

The background of the slide features a photograph of a mosque with a prominent white dome and minaret, situated on a waterfront. Palm trees are visible in the foreground and background. The text is overlaid on this image.

Globalization of Science Open Glocal Science and the Higher Education

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Topics

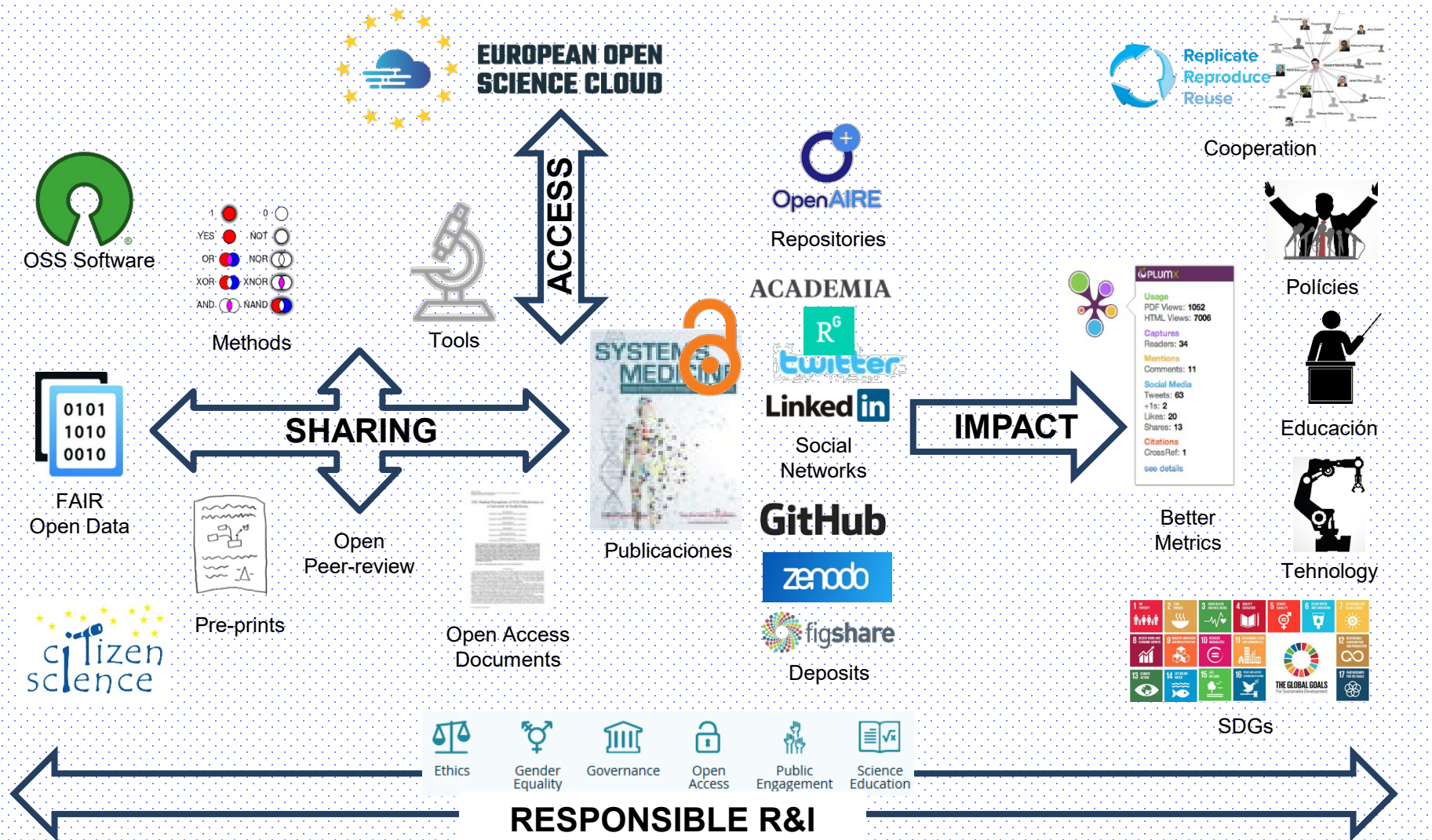
Open (Science)

