



Process: 2021/07577-8

WP3: The OS-SciCom Infrastructure

The role of communication and the social responsibility of open science

GERMANA BARATA
MONIQUE OLIVEIRA
THAÍS PEIXOTO
MARIANA HAFIZ

LABinCC - Laboratory of Inclusion in Communication and Science
VOICES - The Value of Openness The Value of Openness, Inclusion, Communication, and Engagement for Science in a Post-Pandemic World

Labjor/Unicamp, Brasil

SCIENCE NEWS AGENCIES



BRAZIL 2020

+3,000 journalists

Agreement SciELO &
ABEC Brasil

Majority of papers OA,
opinion articles, reports,
books

Free| Content by BORI

Access +100 papers/day

2-3 press releases/week



GERMANY 2015

+1,000 scientists & 1,600
journalists

Climate & Environment,
Energy & Digital Mobility
& Technology & Medicine;
Life sciences; Covid-19

Free| Content by SMC

Share press releases with
comments of non-author
scientists (peer review)



USA 1996

+22,000 journalists
+100 press releases/day

Multilanguage

Multinational

**Free to journalists;
Paid by institutions**

Selects & shares press
releases

May cost from US\$1,500
to US\$2,363/year



UK 1998

+7,000 journalists

Multilanguage

Multinational

**Free to journalists;
Paid by institutions**

Selects & shares press
releases

May cost from 1,190-
2,399 Euros/year

SNA'S DATASETS

Column Name	BORI Agency	AlphaGalileo	Eurekalert!
Total press releases collected	560	60,663	84,660
Post (press release content)	100%	100%	100%
Doi (DOI of the article disclosed)	25.2%	52.1%	61.3%
Keywords		99.8%	100%

Table 1: Completeness of datasets from BORI Agency (2020 to 2022), AlphaGalileo (2018 to 2023), and EurekaAlert! (2021 to 2023).

SNA'S INSIGHTS

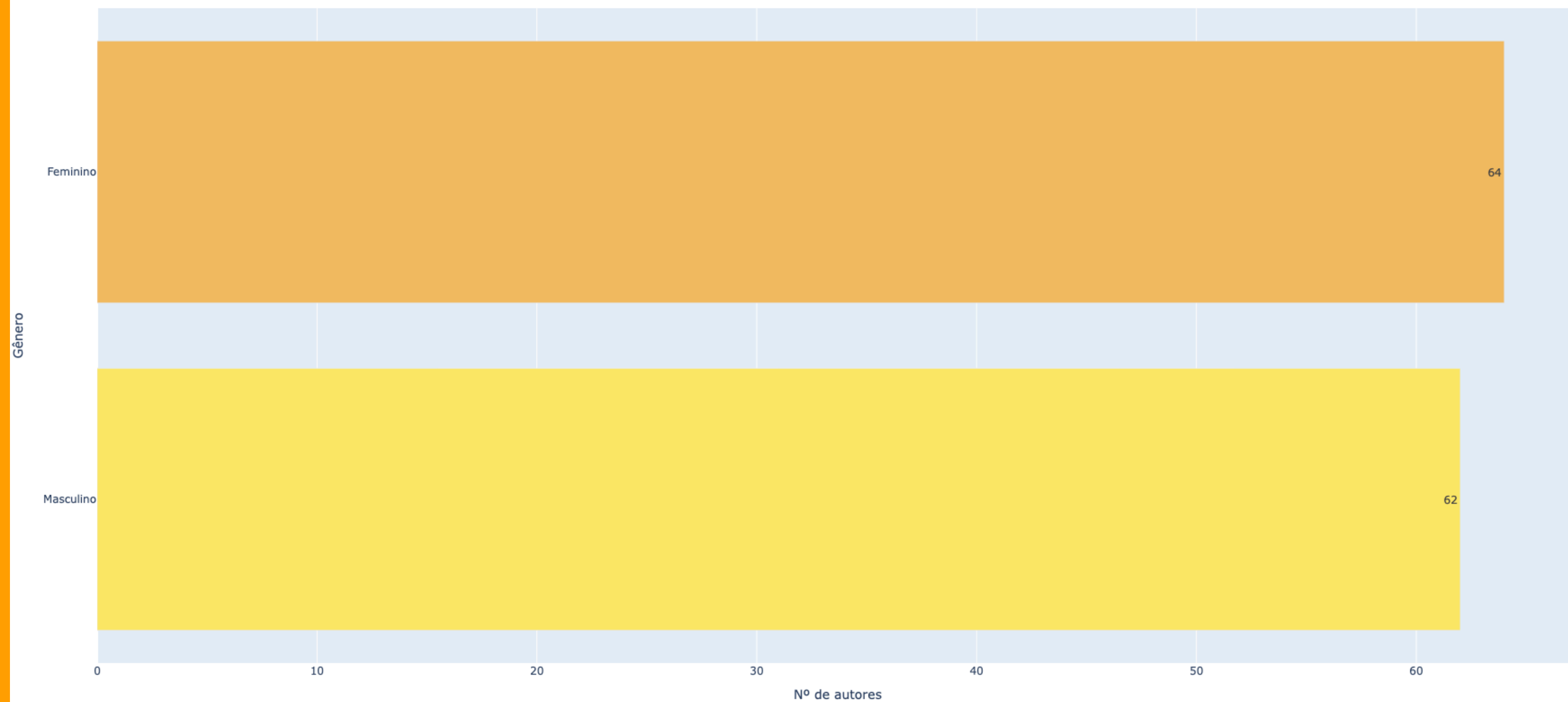
1.

