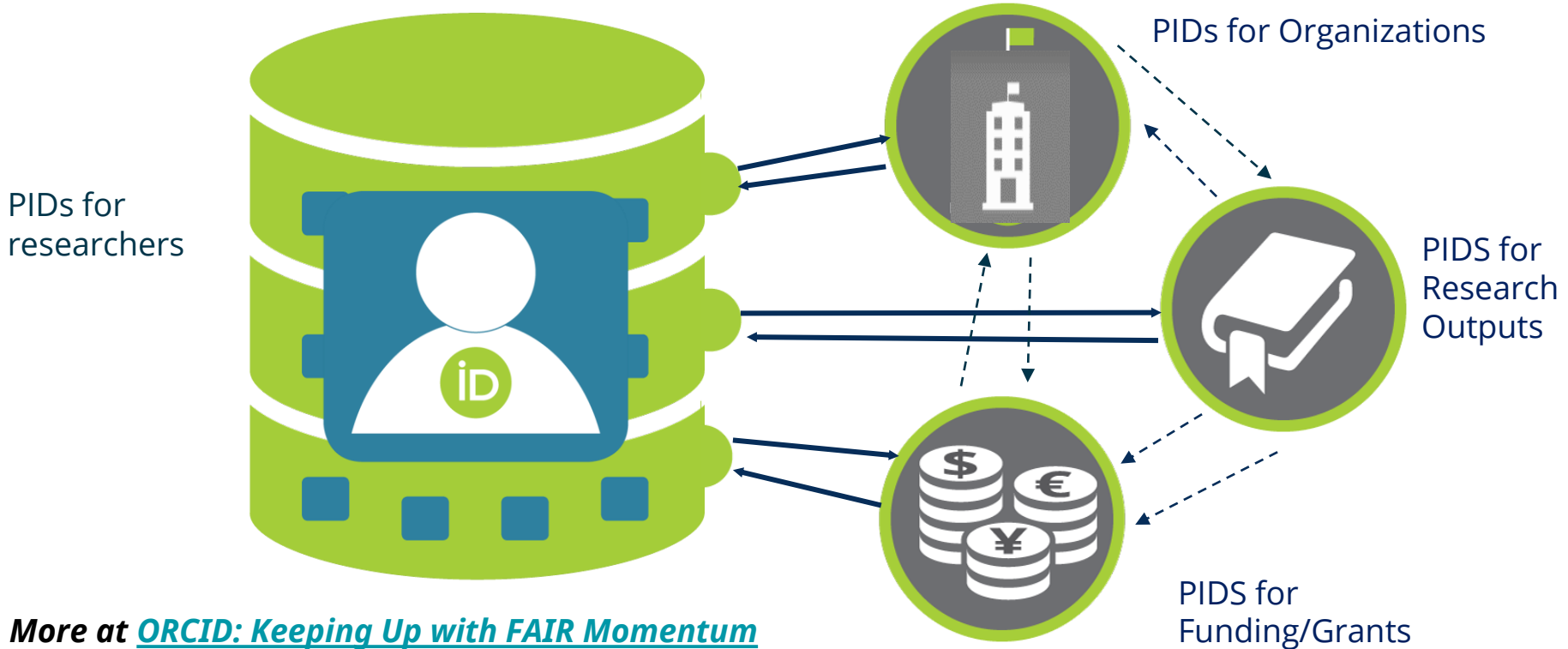
- Connect
- Persist over time
- Allow to exchange and make use of information.



“Researchers” are a part of research infrastructure, too



Open PIDs enable an infrastructure to connect researchers, institutions, and research outputs



More at [ORCID: Keeping Up with FAIR Momentum](#)

ORCID was built from the ground up to be open and trustworthy in the research infrastructure

- Open source software and FAIR open data
- Open public API
- Open public data file (and policy)
- Open sandbox testing environment
- Open Product Roadmap feedback
- Open to support PIDs adopted by our members



