



# Open access and open science- lessons learned in Latin America

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**2nd Open Science Conference**  
From tackling the pandemic to addressing climate change

**VIRTUAL CONFERENCE:**  
21-23 July 2021, 8.00 am–12.00 pm

**United Nations** | Dag Hammarskjöld Library

The banner features a central graphic of a circle with a multi-colored border (red, orange, yellow, green, blue) and the words "OPEN SCIENCE" in white capital letters on a dark background. To the right, the text "2nd Open Science Conference" is in bold, followed by the subtitle "From tackling the pandemic to addressing climate change". Below this, the event details "VIRTUAL CONFERENCE: 21-23 July 2021, 8.00 am–12.00 pm" are listed. At the bottom, the logos for the United Nations and DESA (Department of Economic and Social Affairs) are displayed, along with the text "Dag Hammarskjöld Library". A colorful, abstract globe graphic is visible on the right side of the banner.

# Latin America: scholar-led, publicly funded, non-profit, open access infrastructures



## LATIN AMERICA

- community owned and governed open access: bibliodiversity + multilingualism
- region with highest % of open access adoption in scholarly journals published in the region, with no APCs and no outsourcing to commercial publishers
- university leadership of open access
  - \* open access journal platforms (university and national -OJS + regional Latindex, Redalyc-AmeliCA, SciELO)
  - \* institutional repositories (La Referencia-COAR)
- national and institutional open access policies prioritize open access repositories for publications and data
- more recently, open science is promoted in the region
  - \* research data platforms (institutional, national)
  - \* co-production of knowledge with other societal actors



## KNOWLEDGE FOR THE PUBLIC GOOD

Who is using those articles published in peer-reviewed open access journals from regional indexing services?

Contribution to education, research, professional practice and citizens needs

Type of Reach	Approximate Proportion	
	SciELO	RedALyC
Students	50%	55%
University Staff	25%	22%
Professional Practice	20%	17%
Personal Use	9%	6%

} academic

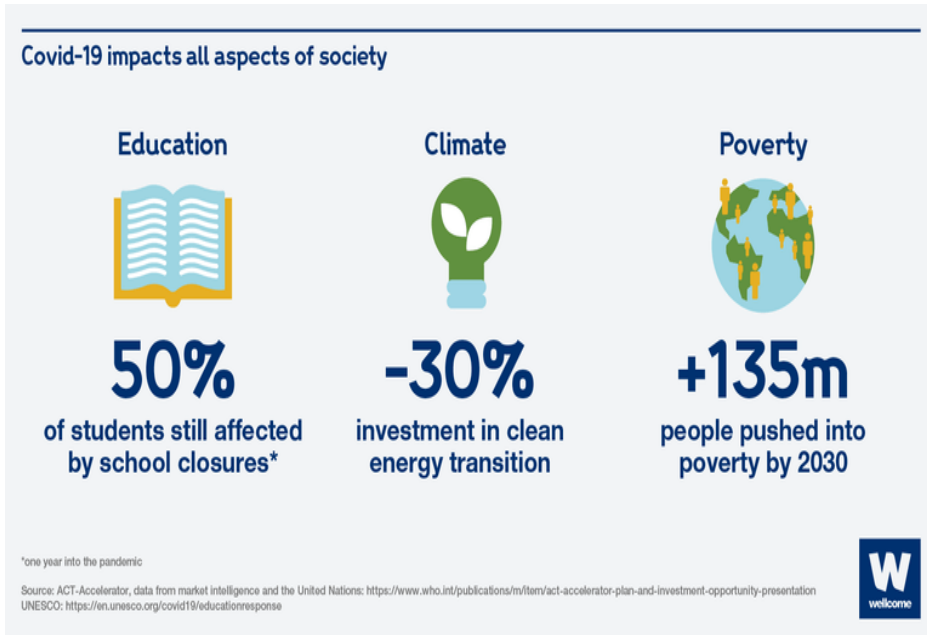
} public

\* This table represents a composite of the results derived from my interpretations of all the responses and data collected in my dissertation study. As such, the numbers should be treated only as approximations, and the percentages should not be expected to add to 100%.