Currently, we're recognizing the potential of the partnership between Scielo and the Bori Agency in our database. Bori stands out from other agencies on Equality, Diversity, and Inclusion (EDI) parameters, and the majority of its articles being in open access.

The operations of the Bori Agency emphasize the significance of merging Science Communication (SciCom) with open science infrastructures. Our database will support this defense.

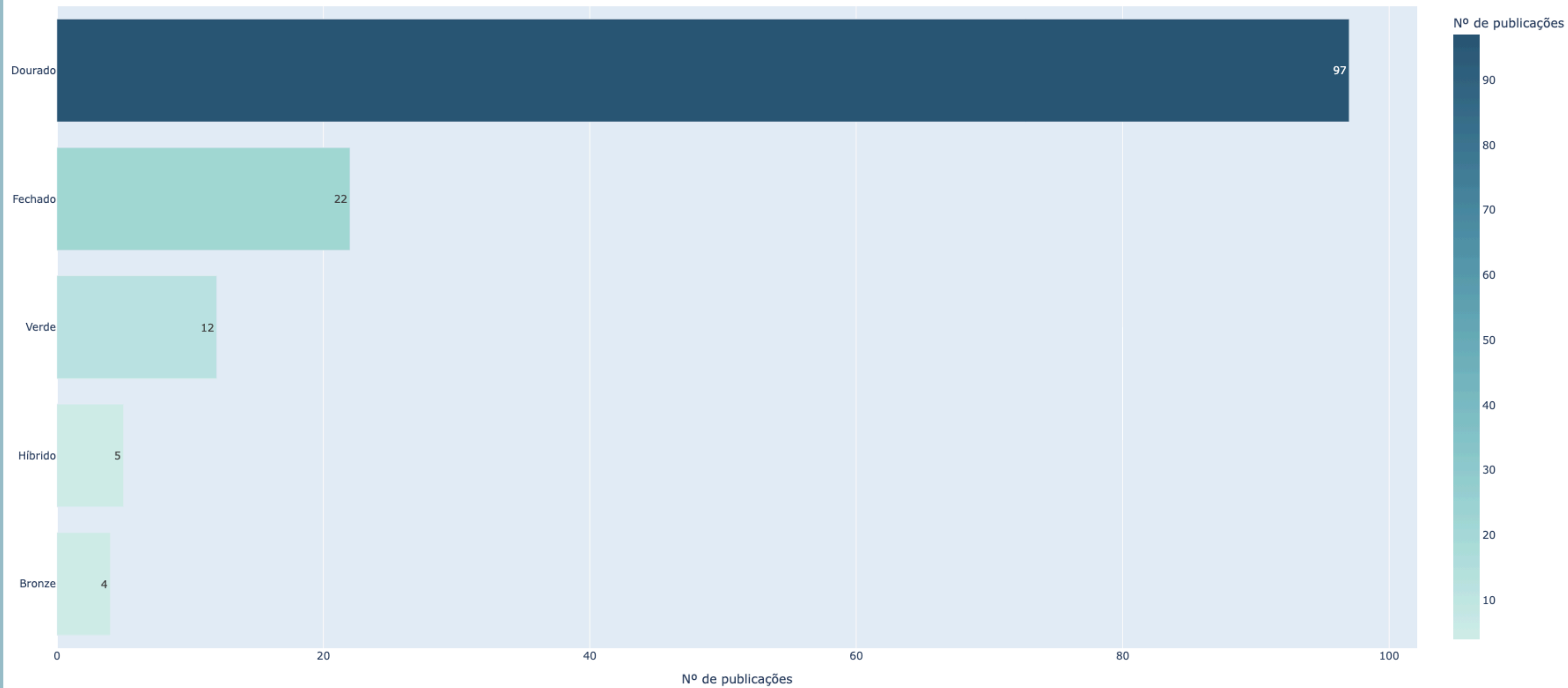
Agência BORI - Número de autores citados por gênero

