

Towards Open Access Equity:

The role of Diamond and Not-for-Profit Gold
nationally decentralized scholarly
communication

The Case of SciELO Network and SciELO Brazil

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FAPESP

Federal University of São Paulo Foundation



Ciência Aberta com IDEIA

Impacto, Diversidade, Equidade, Inclusão e
Acessibilidade

Ciencia Abierta con IDEIA

Impacto, Diversidad, Equidad, Inclusión e
Accesibilidad

Open Science with IDEIA

Impact, Diversity, Equity, Inclusion and
Accessibility

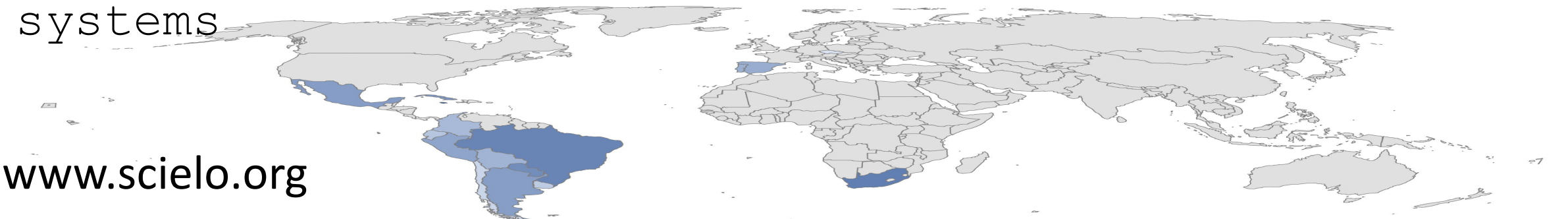
Moving beyond the "Mainstream-Regional"
dichotomy

In favor of Open Science with IDEIA:

- Multilingualism supported by IA
- Research as a Social Determinant of Development
- National Capacity to perform the Entire Research Cycle
 - Research production and Publishing

SciELO Network is an achievement of national research systems

www.scielo.org



JOURNALS

 **Argentina**

 **Bolivia**

 **Brazil**

 **Chile**

 **Colombia**

 **Costa Rica**

 **Cuba**

 **Ecuador**

 **Mexico**

 **Paraguay**

 **Peru**

 **Portugal**

 **Public Health**

 **South Africa**

 **Spain**

 **Uruguay**

IN DEVELOPMENT

 **Venezuela**

 **West Indies**

SERVERS AND REPOSITORIES

 **SciELO Data**

 **SciELO Preprints**

BOOKS

 **SciELO Books**

OTHERS

 **Biodiversity Heritage Library**

 **Ciência e Cultura**

 **Pesquisa FAPESP**



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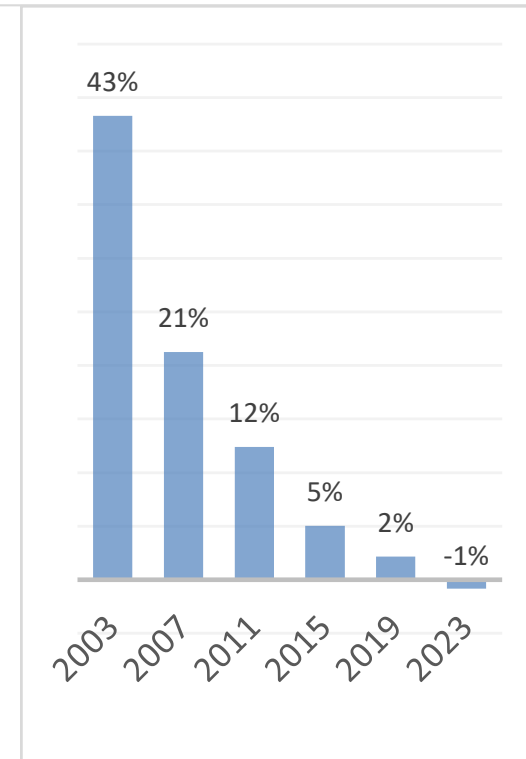
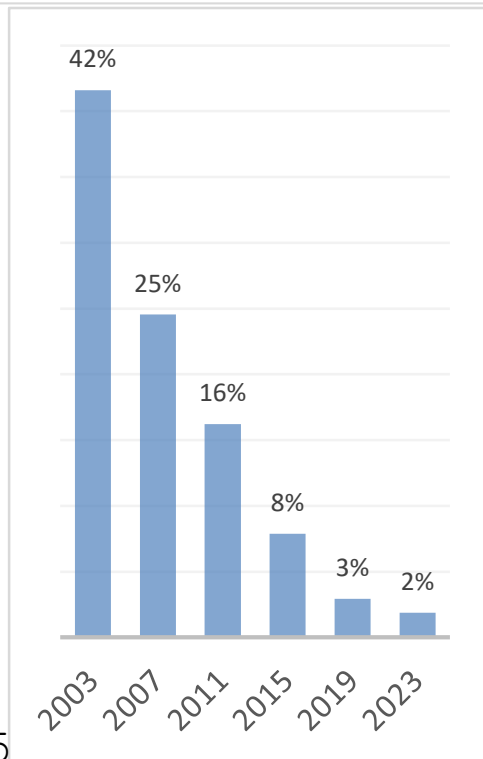
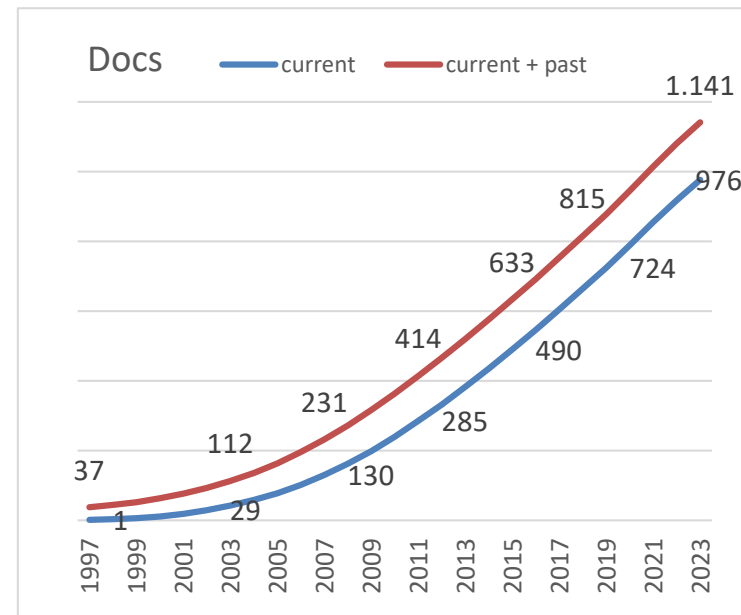
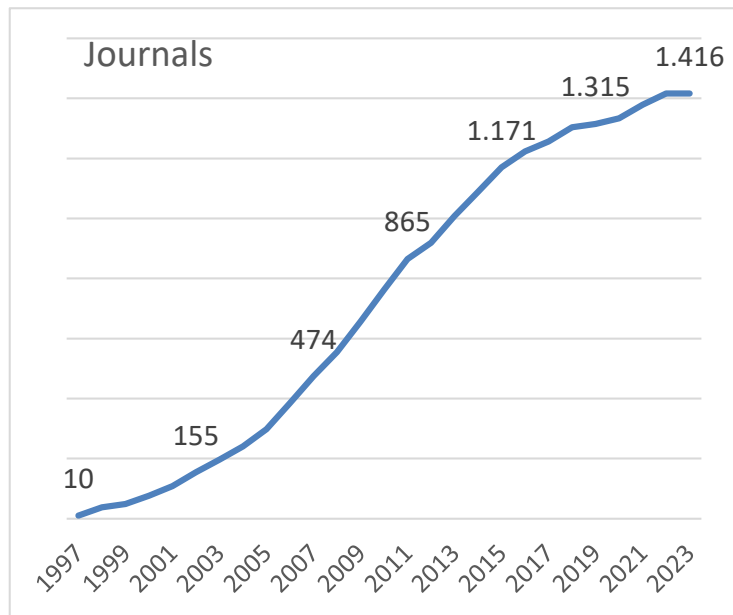
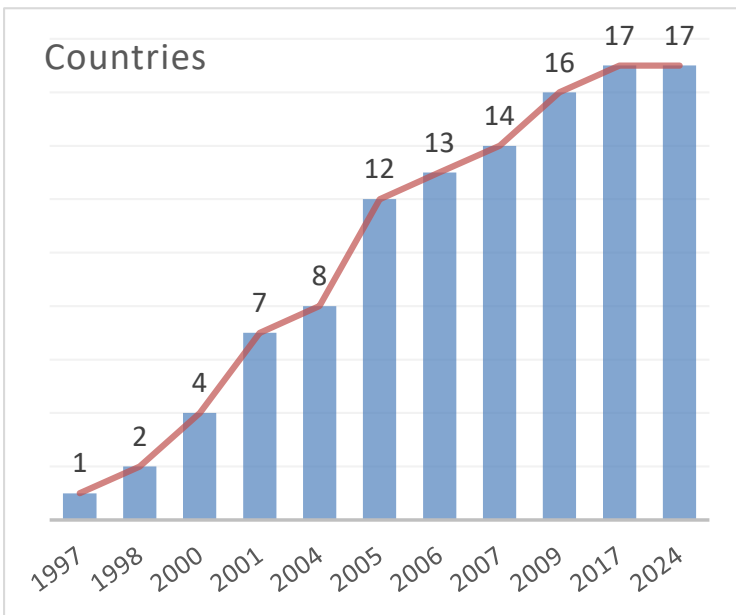
BIREME

