

# Capacity building in Diamond Open Access

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Some considerations to address capacity building for Diamond OA

# There is a sustainability model on diamond OA



Academic / science model

Model as a global public good

## Our perspective in capacity building for Diamond OA

1. Preventing APC adoption

#### Impact in sustainability

Tools to lower editorial costs

Tools to trace the gain in visibility, impact and recognition

Tools to show the journal effect as a community building agent

Software for journals to take the scientific output back to institutions



## Assess quality and provide feedback until the quality level is reached

Peer review

Editorial criteria

Openness

Technological capabilities

Interoperability

# 4. Equipping it to regain its place in research assessment

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#### Show the contribution of Diamond OA

Data normalization

Available data sources for comprehensive research assessment

Quantitave indicators

Qualitative views of its contribution to the communication of science

### 3. Strengthening capabilities

#### Outreach, visibility and preservation

Interoperability standards
Integration with Green OA

Digital preservation

Multilingualism

XML-JATS

Discoverability



1. Prevention of APC adoption in Diamond Open Access

Capacity building

#### It should impact sustainability

- Tools to lower costs in production
- Tools to trace the gain in visibility, impact and recognition
- Tools to show the journal effect as a community building agent

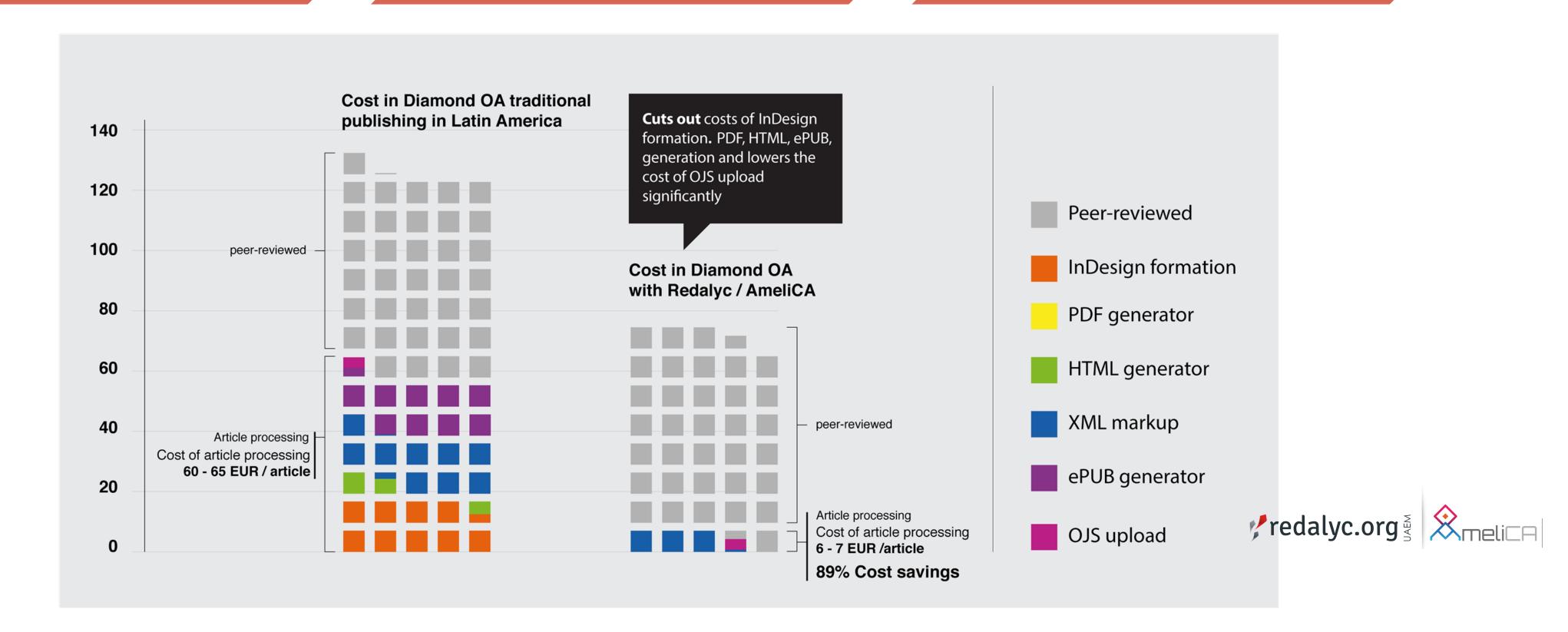


## Quantifying the contribution of collaborative work:

The joint work between journal editors and the software provided by Redalyc for journal production and XML JATS

