

# **Latin America(ns) at CERN**

## **A short overview**

**SILAF AE**

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# Science for peace

## CERN was founded in 1954 with 12 European Member States

(Belgium, Denmark, France, the Federal Republic of Germany, Greece, Italy, the Netherlands, Norway, Sweden, Switzerland, the United Kingdom and Yugoslavia)

### 24 Member States

Austria – Belgium – Bulgaria – Czech Republic  
Denmark – Estonia – Finland – France – Germany  
Greece – Hungary – Israel – Italy – Netherlands – Norway  
Poland – Portugal – Romania – Serbia – Slovakia Spain –  
Sweden – Switzerland – United Kingdom

### 2 Associates Member States in the pre-stage to membership

Cyprus –Slovenia

### 8 Associate Member States

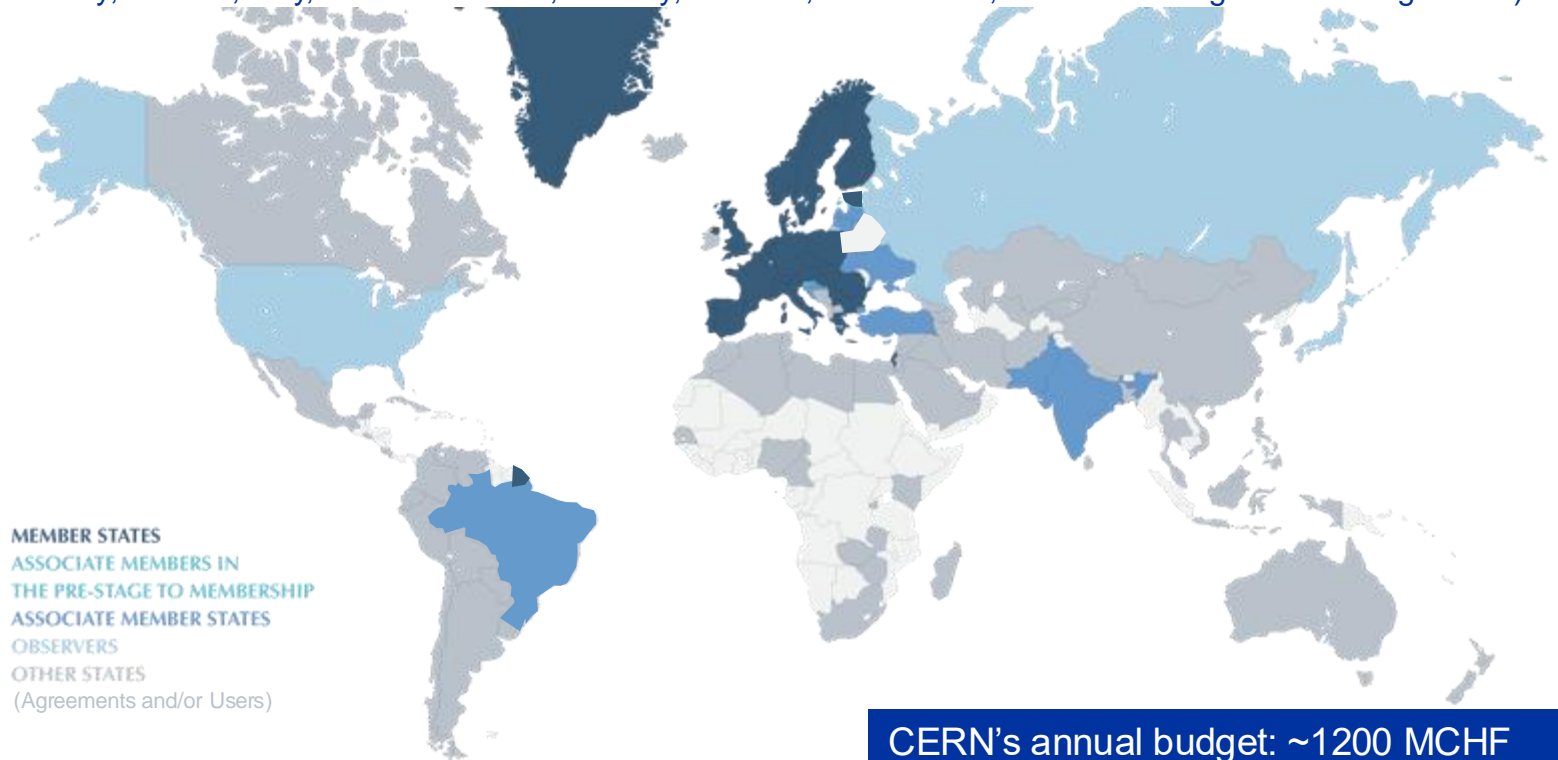
Brazil – Croatia – India – Latvia – Lithuania – Pakistan  
Türkiye – Ukraine