(Global) Higher Education

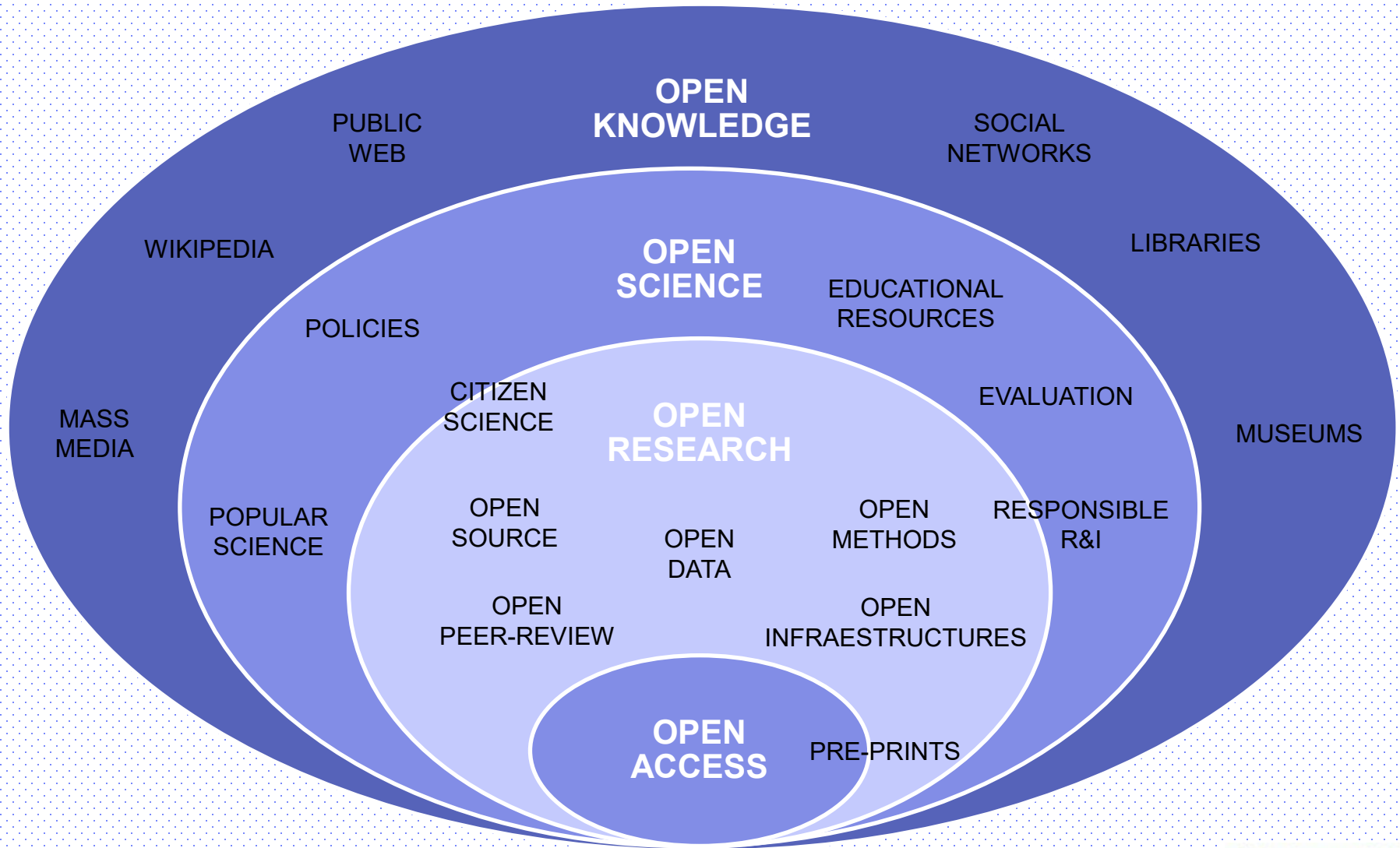
Glocal: Global + Local

GLOBAL OPEN KNOWLEDGE

EC “Open Science”



True “Open Science”



Academia central role

More Knowledge

- * HEIs main role is still the knowledge production and transfer

Quality driven

- * HEIs are an archipelago (islands) of quality in the new digital world

Seeking impact

- * HEIs should search impact beyond the closed academic environment

GLOBAL HIGHER EDUCATION

RANKING WEB OF UNIVERSITIES

ranking	University	Det.	Country	Impact Rank*	Openness Rank*	Excellence Rank*
1	Harvard University	59		1	1	1
2	Stanford University	59		3	2	2
3	Massachusetts Institute of Technology	59		1	3	3
4	University of California Berkeley	59		4	4	4
5	University of Michigan	59		9	10	7
6	University of Oxford	59		15	7	4
7	University of Washington	59		6	64	9
8	Columbia University New York	59		8	8	13
9	Cornell University	59		5	15	24
10	University of Cambridge	59		19	12	12
11	University of Pennsylvania	59		13	11	14
12	Johns Hopkins University	59		17	35	8
13	University of California Los Angeles UCLA	59		18	15	15
14	Yale University	59		11	26	6
15	UCL University College London	59		48	6	19
16	University of California San Diego	59		27	11	39
17	University of Toronto	59		36	22	11
18	University of Wisconsin Madison	59		12	26	6
19	University of Minnesota System	59		14	20	39
20	Duke University	59		30	13	11

