

Why open scholarship *is* personal



<https://www.jisc.ac.uk/rd/projects/open-education>



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SUSTAINABLE DEVELOPMENT GOALS



<https://www.un.org/sustainabledevelopment/sustainable-development-goals/>

To meet this goal....

**4 QUALITY
EDUCATION**

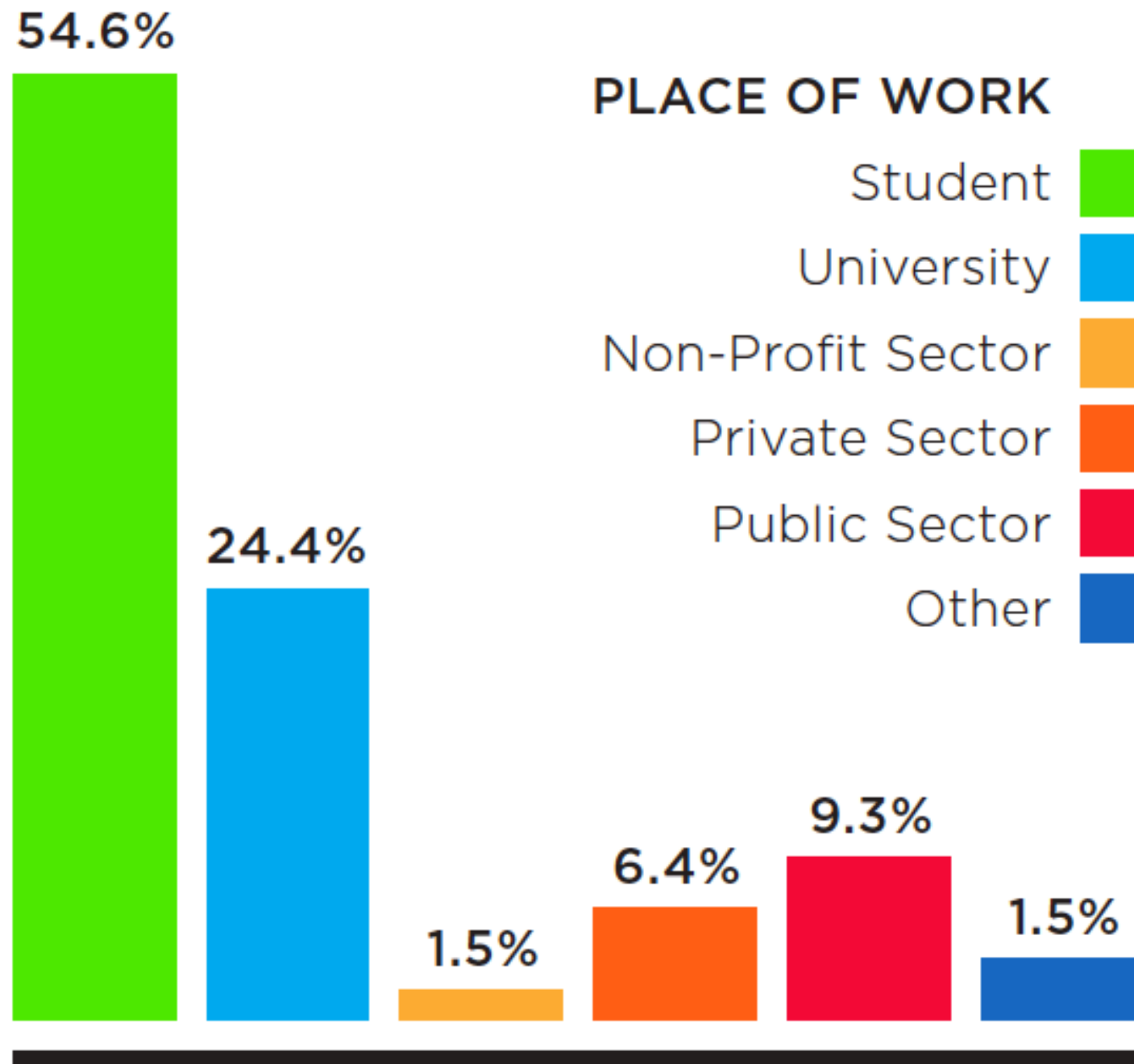


students and teachers need access.

