

WORK PLAN

Post-Doctorate Fellowship

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

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Project WP3:

VOICES: The impact of open access on science communication and scholarship: news coverage, perceptions of institutions, scientists and journalists and public engagement

Abstract: The Covid-19 pandemic has abruptly and quickly changed scholarly communication and communication of science and technology news. An unknown disease asked for collaborations, speed and access to under development knowledge. Science publishers, research institutions, scientists and the media were in charge of sharing relevant public information about the new disease in open access. This project investigates the relationship between journalism and science output on Covid-19, especially that in open access, to understand whether the changes that have occurred during and after the pandemic mean a rupture and a new culture of greater openness and dialogue between scientists and the media, and between scientific knowledge and society. This subproject aims to answer the following questions: How were the relationship among science, media and public affected during and in post-pandemic, considering open access in science? Did the number of engaged experts, research institutions and journalists increased during and after the pandemic? What has changed? Did the knowledge published in open access increase the presence of papers/preprints in the media and journalists engagement on the scientific debate? How has the rise on media coverage have impacted scientific knowledge and decision making processes? Therefore, this project will analyze the growth of science coverage based on the analysis of science news content published by science news agencies in Brazil and abroad, in addition to the coverage of major selected newsmedia outlets taking into account science output in open access in a pandemic period. How has the

perception of research institutions, scientists and journalists changed in considering the open access of science? Starting from a new theoretical framework that considers open research and science dissemination over the long term of a continuum of access, this transnational team will employ a methodology of long term and qualitative scientific and information social methods to demonstrate the long term value of scientific data openness, inclusion and equity in science communication, warns against any barriers and negative effects.

Aim

As a general objective, this subproject, inserted in the Work Plan 3 (WP3) of the VOICES project, aims to capture, analyze and describe the interaction among academics, science communicators, journalists, and members of the public considering the greater openness of science.

Among the specific objectives, this research aims to:

- Understand how science coverage has changed during and after the Covid-19 pandemic;
- What are the perceptions (from surveys and focus groups) of managers and communication advisors from research institutions, scientists and journalists, about the main challenges during the pandemic to share science information, to cover science and to establish a relationship among science, media and society?
- Contribute to make scientific knowledge produced within the VOICES Project accessible through science communication shared on the project's website, as well as on social networks and pages linked to research institutions and PIs linked to the VOICES Project.

To achieve these goals, the project will use a mixed methodology to identify and compare different contexts, timelines and countries, social actors, sources and science communication practices that occurred in response to the pandemic.

The PD Fellow will contribute to supervise and train students, as well as to share results, actions and events of the VOICES project on the website to ensure open and wide access to knowledge produced. It is also the responsibility of the PD Fellow to collaborate with Labjor/Nudecri graduate classes as part of teaching training and exchanges of experience within the national team.

The expectation is that there will be active involvement in the production of papers, project reports, collaborate in the project management and take part on the

Workshop that will take place in Brazil in the third year of the project, in addition to team meetings, national workshops and participation in scientific events.

Schedule of activities and results

Activities	Month 1-3	Month 4-6	Month 7-9	Month 10-12	Month 13-15	Month 16-18	Month 19-21	Month 22-24
<i>Literature review</i>	X							
Team meetings	X	X	X	X	X	X	X	X
<i>Data collection institutions, scientists and journalists</i>	X							
Data processing and cleaning		X						
<i>Content analysis and comparative analysis</i>		X	X	X				
Paper Publication				X				X
<i>Social Actors sampling</i>		X						
Survey design		X						
<i>Ethics Committee submission</i>		X		X				
Survey application			X					
<i>Survey analysis</i>				X				
Focal group design				X				
<i>Focal Groups</i>					X	X		
Focal Groups content analysis						X		
<i>Science communication of VOICES activities</i>	X	X	X	X	X	X	X	X
Students supervision		X	X	X	X	X	X	
<i>Collaboration on Labjor/Nudecri classes</i>		X		X		X		X
Participation on the project workshop and events		X		X		X		X
<i>Preparing Reports</i>				X				X