12,280 journal issues (about 200K articles) have been processed by Marcalyc and XML importer

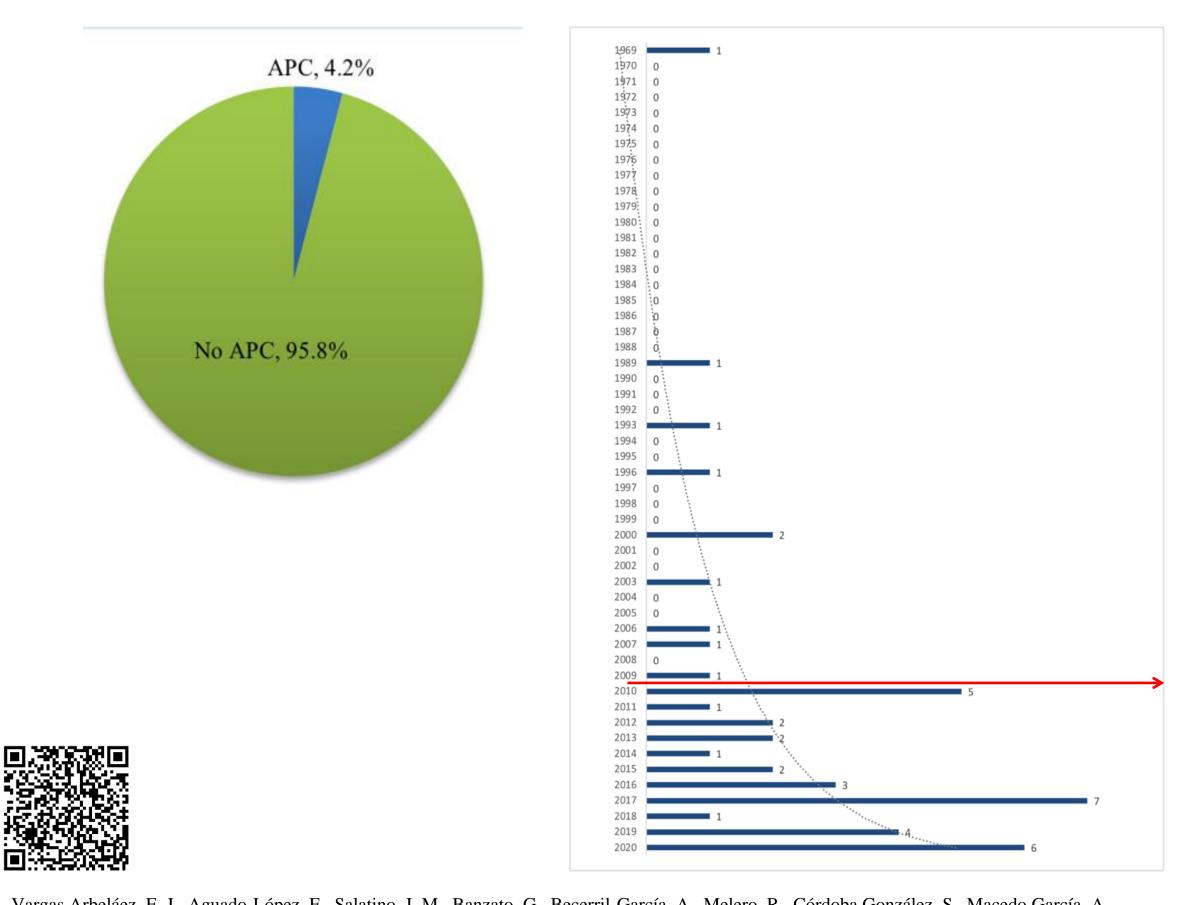
It would cost in the market 4 Million USD only for XML JATS but for the entire production around 19 Million USD