### 6 Observers

Japan – Russia (Through November 2024) – USA  
European Union – JINR (Suspended) – UNESCO

### More than 50 Cooperation Agreements with non-Member States and Territories

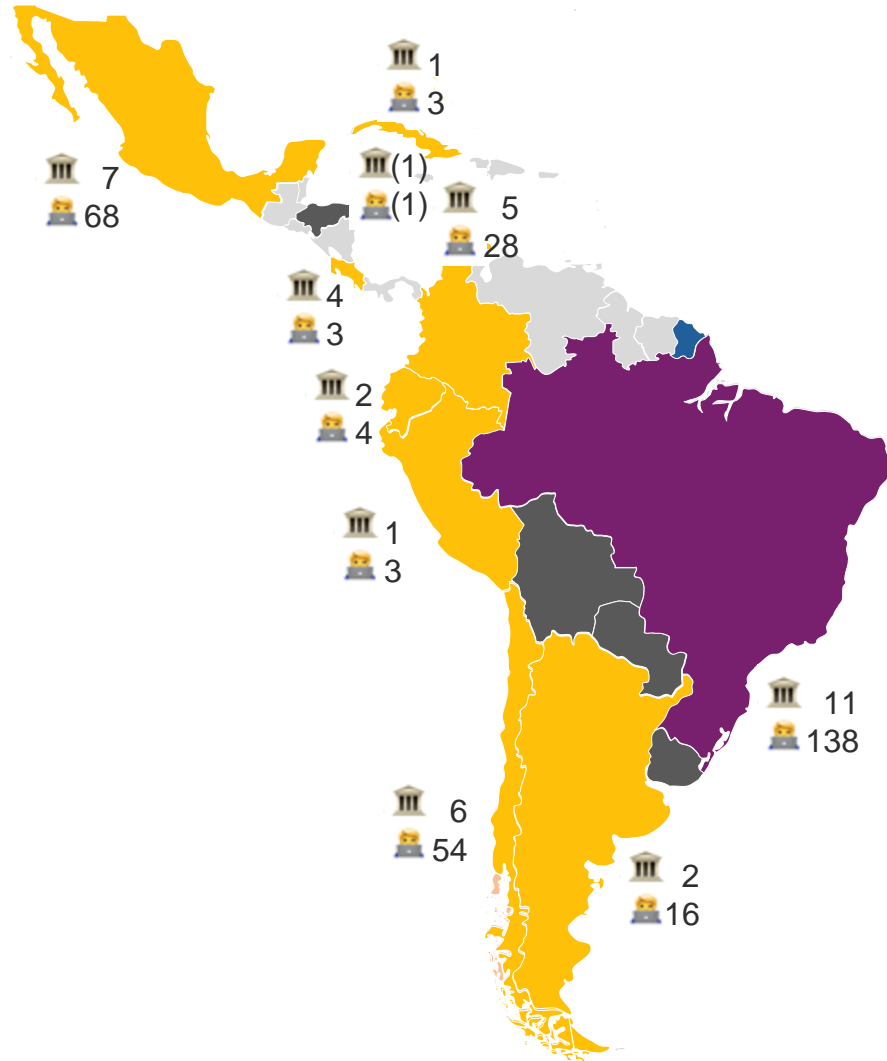
Albania – Algeria – Argentina – Armenia – Australia – Azerbaijan – Bangladesh – Bolivia  
Bosnia and Herzegovina – Canada – Chile – Colombia – Costa Rica – Ecuador – Egypt – Georgia  
Honduras – Iceland – Iran – Jordan – Kazakhstan – Lebanon – Malta – Mexico – Mongolia – Montenegro  
Morocco – Nepal – New Zealand – North Macedonia – Palestine – Paraguay – People's Republic of China  
Peru – Philippines – Qatar – Republic of Korea – Saudi Arabia – Sri Lanka – South Africa – Thailand  
Tunisia – United Arab Emirates – Uruguay - Vietnam