Puerto Rican students have insufficient access



Students want access to scholarly literature



<https://doi.org/10.6084/m9.figshare.1391771.v1>

Real emails from my students in Puerto Rico

Hi Erin! I found this article and **I want to read it**, but **I have to pay for it**. Can you download it for me?

Hi Erin. I need help, can you download these two articles for me? Its for **my other research**.

Hi Erin. Another download please? **I feel ashamed asking you again**, but I can't download them. I tried going through UPR library but it didn't worked.

To meet this goal....

**3 GOOD HEALTH
AND WELL-BEING**



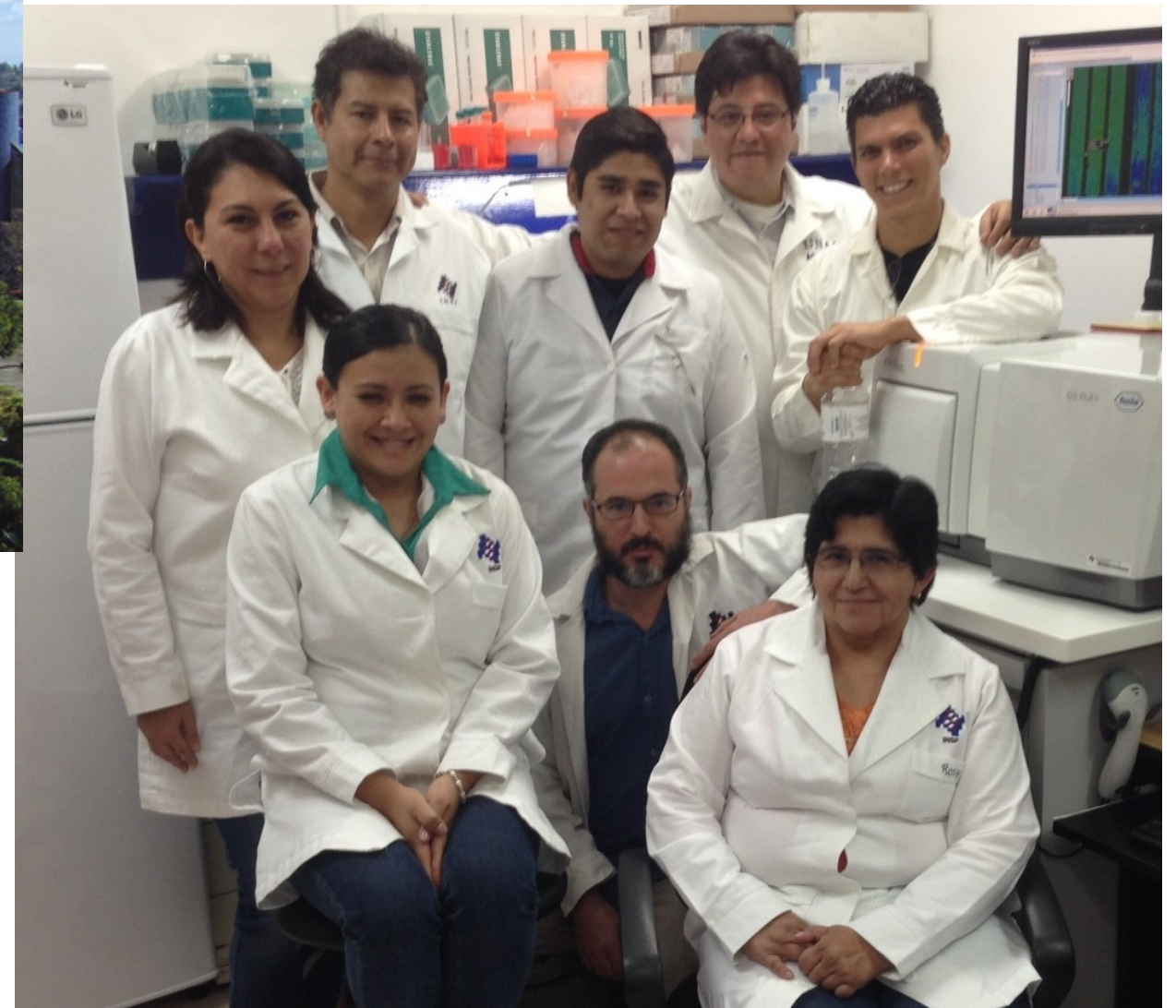
doctors, researchers, and patients need access.