# 1. Prevention of APC adoption in Diamond Open Access Capacity building

#### Some key facts

- Less than 5% of journals published in Latin America, Spain and Portugal charge APC.\*
- The adoption of APC model started a decade ago.\*
- Evidence shows that it is now accelerating.
- However, successful cases of APC to non APC flip have happened as a result of these strategies.



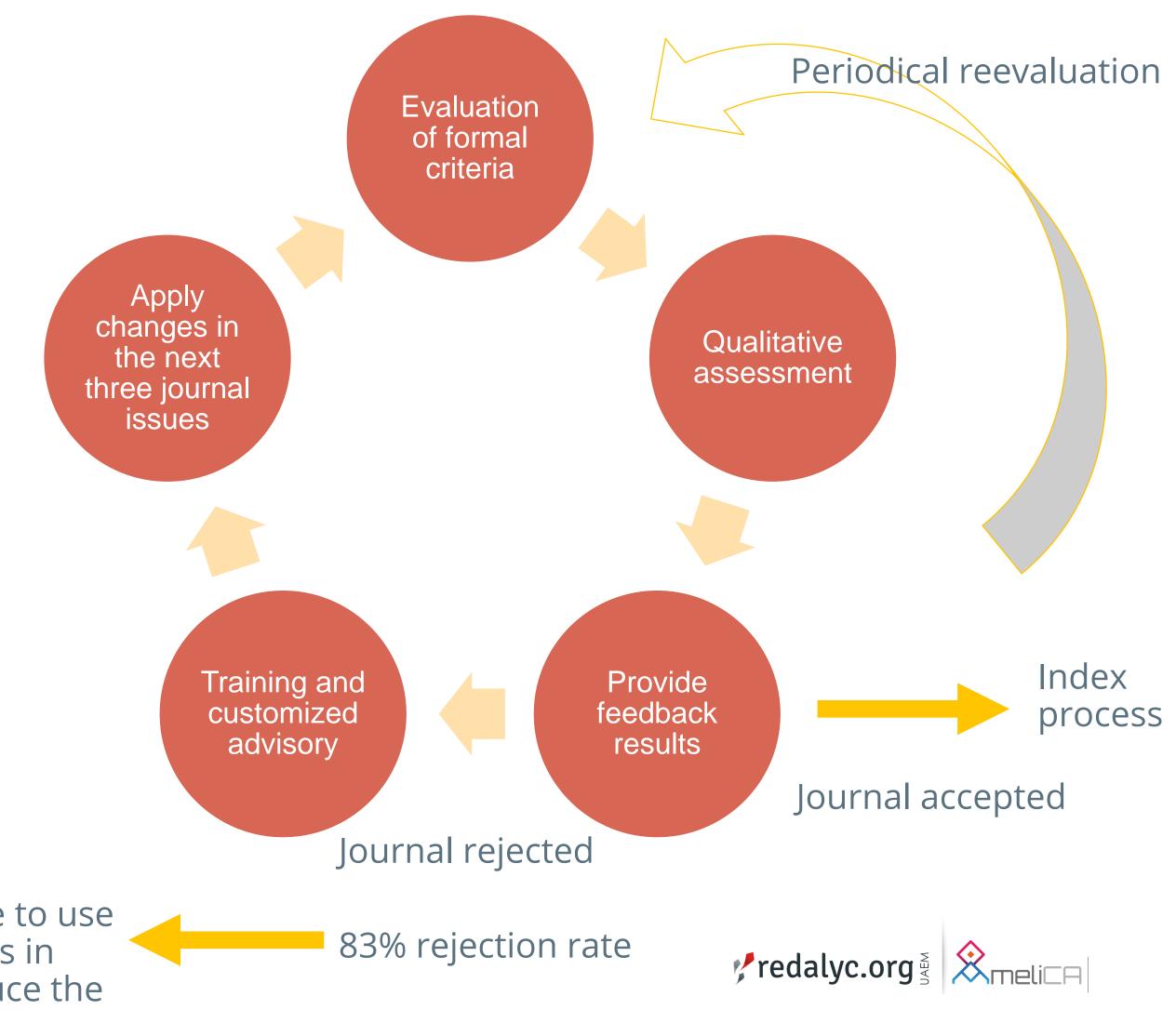
Vargas Arbeláez, E. J., Aguado-López, E., Salatino, J. M., Banzato, G., Becerril-García, A., Melero, R., Córdoba González, S., Macedo García, A., Beigel, F., & Mayorga Gallardo, O. E. (2021). *Conocimiento abierto en América Latina: Trayectoria y desafíos* (A. Becerril-García & S. Córdoba Gónzalez, Eds.; 1a ed.). Universidad Autónoma del Estado de México; CLACSO. <a href="https://biblioteca-repositorio.clacso.edu.ar/bitstream/CLACSO/15177/1/Conocimiento-abierto.pdf">https://biblioteca-repositorio.clacso.edu.ar/bitstream/CLACSO/15177/1/Conocimiento-abierto.pdf</a>

