

*LEARN project - the story so far*

# Research Data: Implementation of policies and strategies in Latin America and the Caribbean



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Chief, Hernán Santa Cruz Library



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 654139.



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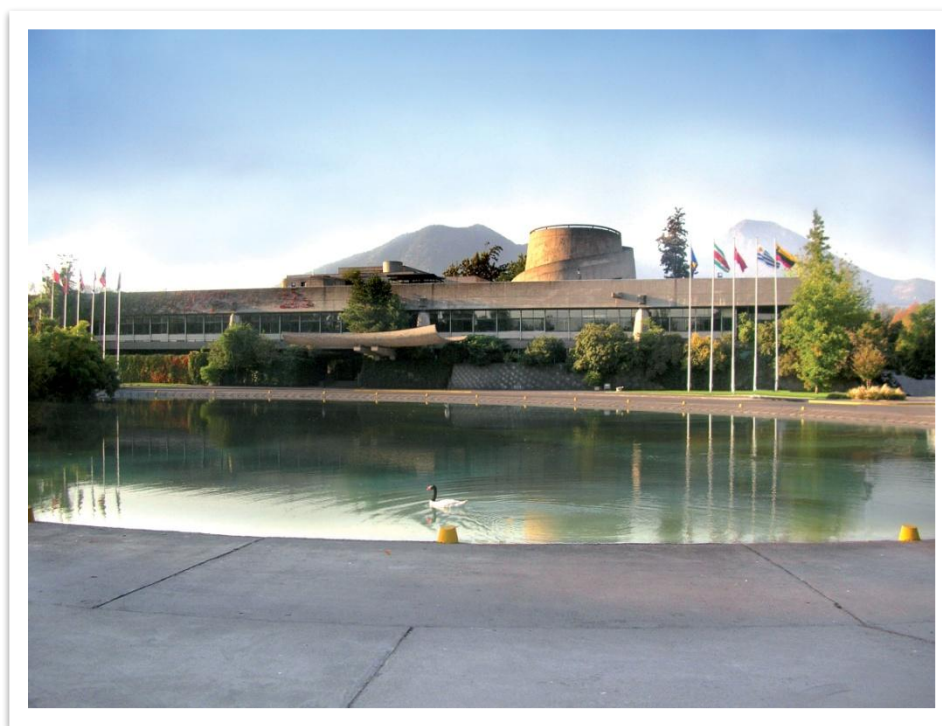
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# 4th LEARN Workshop on Research Data **Implementation of policies and strategies in Latin America and the Caribbean**

27th October 2016

ECLAC, Santiago de Chile



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Port of Spain (Trinidad  
& Tobago)  
24 November 2016

Santiago de Chile (Chile)  
27 October 2016

Barcelona (Spain)  
27 January 2017

Helsinki (Finland)  
28 June 2016

Vienna (Austria)  
6 April 2016

London (UK)  
29 January 2016



# How about RDM in the Caribbean?

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**Test your readiness in  
RDM now!**



<http://goo.gl/forms/m6PGJ34tGr>



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# Why talk about RDM?

- **Production of data** is exploding: in 2020 the digital universe will consist of 44 zettabytes (44 trillion gigabytes). It will be incrementing at a rate of 1,7 megabytes (5 social media posts with image) per person per second!
- **Scientific research is based on data.** The possibility to share and re-use large amounts of data will change the way we do science.
- Many universities and research institutes are still **lacking policies and strategies for data management.**
- There are several **barriers** that make managing and sharing data complicated: availability of financing, lack of skills, legal framework etc.

# What are Research Data?

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*Research data, from the point of view of the institution with a responsibility for managing the data, includes:*

- ***All data which is created by researchers in the course of their work, and for which the institution has a curational responsibility for at least as long as the code and relevant archives/ record keeping acts require, and***
- ***Third-party data which have originated within the institution or come from elsewhere.***

\*LERU Research Data Working Group, Roadmap - Advice Paper No. 14 – December 2014

# What are Research Data? (2)

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- **Evidence (“primary sources”)** of hypothesis and questions in a research context.
- This can be **quantitative or qualitative information** as a result of experiment, observation, modeling, interviews and other scientific methods.