Medical researchers in Mexico have insufficient access



Photo: Delmoral815, via Wikimedia

The National Institute of Public Health (INSP) is a federal research institute



~200 researchers, ~700 students

Photo: Tina Godoy

High cost of subscription journals is prohibitive

Researchers at INSP study
Chagas disease, cholera,
dengue, influenza, malaria, HIV,
tuberculosis, etc.

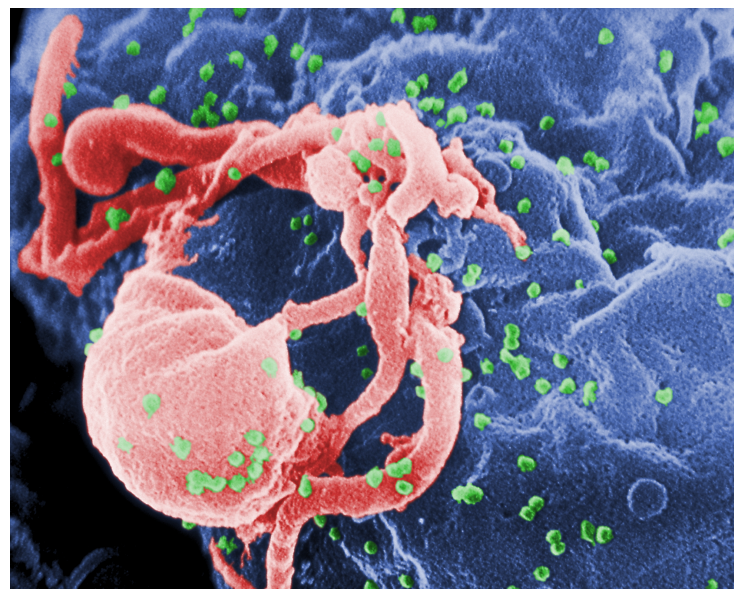


INSP does **NOT** have access to:

- Annual Reviews of Medicine
- Nature Medicine
- Nature Immunology
- PNAS

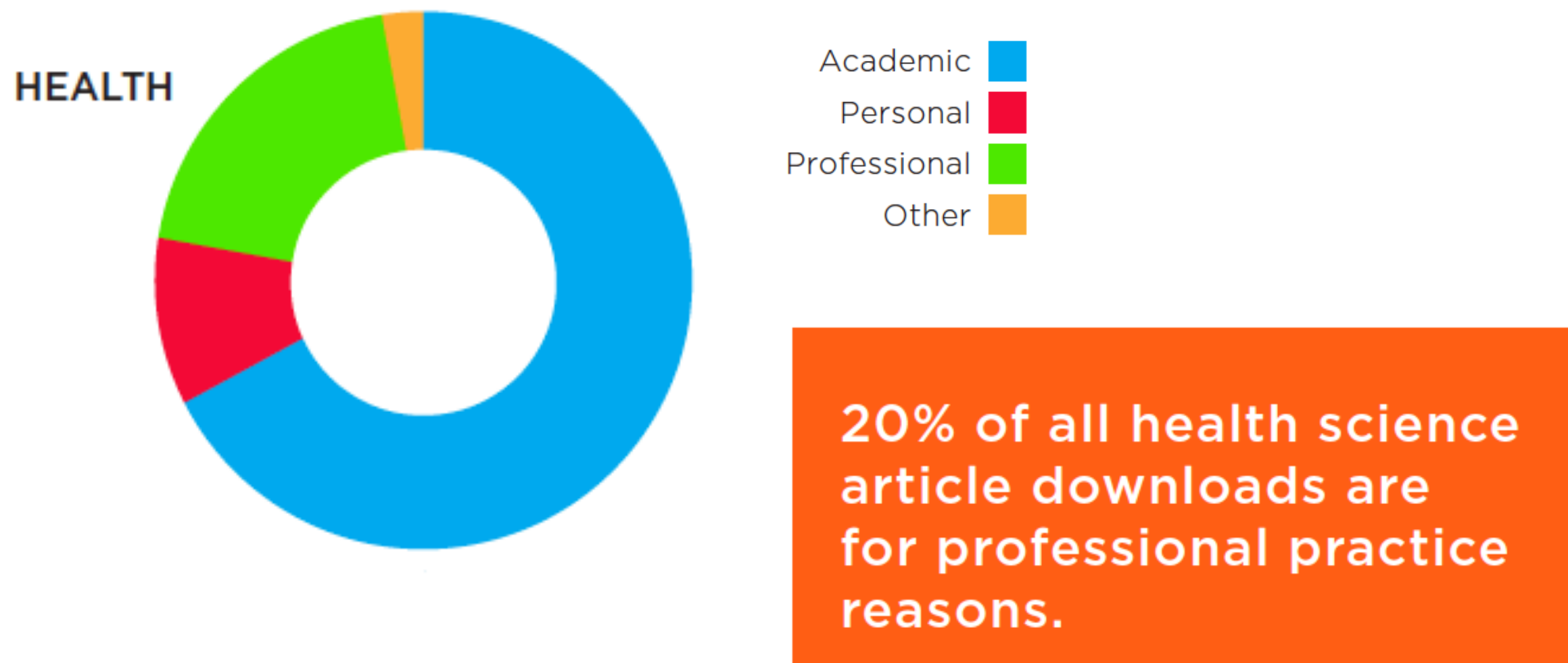
...and MANY more.

Limiting factor is **COST**.



Photos: Erwin Huebner (top);
James Gathany (middle);
C. Goldsmith (bottom)
via Wikimedia Commons