2. Quality in Diamond Open Access

Capacity building

Iterative process of feedback and editorial professionalization

- Peer review
- Editorial criteria
- Openness
- Technological capabilities
- Interoperability
- Transparency

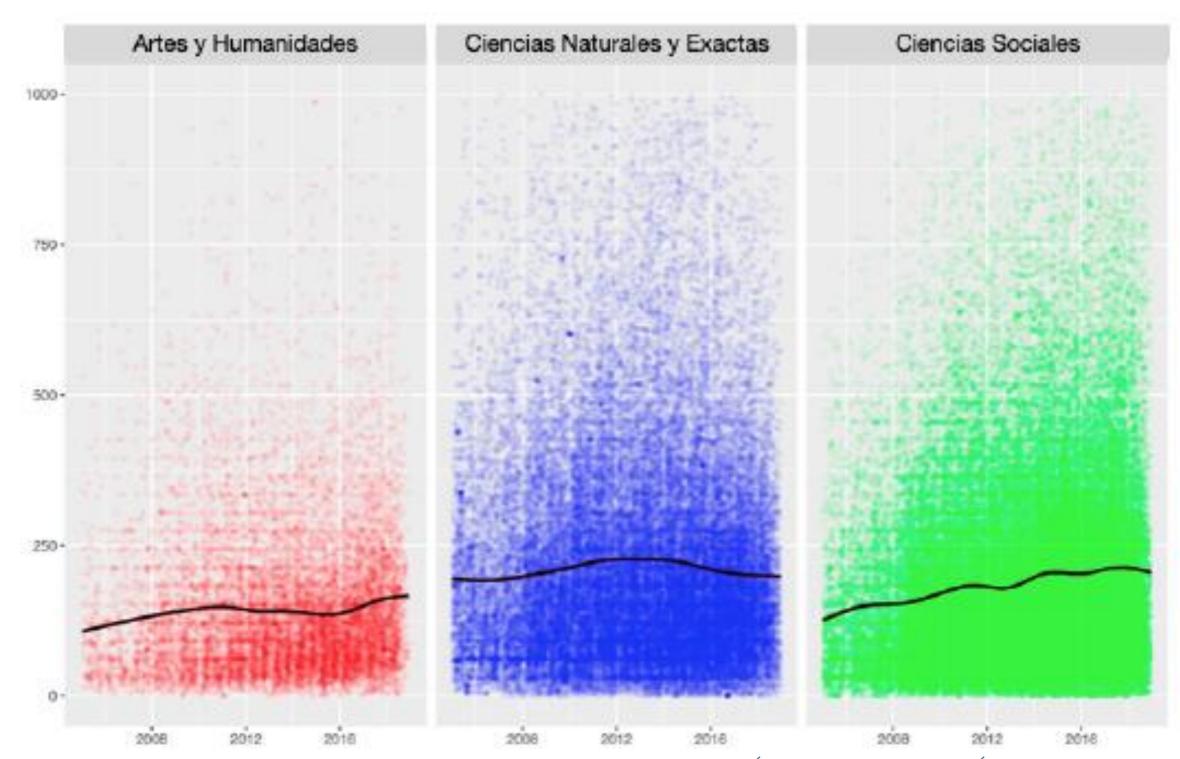


They are able to use some services in order to reduce the gap

# 2. Quality in Diamond Open Access Capacity building

#### Facts and results

- Strong peer-review processes in Latin America quality journals
- In all areas the duration of peer review has increased
- Social Sciences shows the greatest increase with 66.5%, compared to 62.5% for Humanities and 5.2% for Sciences



Aguado-López, E., & Becerril-García, A. (2021). EL TIEMPO DE LA REVISIÓN POR PARES: ¿OBSTÁCULO A LA COMUNICACIÓN CIENTÍFICA? *Interciencia*, 46(2), 56–64, https://www.redalvc.org/journal/339/33966129002/