Análise feita sobre 140 press releases



Agência BORI - Número de publicações por tipo de acesso

Análise feita sobre 140 press releases



SNA'S DATABASES INSIGHTS

2.

Analysis of these databases is ongoing. We are still facing some issues with SMC databases

For the project, press releases offer indicators of public attention in science, before, during and after the pandemic.

Investigations are comparing authors disclosed in the press release with those in the article, as well as their nationality, institutional affiliation, and gender.

The use of keywords and text processing allows for various thematic analyses.

PRESS RELEASES QUALITATIVE ANALYSES

1.

The qualitative analysis of press releases from these agencies evaluated their potential to foster inclusion and enhance the social attention of science.

A framework, that included OA, was established to support this goal. It highlighted the emergence of a hybrid "press release" that shifts away from "advertising" and acknowledges its social function.

PRESS RELEASES QUALITATIVE ANALYSES

2.

This analysis underscores that to achieve "Open Science 2.0" (that emphasizes EDI), more is needed than merely sharing an open access link in a scientific dissemination text.

We will advocate a form of science communication that emphasizes the public impact of science and prioritizes fostering scientific culture, rather than solely promoting the institutional interests of science and its members.

And, to achieve this, different parameters can be considered, with a culmination of a "hybrid" press release model, that manifests the incorporation of some EDI values and journalistic practices.

OTHER RESEARCH

Review OS vs. Disinformation

The review suggests that OS, mainly preprint, was associated with disinformation during the pandemic.

Minority of the sample mentions OS can be useful to strengthen public trust in science. Yet it provides clues about how science must deal with social responsibility of openness

This review helps identify the scope of this discourse, pinpoint the problems, specify the issue, and avoid generalizations.

Thematic analysis

The WP3 thematic analysis showed that there were opportunities for inclusion debates during the pandemic.

It's a demonstration that science's proximity to society during the pandemic drew the community's attention to opportunities to deepen the open science agenda towards EDI (Equality, Diversity, Inclusion).

Case studies

An independent branch of this project is analyzing the impact of the Imperial College report, which led to lockdowns in several countries during the pandemic.

The current analysis indicates a significant influence of science on politics. This helps draw conclusions about the social responsibility of science during pandemics.

THEORETICAL INPUTS

Drawing from theoretical research, case studies, and reviews, our proposal is to also frame the project's contribution, considering that open science has a social responsibility, a fact highlighted during the pandemic.

It's not just about promoting open science practices, but also considering the influence of scientific material on social and political decisions.

While Work Package 3 (WP3) has demonstrated an approach that values open science's connections with other disciplines and actors, we've observed that it's not just any actor.

Certain specific characteristics must be present to foster the merging of infrastructures and practices. We illustrate this in the Science Communication branch.



Process no. 2021/07577-8

Obrigada! Thank you!



WEBSITE

<https://labincc.labjor.unicamp.br/>

