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“Research evaluation in the southern road to open science”

Open Science needed a global framework

A consensual definition

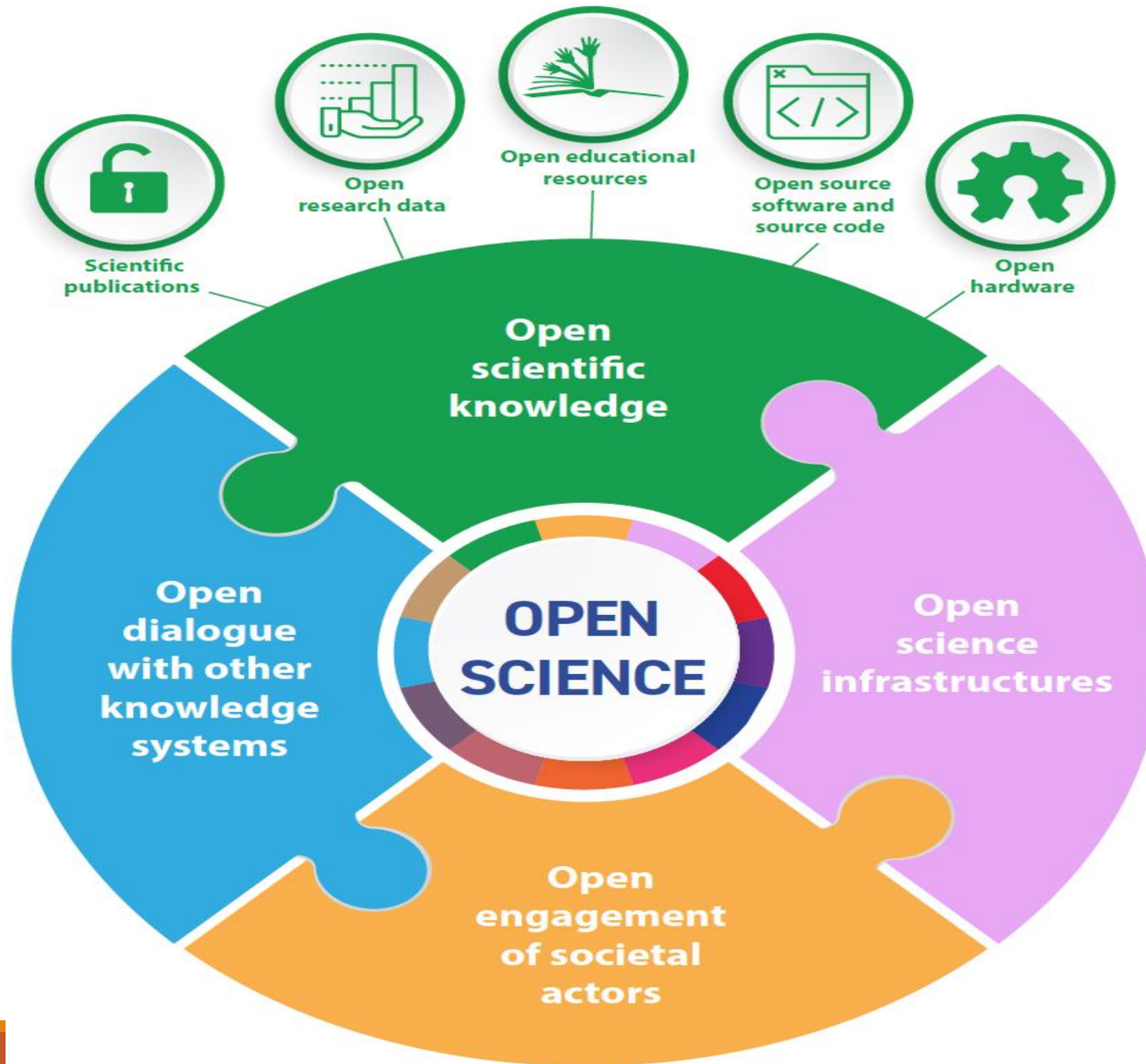