CERN's annual budget: ~1200 MCHF  
(~ medium-sized European university),  
fairly shared by Members and Associates  
(90% discount) according to their economies

Employees (~56% of budget) Dec. '23:  
**2'666** staff (21% ♀), **1'002** fellows/graduate  
Associates Sep. '24:  
**12'726** users, **1'513** other contributors

# Latin America at CERN: institutional participation



Brazil became a CERN Associate Member State in March 2024. Chile is well advanced in this process.

Since the 90's, CERN signed International Cooperation Agreements with 12 countries (including Brazil) and currently in force with: Argentina, Bolivia, Chile, Colombia, Costa Rica, Ecuador, Honduras, Mexico, Paraguay, Peru, Uruguay.

Over 300 'users' from 40 institutes in 10 Latin American countries participate in the CERN experimental programme (2.5% of total) from Argentina, Brazil, Chile, Colombia, Costa Rica, Cuba, Ecuador, Honduras (through Brazil), Mexico, Peru. Opportunities in Guatemala and Uruguay under discussion.

**Argentina:** *Universidad de Buenos Aires, Universidad Nacional de la Plata.*

**Brazil:** *Centro Brasileiro de Pesquisas Físicas, Universidade Federal do Rio de Janeiro, Universidade do Estado do Rio de Janeiro, Universidade Estadual de São Paulo, Universidade Estadual de Campinas, Universidade de São Paulo, Pontifícia Universidade Católica do Rio de Janeiro, Universidade Federal da Bahia, Universidade Federal do ABC, Universidade Federal de Juiz de Fora, Universidade Federal do Rio Grande do Sul*

**Chile:** *Universidad Técnica Federico Santa María, Pontificia Universidad Católica de Chile, Universidad Andrés Bello, Universidad de La Serena, Universidad de Tarapacá, Comisión Chilena de Energía Nuclear*

**Colombia** *Universidad de Antioquia, Universidad Nacional, Universidad Antonio Nariño, Universidad de los Andes and Universidad del Valle*

**Costa Rica:** *Universidad de Costa Rica, Instituto Tecnológico de Costa Rica, Universidad Nacional, Universidad Estatal a Distancia, Universidad Técnica Nacional*

**Cuba:** *Centro de Aplicaciones Tecnológicas y Desarrollo Nuclear*

**Ecuador:** *Universidad San Francisco de Quito, Escuela Politécnica Nacional*

**Mexico:** *Benemérita Universidad Autónoma de Puebla, Centro de Investigación y de Estudios Avanzados, Universidad Nacional Autónoma, Universidad Iberoamericana, Universidad Autónoma de San Luis Potosí, Universidad Autónoma de Sinaloa, Universidad de Sonora*

