

Introduction to The Lens

An open facility for discovery, analysis, metrics and mapping of scholarly literature and patents

June 2021



#### **BACKGROUND**

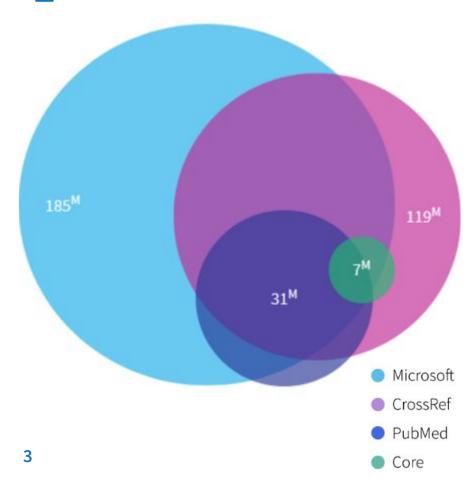
## The Lens and Cambia

- Cambia, founded in 1991, started Patent Lens in 2001, the precursor of <u>lens.org</u>, the world's first free and open full text patent search capability.
- In 2006, launched the world's first public patent sequence search capability for United States patent applications.
- Since 2013, Lens.org has served the world most comprehensive public Patent Sequence platform to navigate biological patents from over 17 jurisdictions.

- In 2011, with seed money from USPTO, Cambia began extracting and resolving non-patent literature strings in collaboration with NIH-NCBI and Crossref.
- By 2014, Cambia linked non-patent literature to patents and began serving the data, created <u>PatCite</u> and <u>In4M</u> metric to map influence of research on industry and foster meaningful partnerships.
- Lens ensure privacy and confidentiality and its data is fully open, shareable and reusable.
- The platform has been up 24/7 for over 20 years.







# 

FEBRUARY 2021

# Lens Scholarly Data

#### 227.7M scholarly works records:

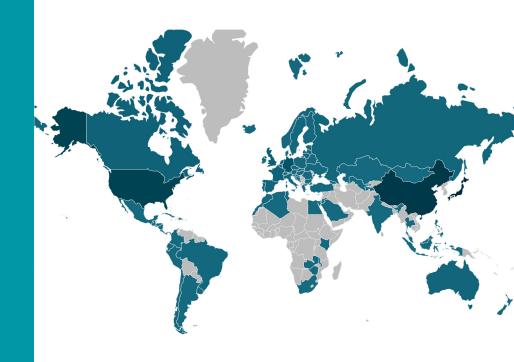
- 115.5M journal articles
- 21.4M Books and book chapters
- 7.3M conference proceedings
- 4.3M works cited in patents
- 76.8M works cited by other scholarly works
- 1.7B scholarly citations

FEBRUARY 2021

### Lens Patent Data

#### 128.7 Million Patent Records:

- 105 jurisdictions
- 70.9M patent families
- 741k biological patents
- 371.1M patent sequences



# Our Special Sauce

Linkages between data silos

**128M** Patent Records

**71M** Patent Families

**16M** Applicants

1.6M Owners

**228M** Scholarly Works

**33M** Authors

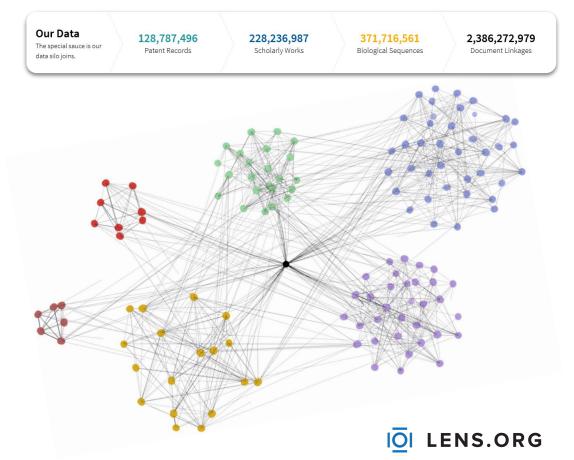
19k Research Organizations

**4.4M** Works cited in patents

**1.6B** Scholarly citations

**371M** Bio Sequences

**2.4B** Document Linkages

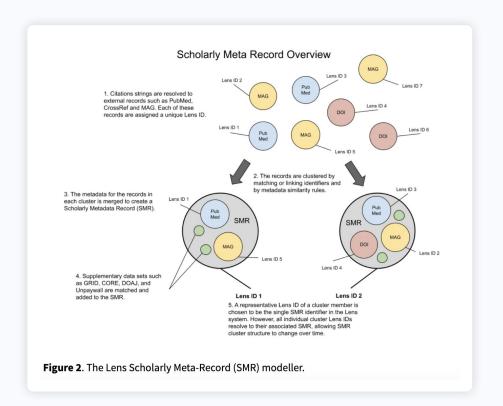


#### THE LENS

# Meta Record Strategy

Lens use a "Meta Record" concept as a core element of our facility. We use a 15 digit open and persistent identifier, LensID, to expose credible variants, sources and context of knowledge artifacts, such as scholarly works or patents, while maintaining provenance, and allowing aggregation, normalization, and quality-control of diverse metadata.