Shared principles and values

A set of actions



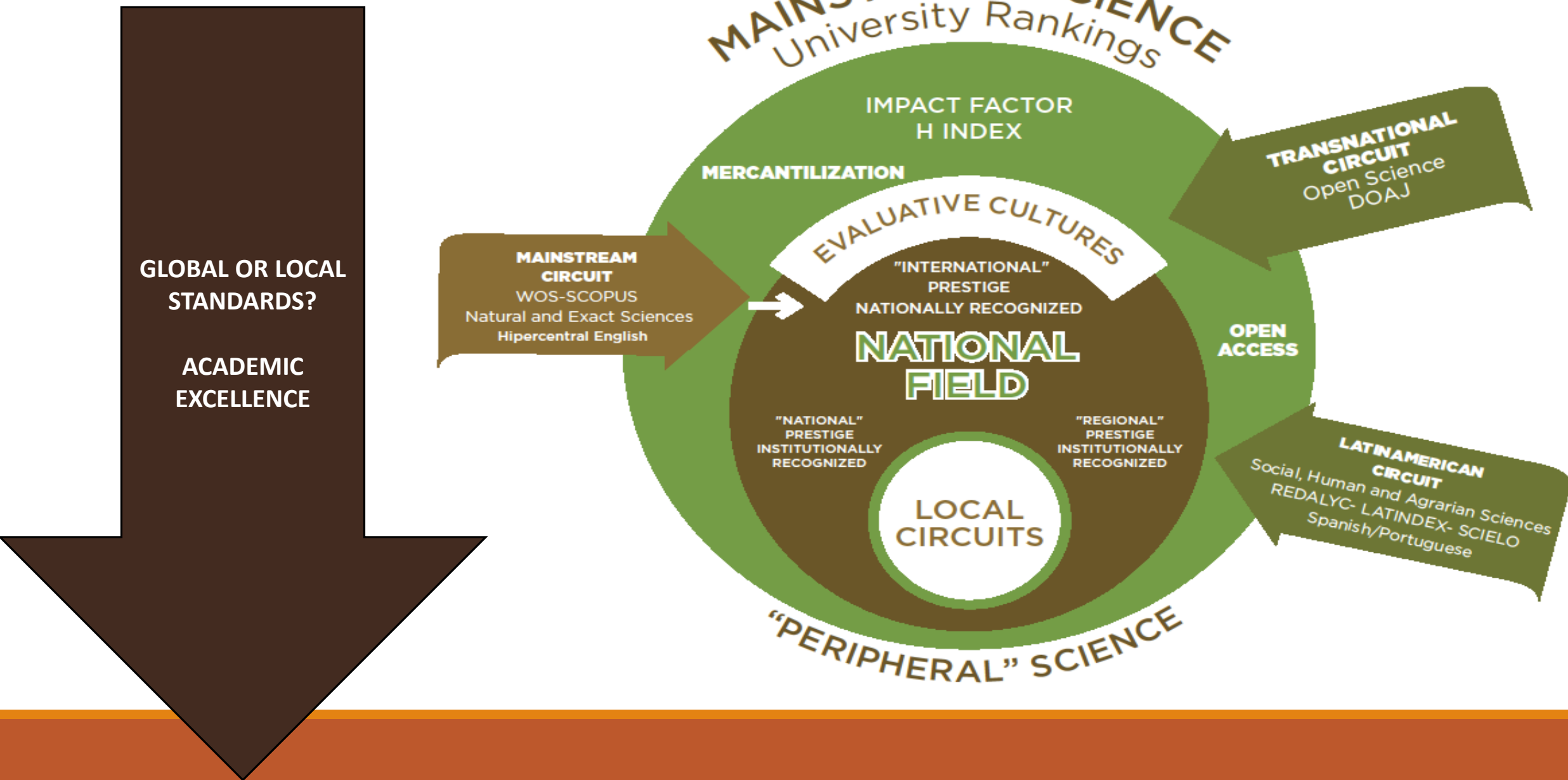
To align incentives in research assessment is a key to foster a culture of open science