**Peru:** *Pontificia Universidad Católica de Perú*

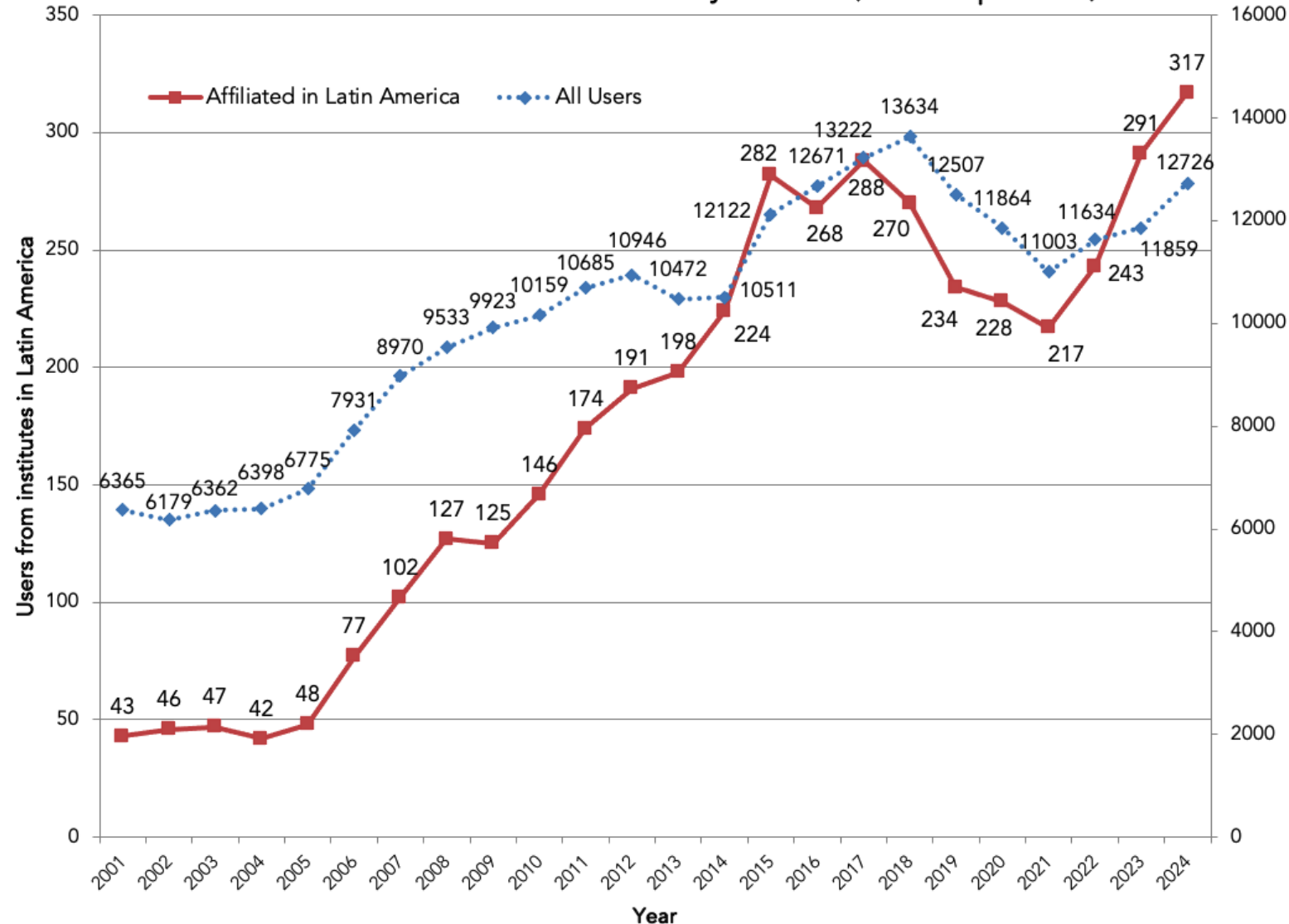
'Users' are Researchers & technologists visiting CERN for >5% of their working time over a 5-year window. Local communities are in reality ~3-5 times larger (e.g. graduate students, engineers participating remotely)

