CWTS Leiden Ranking
Open Edition

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Centre for Science and Technology Studies (CWTS)
Leiden University

CESAER workshop
Reimagining university rankings: exploring strategic priorities and alternatives
June 18, 2024

Recommendation paper

Ranking the university

On the effects of rankings on the academic community and how to overcome them

Universities *of The* Netherlands

eua EUROPEAN UNIVERSITY ASSOCIATION

BRIEFING

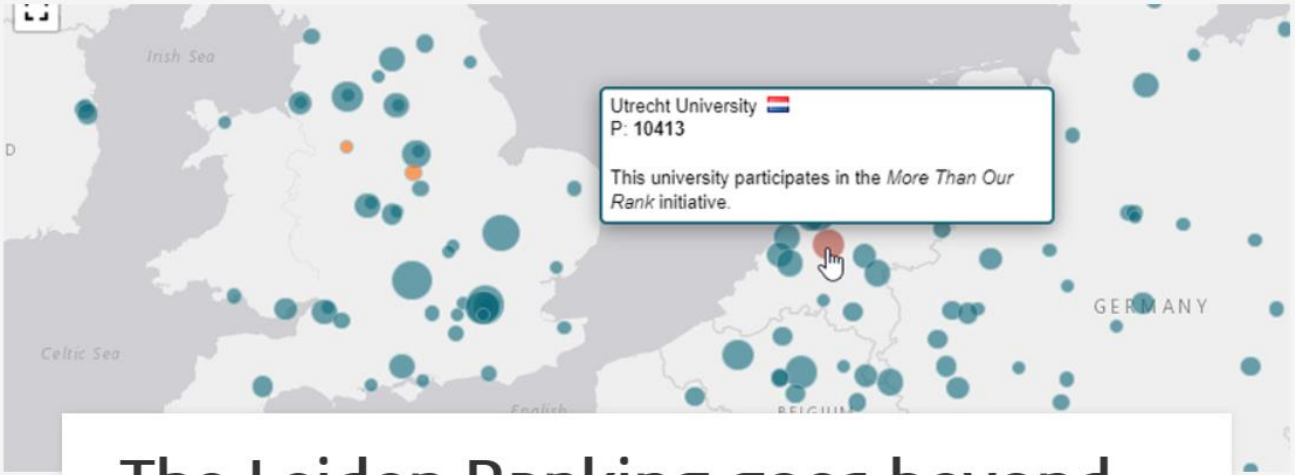
Key considerations for the use of rankings by higher education institutions

October 2023

Elizabeth Gadd
Research Culture & Quality Lead

Ludo Waltman
Professor of Quantitative Science Studies

Nees Jan van Eck
Senior Researcher and Head of Data Science



The Leiden Ranking goes beyond ranking

September 27, 2023 · Science & Society · 2 min read

Today the CWTS Leiden Ranking and the INORMS More Than Our Rank initiative announce a new partnership, aimed at highlighting the accomplishments of universities beyond what is captured in university rankings.

Ensure independence and transparency of the data, infrastructure and criteria necessary for research assessment and for determining research impacts; in particular by clear and transparent data collection, algorithms and indicators, by ensuring control and ownership by the research community over critical infrastructures and tools, and by allowing those assessed to have access to the data, analyses and criteria used.

In the next few years,

CWTS will fully transition to open research information

CWTS Leiden Ranking Open Edition

Leiden Ranking Open Edition was released on
January 30, 2024

Instead of closed data from Web of Science,
Leiden Ranking Open Edition uses
open data from OpenAlex

Leiden Ranking Open Edition is an ***experimental tool***,
but we expect it will soon reach full maturity

Our partners:

CURTIN OPEN KNOWLEDGE INITIATIVE

our research

Sesame Open Science

Leiden University | CWTS | CWTS B.V. | Other CWTS sites

CWTS Meaningful metrics

Leiden Ranking Open Edition

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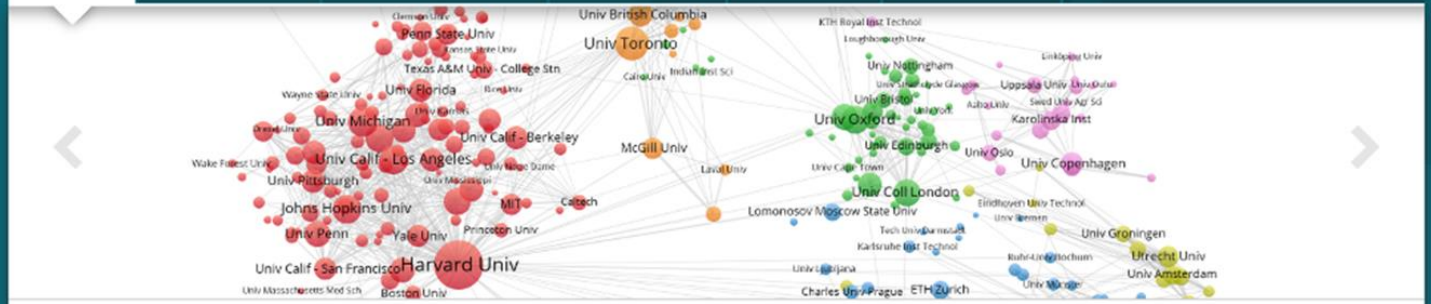

This is the website of the new Open Edition of the CWTS Leiden Ranking.

The traditional Leiden Ranking can be found here.

CWTS Leiden Ranking Open Edition

Based on open data from OpenAlex, the CWTS Leiden Ranking Open Edition offers fully transparent information about the scientific performance of over 1400 major universities worldwide. Select your preferred indicators, generate results, and explore the performance of universities.

University of Amsterdam

Hide ROR IDs

ROR https://ror.org/04dkp9463

Component organizations: Academic Medical Center, Amsterdam Institute for Addiction Research, Emma Kinderziekenhuis, Van Leeuwenhoek Centre for Advanced Microscopy

Joint organizations: Academic Center for Dentistry Amsterdam, Advanced Research Center for Nanolithography (Netherlands), Amsterdam Neuroscience, Amsterdam University College, Delta Institute for Theoretical Physics, Tinbergen Institute

Associated organizations: Spinoza Centre for Neuroimaging

Select indicators

Type of indicators: Scientific impact

Time period: 2018–2021

Calculate impact indicators using fractional counting

Overview (2018–2021)

All sciences

	Size-dependent		Size-independent	
Publications	P	8888		
Top 1% publications	P(top 1%)	161	PP(top 1%)	1.8%
Top 5% publications	P(top 5%)	711	PP(top 5%)	8.0%
Top 10% publications	P(top 10%)	1392	PP(top 10%)	15.7%

Resources

The Leiden Ranking Open Edition aims to be fully transparent. We do not only make the results of the ranking openly available, but also the underlying data. The source code of the software used to create the ranking is openly available as well.

Results

The results of the Leiden Ranking Open Edition 2023 are available in a spreadsheet file. For each combination of a university, a main field, and a time period, the file provides the values of all indicators. The results are made available under a CC0 public domain dedication.

Download results >

Data

The data underlying the Leiden Ranking Open Edition 2023 is available in a set of text files. These files contain (1) data about the universities included in the ranking and the links between these universities and their affiliated organizations, (2) data about the publications included in the ranking and the links between these publications and universities and main fields, (3) indicators at the level of publications, and (4) indicators at the level of universities and main fields. The data is made available under a CC0 public domain dedication.

Download data >

Google BigQuery

The data underlying the Leiden Ranking Open Edition 2023 is also available through Google BigQuery.

Open data in Google BigQuery >

Source code

The source code of the software used to create the Leiden Ranking Open Edition 2023 is available in GitHub under an MIT license.