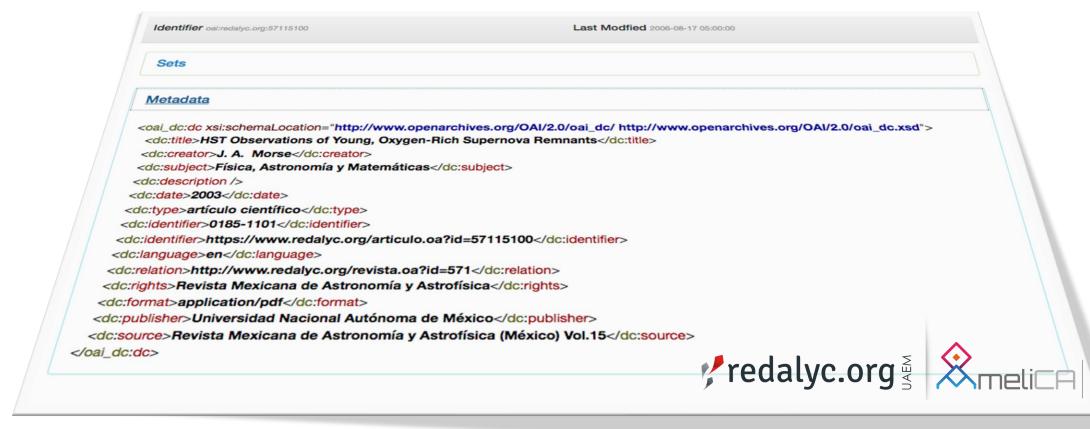
# 3. Developing and strengthening journals' capabilities Capacity building

#### Outreach, visibility and preservation

- Interoperability standards
- Integration with Green OA
- Digital preservation
- Multilingualism
- XML-JATS
- Discoverability

#### Facts and results

- About 700 journals transited to XML JATS
- RSS, OAI-PMH provider per journal
- Discoverability services for libraries
- SEO



#### The contribution of Diamond OA to the communication of science

4. Diamond OA should regain its place in research assessment



- Available data sources for comprehensive research assessment
- Quantitave indicators
- Qualitative views of its contribution to the communicaition of science