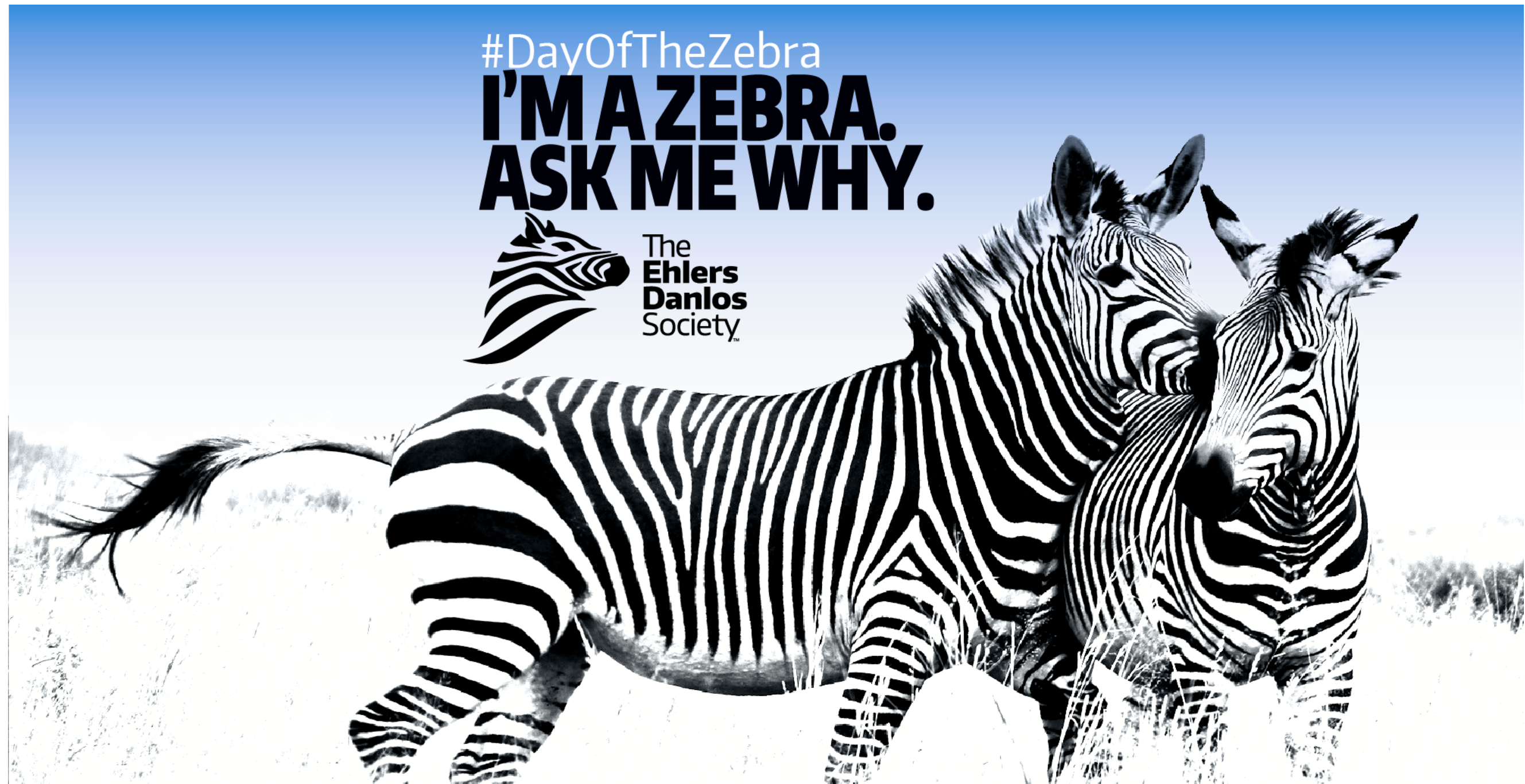
How might a lack of access for medical researchers and doctors be affecting the health of the country?



<https://doi.org/10.6084/m9.figshare.1391771.v1>

I'm a patient with rare disease who needs access

"When you hear hoofbeats, think horses not zebras"



<https://www.ehlers-danlos.com/>

**How can I make informed medical decisions
without access to information?**



To meet this goal....



“...we need to ensure that developing countries are better represented in decision-making on global issues so that solutions can be more effective, credible and accountable”