**Technical
Constructs**

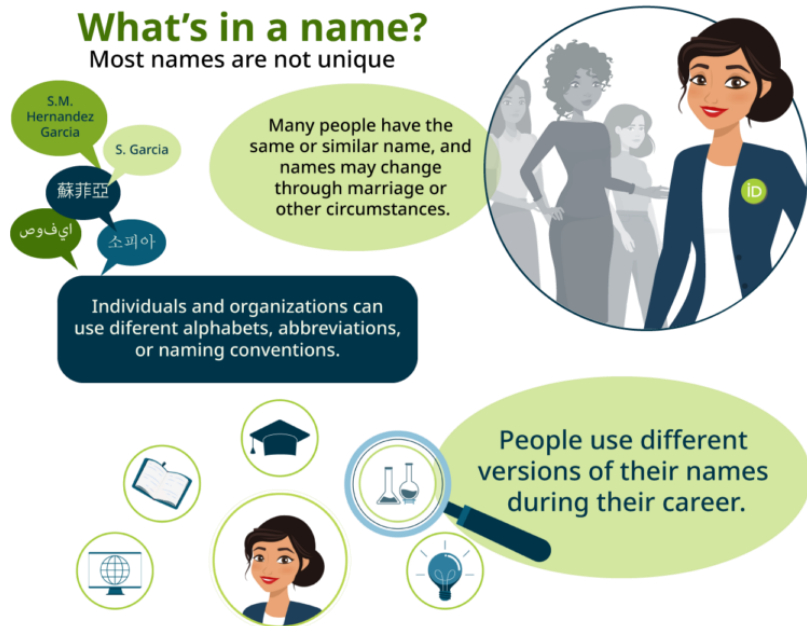


**Social
Constructs**

- Founding principles and values
- Commitment to researcher control
- Equitable, sustainable business model
- Membership organization open to all
- Continuous community engagement and dialog

ORCID engenders trust by balancing researcher control and data quality

- Researcher control → trust and participation of researchers → wider uptake and utilization of ORCID by even more researchers and organizations across the globe.
- To balance researcher control with data quality, ORCID utilizes a distributed, incremental trust model which allows reliable and trustworthy data sources to validate information on an ORCID record with the record holder's permission.
- Read more about this in our recent blog post: <https://info.orcid.org/balancing-researcher-control-and-data-integrity/>



Users of ORCID data can determine the trustworthiness of each record by looking for Trust Markers

- Trust Markers include:
 - **Affiliations** added by **research institutions**
 - **Works** (e.g. articles) added by **publishers** and **repositories**
 - Links to **other person IDs**
- The provenance of each assertion is indicated in the ORCID UI and API responses
- Read more about this in our latest blog post: <https://info.orcid.org/interpreting-the-trustworthiness-of-an-orcid-record/>

Education and qualifications (1)

Sort

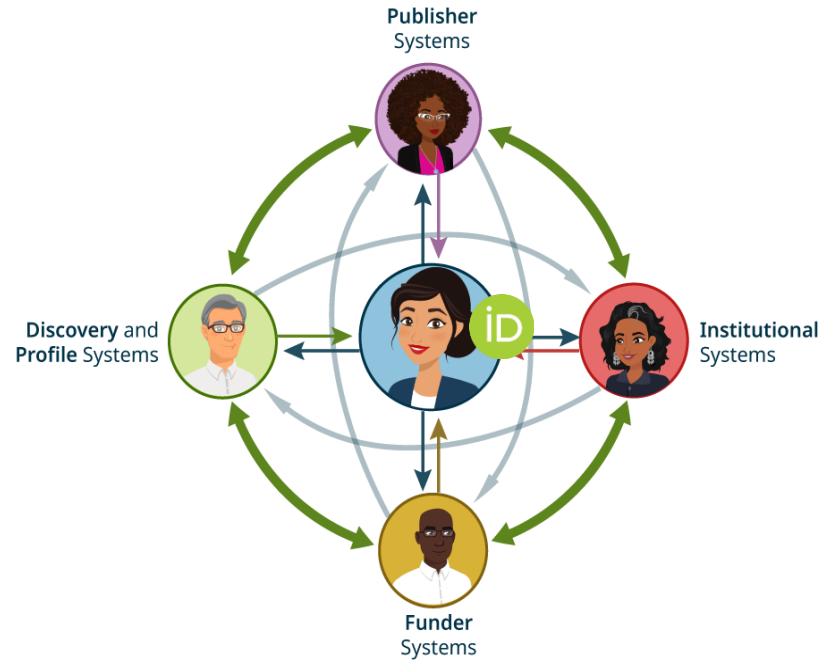
University of Oxford: Oxford, Oxfordshire, GB
1973-09-18 to 1976-06-08 | BA (Physics)
Education
Source: Timothy J Berners-Lee ★ Preferred source