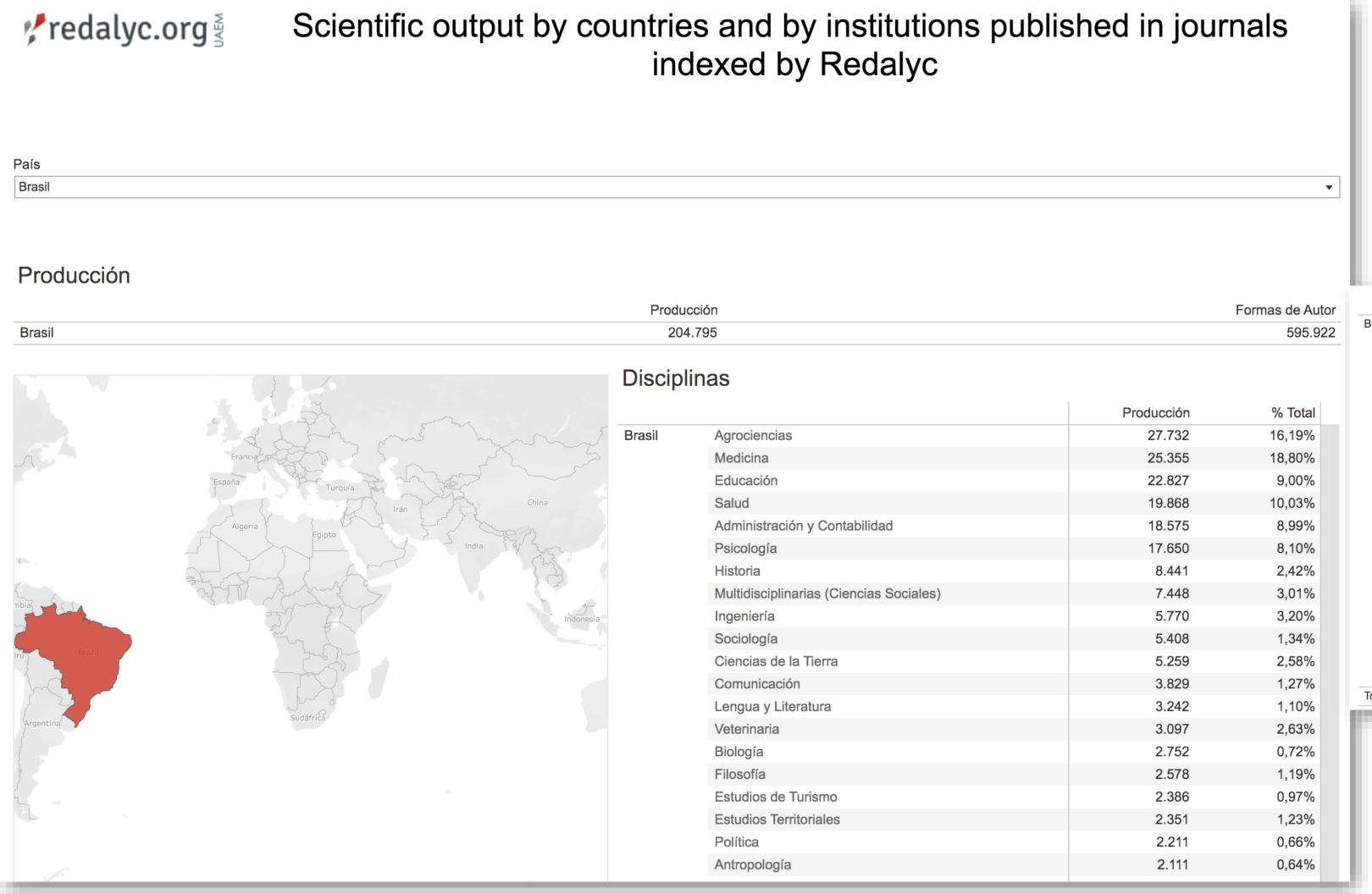
The contribution of Diamond OA to universities and countries in the dissemination of science must not be ignored when commercial solutions are being negotiated.

