

Sustainable Language and Geographical Diversity in Open Science

My Experience in Latin America

Laura Ación (she/her)

<http://tiny.cc/EOSS2021>

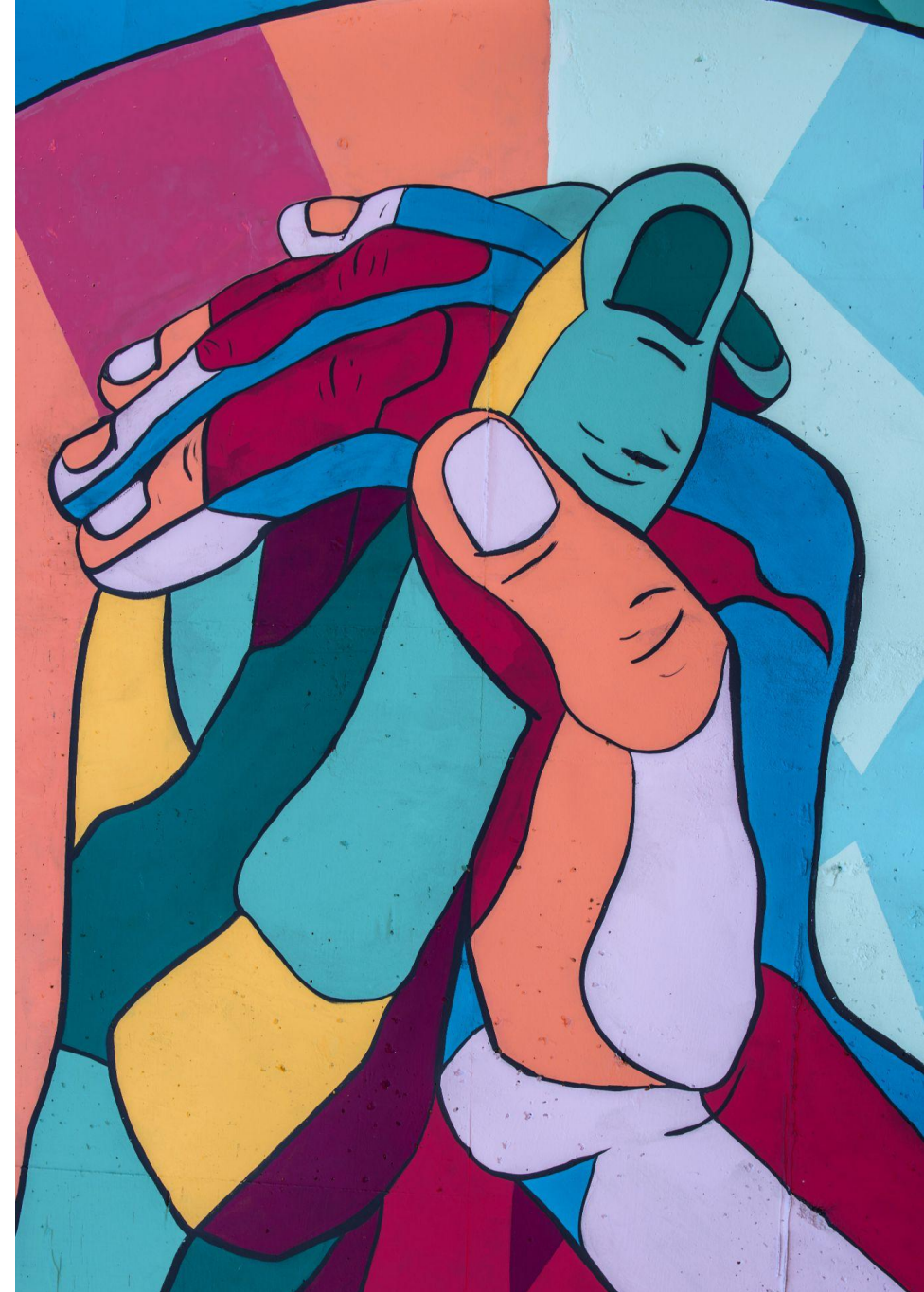


Photo by Tim Mossholder on Unsplash

Laura Ación

- Mid-career researcher, background in Biostats
- Health artificial intelligence and data science. Socially responsible use of data
- U of Buenos Aires - CONICET, Argentina
- MetaDocencia co-founder