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A Nearby Repeating Fast Radio Burst in the Direction of M81

Most permutations power to a cycle of small prime length
2. Proceedings of the Edinburgh Mathematical Society
2021-05-24 | journal-article
SOURCE-WORK-ID: a3c9362b-f7da-406d-97f5-bf7e1e8a2999
EID: 2-s2.0-85106898402
3. DOI: 10.1017/S0013091521000110
4. Source: University of Western Australia ★ Preferred source

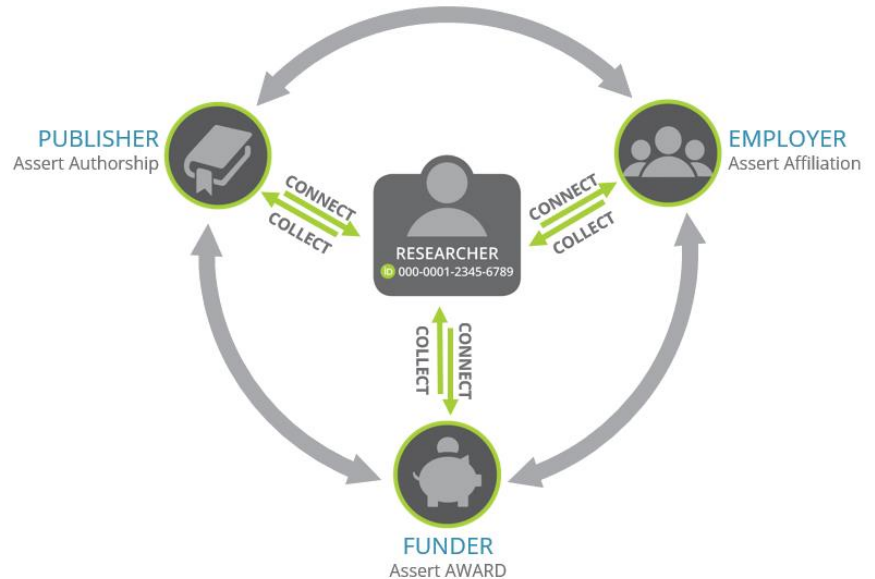
ORCID enables openness, persistence and interoperability throughout the research ecosystem



To Recap

The Community build and benefit from Open Research Infrastructure

- ORCID strives to enable transparent and trustworthy connections between researchers, their contributions, and their affiliations
- Adopting PIDs to foster such an open research infrastructure will further require **commitment from both individuals and organizations.**
- ORCID anticipates increased engagement in Asia through additional community adoption, conversation, and collaboration.



Discussion and Feedback

How to find out more

Reach out to us for additional information:

1. **Contact Estelle Cheng** to learn more **about how engage with ORCID** (if you haven't) or **how to deepen your integration** (e.cheng@orcid.org)
2. **Further information can be found on ORCID's website:** <https://info.orcid.org/resources/>
3. **More detailed information about our workflows:** <https://info.orcid.org/documentation/workflows/>



Thank you!