# CERN Users (from Latin American institutes)

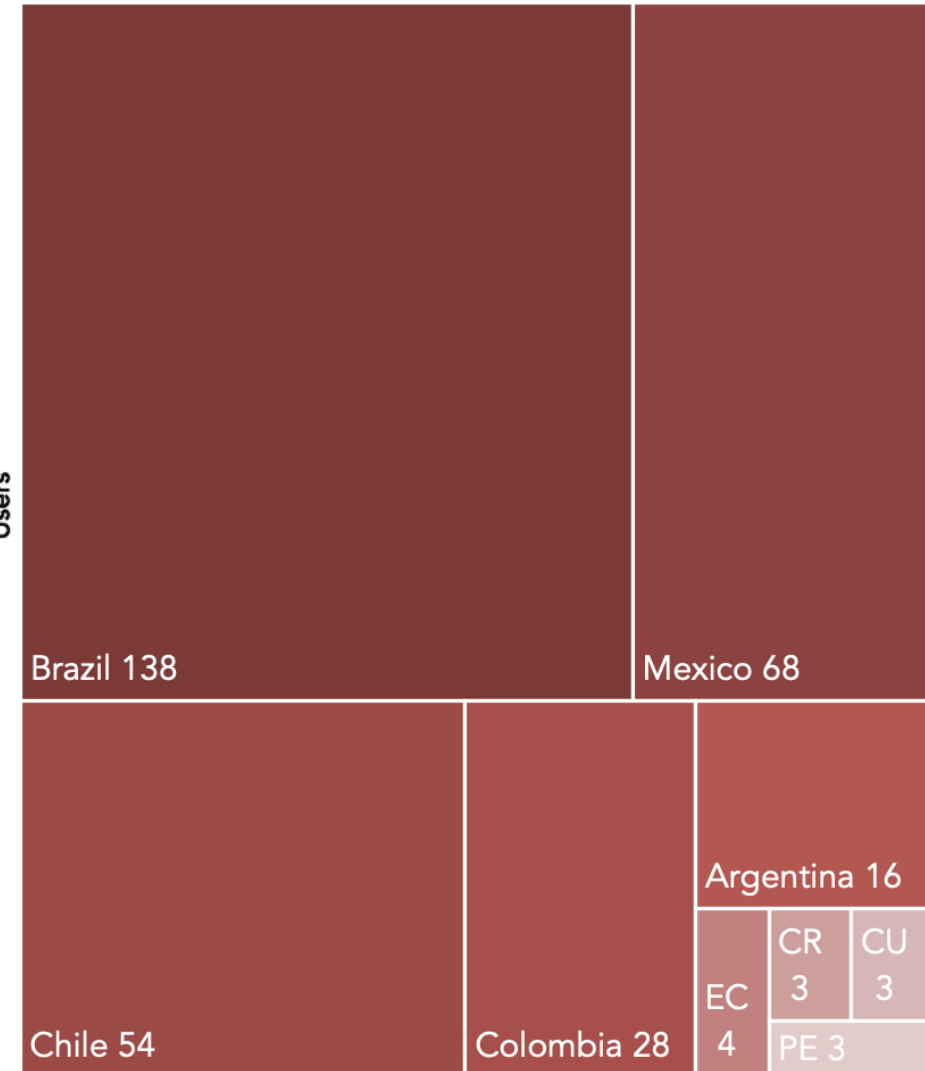
Students, Researchers & Technologists visiting for >5% of their working time over a 5-year window.

Local communities (Especially in Latin America) ~3-5 times larger: (under-)graduate students, engineers participating remotely/locally

Number of CERN Users at years' end (2024=September)



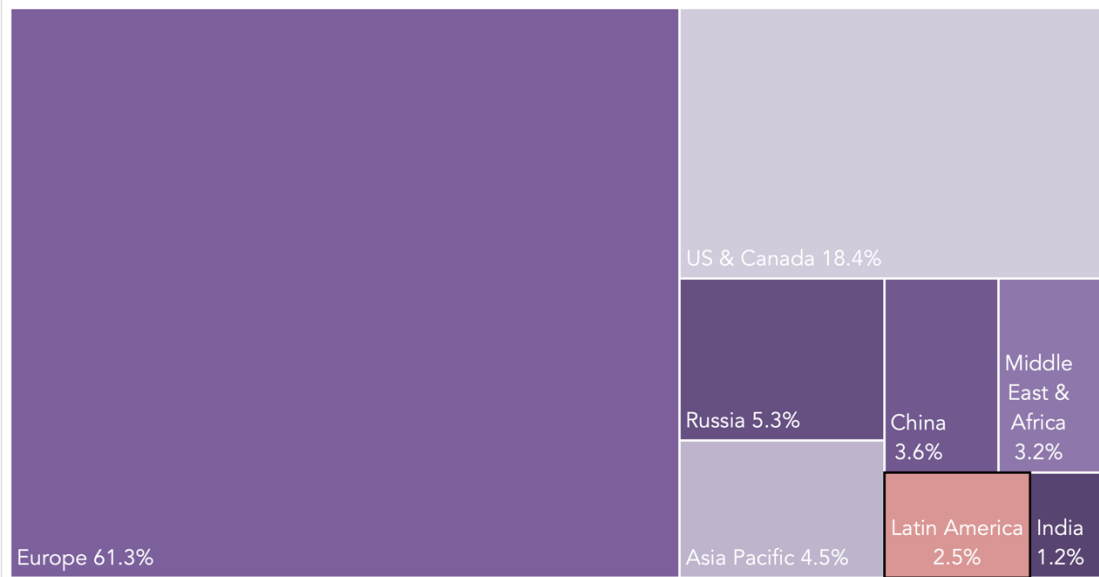
CERN Latin American Users by location of home institute