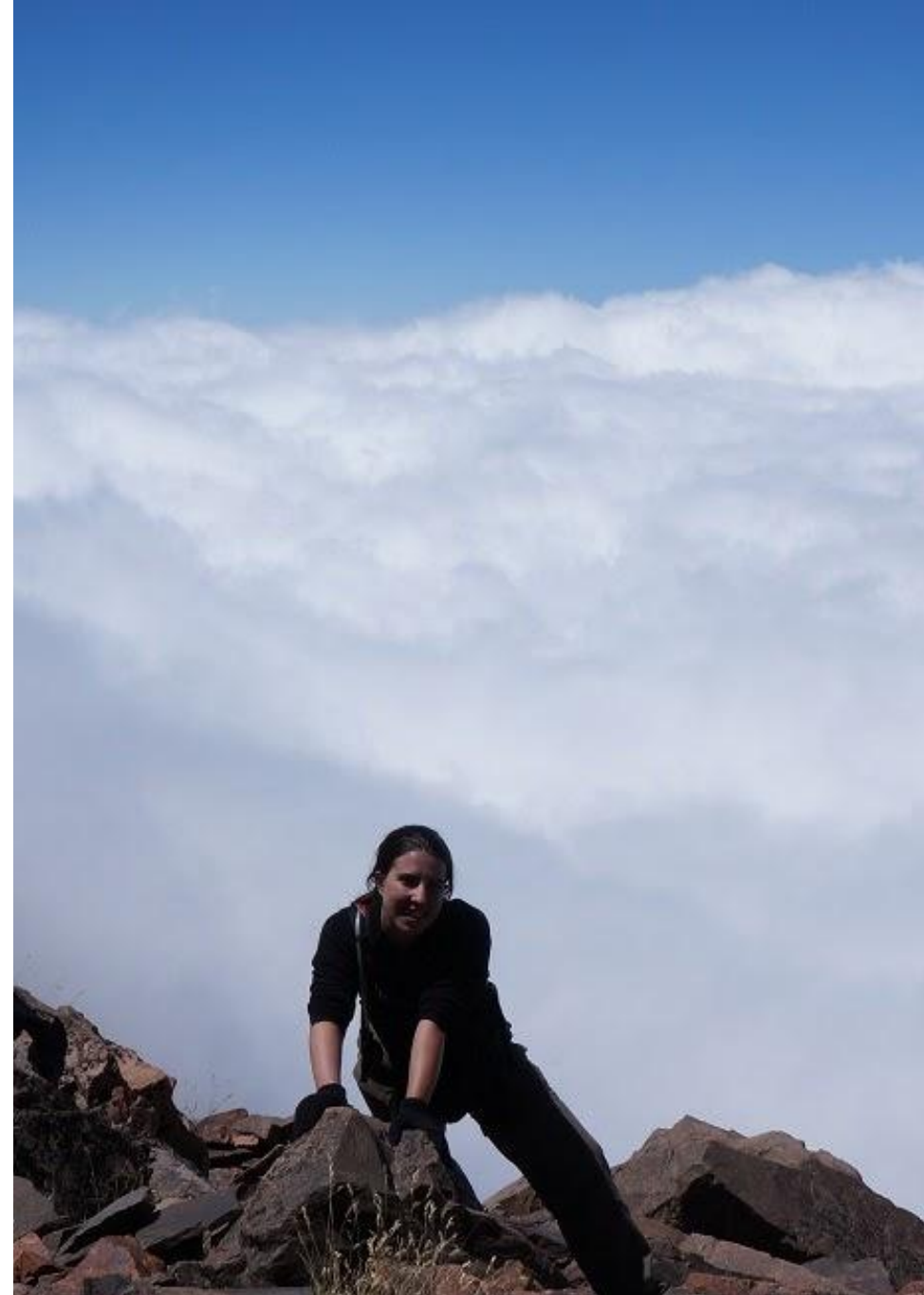