Centro Latinoamericano y del Caribe de Información en Ciencias de la Salud

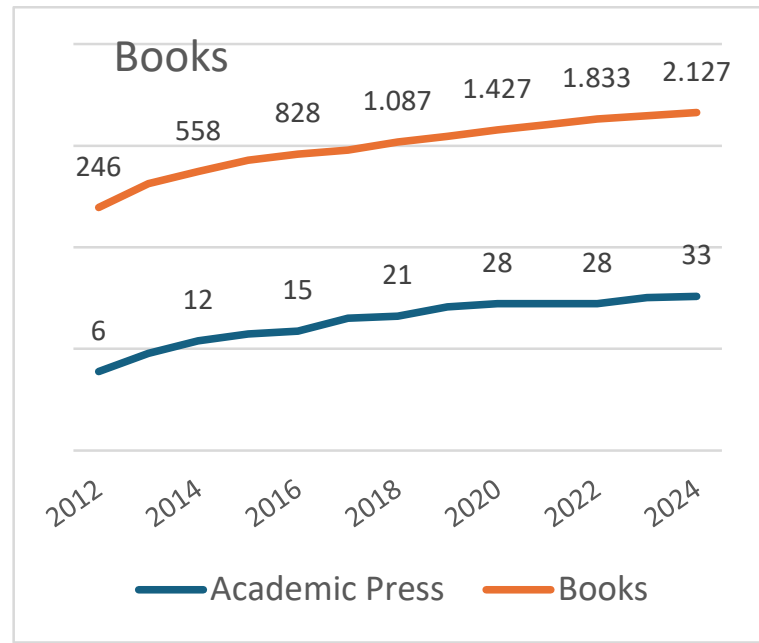
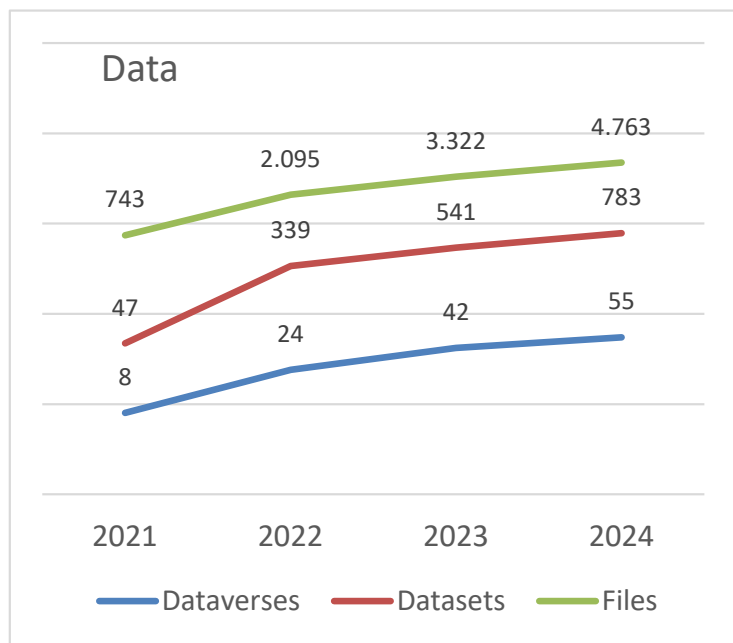
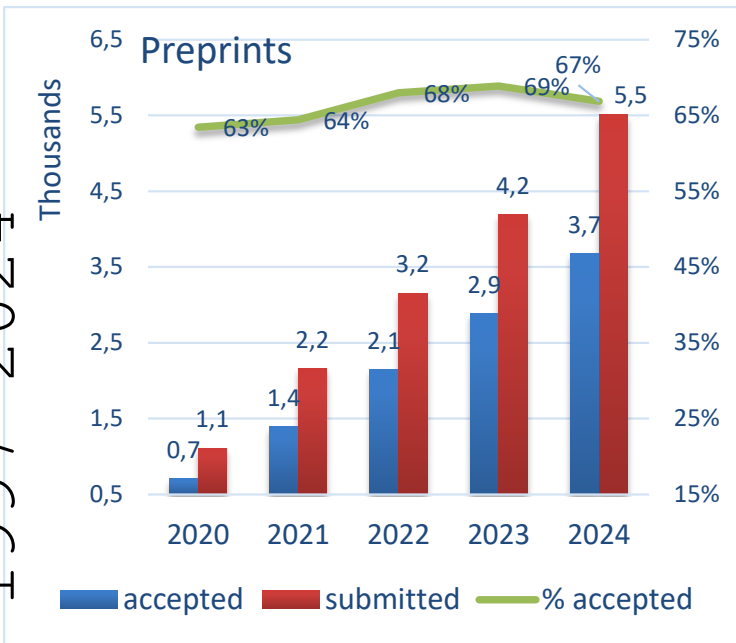
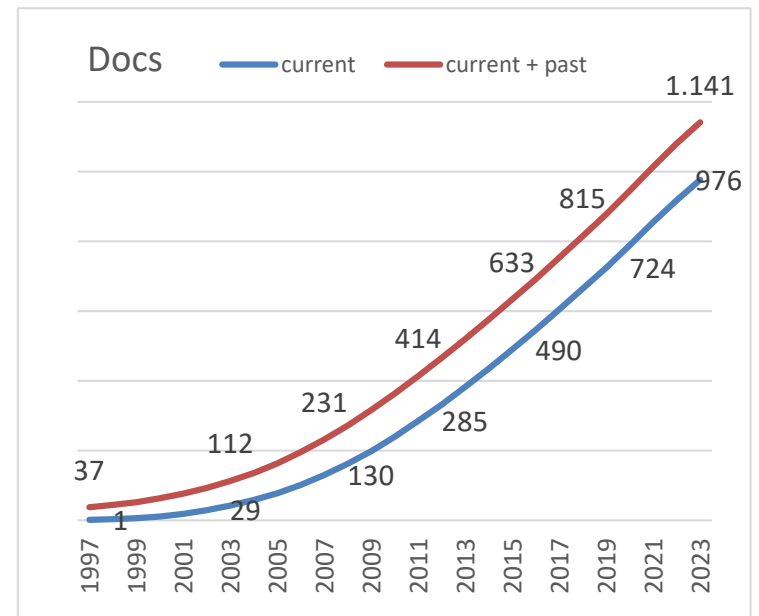
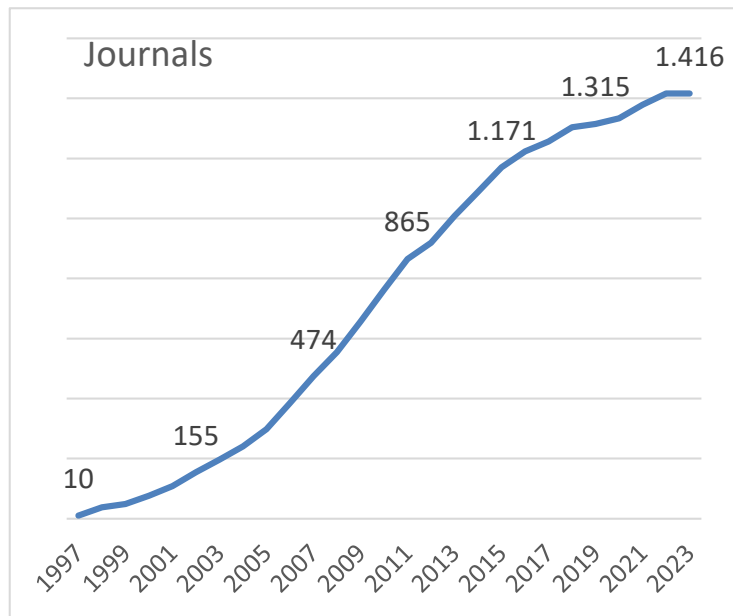
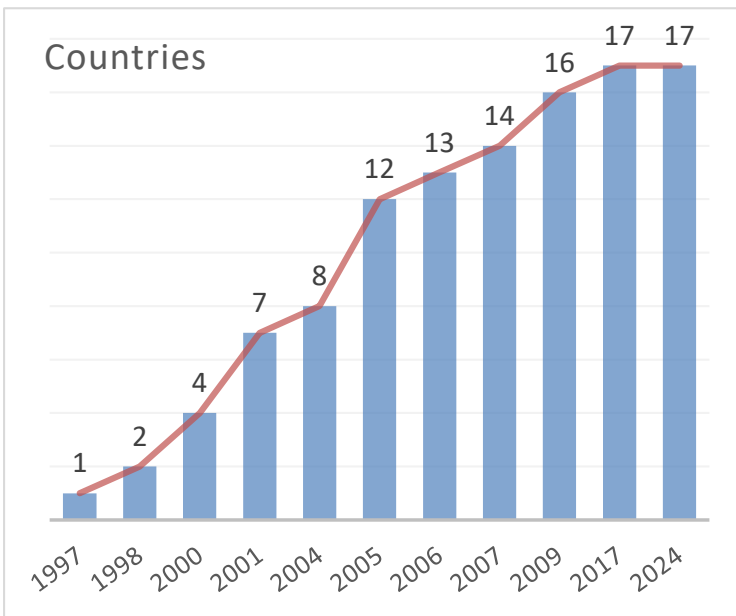