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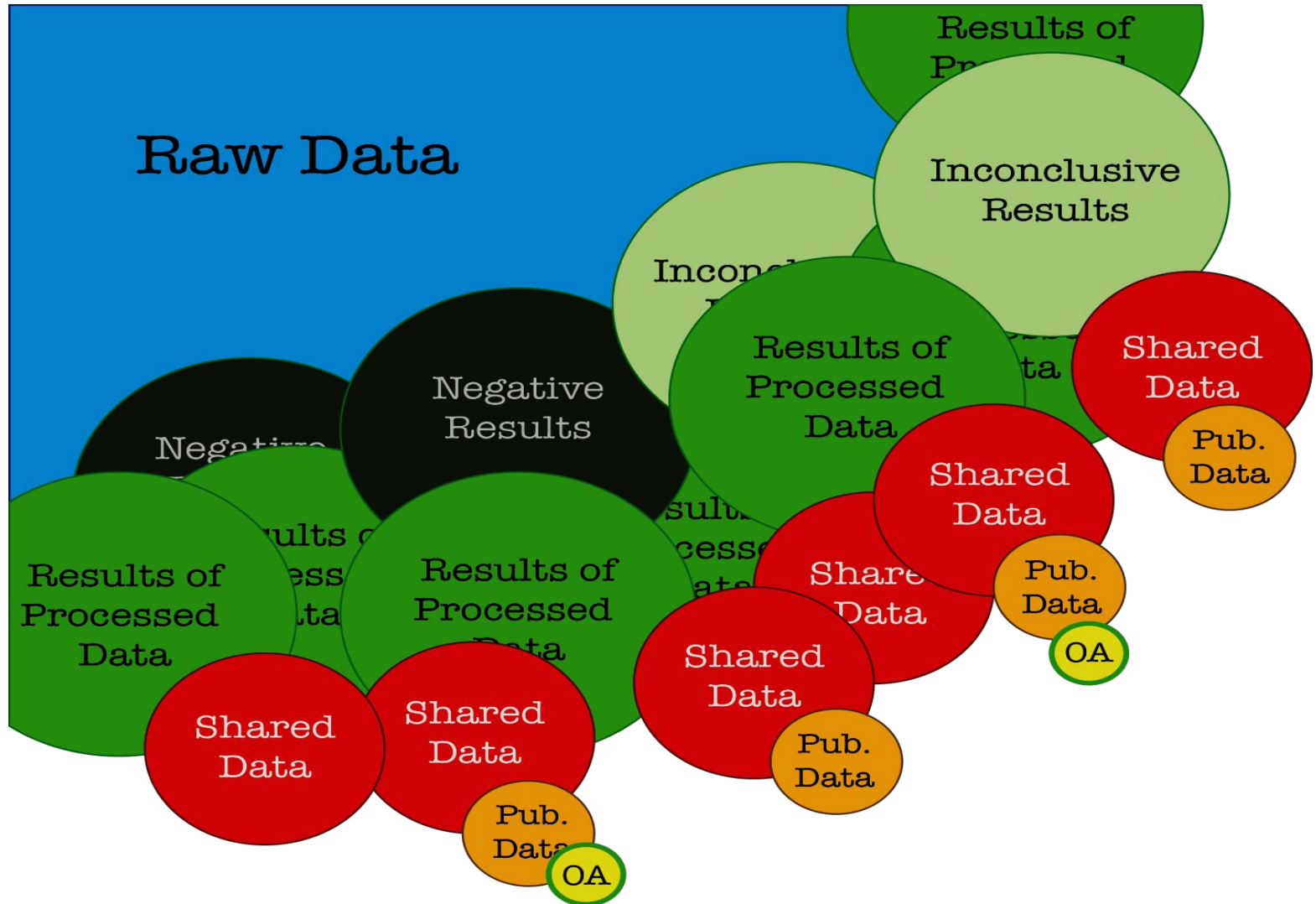


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# Data from Research Processes: from raw data to open access published data

by Raman Ganguly



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# What are the benefits of RDM?

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**Accessibility**

**Validation**

**Efficiency**

**Transparency**

**Collaboration**



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# Why do organizations need RDM policies?

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**Scope**

**Medium and long term thinking**

**Responsibilities**

**Legislation**



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## **Open whenever possible**