https://osf.io/preprints/lissa/t56yh/



#### **CURRENT OFFERINGS**

# Discovery, Analytics, And Management Tools

#### **API & Data Facility**:

Scholarly API, PatSeq bulk data, Patent API

#### Reports:

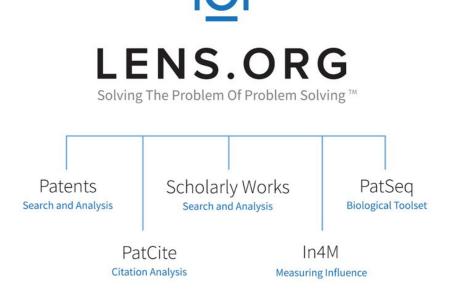
Assemble your saved queries and collections with other knowledge in a dynamic and interactive report\*

#### **Collections**:

based on Scholarly Works and Patents Lens searches and analyses.

#### In4M:

International Industry & Innovation Influence Mapping



LENS PROFILES BETA

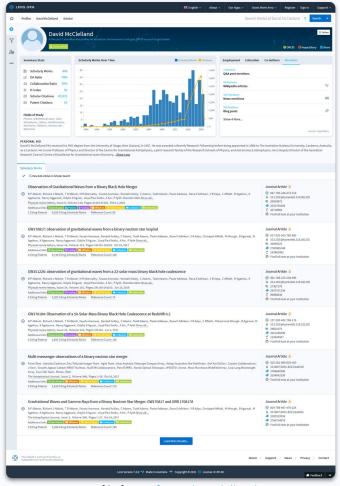
# Introducing Lens Profiles

Unique to open data, Lens Profiles are auto-generated author and inventor profiles based on public ORCID records.

Compiled from publicly available data sources using the ORCID iD as the linking identifier.

Lens Profiles can be used to update your ORCID record with scholarly works or patents from the Lens in just a few steps.

Research4Life ORCID seminar: https://www.research4life.org/training/webinars/



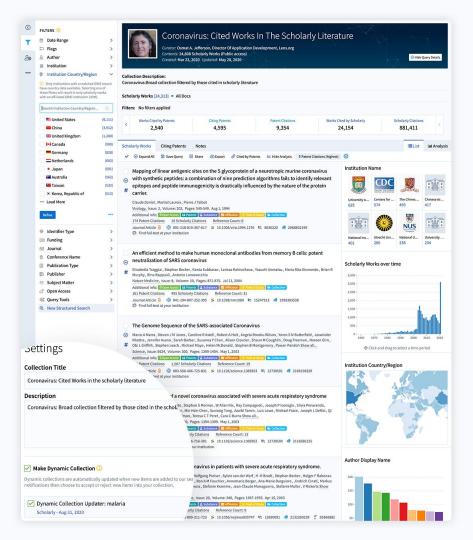


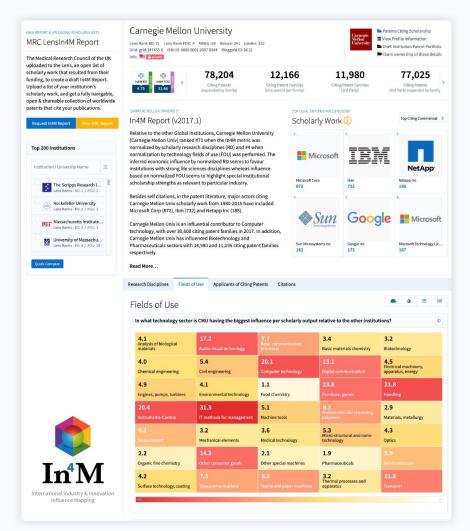
#### COLLECTIONS

## Collections

Use open dynamic collections to create, curate, annotate and share dynamic portfolios of scholarly works and patents.

Explore these collections to understand who does what, when and where, who influences whom. These open tools inform decision-making for work product management, for partnering, for investing/funding or for research trajectories.





In4M

# International Industry & Innovation Influence Mapping

An open, transparent and granular tool to explore, expose and showcase the degree to which research works, scholars' work product, or whole institution's capabilities influence outcomes for society, in myriad forms.





To learn more, watch Richard Jefferson, founder of The Lens, at the Skoll World Forum for Social Entrepreneurship: https://www.youtube.com/watch?v=of8ai1HhgK4

Check out support for tips for using Lens.org: <a href="https://support.lens.org/">https://support.lens.org/</a>



# ACCESS TO LENS.ORG Patents, Patseq & Scholarly Works

Research4Life is a public-private partnership of five programmes:







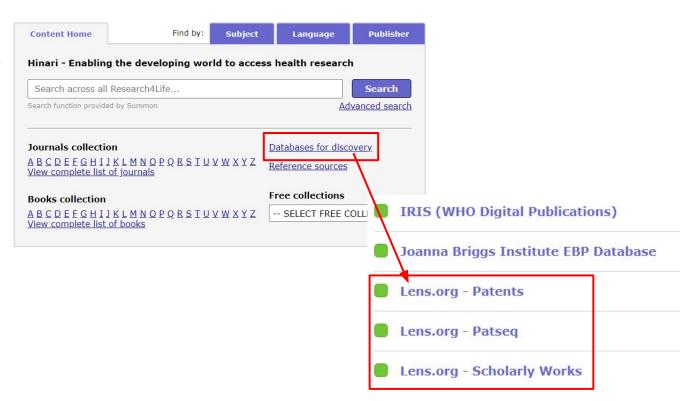




# Access to Lens databases (current portal)



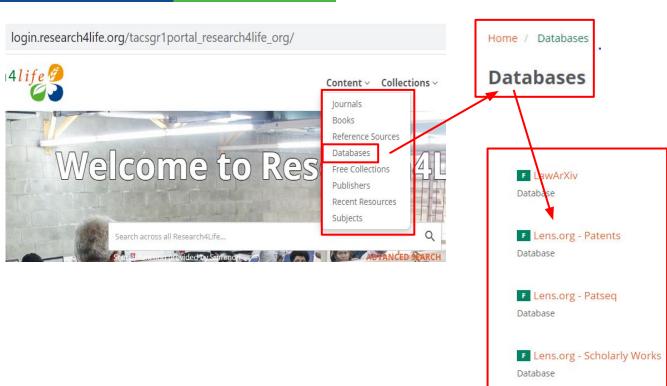
- Open Databases for discovery list from any of the programmes' content pages.
- Scroll down the list to the links to Lens.org options

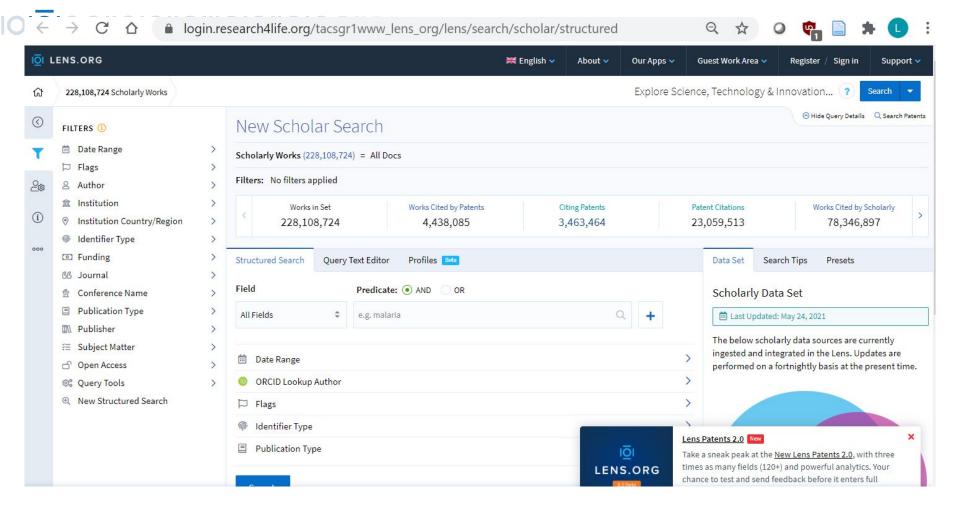


# Access to Lens databases (new 'unified' content portal)



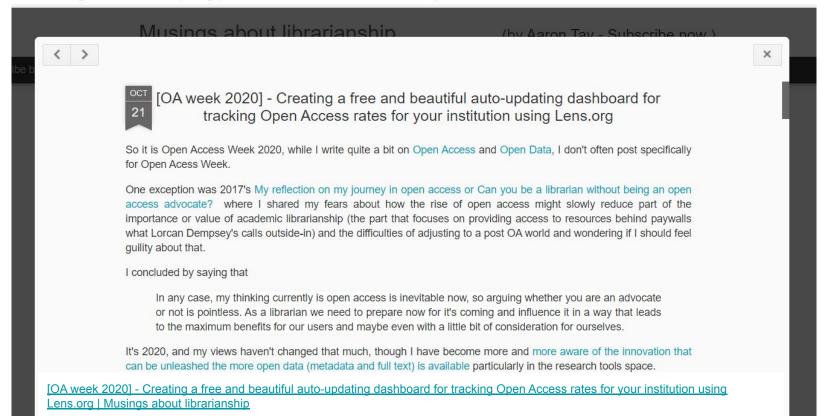
- After logging in, open the Content list
- Open Databases list
- Scroll down the list to the links to **Lens.org** options
- Lens.org is available to all Research4Life registered institutions





# Musings about Librarianship: Open Access analysis

ure | musingsaboutlibrarianship.blogspot.com/2020/10/oa-week-2020-creating-free-and.html



University analysis: Makerere University

Research institute analysis: <a href="ICDDR'B">ICDDR'B</a>

Company Analysis: Sasol, South Africa

Patent Portfolio: <a href="https://www.lens.org/lens/dashboard/3486">https://www.lens.org/lens/dashboard/3486</a>

Scholarly research Output: <a href="https://www.lens.org/lens/dashboard/3491">https://www.lens.org/lens/dashboard/3491</a>