THE UNIVERSITY OF THE WEST INDIES

SciELO Network evolution, 1997-2024

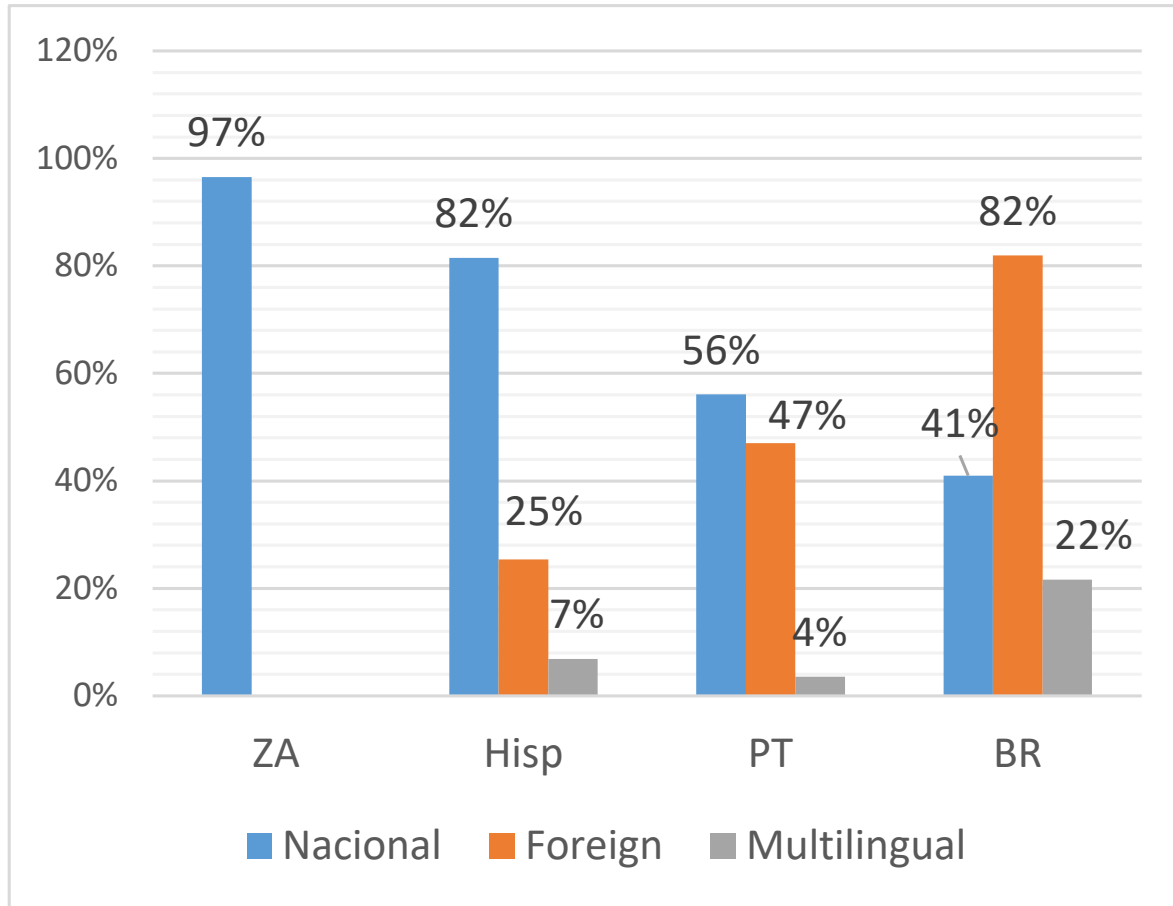


SciELO Network evolution, 1997-2024

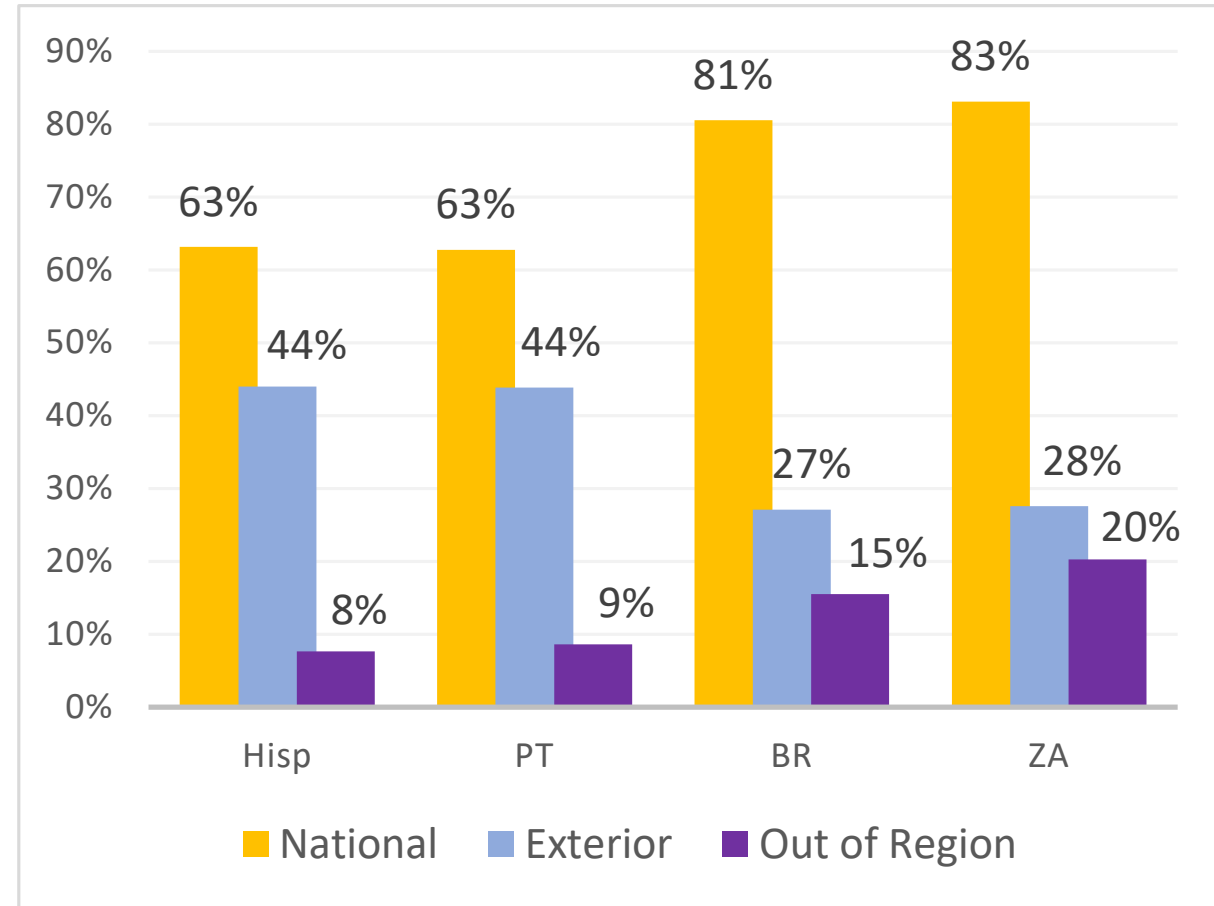


SciELO Network - diversity and inclusion

Language, 2021-2023

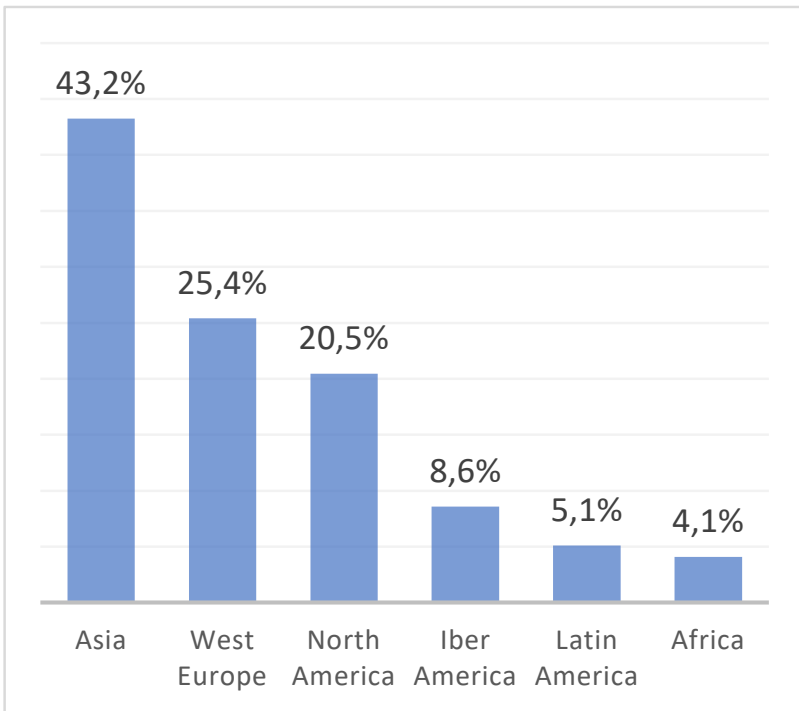


Affiliation, 2019-2021

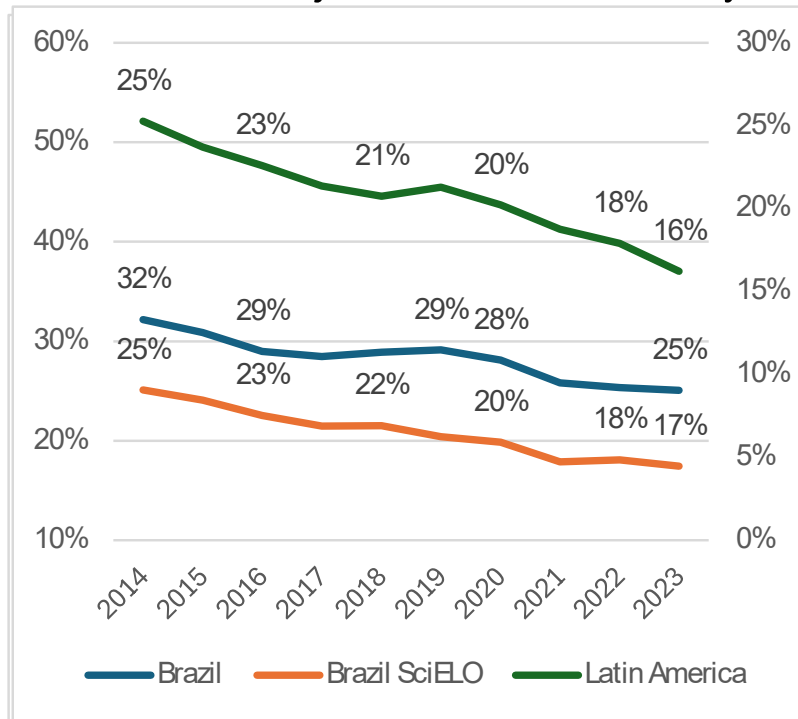


Scientific production by Region, Scimago-Scopus

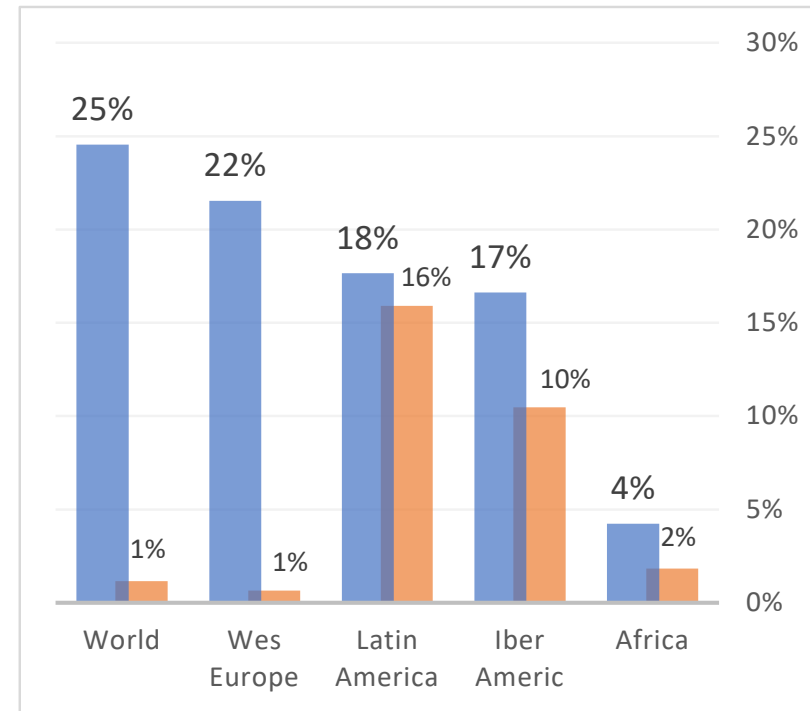
2021-2023, % of total docs



2014 – 2023 – journals same country



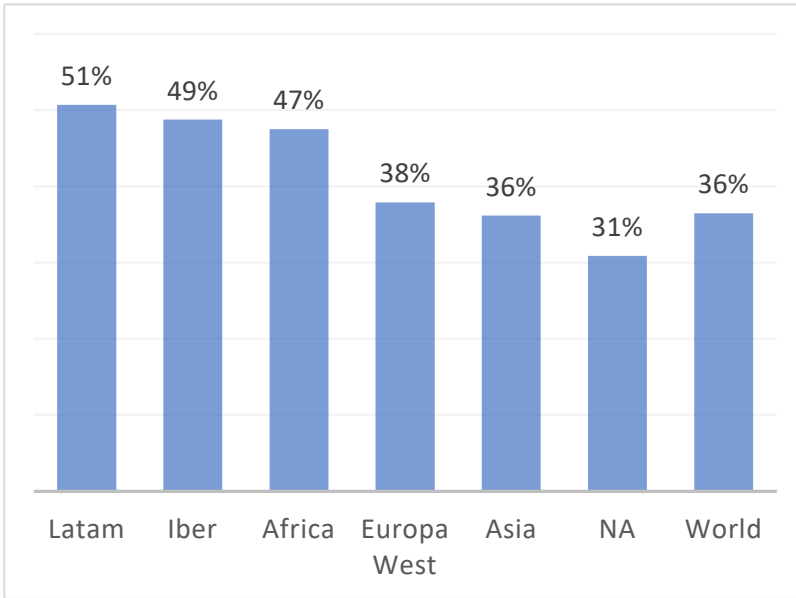