To promote high-quality and responsible research it is critical to go beyond the Impact Factor

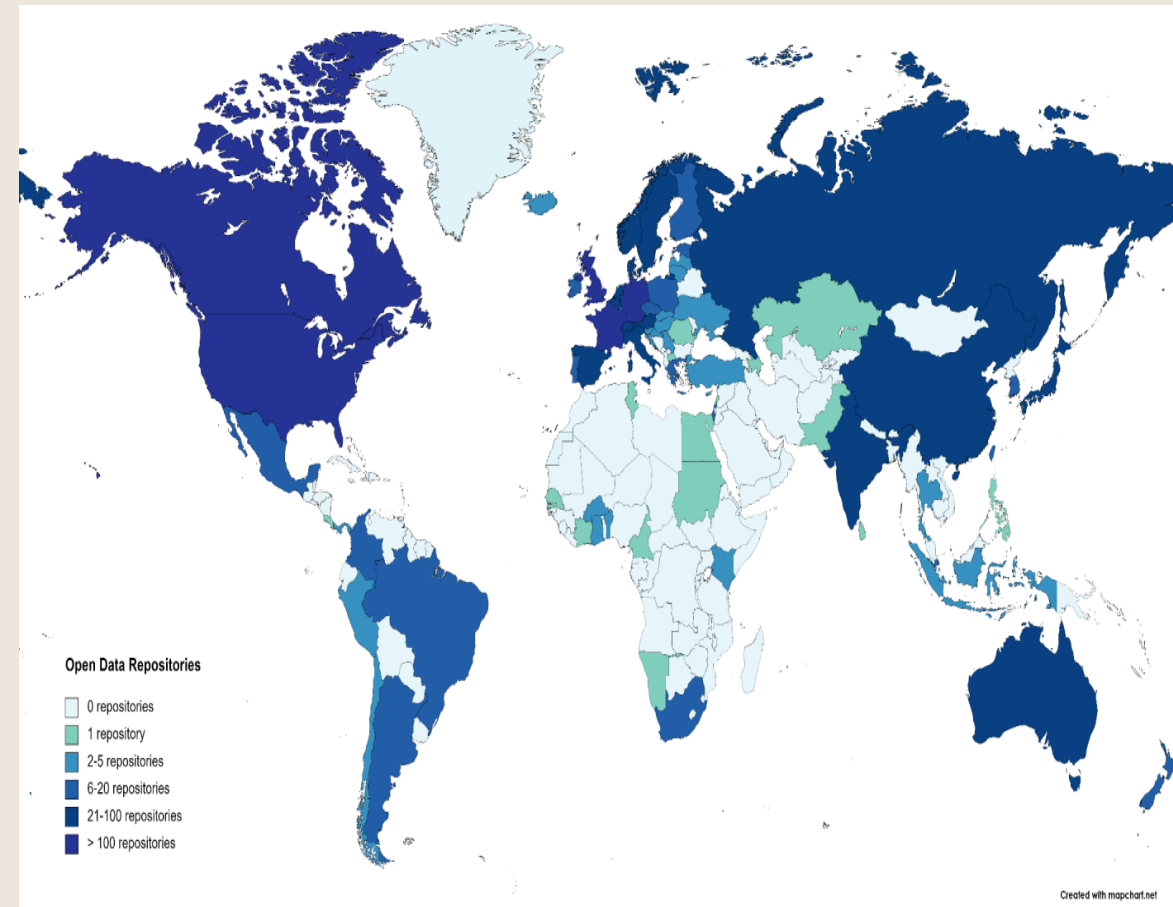
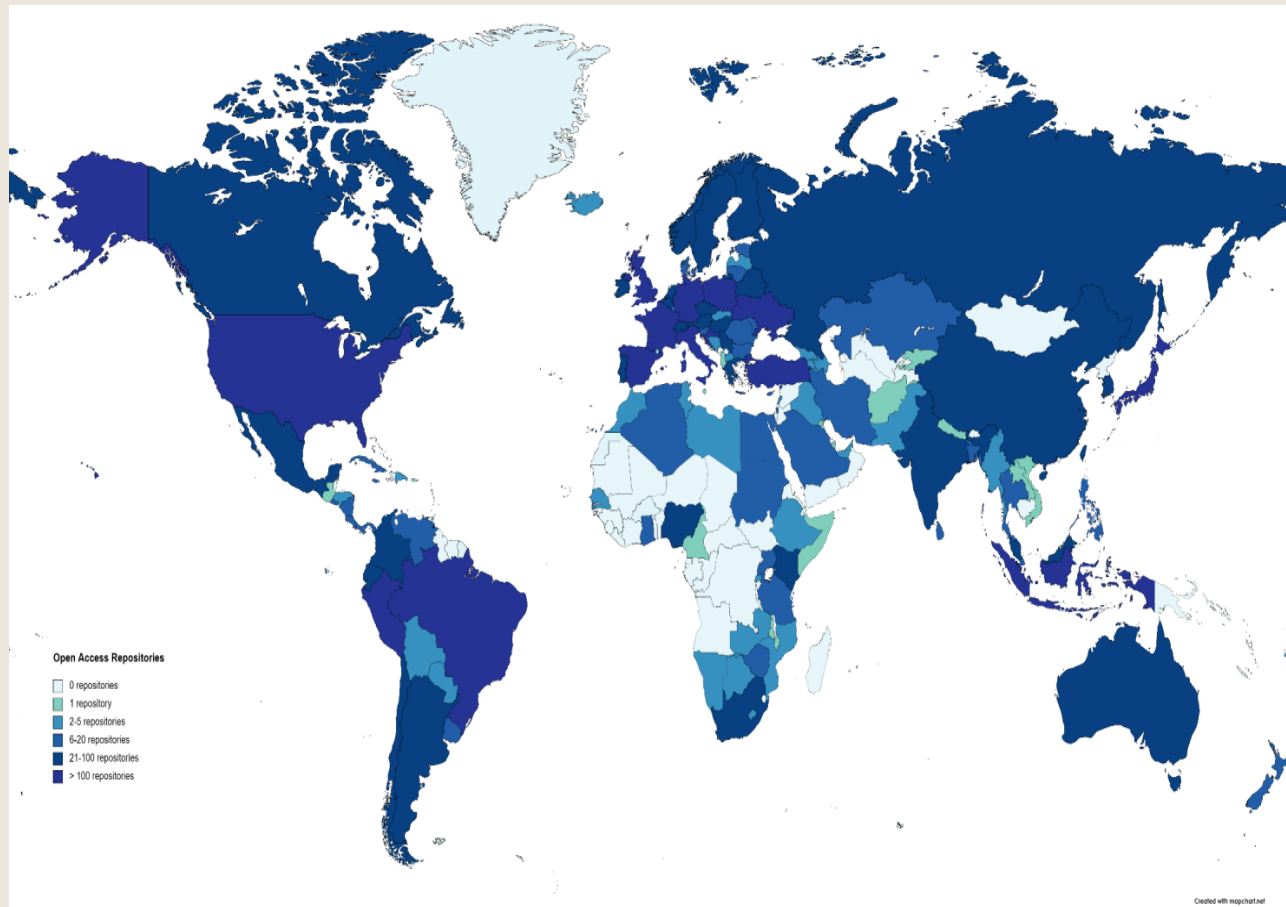