Map of co-authorship in diamond OA journals (1.9 million author records) Source: Redalyc 2022



#### The contribution of Diamond OA to the communication of science

#### 4. Diamond OA should regain its place in research assessment

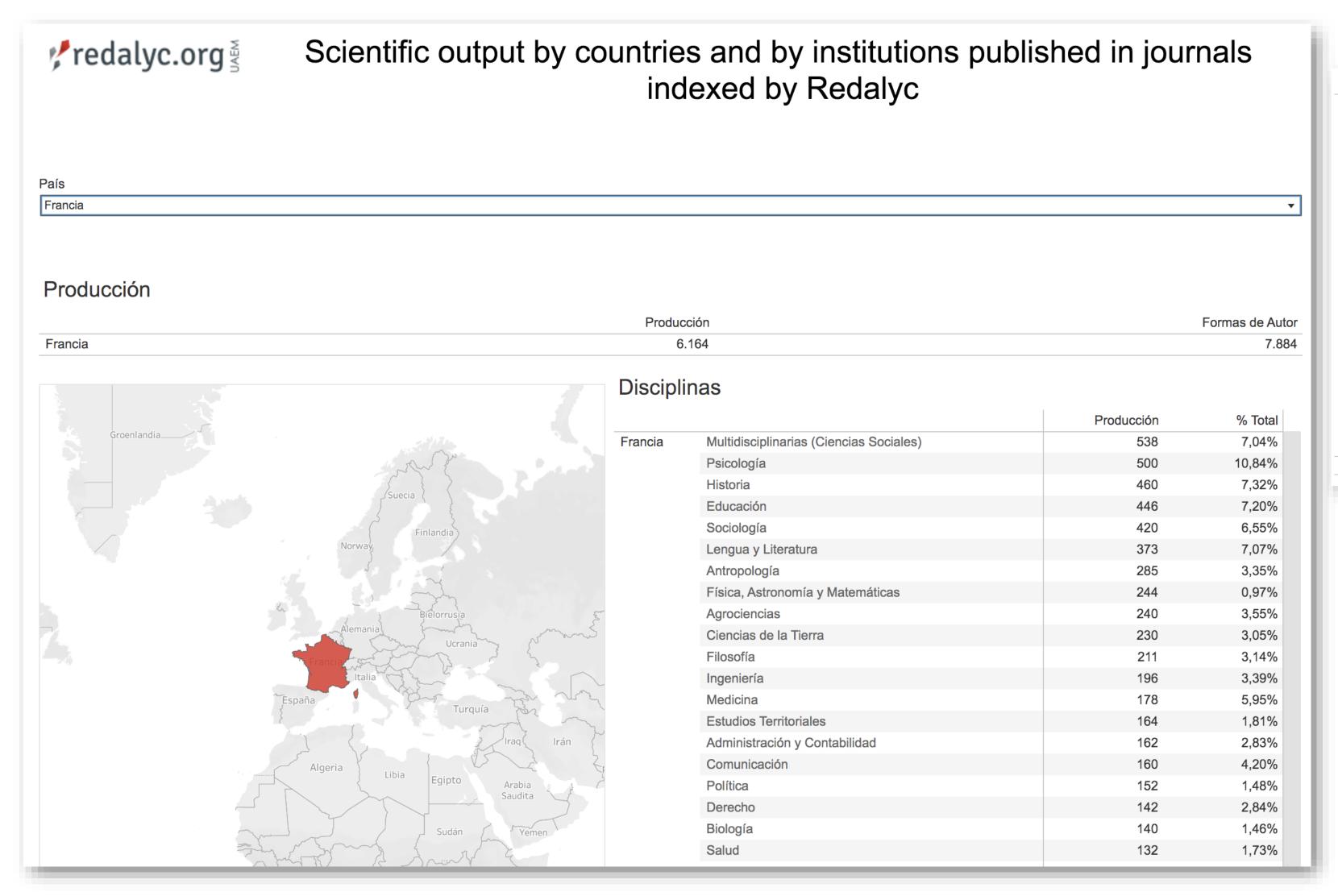


		Producción	%
Brasil	Universidade de São Paulo	23.804	7,89%
	Universidade Estadual Paulista Júlio de Mesquita Filho	10.310	3,81%
	Universidade Federal do Rio Grande do Sul	9.612	3,00%
	Universidade Federal de Santa Catarina	7.877	2,49%
	Universidade Federal do Rio de Janeiro	7.354	1,88%
	Universidade Federal de Minas Gerais	7.353	2,44%
	Universidade Estadual de Campinas	6.423	1,92%
	Universidade Federal de Santa Maria	6.339	2,41%
	Universidade de Brasília	6.283	1,68%
	Universidade Federal do Paraná	6.176	2,05%
	Universidade Federal de Viçosa	5.105	1,80%
	Empresa Brasileira de Pesquisa Agropecuária	4.719	1,04%
	Universidade Federal do Ceará	4.532	1,91%
	Universidade Federal Fluminense	4.320	1,45%
	Universidade do Estado do Rio de Janeiro	4.319	1,27%
	Fundação Oswaldo Cruz	4.171	1,29%
	Universidade Estadual de Maringá	4.124	1,87%
	Universidade Federal da Paraíba	3.924	1,50%
	Universidade Federal de Pernambuco	3.785	1,25%
	Universidade Federal de São Paulo	3.694	1,54%
Total general		204.795	100,00%

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#### The contribution of Diamond OA to the communication of science

#### 4. Diamond OA should regain its place in research assessment



		Producción	%
Francia	Centre National de la Recherche Scientifique	443	5,79%
	École des Hautes Études en Sciences Sociales	353	4,54%
	Université Panthéon Sorbonne (Paris1)	250	3,44%
	Université Denis Diderot (Paris 7)	244	4,24%
	Université Vincennes-Saint-Denis (Paris 8)	217	3,39%
	Institut de Recherche pour le Développement	202	1,93%
	Université Sorbonne Nouvelle - Paris 3	192	2,71%
	Université Paris X Nanterre	161	2,43%
	Université René Descartes (Paris 5)	137	2,32%
	Université de Toulouse-le-Mirail (Toulouse II)	135	2,30%
	Institut National de la Recherche Agronomique	123	1,72%
	Université Paris Nord (Paris 13)	110	1,53%