Go to source code repository in GitHub >

Resources

- Results
- Data
- Google BigQuery
- Source code

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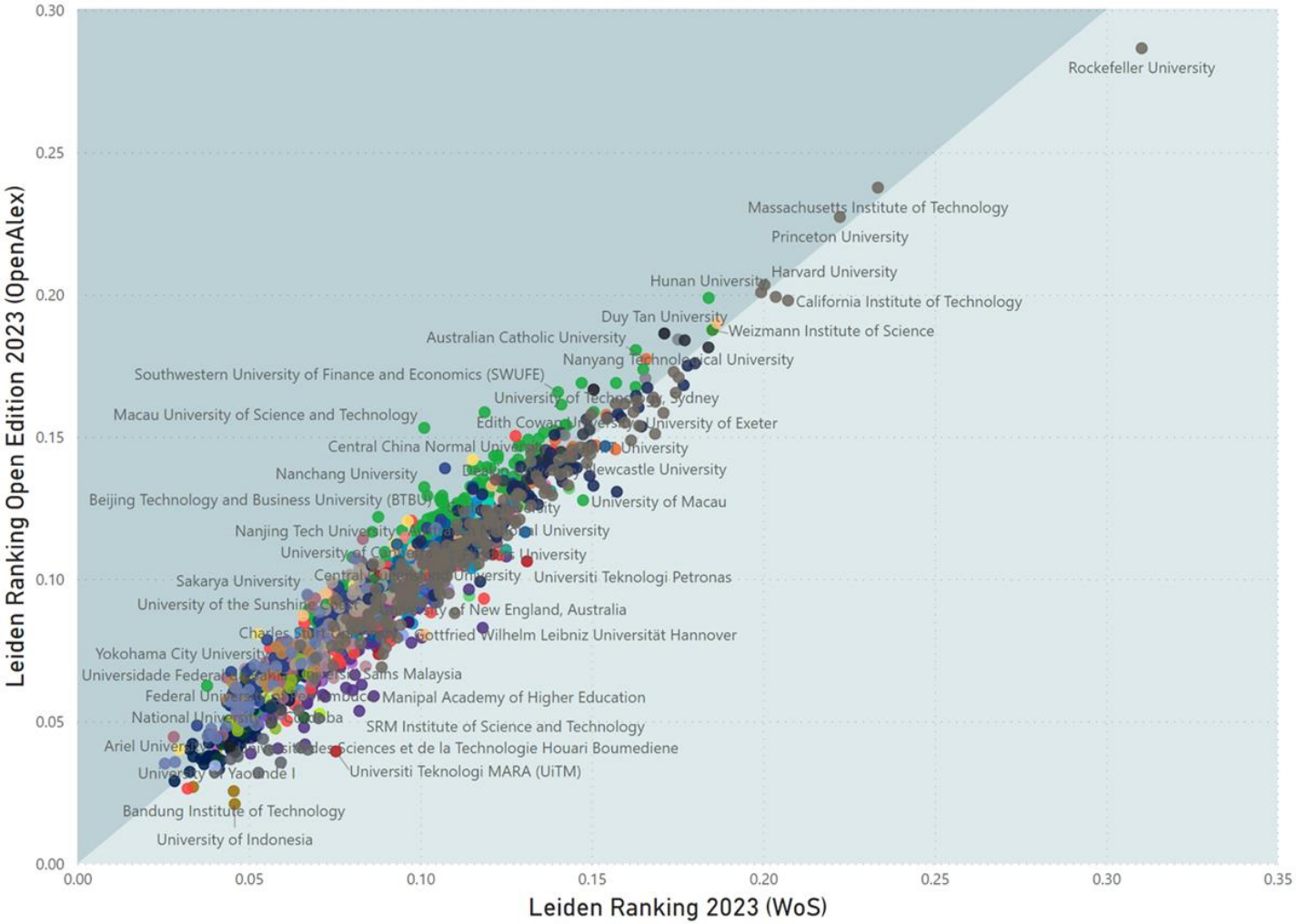