+31 000 HEIs
since 2004

IMPACT

50%

VISIBILITY
Linking
Networks

ACTIVITY

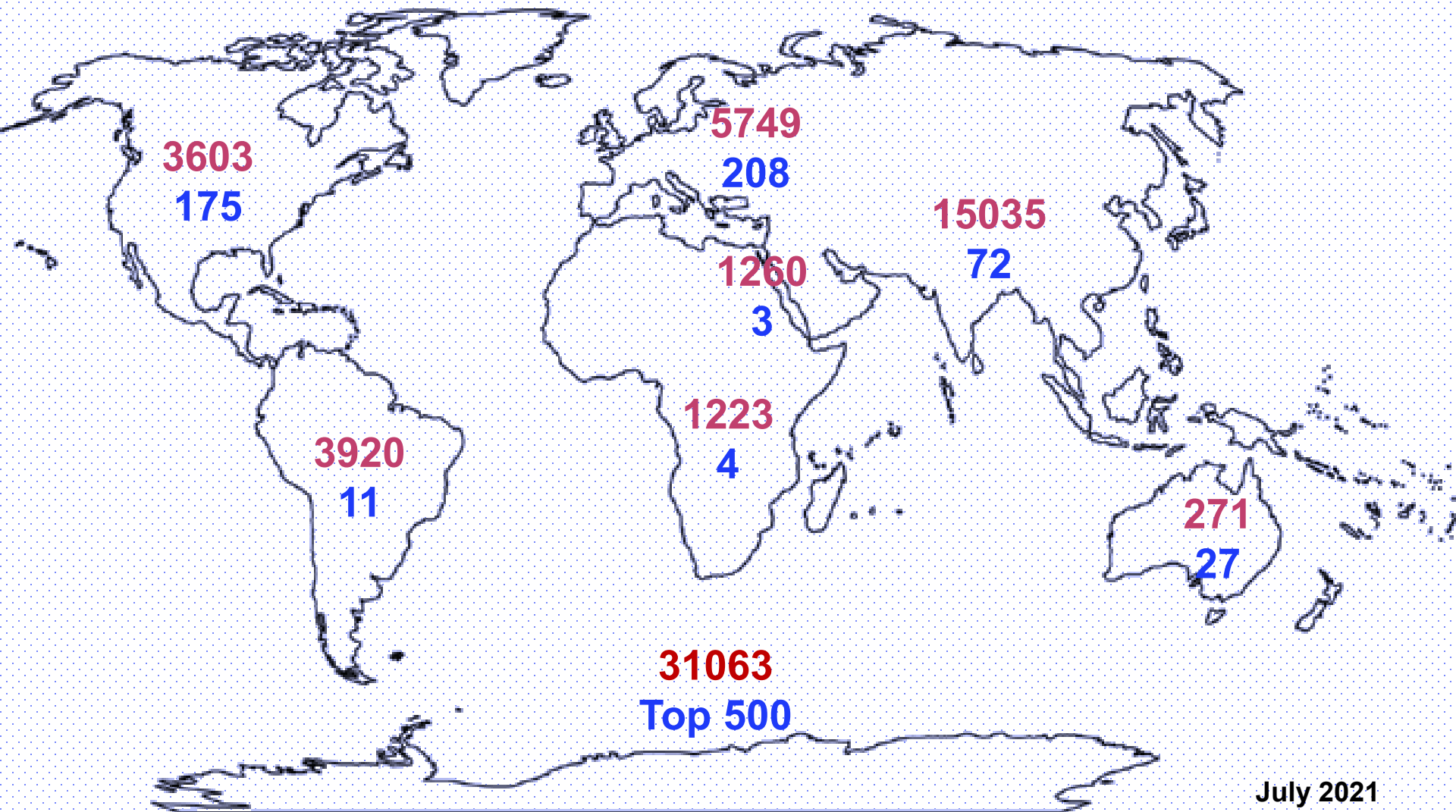
50%

OPENNESS
Profiles

EXCELLENCE
Papers

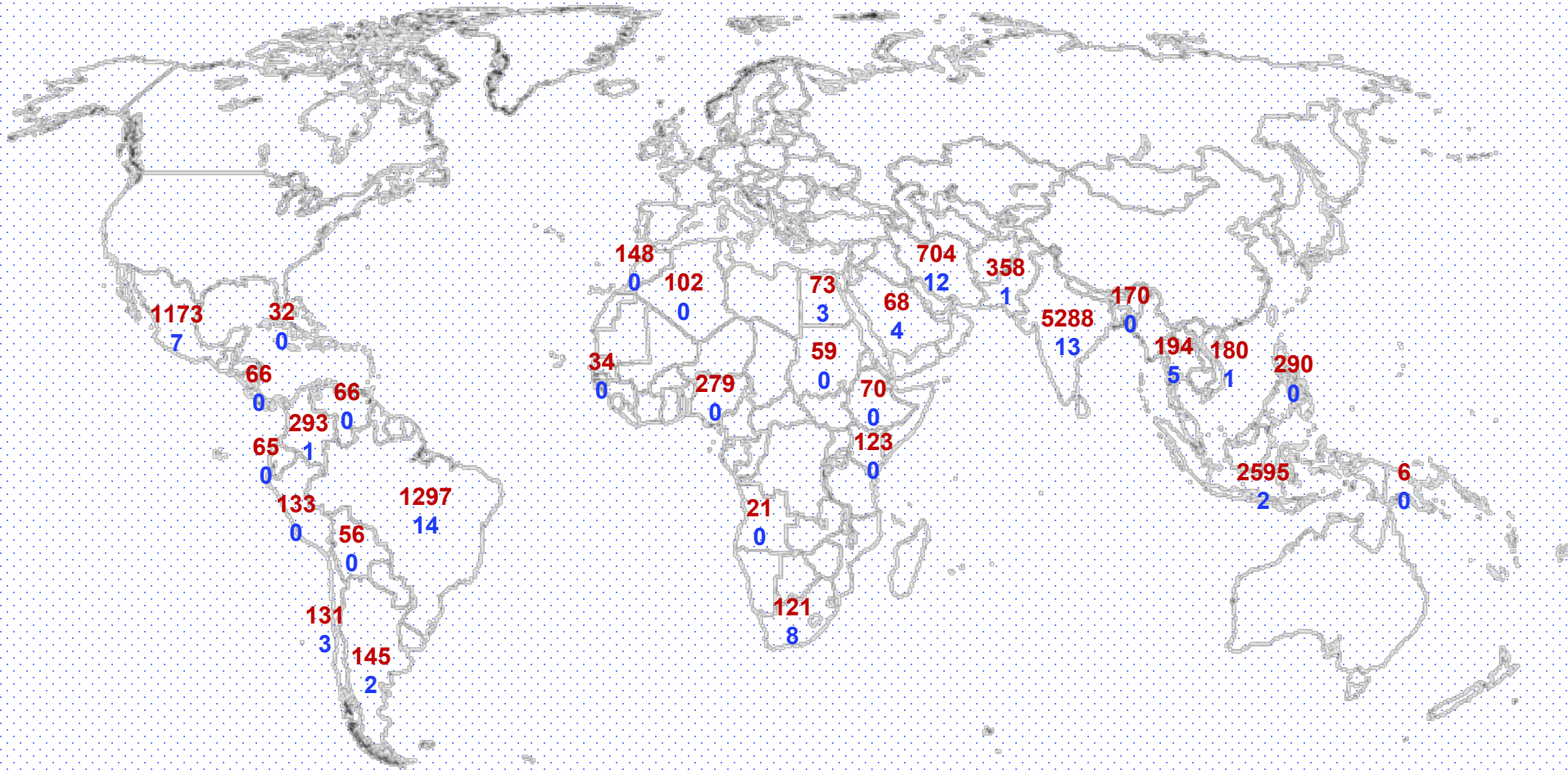
RATIO
1:1

Global North View



July 2021

Global South View



Country
Top 1000

July 2021