<https://www.un.org/sustainabledevelopment/wp-content/uploads/2018/01/10.pdf>

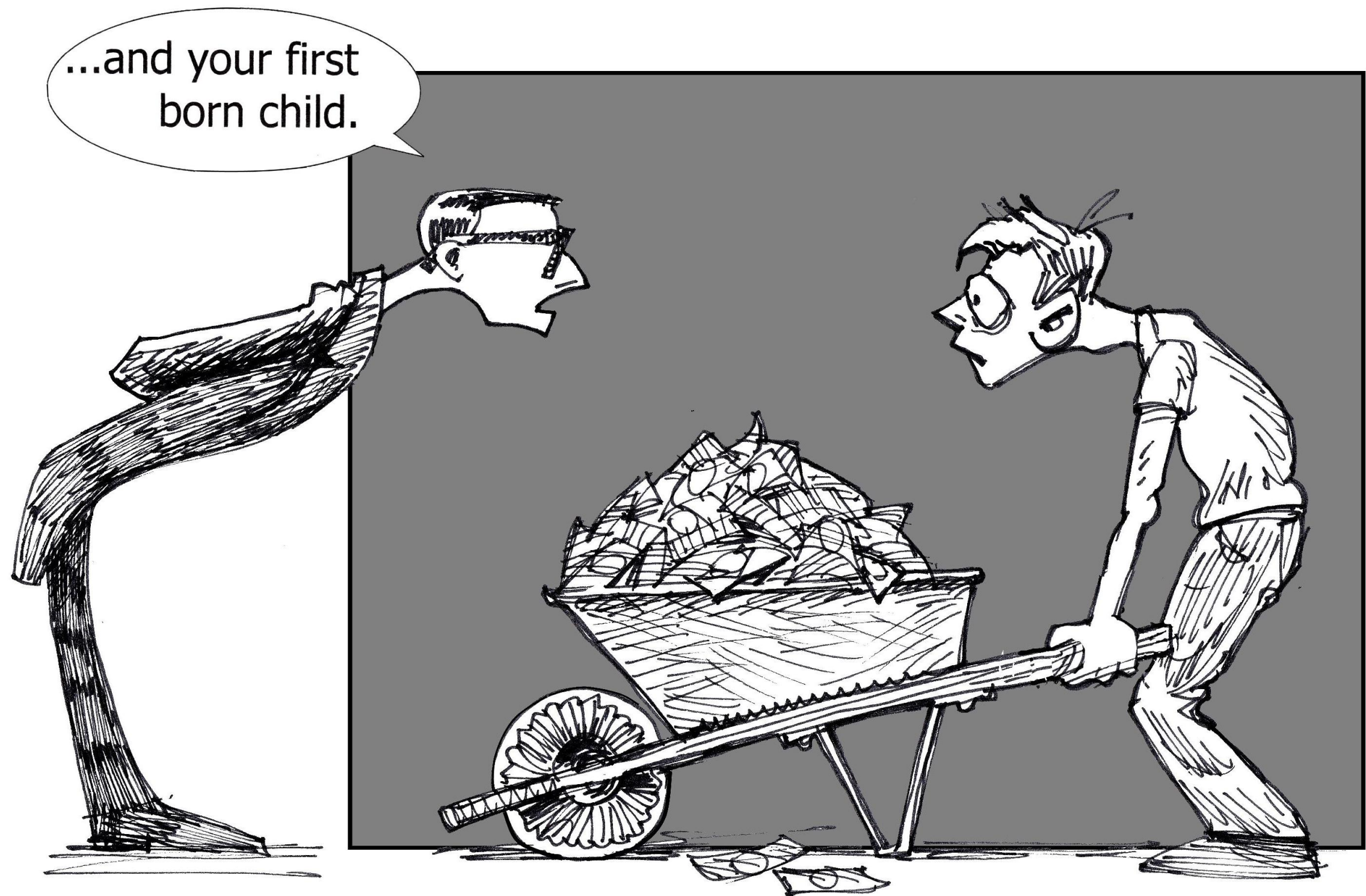
Equality, or rather **equity**, in research
is not just about who can read...

but also about who can **contribute**,
who can **publish**,
who can have their **voices heard**.

