

# 2nd global Open Science Conference at the United Nations

Academia and Open Science Infrastructure

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# Who am I?

Working with Open Access Movement strategies since 2003 - Brazilian Institute of Information in Science and Technology (Ibict)

Advocacy on the importance of Open Access/Open Science throughout Brazil

Participation in the conception and creation of the LA Referencia Network, actual elected president

Creation of the Brazilian Open Access / Open Science Program

Creation of the Brazilian Open Access Publications and Research Data Portal - Oasisbr

Participation on the executive board of the Confederation of Open Access Repositories

Participation on the board of Research Data Alliance – Brazil

Participation in OGP - Brazil - Open Science / Assessment Processes

General coordination of the CRIS-Brazil creation project

# LA Referencia: Latin America Open Science Repository Network

Open Science Repository Network formed by an association of government authorities of Science, Technology and Innovation, founded on 2012

**MISSION:** To give visibility to the **public funded scientific production** in Latin America, through the cooperation and articulation of a **federated network** of institutional and data repositories, based on **regional agreements and national open access strategies**.



# LA Referencia - Members 2021



# LATAM general situation

- **Asymmetry** inside each country and amongst Latin American countries.
- Latin America **does not have common funds** for R&D. Funds mainly come from the budget of each country, either directly or indirectly and not always in a stable way.

LA Referencia  
present and  
future  
Open Science  
Policies

- Argentina - Law that requires open access dissemination through the repositories of the institutions, both publications and data.
- Chile - Policy on Open Access to Scientific Information and scientific Data - Open Science strategic line
- Brazil – Manifesto for Open Science/ RDA node
- Costa Rica – RDA node / Implementation of two data repositories (including the national one)

# LA Referencia present and future Research data

- 76 Latin American repositories are registered re3data.org
- At national level:
  - Brazil is collecting Dataverse instances / implementation of Research Data Repository (LattesData), one of the main Brazilian national funding agency (CNPq) /Brazilian Ibict's Research Data Repository (Aleia) / Call for the creation of data repositories in 3 universities or research institutes (Ibict/RNP/CNPq)
  - Argentina is harvesting across different repositories
  - Costa Rica is ready to expose data repositories
- At regional level:
  - LA Referencia central node is working now on collecting datasets from national nodes.
  - Collaboration with RDA global and RDA Americas
  - Engage our community in RDA working groups

As with Open Access, we are working with universities and national research institutes to create data repositories and disseminate Open Science in our region





LA Referencia present and future

## Future of repositories - Evaluation & Indicators

Change the ways in which researchers are evaluated to include open science indicators. The world must change it!

Change the culture of research managers of institutions and researchers in favor of open science results evaluation

Convince national funding agencies to link funding with the adoption condition of the Open Science.

LA Referencia  
present and future  
**Challenges**

Create national legal frameworks on open science in all countries

Obtain national, regional and international funding to support open science activities

Build a common infrastructure for large data storage and interoperability since Latin America does not have common funding sources

Create stronger national infrastructures with proper technical human resources

Identify and recover Latin America's research data spread in national initiatives and in foreign infrastructures

## Aim

Provide an international framework for Open Science policy and practice, that **recognizes** disciplinary and **regional differences** in Open Science perspectives, considers academic freedom, gender-transformative approaches and the specific **challenges of scientists** and other Open Science actors in different countries and in **particular in developing countries**, and contributes to **reducing** the digital, technological and knowledge existing **gaps** between and within countries.

LA Referencia present and future  
**UNESCO Open Science  
Recommendations**

# Lessons learned on open science from the pandemic period

- The commodification of scientific communication **delays** scientific developments – The proof is that during the pandemic the large commercial publishers opened their journals and data aware that the **free circulation of knowledge is essential for a fast scientific development**. Editorial oligopolies charge high subscriptions or APC prices which means that not all researchers have access to the research results and research data of their peers, or publish their advances to the world scientific community.
- **Researchers and their institutions need to be evaluated positively for their efforts to widely disseminate their research data and research results**. Thus, global problems would be treated equally throughout the world, and those who engage in research whose results will impact everyone, would receive due recognition.

LA Referencia is Open Access

LA Referencia is Open Science

LA Referencia is Open to collaboration

You are all welcome !

“Our strength is the acknowledgement  
and respect of the differences as a  
foundation of international  
collaboration”

Thank you!

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