Not only Research Mission

Research-intensive Universities

- 1 000 mostly Global North

Professional-oriented Higher Education Institutions

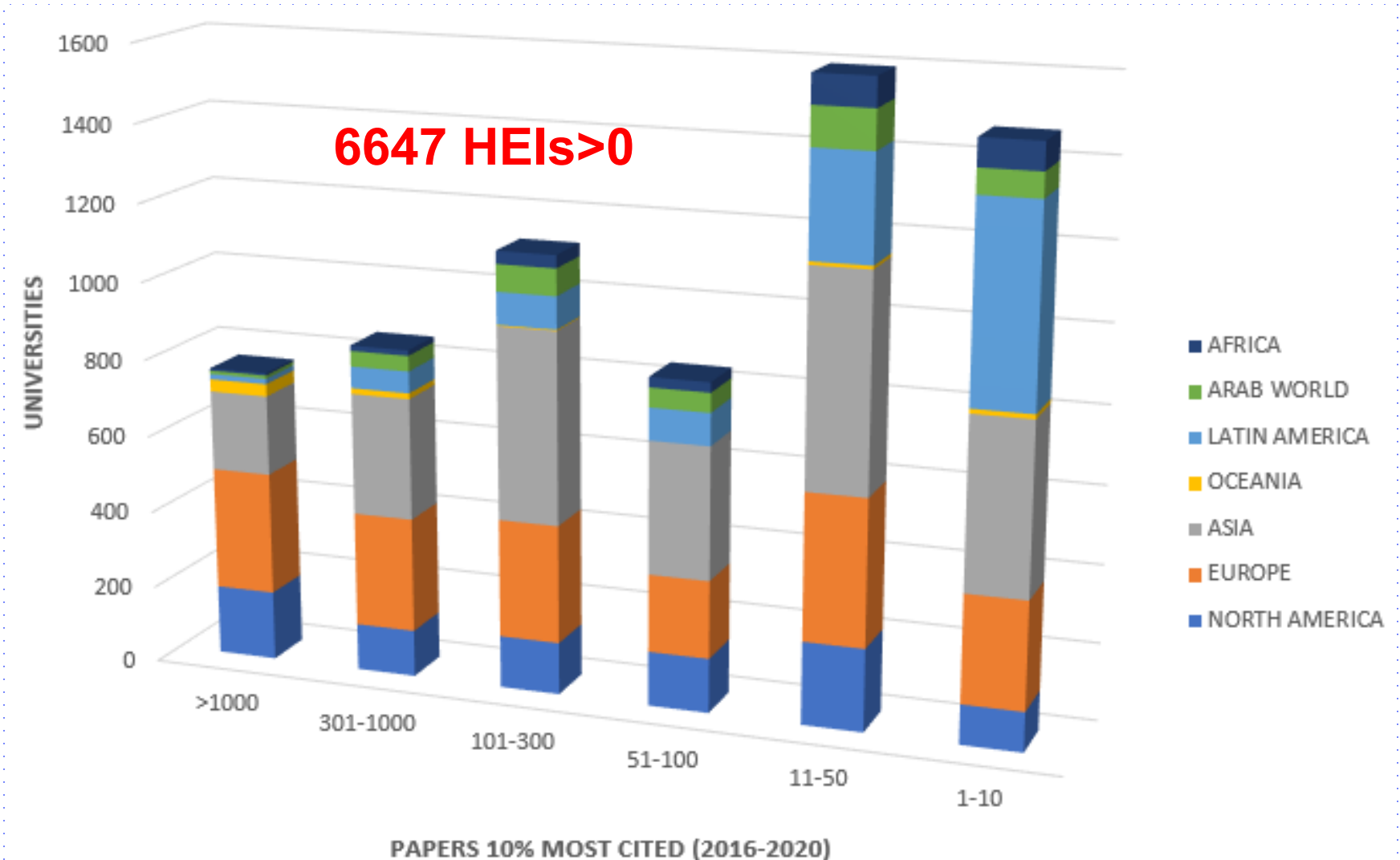
- 30 000+ worldwide

Technology &
Engineering
Medicine
Pharmaceutics
Life Sciences
Veterinary &
Animal Husbandry
Agriculture
Forestry
Computing &
Informatics
Pedagogy

Economy
Business &
Management MBA
Accounting
Banking
Law Schools
Liberal Arts
Fine Arts
Performing Arts
Journalism
Media, Radio & TV
LIS

Tourism & Hospitality
Culinary
Languages
Fashion
Nursing
Community colleges
Religion
Indigenous
Diplomacy
Military
Police
...