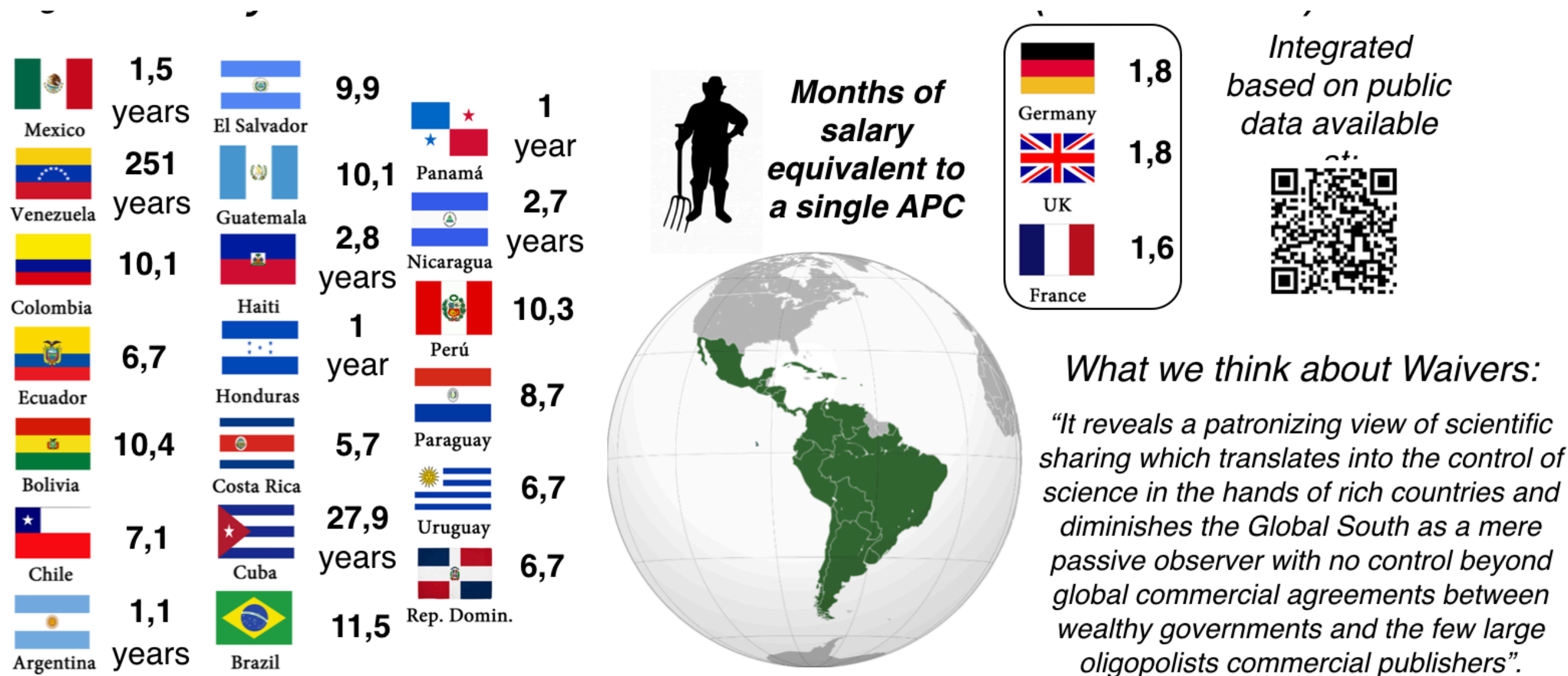
Are we designing models of scholarly communication that allow for **global representation** in research?

Are these models unintentionally promoting **inequality**?

We are paying too much to publish



Author-pays model promotes inequality



Here we show the equivalent of a standard APC in Euros of a **single article** translated as months (years) a minimum wage worker of each country should work to earn that amount. We have deliberately used as standard a value of **€2750 for APC**, which is in line with the per-article PAR fee of the recent TA signed by Projekt DEAL with both Wiley and Springer Nature.

Debat H., Babini, D. Poster presented at FORCE 2019. Zenodo.

<https://doi.org/10.5281/zenodo.3482933>

But what about waivers?

“It reveals a **patronizing view of scientific sharing** which translates into the **control of science in the hands of rich countries** and **diminishes the Global South as a mere passive observer** with no control beyond global commercial agreements between wealthy governments and the few large oligopolist commercial publishers.”

Debat H., Babini, D. Poster presented at FORCE 2019. Zenodo.
<https://doi.org/10.5281/zenodo.3482933>

Are we designing evaluation systems that **reward community engagement, societal impact?**

Are current incentives unintentionally promoting research behaviors that might work against SDGs?

Research evaluation in Mexico

Criterios Específicos de Evaluación

ÁREA II: BIOLOGÍA Y QUÍMICA

1.5 productos válidos promedio por año y al menos dos de ellos como autor para la correspondencia y de estos, uno en revista del cuartil 1 de la Web of Science.

Impacto evidenciado por mínimo de 200 citas de Scopus, excluyendo autocitas de todos los coautores.

Owners of databases are Clarivate and Elsevier, reinforcing role of commercial entities.

Databases have various biases, leaving out much of science carried out in Latin America.


