



Latest developments in Open Science policies and infrastructures in Latin America

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www.lareferencia.info



Network of open access repositories for science - LA Referencia

Mission

To give visibility to the **publicly 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 Referecia - Pilars

AGREEMENTS



Public Goods
Interoperability
Alliances
Projects

GUIDELINES



OpenAIRE
LR Application Profile
Information quality
Scientific Data
Guidelines

TECHNOLOGY



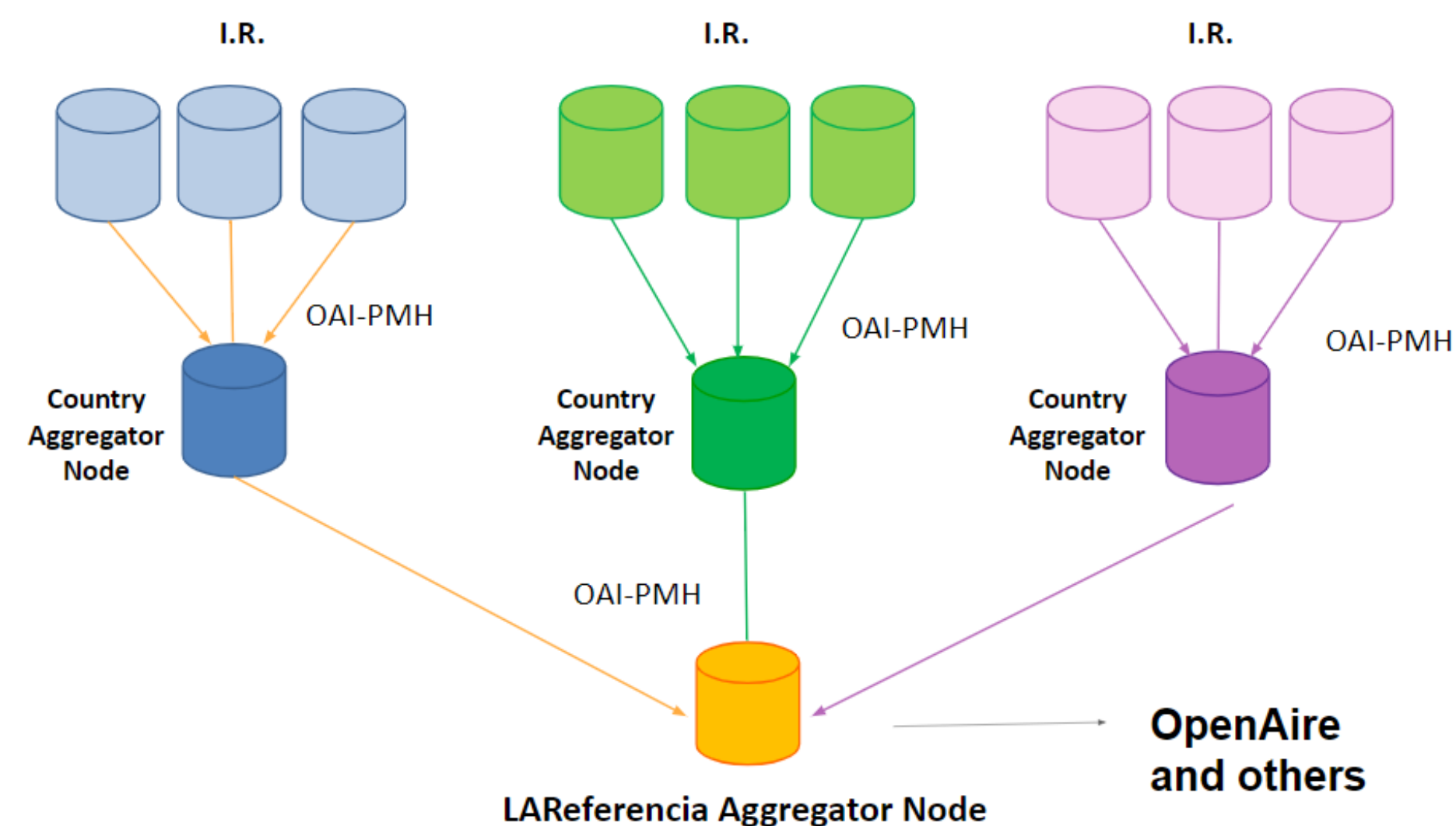
Harvesters
Transfer
Pilots
Development
Community

Open Science Policies

- Latin America registers 37 OA institutional mandates and policies, most of them institutional and not national (ROARMap, 2020)
- Open Science countries legislations (Peru, México (OA law) and Argentina (OS law)); Chile - public consultation OS law; Brazil – draft legislation on open access and open science.
- Asymmetry inside each country and amongst Latin American countries, with some international collaboration and funding.
- Latin America does not have common funds for R&D. Funds come mainly from each country, and not always in a stable way.
- In general terms, data repositories are still incipient in the region.

Infrastructure

- LA Referencia has implemented a distributed infrastructure based on national nodes running the same software.
- LA Referencia's software allows the harvesting, enrichment and sharing of metadata of literature and data
- The regional infrastructure interoperates with other regionals, such OpenAIRE



International alignment

- LA Referencia' countries are COAR members
- Part of OpenAIRE 2020 and OpenAIRE Advance projects:
 - Distributed Usage statistics
 - OpenAIRE Broker
 - Guidelines 3.0 and 4.0
- MoU Zenodo CERN - Collaboration
- MoU FCT Portugal - LA Referencia software

Challenges

- Change the ways in which researchers are evaluated to include open science activities.
- Convince national funding agencies to link funding with the adoption condition of the Open Science.
- Create national legal frameworks on open science in all countries.
- Changing the culture of research managers of institutions and researchers in favor of open science.
- Obtain national, regional and international funding to support open science activities.

Challenges

- Build a common infrastructure for large data storage and interoperability since Latin America does not have common funding sources.
- Create a stronger national infrastructures with proper technical human resources.
- Increase metadata quality and interoperability.
- Consolidate a collaborative software development network.
- Asymmetry requires setting priorities and working at a regional and international level.

Thank you!

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