CWTS
Meaningful metrics

Period

2018-2021

Field

All sciences

Country

All

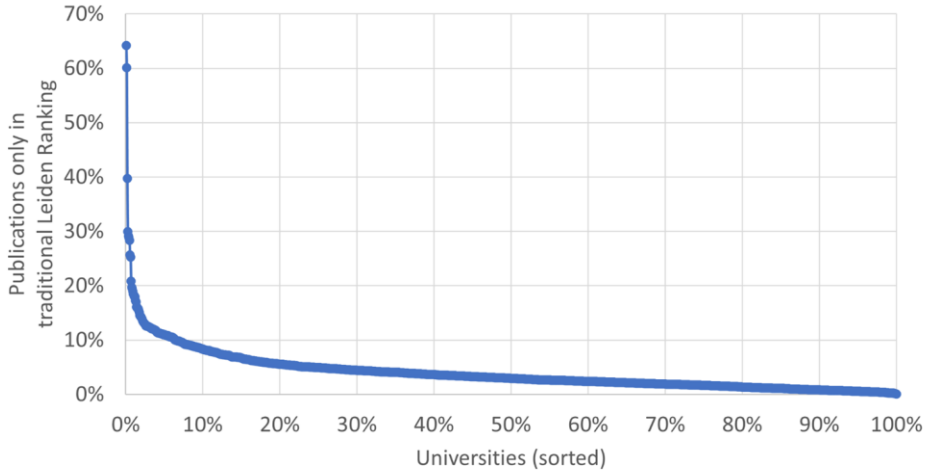
Counting method

Fractional counting

Indicator

PP(top 10%)

Data quality - Open Edition vs. traditional Leiden Ranking



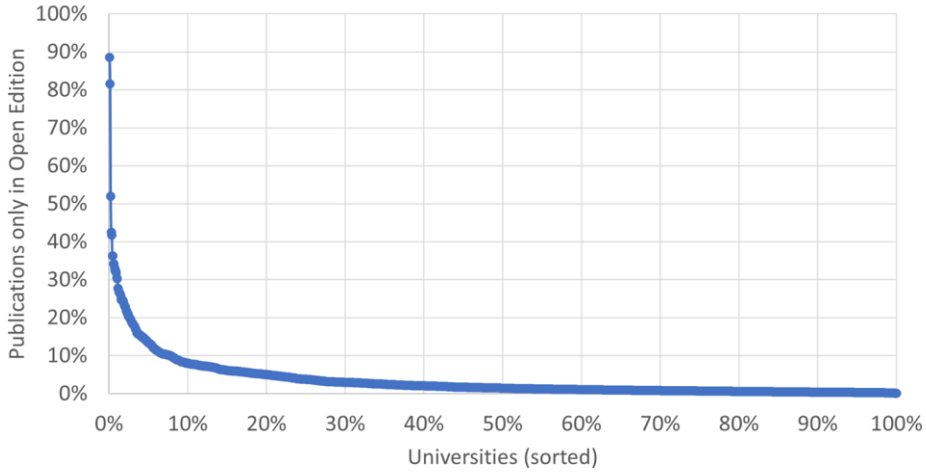


Image adapted from Barcelona Cases Rocamora by Ludvig14, CC-BY-SA 3.0

Barcelona Declaration

Barcelona Declaration

- The Barcelona Declaration on Open Research Information was prepared by a group of **over 25 research information experts**, representing organizations that carry out, fund, and evaluate research, as well as open infrastructure organizations

- Declaration was published in **April 2024**

- **70 organizations worldwide** have already signed the Declaration, including several CESAER members (Delft University of Technology, Universitat Politècnica de Catalunya, Université Paris-Saclay)

Barcelona Declaration

As organizations that carry out, fund, and evaluate research, we commit to the following:

1

We will make openness the default for the research information we use and produce

2

We will work with services and systems that support and enable open research information

BARCELONA
DECLARATION ON
OPEN RESEARCH
INFORMATION

Barcelona Declaration

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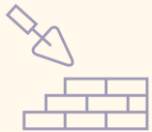
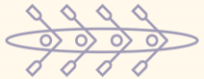


3

We will support the sustainability of infrastructures for open research information



4

We will support collective action to accelerate the transition to openness of research information

BARCELONA DECLARATION ON OPEN RESEARCH INFORMATION

Opportunities for CESAER universities

Join the European conversation about culture change regarding university rankings

Make data provided to ranking agencies openly available

Move from closed to open scientometric data sources

Sign the Barcelona Declaration on Open Research Information

Thank you for your attention

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Mastodon: **https://social.cwts.nl/@LudoWaltman**