But they are also Research Performers

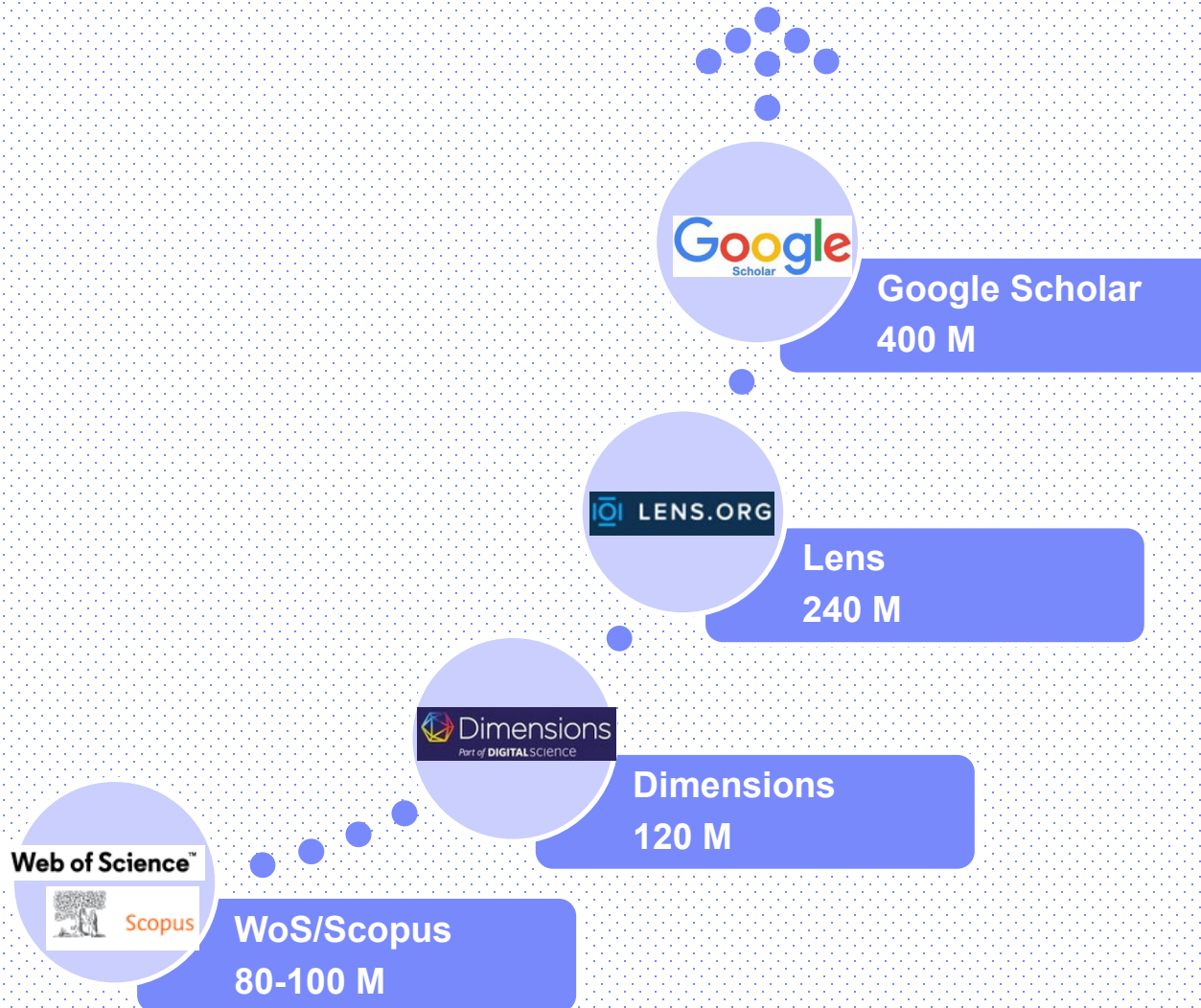


GLOBAL
GLOCAL

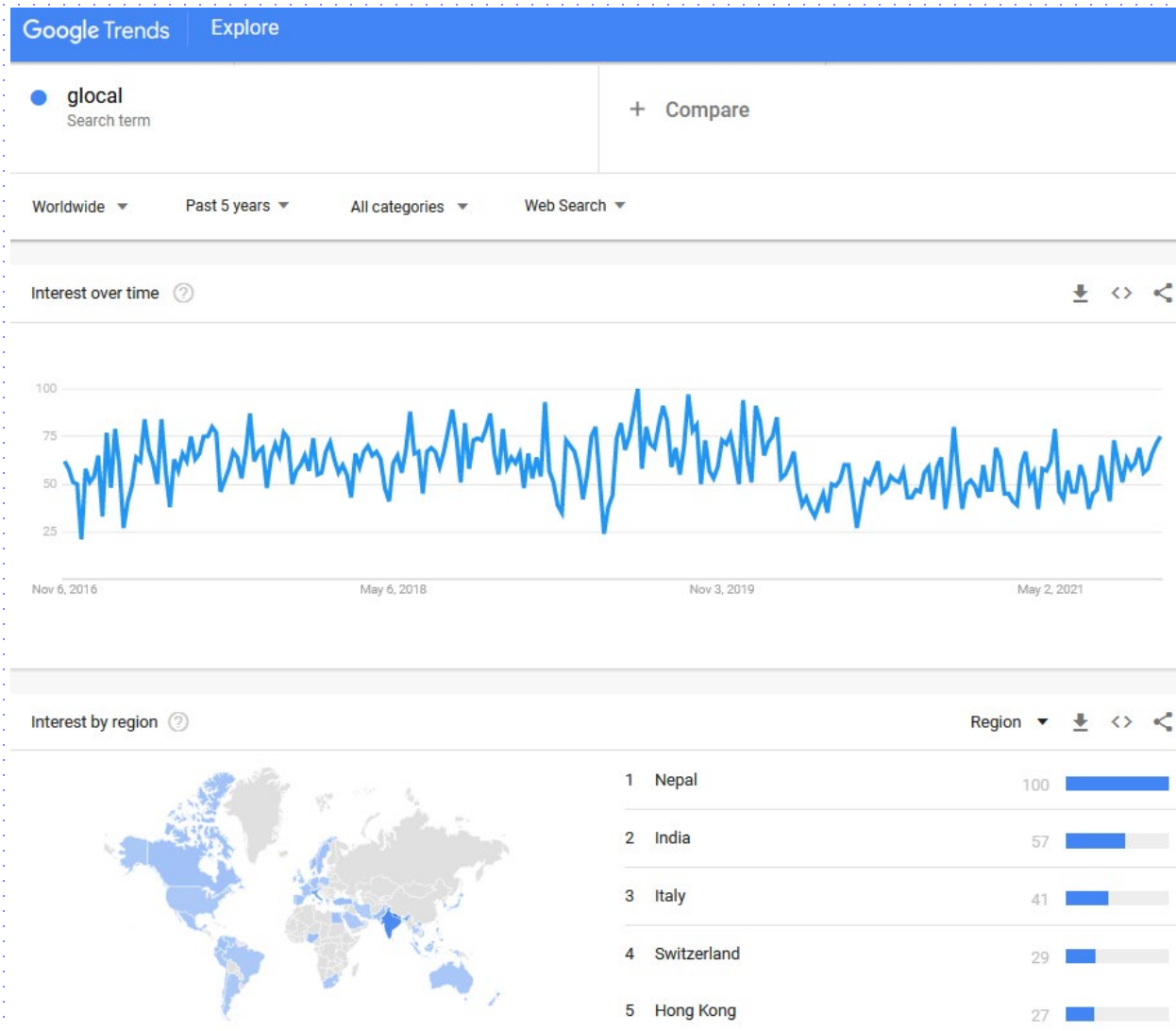
Aims



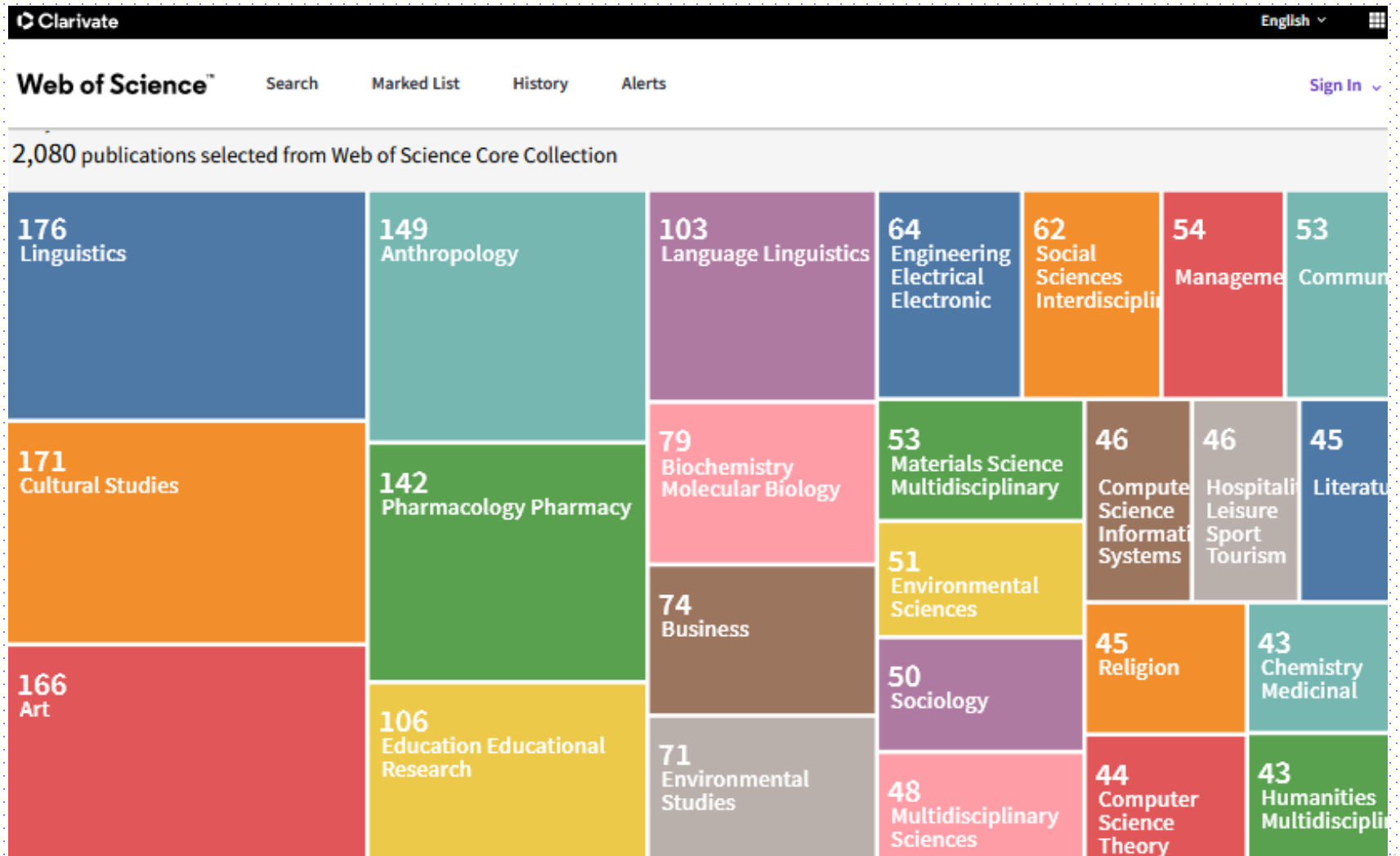
Global Science: Better sources



Glocal in the Web



Glocal in the Web of Science



Models

GLOCAL I

Local issues

From a global perspective

GLOCAL II

Filling gaps

For other needs

¿GLOCAL Research?

LEADER	TOPIC PRIORITY	REASON FOR COOPERATION	PARTNER	RESULTS
GLOBAL SOUTH	Mainly North	Facilities located in the North Facilities located in the South Research object in the North Research object in the South Funding provided by the North Funding provided by the South	GLOBAL NORTH	Temporary mobility Permanent mobility Co-authorship