**Reasons NOT to make data open:**

Commercial

Cost vs value

Intellectual property

Privacy and confidentiality



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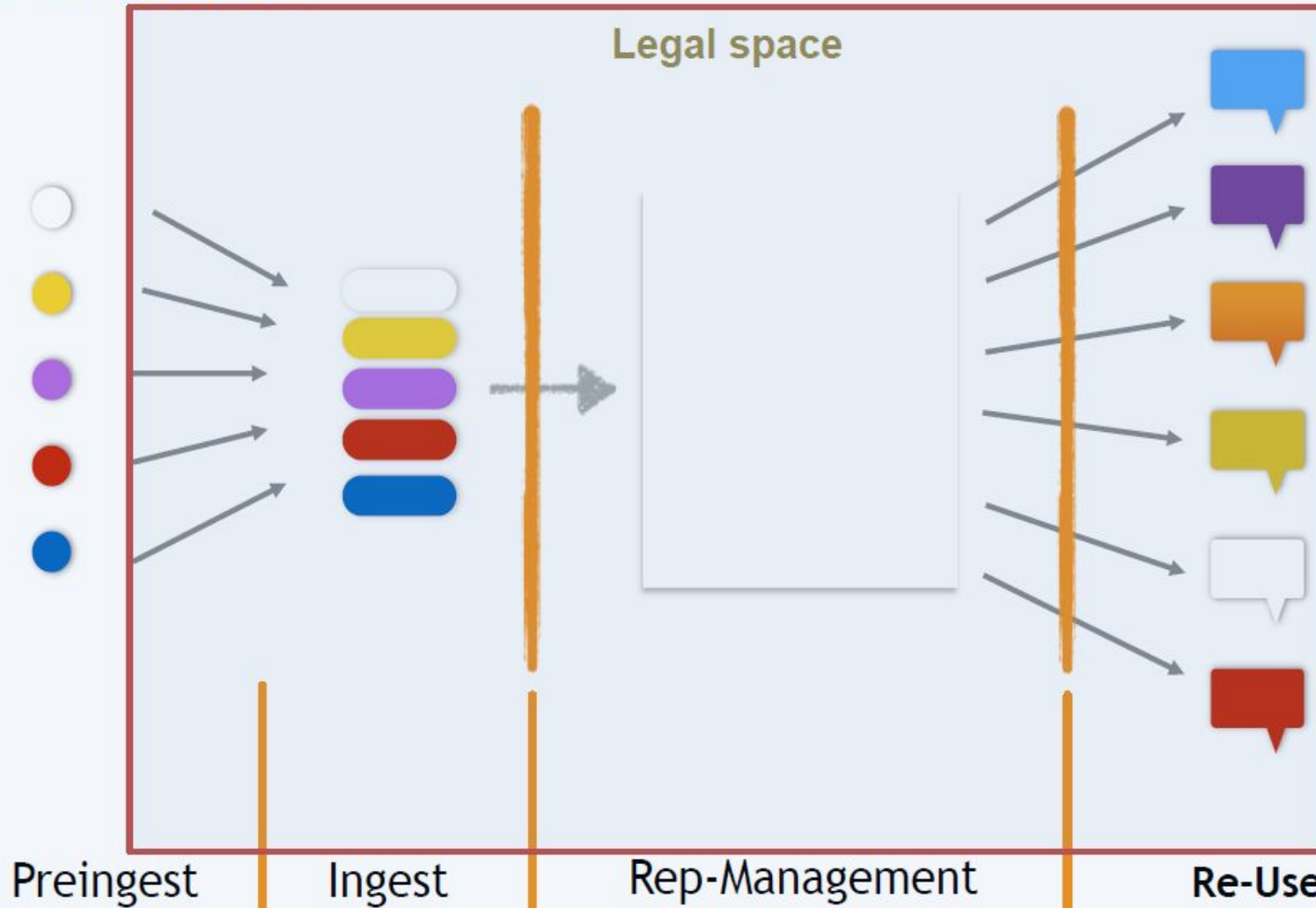
# RDM model: stakeholders

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- 1. Researcher (Content Provider - Data Supplier)**
- 2. Data Repository Manager**
- 3. Institution**
- 4. Funding agency**
- 5. User**



## Policies



# Roles and responsibilities

ROLE	RESPONSIBILITY
ARCHIVE	PROTECTION
INSTITUTION	LEGAL SECURITY
FUNDING AGENCY	SOCIAL RESPONSIBILITY
CONTENT SUPPLIER	QUALITY



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# Leaders Activating Research Networks

## *Líderes Activando Redes de Investigación*

EU funded project under Horizon 2020  
Research and Innovation Programme

24 months (1/06/2015-31/05/2017)

Grant agreement 654139

EU funding: 496,582 €

Coordination: University College London  
(UK)



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# Participating institutions

## Coordination

- **UCL** - University College London, United Kingdom

## Partners

- **UB** - University of Barcelona, España
- **LIBER** - Association of European Research Libraries
- **UNIVIE** - University of Vienna, Austria
- **ECLAC** – United Nations, Economic Commission for Latin America and the Caribbean, Santiago de Chile