[https://figshare.com/articles/presentation/Research\\_is\\_also\\_for\\_non\\_scholars\\_Lessons\\_from\\_Latin\\_America/3187551](https://figshare.com/articles/presentation/Research_is_also_for_non_scholars_Lessons_from_Latin_America/3187551)

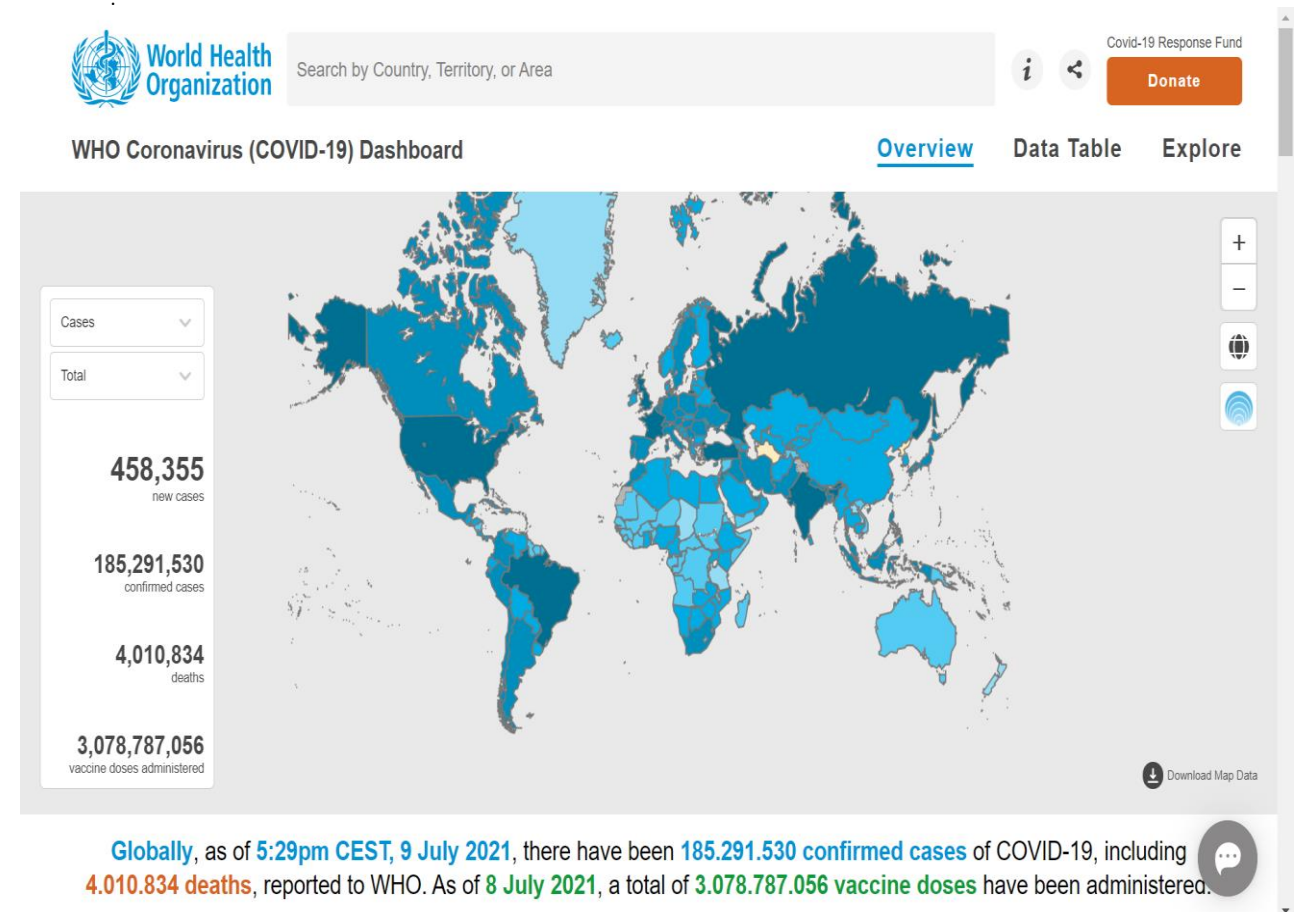
@juancommander

# global open data from diverse societal actors



- 2020:
- extreme poverty went up for the first time in 20 years
- 255 million full-time jobs lost
- women have been harder hit economically
- lower- and middle-income countries are worst affected

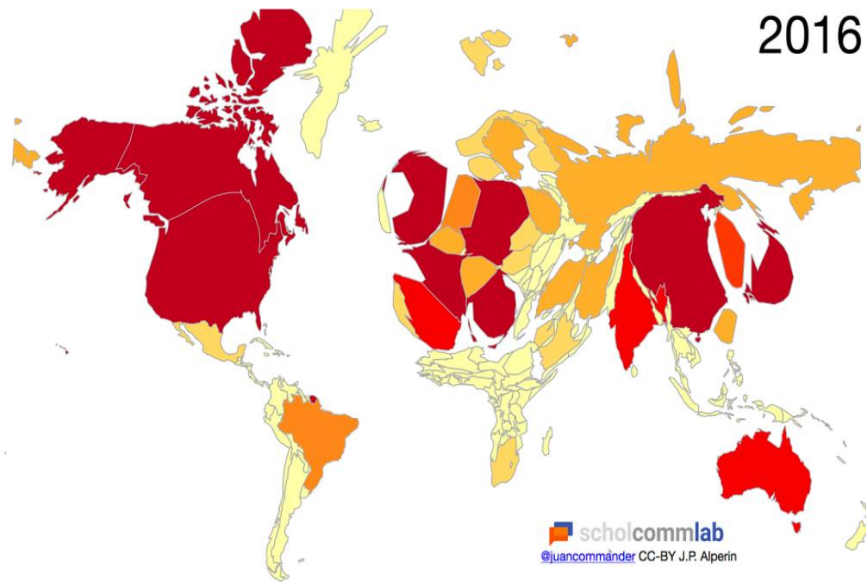
<https://wellcome.org/news/equality-global-poverty-how-covid-19-affecting-societies-and-economies>  
<https://www.clacso.org/pensar-la-pandemia-observatorio-social-del-coronavirus/>