	Université Lumière (Lyon II)	105	1,61%
	Université Paul Valéry Montpellier 3	98	2,36%
	Centre de Coopération Internationale en Recherche Agron	88	1,12%
	Aix Marseille Université	81	2,02%
	Institut d'Etudes politiques de Paris 'Sciences Po'	77	0,83%
	Université Paris Sorbonne (Paris 4)	75	1,01%
	Université de Poitiers	66	0,97%
	Université Paris-Sorbonne	61	1,22%
Total general		6.164	100,00%



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## Roles of stakeholders in Diamond OA



#### Libraries

**Diamond supporters and ambassadors** 

- Increase the outreach of Diamond
   OA to the research community
- Include Diamond OA sources into their discovery services
- Recalculate their budgets for fairly distribution of resources (according to the use)
- Get involved in journal publishing



#### Institutions

Diamond publishers, diamond supporters

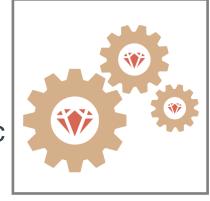
- Recognition of Diamond OA in institutional policies for research and journal assessment, as well in hiring, tenure, and promotion decisions
- Support Diamond OA journals published by its faculty
- Strengthen editorial teams within the university



#### Governments

**Diamond driven force** 

- Recognition of Diamond OA in public policies for research and journal assessment
- National consortia of libraries should recalculate their budgets for fairly distribution of resources (according to the use)
- i.e. Mexican consortia expenditure in comercial solutions ≈ 74 Million EUR



#### Open infrastructures

**Engine for collective action for Diamond OA** 

- Quality assurance
  - Help funders to identify quality journals
- Capacity building
- Complementary component in Diamond OA ecosystem to add value to journals.



#### **Funders**

**Diamond driving forces** 

- Recognition of Diamond OA in funding decisions
- Recognize that Diamond OA is more sustainable and it has a better return of investment
- Support the sustainability of Diamond OA



## Research community /authors

**Diamond OA researcher** 

Make them part of sustainability (production)

Raise awareness around Diamond OA