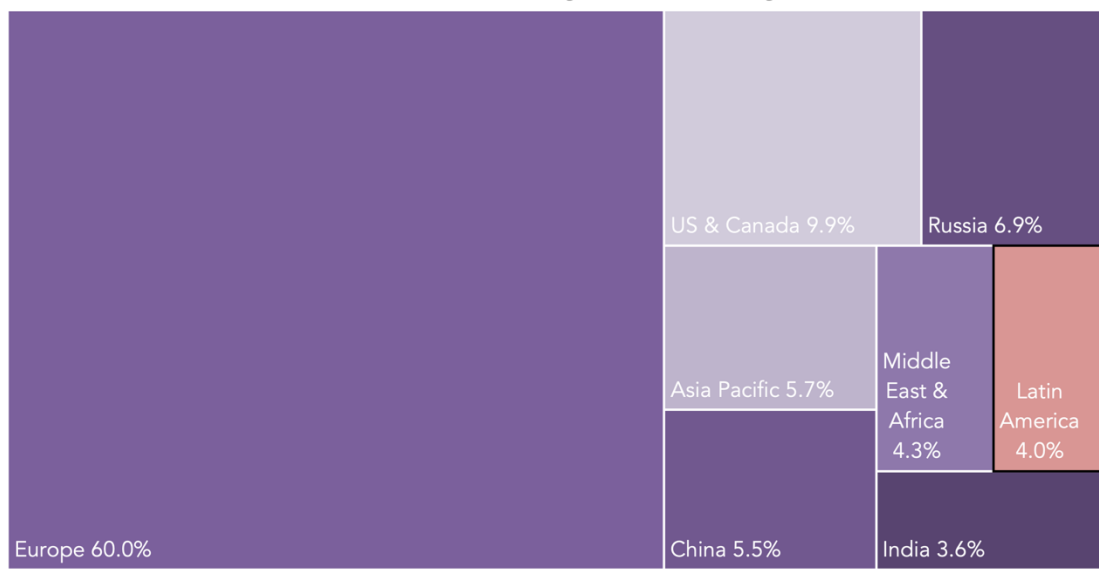


30% of 12'726 CERN Users are affiliated in a country other than their nationality.  
47% of Latin American nationals are affiliated in a country other than their nationality  
11% of Users in Latin American institutes are not Latin American nationals.

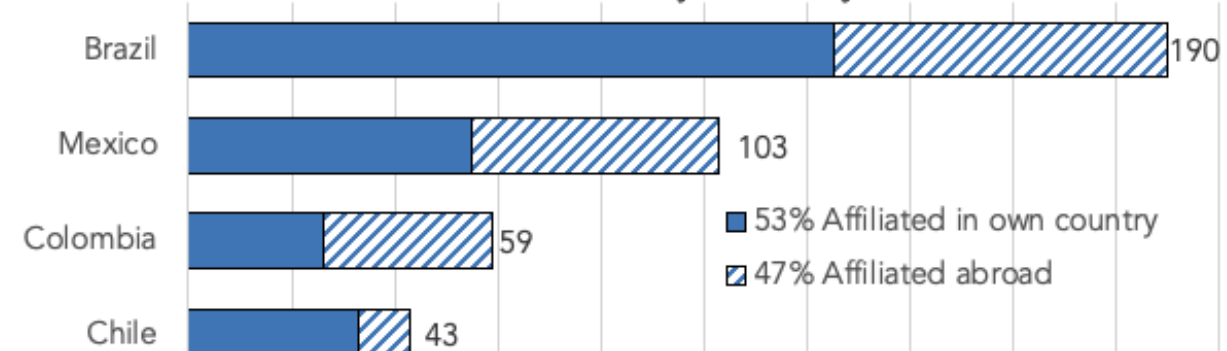
CERN Users by location of home institute



CERN Users by Nationality



Latin American CERN Users by Nationality and Affiliation



Affiliation of Latin American CERN Users (if different from Nationality)