GLOBAL NORTH	Mainly North	Local data provided by South Facilities located in the South Research object in the South	GLOBAL SOUTH	Knowledge Transfer
	Mainly South	Local data provided by South Research object in the South Facilities located in the South Facilities located in the North	GLOBAL SOUTH	Local development
GLOBAL SOUTH	Regional South	Local challenges Global challenges	Regional South GLOBAL SOUTH	Cooperation
	Global South	Local challenges Global challenges	Regional South GLOBAL SOUTH	

A few suggestions

For the GLOBAL NORTH

- Publish in OA Global South Journals
- Share your Open data, tools and methods
- Open your academic job offers
- Support mobility from Global South
- Develop joint projects with large consortia
- Promote multilingualism
- Non-profit Branches

For the GLOBAL SOUTH

- Local problems are more global than expected
- Check all the literature. English too
- Check for sustainability
- Reject voluntary based solutions
- Merge Open infrastructures
- Add culture diversity & Community Development
- Strength Research Capacity

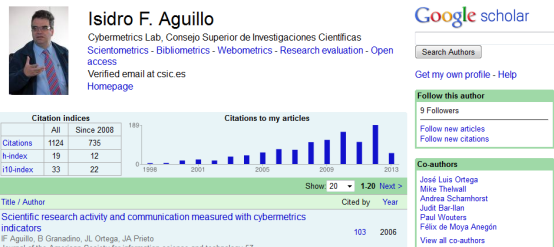
Summarizing

OPEN is
beyond sharing
knowledge
inside
Academia

World-Class
status is not
describing the
whole HE
World

SDGs actions
by Academia
need an hybrid
GLOCAL
approach

Questions?



SaCSbeoAAAAJ



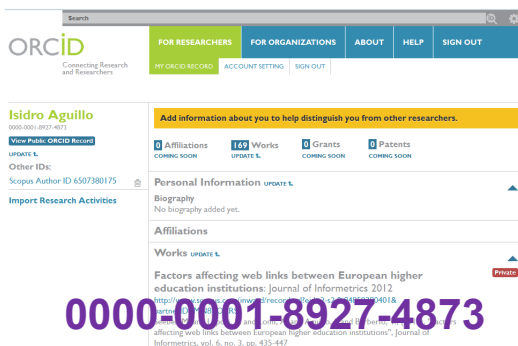
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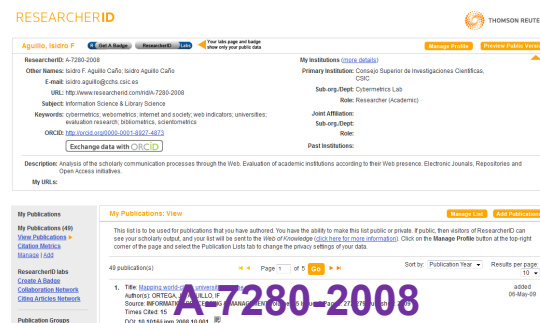
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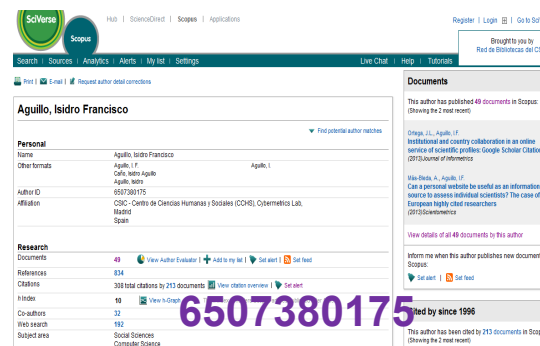
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Thank you!