To assess socially relevant research new, integrated, information systems are required-CRIS

Evaluation systems should take into account the wide breadth of missions within the knowledge creation environment, not limited to publications



Global distribution of repositories



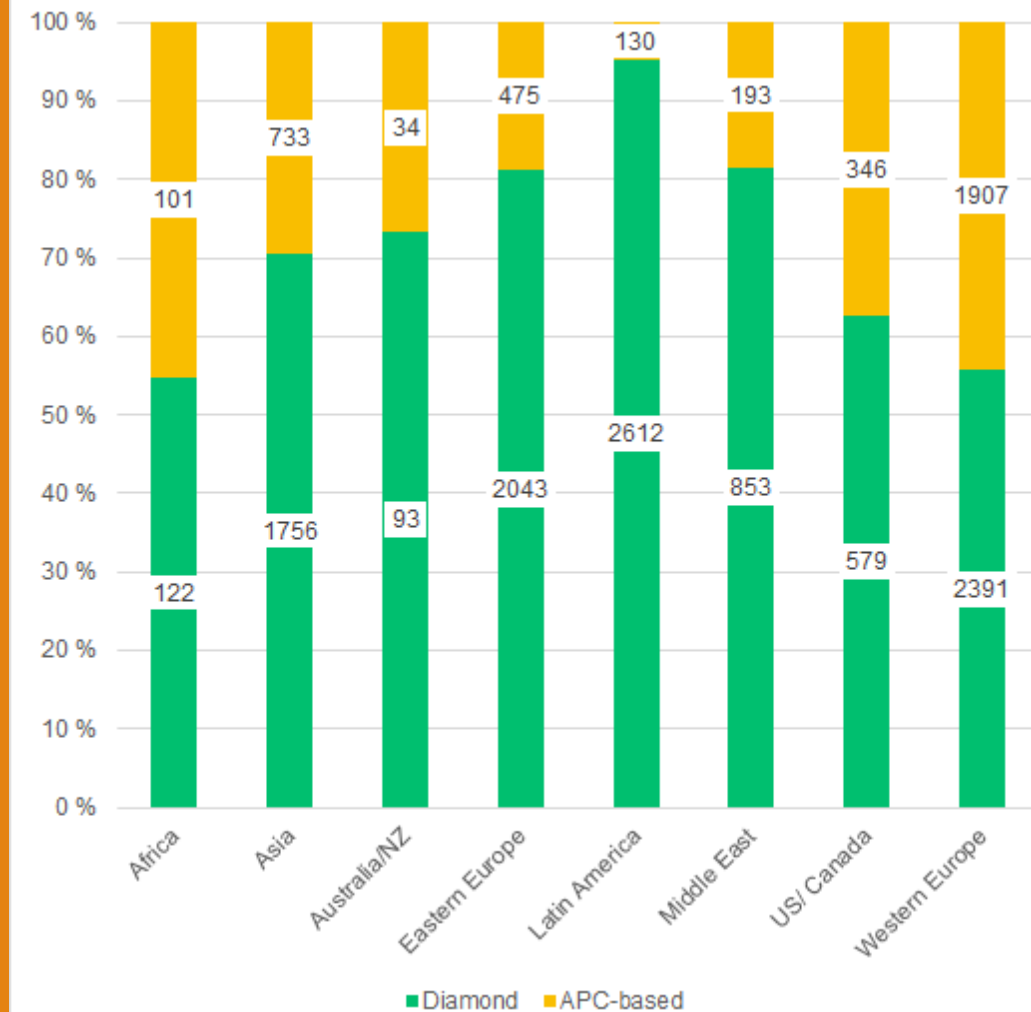
Open access production repositories

Open data repositories

Global distribution of CRIS. Source: DRIS-EuroCRIS



Global distribution of open access journals (Diamond and APC based). Operas Report 2021-Source: DOAJ





Several milestones stimulated the global debate on the cultural loss resulting from the growth of the hyper-centrality of English in scientific publishing and the risks of diminishing linguistic diversity



TOWARDS A TRANSFORMATION OF SCIENTIFIC RESEARCH ASSESSMENT IN LATIN AMERICA AND THE CARIBBEAN

Evaluating Scientific Research Assessment¹

This document is part of the PARA UNA TRANSFORMACIÓN DE LA EVALUACIÓN DE LA CIENCIA EN AMÉRICA LATINA Y EL CARIBE (FOLEC, CLACSO) (TOWARDS A TRANSFORMATION OF THE SCIENTIFIC RESEARCH ASSESSMENT IN LATIN AMERICA AND THE CARIBBEAN), which is made up of three documents: *Evaluando la evaluación de la producción científica* (Evaluating Scientific Research Assessment), led to gathering the main elements pertaining to the in-depth debates which affect academic assessment in Latin America and the rest of the world; *Diagnóstico y propuestas para una iniciativa regional* (Diagnosis and proposals towards a regional initiative), a prepositional document which is offered as a foundation for the regional debate towards the creation of recommendations agreed upon by all CLACSO member centers and a *Declaración de Principios* (Declaration of Principles) which is offered for discussion towards the construction of a common horizon to underpin the regional initiatives and its interaction with the global debates.