# LEARN: objectives

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1. Outreach and dissemination of the LERU Roadmap

2. Awareness raising about RDM and the need for policies and strategies

3. Stimulate research about RDM

4. Stimulate the production and implementation of RDM policies at institutional level



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# LERU Roadmap

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A guide/tool for universities and research institutes interested in data driven research

Published in December 2013 by League of European Research Universities (LERU)

Available at: <http://goo.gl/INWlcl>



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## LERU Roadmap



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## LEARN Deliverables

**Model policy**, for usage and customization by interested organizations

Set of **good practices** and case studies, based on research and workshops

Executive summary in 5 languages (ENG, FR, DEUT, PORT, ESP)



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# Expected results from the LEARN project

**Exchange of ideas and experiences**

**Enhance the LERU Roadmap with more case studies and best practices**

**Contribute to economic growth (“Data-driven economy”)**

**Collaboration across national borders**

**Raise awareness on RDM**



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# ECLAC's role in LEARN

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- Awareness raising in LAC
- Create a LEARN Community in LAC
- Contribute to the UN/CEPAL strategy of big data/open data



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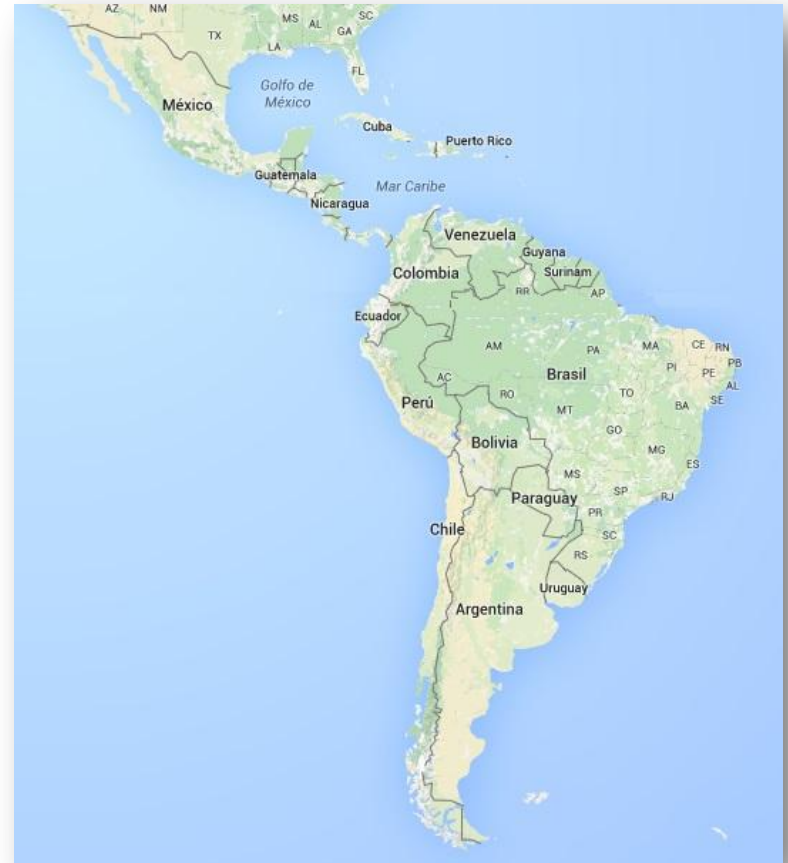
# State of RDM in LA

## Countries studied:

- Argentina
- Brazil
- Colombia
- Chile
- Mexico
- Peru
- Uruguay

## What are we looking for?

- Legislation
- Institutional policies
- Projects
- Experiences with RDM implementation
- People and institutions



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# State of RDM in LA

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- **Heterogeneity** in levels of experience and knowledge about RDM:
  - Terminology: open data, big data, scientific data, research data, open science, e-science, open access, etc.
  - Open Access and Repositories of Publications are the standard
  - Important amount of collaborative work (La Referencia)
  - Interesting but isolated experiences in RDM
  - Little sharing of knowledge and experiences in RDM amongst countries, and even institutions
  - Strong interest in RDM

# State of RDM in LA

## 1. Argentina:

- Law 26.899 (2013)
- Creation of National System of Digital Repositories
- Clauses about data management for publicly funded research
- “Primary data” need to be deposited by researchers funded by public money within 5 years



Sistema Nacional de Repositorios Digitales (SNRD)