Find out more at <https://orcid.org>

Register at <https://orcid.org/register>

Email - e.cheng@orcid.org

Skype - j493520@hotmail.com

Twitter @ChihEstelle



More Resources

All about ORCID

<https://orcid.org/about>

ORCID Membership

<https://info.orcid.org/membership/>

ORCID for Research Organizations

<https://info.orcid.org/orcid-for-research-organizations/>

Support Center: Start Connecting with ORCID API

<https://info.orcid.org/documentation/integration-guide/>

ORCID News and Events

<https://info.orcid.org/>

Appendix

Additional Information

ORCID's Values



Collaborative

Transparent
Persistent

Diverse
Global

ORCID is strongly supported by each of its major stakeholder groups

User NPS



Member NPS



Publishers



Funders



Universities



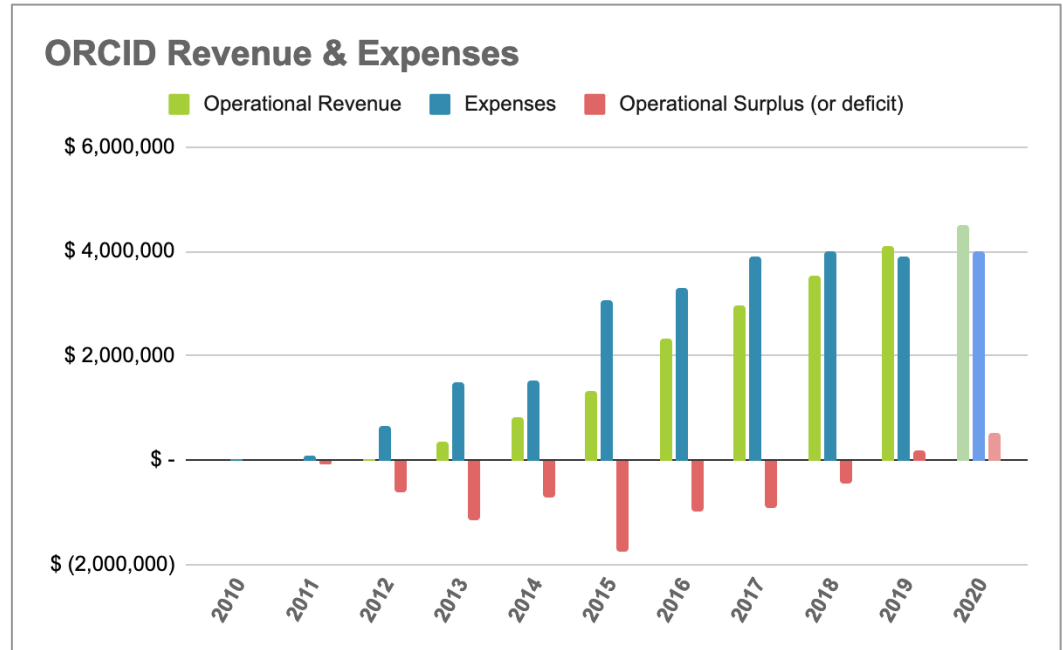
NPS, or Net Promoter Score is a standard metric used to measure audience loyalty and satisfaction.

NPS scores range between -100 and +100. Scores above 0 are considered "good", those above +20 "favourable" and those above +50 "excellent"

Sources: ORCID Q1 2021 User Value Survey; ORCID Member Value Survey, Feb 2021

ORCID has been working towards financial sustainability and reached operating breakeven in 2019

- ORCID achieved Financial breakeven in 2019
- We expect this trend to continue with steady growth in membership and careful cost management



Excludes grants and miscellaneous income. 2020 figures are draft subject to audit

ORCID 2022 - 2025 Strategic Plan

Increasing Value to Members

We will be more **proactive in delivering value** to member research institutions, rather than **simply enabling and expecting** them to integrate with our API.

We will equip our members with **more compelling ways to encourage their researchers** to use ORCID.

We will work with **influential organizations** such as **Funders and Government Agencies** to encourage the use of ORCID.

Increasing Value to Researchers

We will **reduce the effort** that researchers need to invest in **completing and updating** their ORCID records with activities such as improving workflows and guiding users to the most appropriate services to connect with.

We will **incentivize researcher participation** in ORCID with initiatives like encouraging member organizations to update and re-use ORCID data save researchers time.

Increasing Global Participation

To encourage membership in **low and lower-middle income countries**, we will move towards a fee structure based on **equity**, adjusted according to regional affordability, while also supporting the development of local expertise and communities of practice.

We will develop **new partnership models** with national or regional organizations to **spearhead organizational membership growth** in their locations.

Upholding Trust and Integrity

We will take a more proactive approach to improving **data quality**.

In order to **fulfill expectations of the reliability of our infrastructure**, we will improve resiliency through means such as moving our hosting to the cloud and implementing a high-availability architecture.

To ensure ORCID's **long-term sustainability**, we will **bolster ORCID's reserves**.