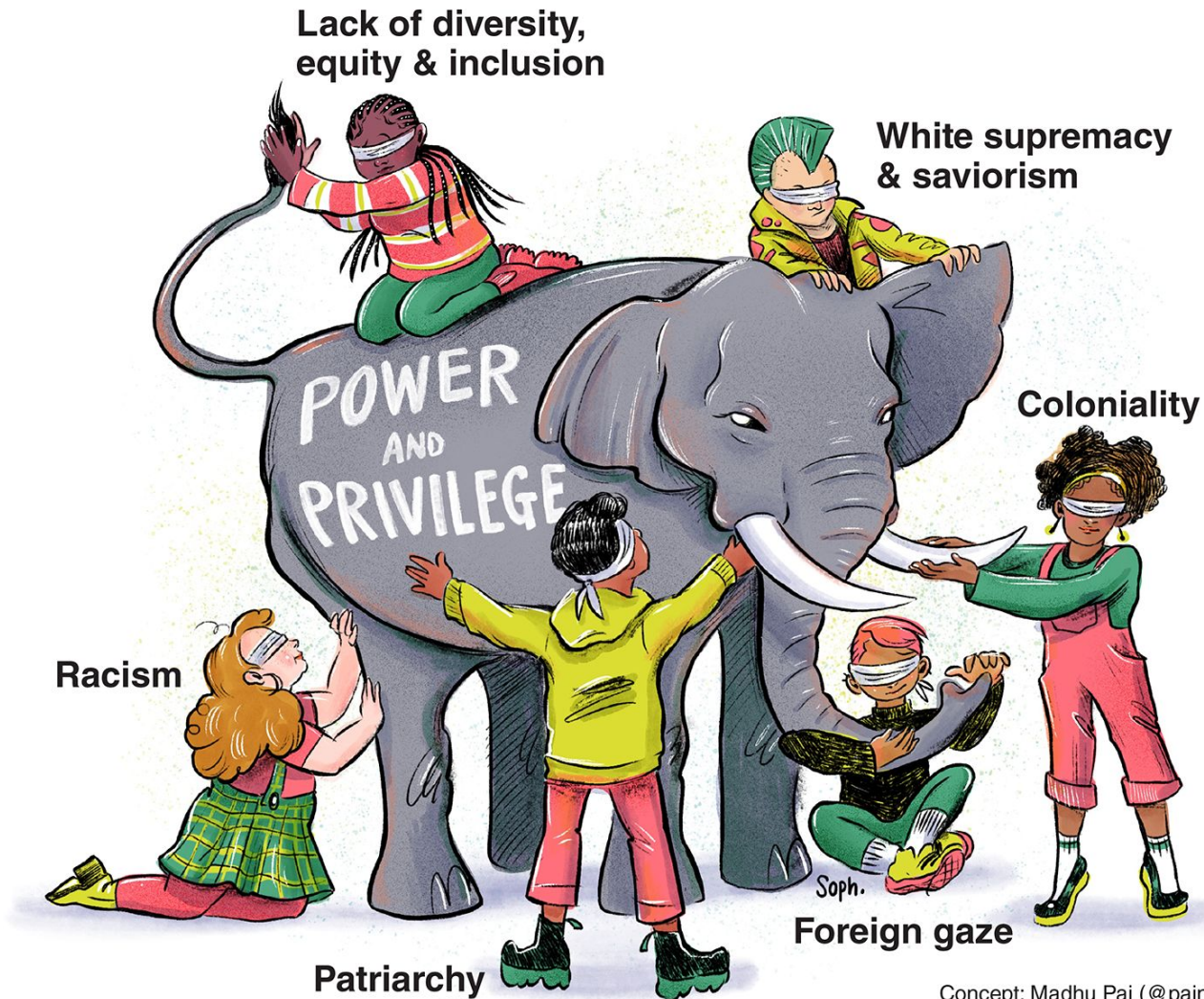


