



Why should we reform scientific publishing?

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Fundación
Karisma



COLOMBIA
LATIN AMERICA

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**How is science
constructed?**

**How is Colombia's
diversity reflected in
our scientific
production?**

**For what and for
whom is research
done in Colombia?**

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A/ My main take away from an Open Science perspective is that the creation, evaluation and communication of scientific knowledge should be open to all of society and not only to the traditional scientific community.

Is OS addressing such purpose?



How is science constructed?

For decades Latin America, Asia and African scholars have developed interesting dialogues, connected with OS vision, defined as:

- Epistemologies of the South,
- Action-participation
- Epistemic justice

BUT...

NO IMPACT on science and innovation policies in the region. They continue to follow global circuits

Objectives

- Productivity,
- Innovation capacity
- Excellence,

Priorities

- internationalization
- scale in academic rankings.

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How is science disseminated?

Open Access policies have succeed in the region, so that science can be published openly within the reach of anyone.

BUT...

The production of knowledge for scientific journals continues to be central:

- Close publication,
- Impact assessment
- Scientific agenda that is closer to global rather than local agendas.
- Evaluation mechanisms remain unchanged.

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How is Colombia's diversity reflected in our scientific production?

There are visibility biases (invisibilization) of science published in scientific journals regarding people with profiles different from those of white men.

Other academic profiles are not visible, not only women, but also racialized populations, people of diverse ethnic origin, minorities, etc.

It happens in Colombia just as mostly anywhere else (as described in the Unesco OS Recommendations)

For what and for whom is research done in Colombia?

Science landscape in developing countries, especially the precariousness of public investment in research, pushes institutions towards "academic capitalism" (focused on values, metrics and professionals to the business world),

- Weakens the role of academic institutions as "agents of social change" and
- Displace their fundamental values of academic activity -such as autonomy and freedom-, and their potential contributions to the guarantee of rights, cognitive justice and social justice.

For what and for whom is research done in Colombia?

A main concern is that many do not see science as the engine of answers from community logics and close to other epistemologies different from the Western one.

Big OS challenge is to face the prevalent idea that there is a single science that should be the engine of efficient and productive solutions. Scientific publications need to bet for **diversity**.



Unusual actors too...

One idea from my personal experience: activists, professionals and civil society organizations that provide answers and develop open practices (based on open software, open hardware, open seeds, citizen science, participatory science, political advocacy or open educational resources) have a rich understanding of what it means to work in frontier spaces where there are constant translations between lay knowledge, non-scientific expert knowledge and scientific knowledge that have been successful providing answers to social challenges, and are committed to answer local problems.

Scientific publications need to address diversity but also more openness towards unusual actors in science.



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How can we move forward?

Open science policies should not only drive to improve the efficiency and productivity of investment in science and technology, they should also serve to democratize knowledge and build citizenship to develop evidence-based public policy and strengthen democracy.

This is a major challenge for OS and it includes scientific publishing.



The screenshot shows a news article from the website 'El Espectador'. The navigation bar at the top includes links for Opinión, Últimas Noticias, Video, Política, Deportes, Mundo, Economía, and Judicial. The article is dated 23 Jul 2022 - 12:00 a. m. and is categorized under Opinión > Columnistas. The author's name, Carolina Botero Cabrera, is displayed next to her profile picture, with a 'Seguir' (Follow) button below it. The article title is 'Lo que pasa es que otra ciencia ya sucede'. Below the title are social media sharing icons for Facebook, Twitter, and a generic share icon, along with a comment count of 19 and a 'Guardar' (Save) icon. The article text begins with 'Se filtró un documento' in red, followed by a paragraph discussing the presidential campaign of the Pacto Histórico and the release of a document by Professor Wasserman.

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Carolina Botero Cabrera
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Lo que pasa es que otra ciencia ya sucede

    19  Guardar

Se filtró un documento realizado en el marco de la campaña presidencial del Pacto Histórico que propone algunas bases para la política de ciencia del nuevo gobierno. **La respuesta pública del profesor Wasserman**, que rechazó con vehemencia sus postulados, abrió una caja de pandora en lo que parecía un acuerdo tácito de la sociedad y se inició el debate. No hay una sola respuesta a preguntas como: ¿cómo se construye la ciencia?, ¿cómo se refleja la diversidad de Colombia en nuestra producción científica?, o ¿para qué y para quién se investiga en el país?

<https://www.elspectador.com/opinion/columnistas/carolina-botero-cabrera/lo-que-pasa-es-que-otra-ciencia-ya-sucede/>

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