2021 – 2023: % SciELO



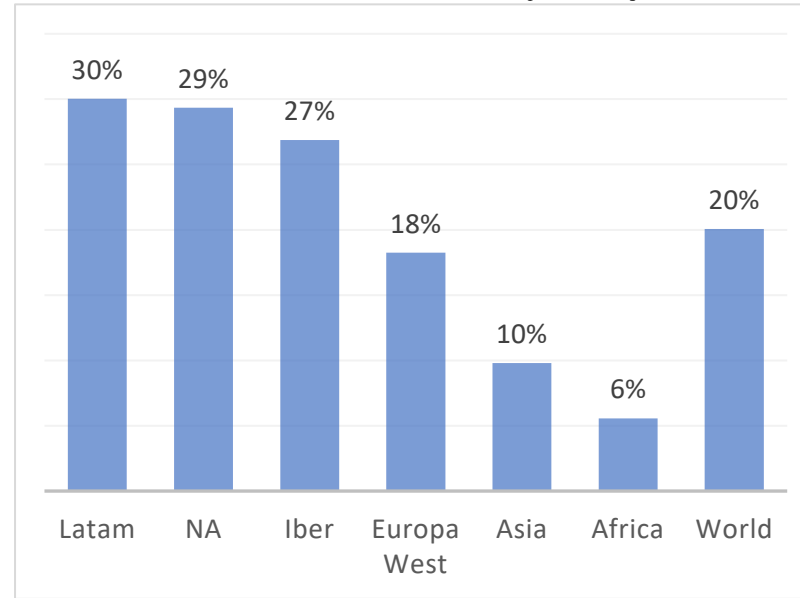
Scimago / Scopus: World report, 2024

Scientific production in Gold Open Access

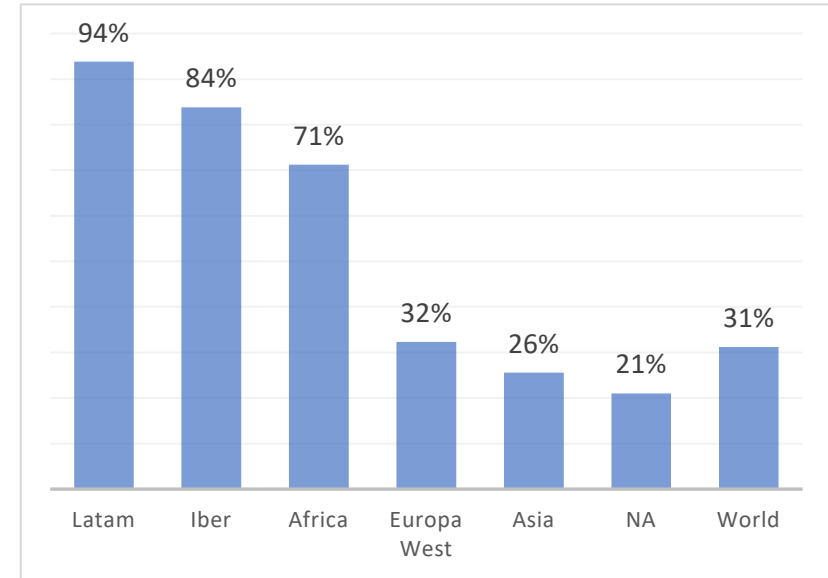
Total – in all OA journals



% Total from same country OA journals

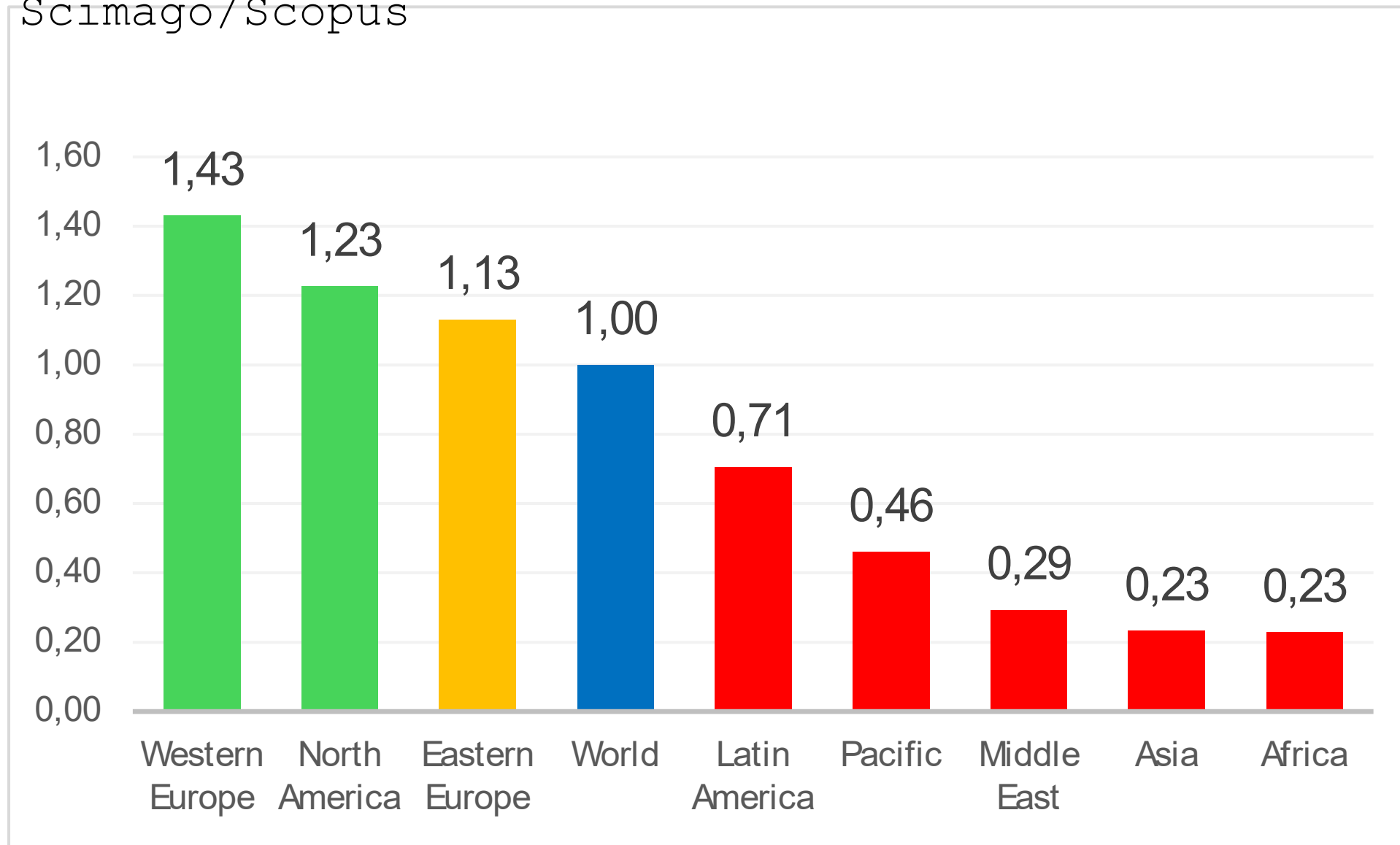


Within same country OA journals



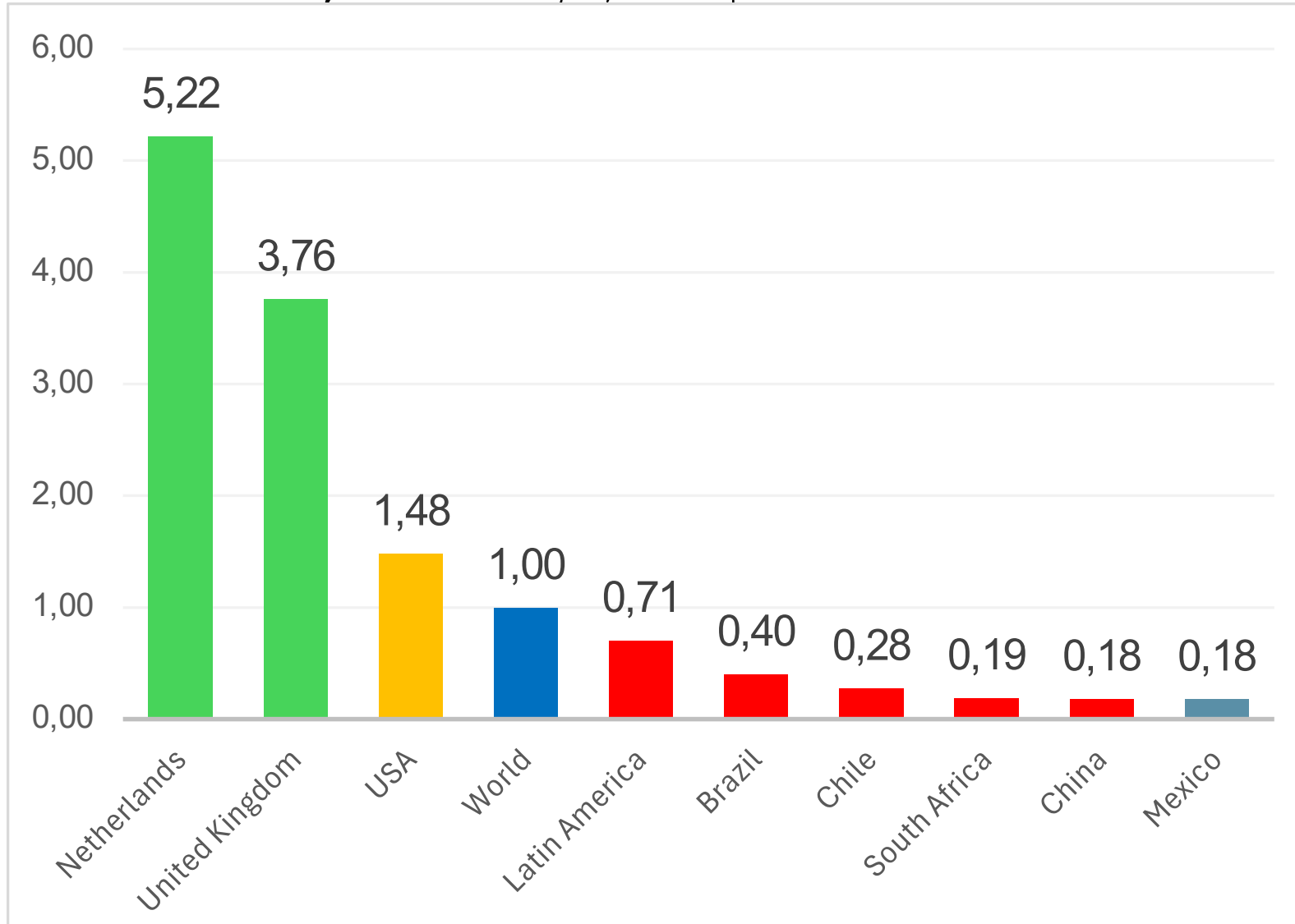
Scimago / Scopus: World report, 2024

% articles published / % of journals by Region,
Scimago/Scopus



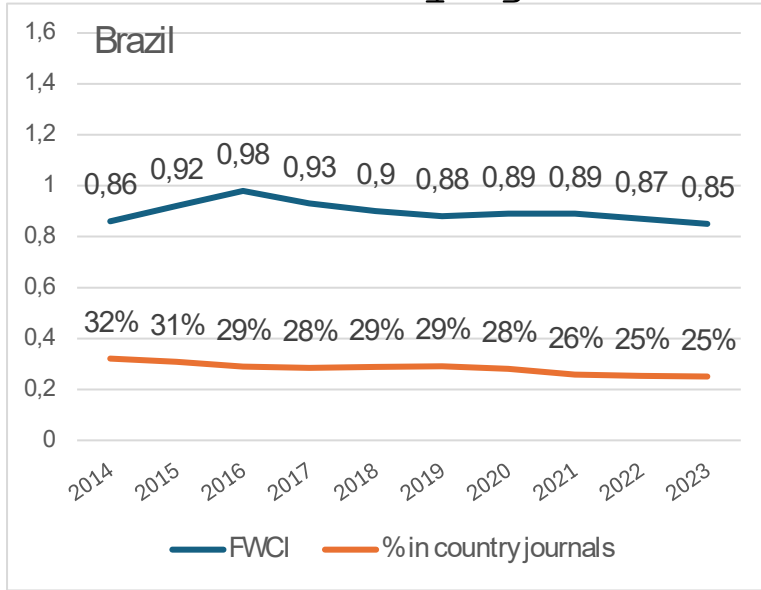