Photo by my partner

My Intersections of Privilege in Latin America

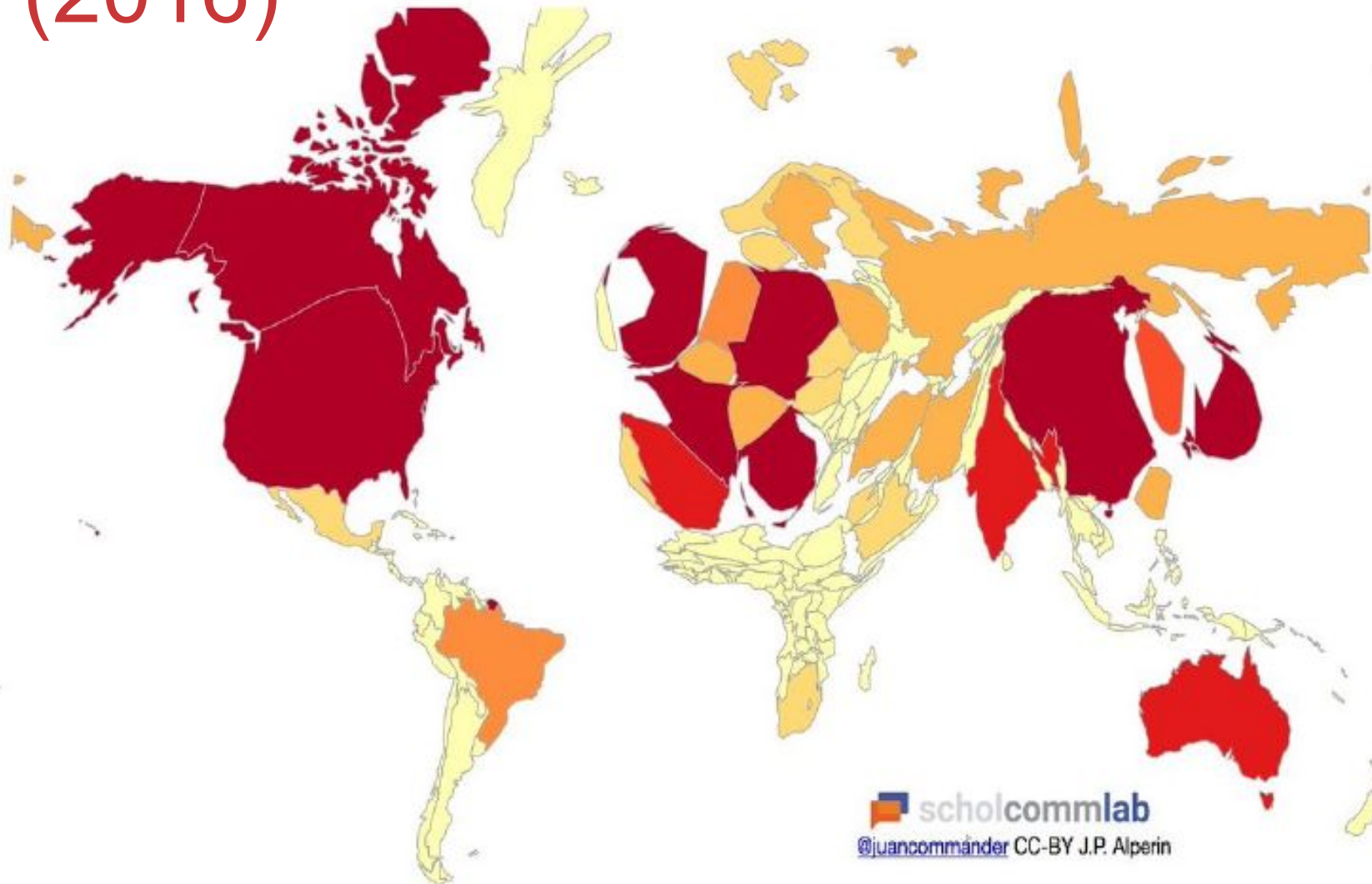
- white (unlike ~2/3 of Latin Americans)
- English speaker (unlike >80% of Latin Americans)
- PhD in the USA (while ~80% Latin Americans have no access to a *local* undergrad degree)
- Tenured mid-career academic (<0.02% in Argentina)
- At a big city in an upper-middle income country
- Abled, cis, heterosexual, not a migrant not discriminated on the basis of religion, ...

Problem: Global Does Not Include the Whole Planet



Concept: Madhu Pai (@paimadhu)
Art: Sophie Lane (ScEYenceStudios.com)

World Scaled by Number of Papers, Web of Science (2016)



Question

How can Open Source and Science
equalize the map?

My Experience in Latin America



2017



2017

2018

2019

2020

2018



2017

2018

2019

2020



2019 - 2020



**THE
CARPENTRIES**

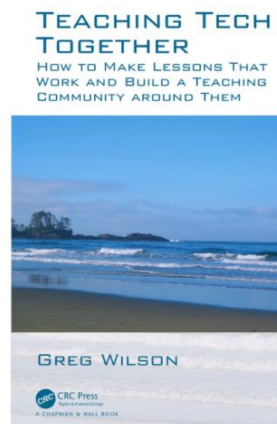


2017

2018

2019

2020



2017-2019 in a Nutshell

- Acting locally while thinking globally
- Network
- Capacity building
- Increased self-worth and visibility
- Sitting at decision-making tables
- Making room for other Latin Americans
- Acting for diversity, equity and inclusion in the Global South