The Series "TOWARDS A TRANSFORMATION OF SCIENTIFIC RESEARCH ASSESSMENT IN LATIN AMERICA AND THE CARIBBEAN", produced in the context of the Latin American Forum for Research Assessment – Latin American Council of Social Sciences (FOLEC-CLACSO), is promoted by the Executive Secretary at CLACSO, Karina Batthyány and coordinated by the Research Area, led by Pablo Vommaro.

The three documents which make up the Series (Evaluating Scientific Research Assessment; Diagnosis and Proposals for a Regional Initiative and Proposal for a Declaration of Principles), have been prepared by Fernando Beigel, a specialist in the Advisory Committee at UNESCO for the review of recommendations on Open Science.

Members of the team: Dominique Babin, Open Access Coordinator and Laura Rovelli, FOLEC Coordinator, with the contribution of Paola Oliveira in technical assistance and the Design team at CLACSO, Gustavo Lima, Director of Communications and Information, Marcelo Giardina, Art Coordinator and Jimena Zayas, Design Center and Web Production.

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United Nations
Educational, Scientific and
Cultural Organization

THE LATIN AMERICAN ROAD TO OPEN SCIENCE



NATIONAL INFORMATION SYSTEMS

DEVELOPED SINCE
1950s

National scientific
agencies;
Documentation
Centers,
professionalized
librarians and indexing
systems
CLASE (1975)
PERIODICA (1978)

Regional indexing systems and diamond journals

BIREME (1967)
CLACSO (1967)



LATINDEX 1995
SCIELO 1998
REDALYC 2003
BIBLAT

25% of the total
diamond journals

Dynamical book publishing industry

FCE 1934
Siglo XXI 1966

Open access
publishers



CLACSO
UNAM, SciELO books

143 University
publishers

Open Access national laws and regional network of repositories

Legislation



Perú (2013)
Argentina (2013)
México (2014)
Uruguay (2013)

LA Referencia



Federation of 10
countries, harvesting 790
institutions
3.115.141 documents

Citizen and Participatory science

Regional tradition of
University Extension with
long-existing social
interactions and co-
production of knowledge