Source: Scimago / Scopus

% articles published / % of journals by selected Countries, Scimago/Scopus

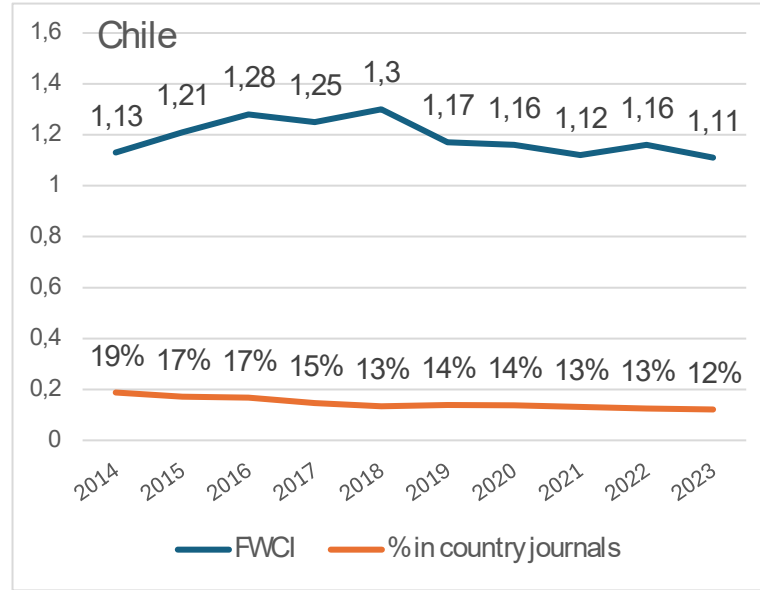


Source: Scimago / Scopus

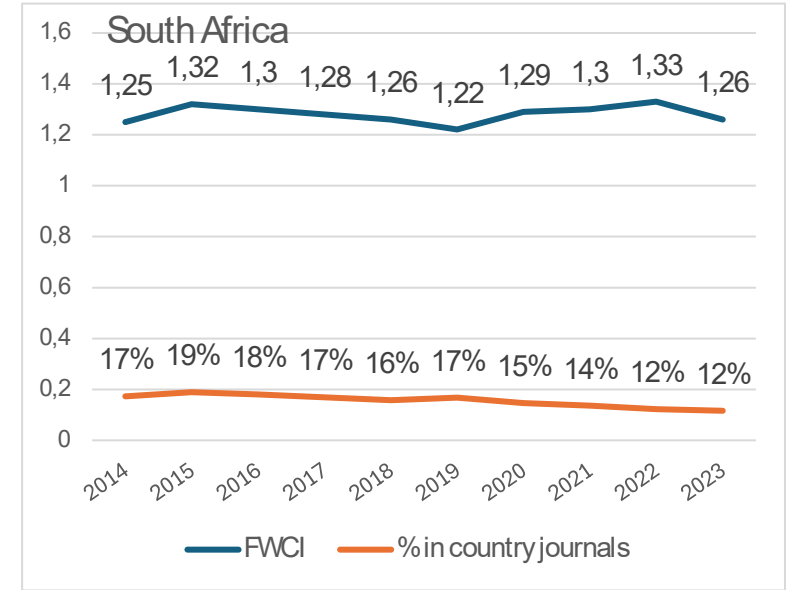
Brazil, Chile and South Africa – FWCI x publishing in same country journals



	r	p
all	0,28	0,435
SciELO	0,48	0,21



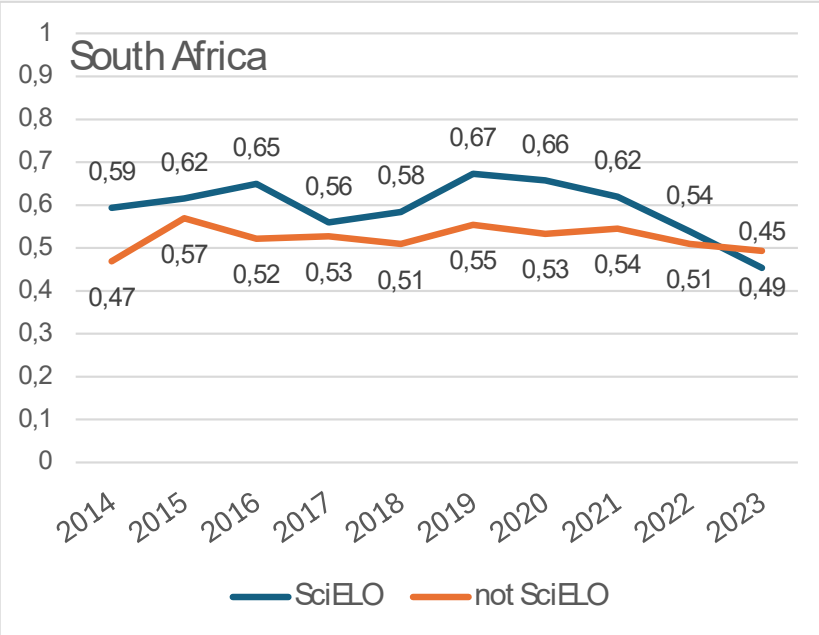
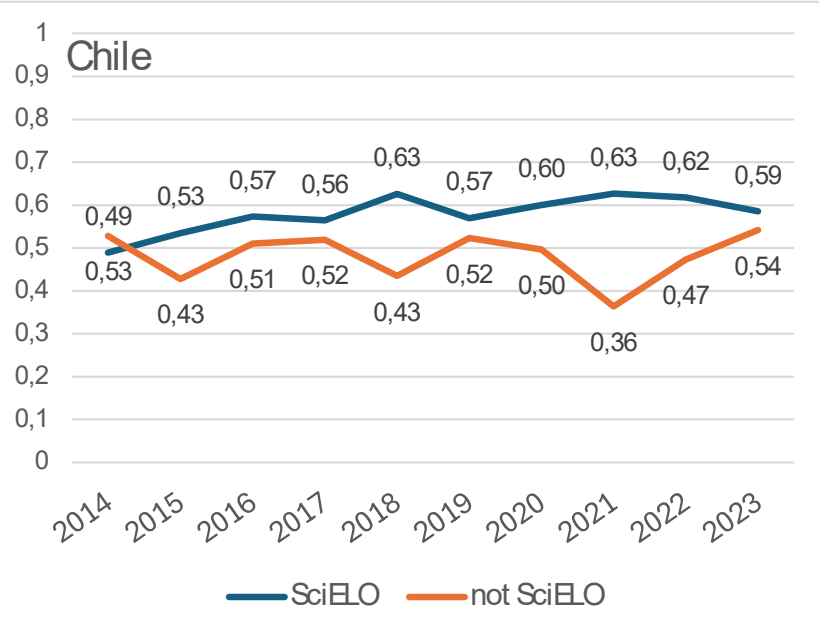
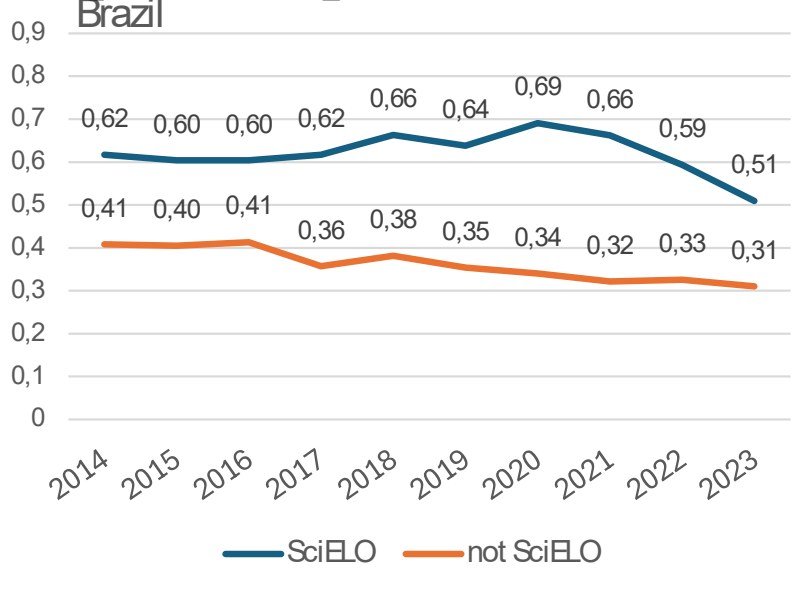
	r	p
all	0,18	0,621
SciELO	0,22	0,537



	r	p
all	-0,13	0,715
SciELO	0,04	0,909

Source: Scopus, 2025

Brazil, Chile and South Africa - SciELO and not SciELO journals - impact by SNIP/CWTS



Source: Scopus, 2025

SciELO Brazil - estimated average costs per article (1USD=5.00)

- USD 400.00 - article produced by journals
- USD 300.00 - 2024: APC for 28% of journals, 36% of articles
- USD 100.00 - article indexed and published in SciELO platform
- USD 500.00 - estimated total cost for the entire production flow
etc
- USD 2.2 m - annual operating cost of 323 journals of SciELO
Brazil
- USD 11 m - total annual production cost of 323 journals of SciELO
Brazil
- USD 15 m - total annual production cost of 650 to 700 journals

Below is the **summary of your rating**:

- Access to read: Most Equitable
- Publishing Immediate Open Access: Most Equitable
- Maximizing participation: Most Equitable
- Re-use rights: Most Equitable
- Pricing and fee transparency: Somewhat Equitable
- Promoting and encouraging open research practices: data and code: Somewhat Equitable
- Promoting and encouraging open research practices: preprints and open peer review: Most Equitable

How equitable is SciELO?