March 2020 🤔

MetaDocencia



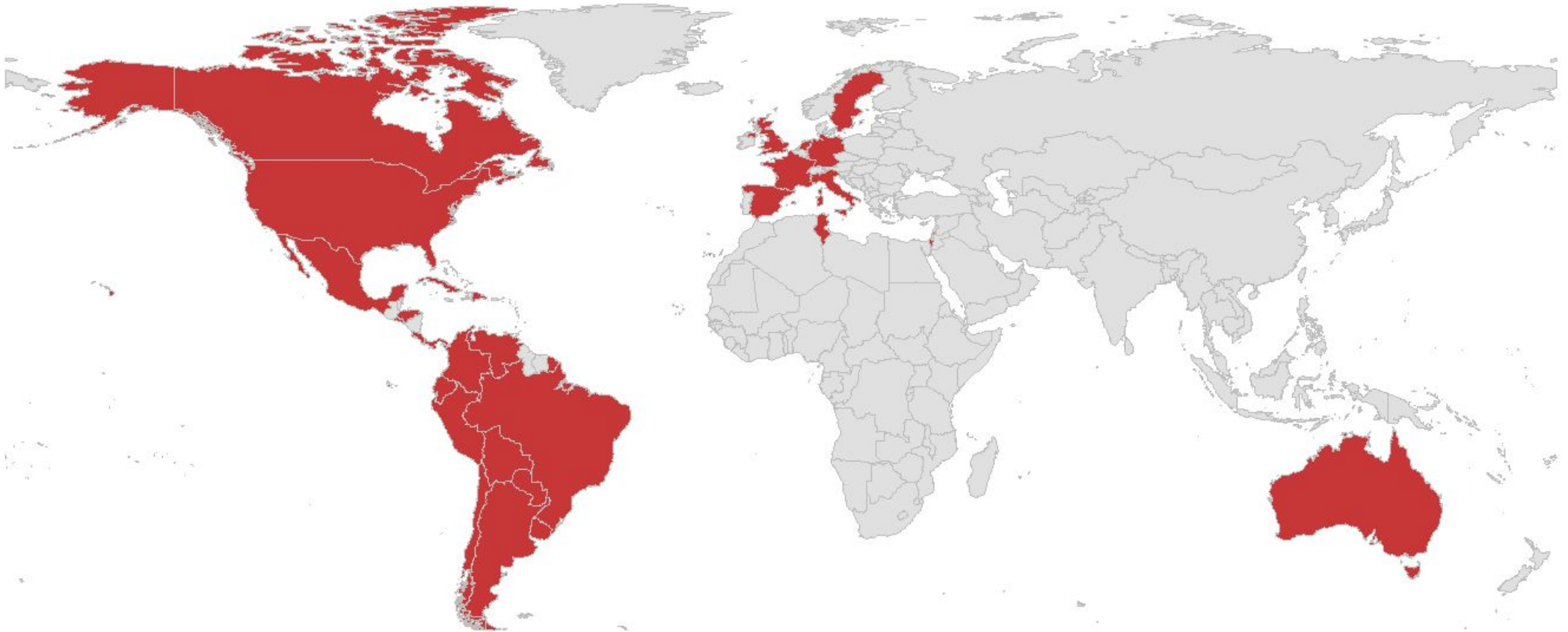
metadocencia.org

Twitter: @metadocencia

MetaDocencia's Open and Free Workshops in Spanish

- 58 Intro to online teaching essentials
- 5 How to teach programming online
- 4 Hands-on Zoom workshops
- 3 Creating interactive tutorials with {learnr}
- 2 Carpentries instructor training

Who have we reached?



2,500+ Spanish-speaking educators in 30 countries

All Contributors to MetaDocencia - Thank you!

Core Team

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Volunteer work is problematic

- Not sustainable
- Prone to burn-out and exploitation
- Only an option for privileged folks that can afford the time
- Bad for real diversity and inclusion in Latin America

MetaDocencia: 2021 and Beyond



+

CS&S

Code for
Science &
Society

+



- Stability for 2 years on paid time and infrastructure
- Governance and 5-year strategic+sustainability plan
- New Open Science materials in Spanish + Portuguese, events, locally-minded DEI
- Make room for other regional efforts

Let's Make Open Science Truly Global

- Pay for human resources
- Incubate geographically diverse initiatives
- Generate language diversity
- Include the locally marginalized in decision making
- Learn from local talent working frugally
- More generally: social justice, reparations, global solidarity, respect, self-determination, accountability

Thank You!

How can Open Source and Science equalize the map?

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Thank You, Paloma Rojas-Saunero and Kate Hertweck, for your comments on the early draft



Image by MetaDocencia