<https://covid19.who.int/>

# research outputs, not limited to so-called “mainstream”

World scaled by number of documents with authors from each country in Web of Science



2016

 [@Juancommander](#) CC-BY J.P. Alperin

MD5: 264254b84eac73fedfc1

**Reinforce funding, international cooperation and interoperability for community-based infrastructures and initiatives in open access publishing (texts and data).**



Among others...

1g (407.88 kB)  

**World scaled by number of documents with authors from each country in Web of Science: 2016**

[https://figshare.com/authors/Juan\\_Pablo\\_Alperin/433500](https://figshare.com/authors/Juan_Pablo_Alperin/433500)

<https://zenodo.org/record/4120844#.Y0tsuuhKgw>

Lessons learned



**Open Science needs to be  
community-led in non-profit public  
open infrastructures**

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Lessons learned



**Open Science needs to be the default, with no paywalls for participants and no paywalls for beneficiaries**

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# Call for actions



Underfunding of community-owned infrastructures because scarce funds directed to APCs

- Prioritize funding and resources dedicated to non-APC/BPC community-based infrastructures/initiatives and quality certification of its contents
- Call for more international collective action, have a stronger and collective international voice

Researchers rewarded only when publishing in “mainstream” journals with “prestige industry” indicators, making invisible other contributions

- Reward quality and relevance independent of publication venue
- Reward doing peer-review of contents for community-based infrastructures
- Promote review of research assessment procedures  
(*Latin American Forum for Research Assessment FOLEC-CLACSO*)



The CLACSO FOLEC initiative in Latin America

“All voices, formats and perspectives of knowledge production and circulation



**FOLEC**  
Latin American Forum for  
Research Assessment

CLACSO 

**PROPOSAL FOR A DECLARATION  
OF PRINCIPLES<sup>1</sup>**

.....

A new type of research assessment  
towards a socially relevant science  
in Latin America and the Caribbean



**FOLEC**  
Latin American Forum for  
Research Assessment

CLACSO 

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

.....

Diagnosis and Proposals  
for a Regional Initiative<sup>1</sup>



**FOLEC** Latin American Forum for  
Research Assessment

 CLACSO

# Lessons learned



- Research Assessment of scholarly publishing based on traditional indicators (e.g. impact factor of journals) does not contribute to incentivize inclusive and participatory open science practices using bibliodiverse and multilingual local as well as international open access venues for publishing



**Academic journals**

# Goals of research assessment



- Promote high quality, diverse, equitable and relevant research
- Open sciences for social transformation, sustainable development and innovation
- Stimulate equitable collaboration and participation.
- Reshape and expand the notion of excellence
- Based on responsible and situated methodologies.



**Research**

# Future of research assessment



- Open Access & Open Science
- Interoperable regional and local databases
- Qualitative and quantitative evaluation
- Equity, diversity and inclusion (EDI)
- Social relevance / linkage / intervention
- Multilingualism and bibliodiversity. CSH impact
- Transparency, reproducibility and integrity.



**Inclusive science**

# Lessons learned



- Mission-oriented research assessment requires contextualizing frameworks and situated methodologies, particular or extended evaluation criteria, and reviewers with wider backgrounds and expertise and the participation of social movements and/or local communities.



**Social relevance**

# Lessons learned



- To exert its potential, open science needs review of research assessment procedures.



**Research assessment**

Join us: Latin American Forum for Research Assessment FOLEC-CLACSO  
7-10 June 2022, National Autonomous University of Mexico-UNAM  
<https://www.clacso.org/clacso2022/>



7 al 10 | Junio 2022  
**Ciudad de México**

**UNAM** Universidad Nacional  
Autónoma de México

## 9ª Conferencia Latinoamericana y Caribeña de Ciencias Sociales

**TRAMAS DE LAS DESIGUALDADES  
EN AMÉRICA LATINA Y EL CARIBE**

SABERES, LUCHAS Y TRANSFORMACIONES

**#CLACSO2022**

Thank you very much

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