Databases favor certain disciplines and English-language journals, leaving out many published in Spanish.

Research evaluation in Mexico

Scientometrics

<https://doi.org/10.1007/s11192-019-03285-8>

The national system of researchers in Mexico: implications of publication incentives for researchers in social sciences

Vanessa Sandoval-Romero^{1,2,3}  · Vincent Larivière^{1,2}

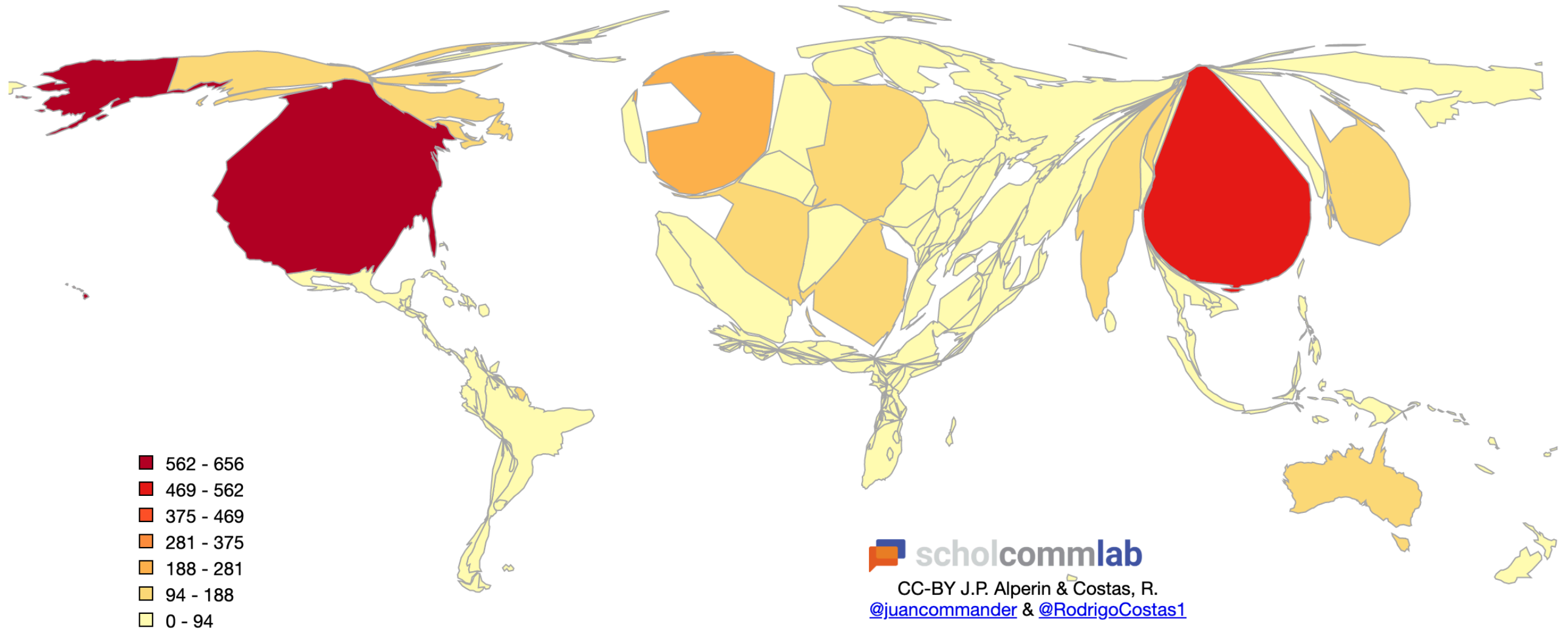
“only 1/5 of active national researchers
have published in international journals
indexed in WoS”

Large part of local scientific productivity is not being considered.

Puts at disadvantage researchers who publish in their **first language**, in local **community-led** journals, and those focused on **social impact**.

Who has a voice?

World scaled by number of documents published in 2017 
with authors from each country (publications counted once per country) 



<https://www.scholcommlab.ca/cartogram/>

Who decides what type of research systems we create?