Third Mission



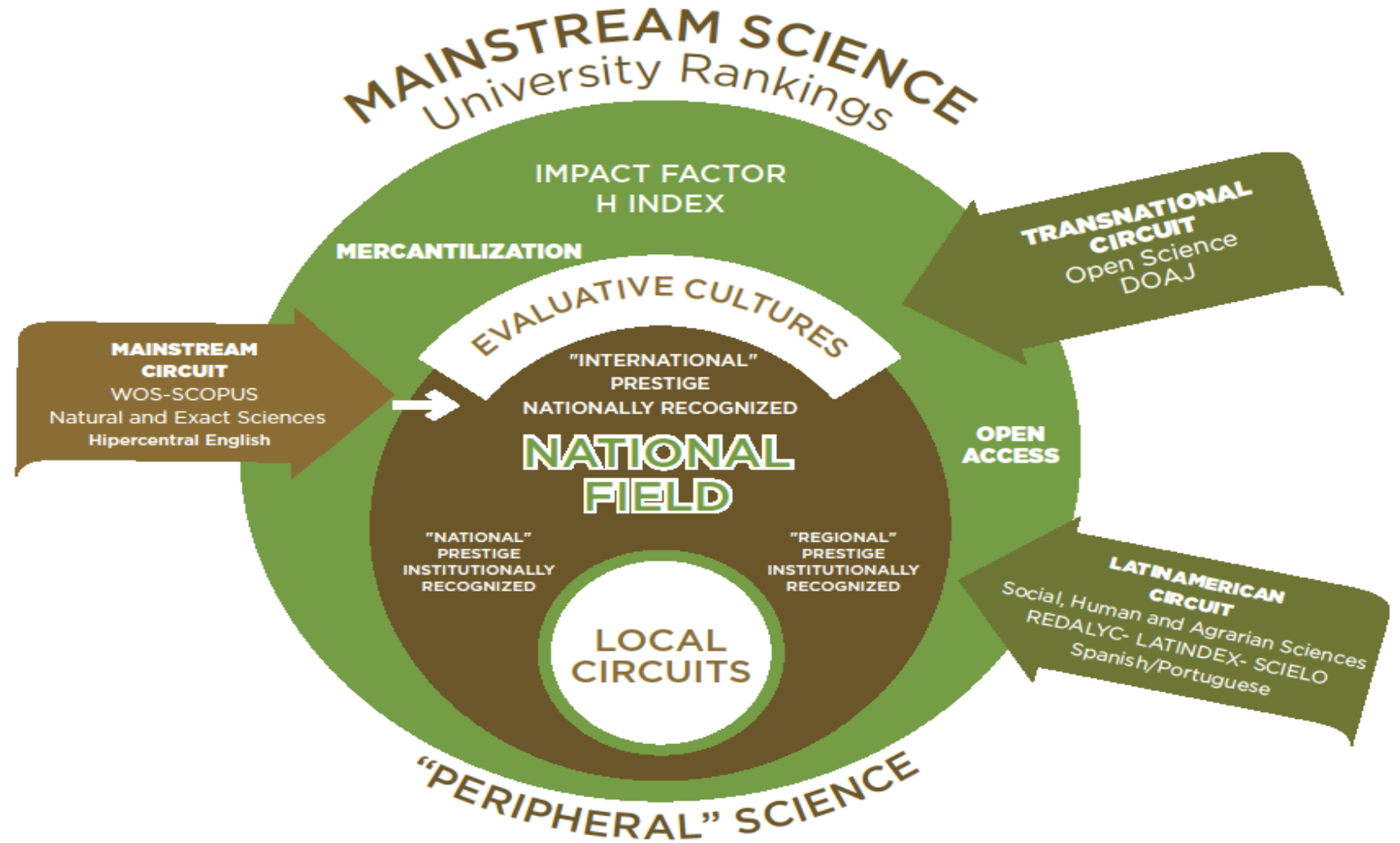
Major public universities
since 1900

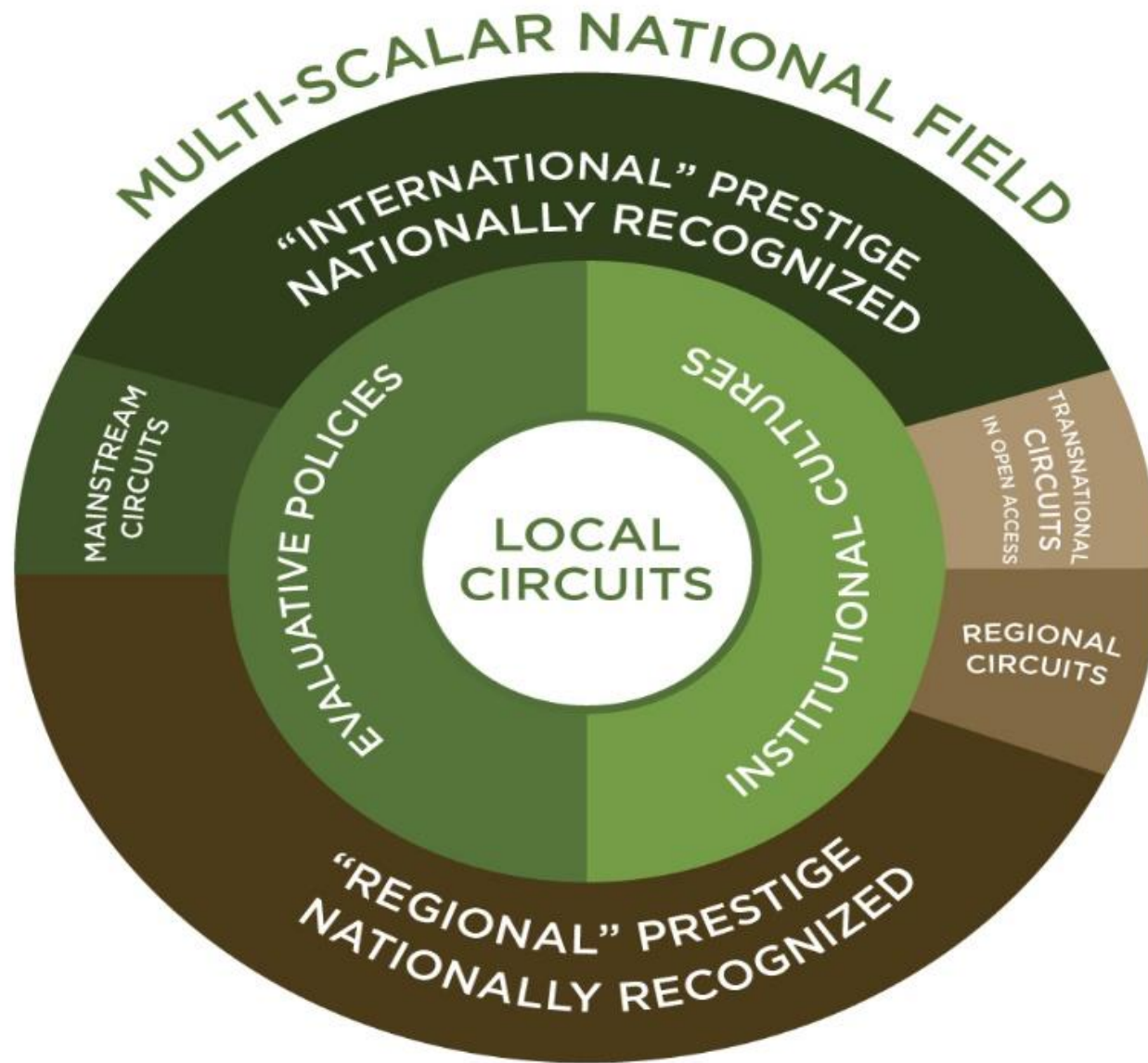
Total number of articles in indexing services, by language and database

Language	Scopus	%	WoS	%	OLIVA (SciELO and Redalyc)	%	BIBLAT	%	LA Referencia	%
Spanish	373,419	1.53%	270,632	0.92%	345,391	43.70%	344,666	58%	367,517	29%
Portuguese	120,613	0.49%	131,204	0.5%	253,648	32.09%	136,533	23%	531,981	42%
English	20,600,733	84.35%	28,142,849	95.86%	188,979	23.91%	88,157	14%	353,318	28%
Other languages	3,328,831	13.63%	812,134	2.77%	2,286	0.30%	No info	5%	2,652	1%
Total	24,423,596	100%	29,356,819	100%	790,304	100%	593,738	100%	1,255,468	100%

DIVERSE CIRCUITS AND RESEARCH AGENDAS IN THE PRODUCTION OF KNOWLEDGE

RESEARCH QUALITY-SOCIAL
RELEVANCE





"Decision-makers may be influenced by the research that is illuminated by existing indicators and forget about the science that is not visible."

- Ismael Ràfols and Jordi Molas-Gallart

Changes in research assessment needed to advance towards open science

Scientific research is an international and local endeavour and, as such, must be multilingual because this gives life to socially relevant science.

It is critical to solve the current breakdown between scientific policies oriented to open science and research assessment systems that are reluctant to change.

Open access is developed in Latin America through collaborative infrastructures supported by public agencies and governments, but Cris SYSTEMS are needed to integrate scientific information and advance towards open science.

Open Science includes diverse notions of quality, that must be defined endogenously, in each country or institution, according with a specific equilibrium between global and local standards

Thank you
Merci
Gracias