- **“Least equitable”** (1 point)
- **“Somewhat equitable”** (3 points)
- **“Most equitable”** (5 points)

How Equitable Is It?

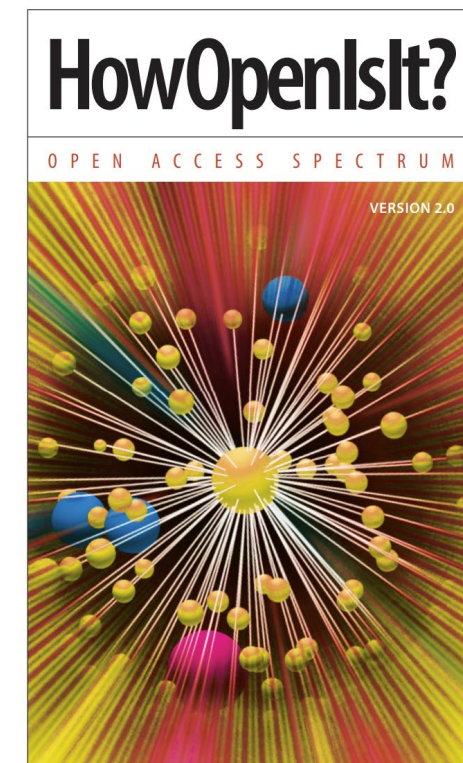
a draft framework for assessing scholarly communication models on the axis of equity

(beta version, 18th September 2024)

Developed by the “Beyond article-based charges” working group, which is convened by cOAlition S, Jisc and PLOS.

Start

press Enter ↵



Below is the **summary of your rating**:

- Access to read: Most Equitable
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- Maximizing participation: Most Equitable
- Re-use rights: Most Equitable
- Pricing and fee transparency: Somewhat Equitable
- Promoting and encouraging open research practices: data and code: Somewhat Equitable
- Promoting and encouraging open research practices: preprints and open peer review: Most Equitable

How equitable is SciELO?

Based on your input, the model **SciELO** has scored **31/35**, in the "**How Equitable Is It?**" framework.

How Equitable Is It?

a draft framework for assessing scholarly communication models on the axis of equity

(beta version, 18th September 2024)

Developed by the "Beyond article-based charges" working group, which is convened by cOAlition S, Jisc and PLOS.

Start

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This Guide Is A Collaboration Among:



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PLOS
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OPEN ACCESS

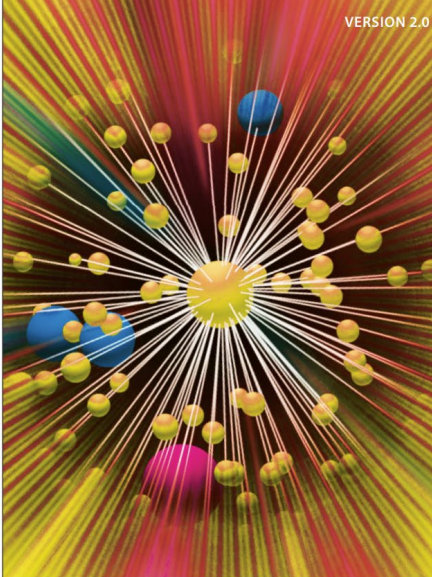
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PLOS Computational Biology, 2008, 4(3).
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HowOpenIt?

OPEN ACCESS SPECTRUM

VERSION 2.0



Brazil 2024 research output in Scopus, estimated costs

Publisher	Articles	%	% acm	APC (€)
Elsevier B.V.	16.389	20%	20%	2.608,00
SciELO Brazil	12.907	15%	35%	245,00
Springer Nature	11.740	14%	49%	2.186,00
MDPI	6.283	7%	56%	1.579,00
John Wiley and Sons Inc	6.212	7%	64%	2.310,00
Brazil	4.416	5%	69%	200,00
Taylor and Francis Ltd.	3.587	4,3%	73%	1.638,00
Frontiers Media SA	1.248	1,5%	75%	2.061,00
Oxford University Press	1.186	1,4%	76%	2.527,00
SciELO Network	1.160	1,4%	78%	
SAGE Publications Ltd	1.121	1,3%	79%	1.128,00
American Chemical Society	901	1,1%	80%	2.638,00
IEEE	896	1,1%	81%	1.517,00
American Physical Society	743	0,9%	82%	2.224,00
Ovid Technologies	723	0,9%	83%	3.021,00
Public Library of Science	659	0,8%	84%	1.599,00
Emerald Publishing	550	0,7%	84%	2.292,00
Institute of Physics	543	0,6%	85%	1.646,00
Cambridge University Press	464	0,6%	85%	2.331,00

Total articles - 84k, 1st author ~ 70K

Funding:

~ € 125 m all articles

~ € 100 m 81% first author

Cost reduction to 50% in 6 Years:

- 3% not-for-profit growth rate
- 5% preprints

Moving beyond the "Mainstream-Regional" dichotomy

In favor of Open Science with IDEIA:

- Multilingualism
- Research as a Social Determinant of Development
- National Capacity to perform the Entire Research Cycle
 - Research production and Publishing

Thank you!

Relative Production Index by Region, Scimago, Scopus, 2023

Region	journals	docs by journal affiliation	docs by author affiliation	index by journals	index by journal docs	SNIP Median
Western Europe	12.903	1.605.160	1.285.568	1,40	1,43	0,78
North America	6.795	902.093	842.915	1,12	1,23	0,80
Eastern Europe	2.905	318.514	322.746	1,26	1,13	0,37
Latin America	1.215	127.409	206.907	0,82	0,71	0,37
Pacific	461	56.157	139.678	0,46	0,46	0,65
Middle East	845	82.770	323.304	0,36	0,29	0,33
Asia	3.471	393.474	1.938.766	0,25	0,23	0,44
Africa	334	37.059	185.980	0,25	0,23	0,37
World	28.929	3.522.636	4.035.291	1,00	1,00	0,70

index by journals: $\frac{\% \text{ docs author aff}}{\% \text{ journals}}$

Relative Production Index by selected countries, Scimago,

Region	journals	docs by journal affiliation	docs by author affiliation	index by journals	index by journal docs	SNIP Median
Western Europe	12.903	1.605.160	1.285.568	1,40	1,43	0,78
Netherlands	2263	333449	72640	4,31	5,22	0,92
United Kingdom	6066	789507	238568	3,52	3,76	0,92
North America	6.795	902.093	842.915	1,12	1,23	0,80
USA	6642	930979	714412	1,29	1,48	0,82
Eastern Europe	2.905	318.514	322.746	1,26	1,13	0,37
Latin America	1.215	127.409	206.907	0,82	0,71	0,37
Brazil	470	31488	88827	0,73	0,40	0,40
Chile	129	4732	19529	0,91	0,28	0,55
Mexico	126	5111	32170	0,54	0,18	0,34
Pacific	461	56.157	139.678	0,46	0,46	0,65
Middle East	845	82.770	323.304	0,36	0,29	0,33
Asia	3.471	393.474	1.938.766	0,25	0,23	0,44
China	1086	167052	1043131	0,14	0,18	0,49
Africa	334	37.059	185.980	0,25	0,23	0,37
South Africa	150	5772	34346	0,60	0,19	0,45
World	28.929	3.522.636	4.035.291	1,00	1,00	0,70