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# State of RDM in LA

## 2. Peru:

- Law 30035 (2013), Reglamento Repositorio Nacional (2015)
- Creation of Repositorio Nacional Digital de Ciencia, Tecnología e Innovación de Acceso Abierto, ALICIA
- Clauses for the ingest of “processed” data in national open repositories if financed by public funds



Repositorio ALICIA. Acceso Libre a Información Científica para la Innovación



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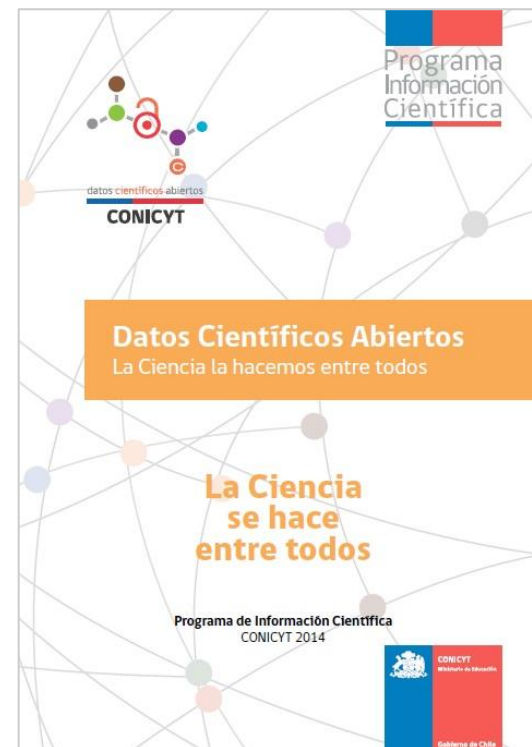
# State of RDM in LA

## 3. Mexico:

- Ley de Ciencia y Tecnología (2002), Decreto de reforma de la Ley (2014)
- Creation of National and institutional repositories
- Deposit of data “de las investigaciones” (optional)

## 4. Chile

- Proposal of policy + portal of “Datos Científicos” (CONICYT)
- Experiences with data intensive research: Red Biodiversidad Chile



Publicación CONICYT. “Datos Científicos Abiertos. La Ciencia la hacemos entre todos”

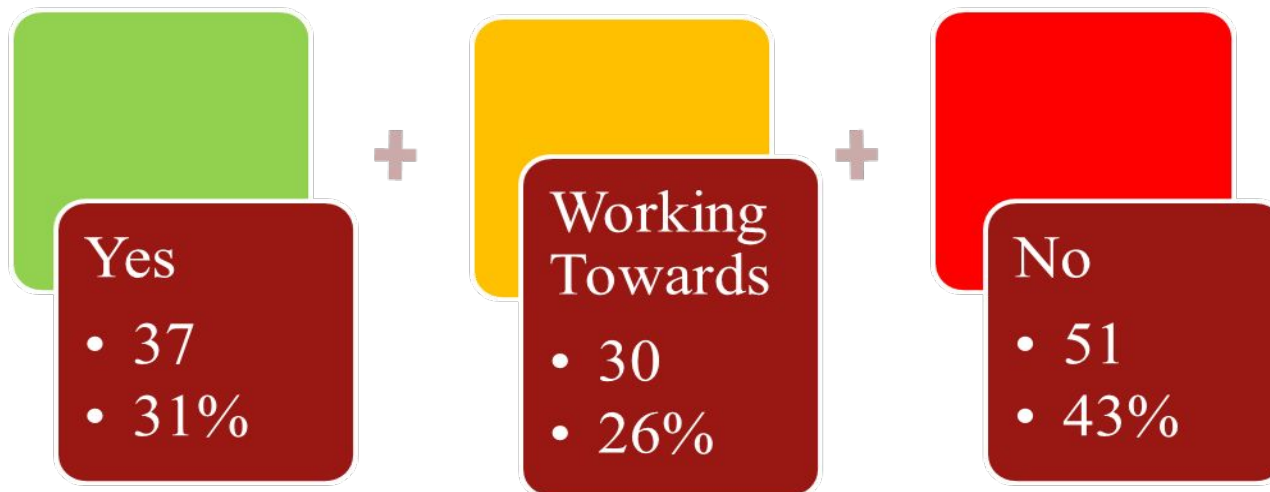


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## ALL ANSWERS

# Does your institution have a research data policy?

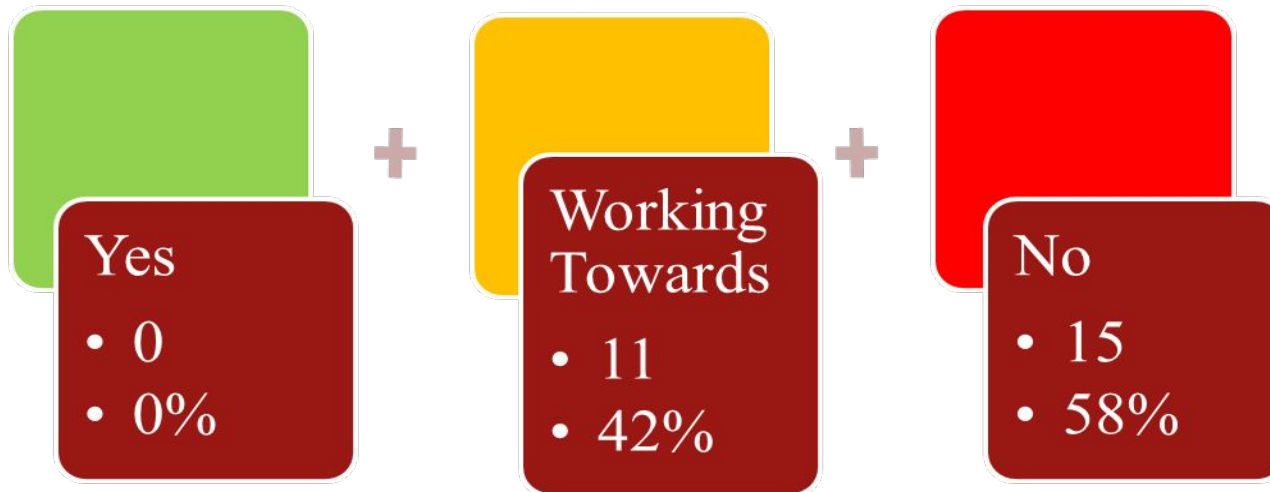


**Test your readiness in  
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## LATIN AMERICA

Does your institution have  
a research data policy?



**Test your readiness in  
RDM now!**

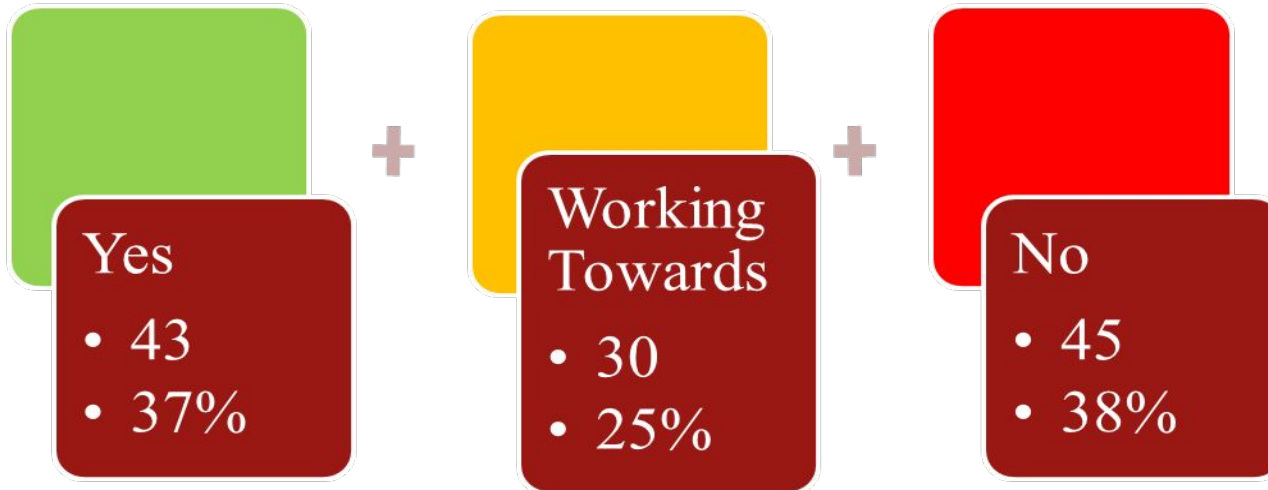


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## ALL ANSWERS

Does your institution  
have dedicated research  
data governance?



**Test your readiness in  
RDM now!**



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## LATIN AMERICA

Does your institution have dedicated research data governance?



**Test your readiness in  
RDM now!**



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# So how about the Caribbean?

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**Test your readiness in  
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# More information

<http://www.learn-rdm.eu>



@learnRDM



LearnRDM



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