



Brazilian Teachers and CERN: Past, Present, and Future

PRESENTATION TO THE CERN TEACHER AND STUDENT FORUM

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Introduction

In 2023, Brazil became an Associate Member State of CERN

It marks a new era of engagement

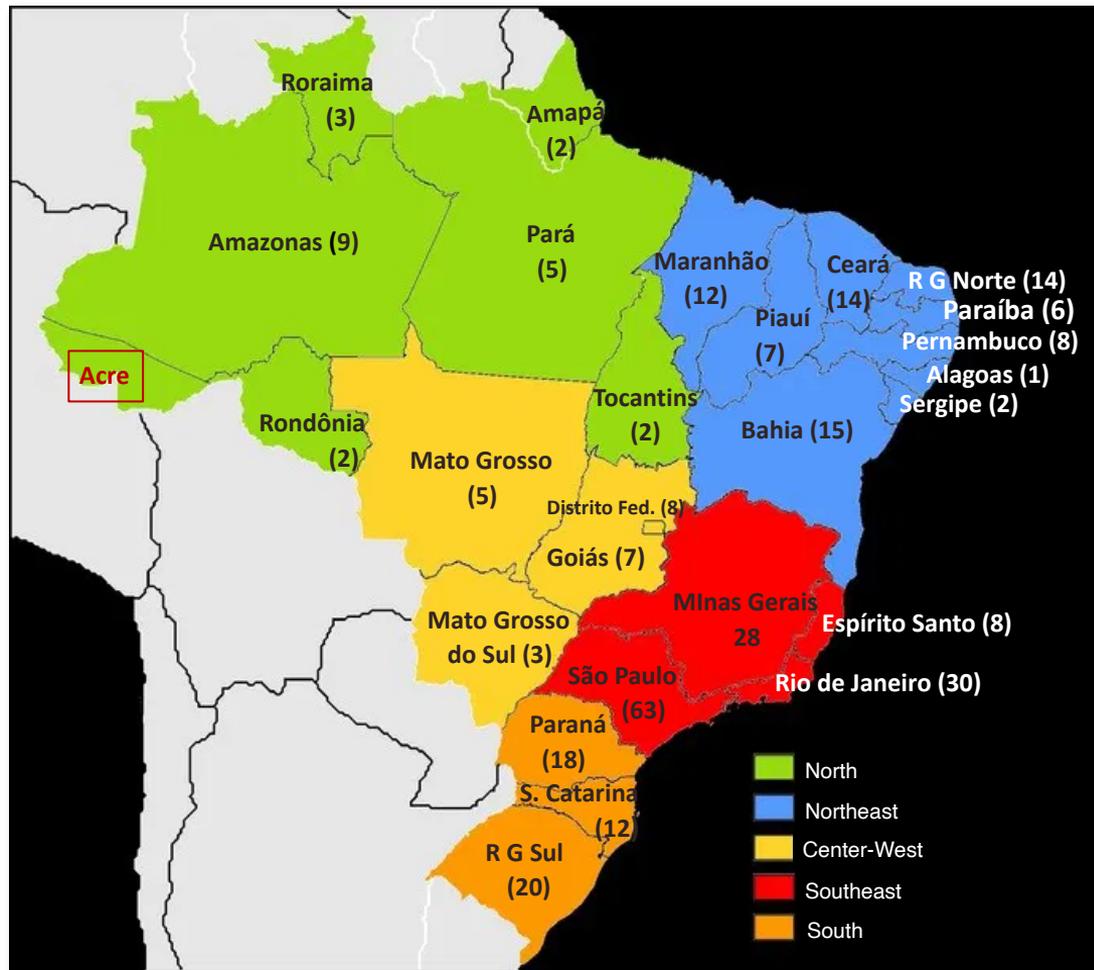
- ❑ For over a decade, Brazilian research groups in all LHC experiments have also promoted outreach activities, including
 - Participation in the International Masterclass (since 2009)
 - Hands-on workshops for high school teachers and undergraduate students
 - Development of science museum exhibits and educational games
 - Gender inclusion initiatives (e.g. Masterclass for Girls since 2017)
- ❑ Now Brazil has a representative in the IPPOG Forum

Brazilian Participation in Portuguese-Language Schools

Estado	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2022	2023	2024	TOTAL
AC																0
AL								1								1
AM			1	1	1	1					1	1	2		1	9
AP								1	1							2
BA		1	1	1	2	1	2	1		2		1	2	1		15
CE				1	2	2	1	1		1	2		1	1	2	14
DF					1	1			2	1	1			2		8
ES				1			1	1		1	2		1	1		8
GO		2			1	2					1	1				7
MA					1	2	2			1	1	1	1		3	12
MG			1	3	1	3	2	1	2	3	3	3	2	2	2	28
MS					1		1			1						3
MT				1				1	1				1		1	5
PA				1									1	2	1	5
PB						1	2						2		1	6
PE				1	1			1		2	2				1	8
PI					1	1	1			2		1	1			7
PR		2	2	2	2	2	2	1	1		1	1	1	1	1	18
RJ	1	3	5	2	4	2	3	1	2	1	2	2		1	1	30
RN		1	1		3	1	3	1		1		1	1	1		14
RO									1						1	2
RR					1		1		1							3
RS		1	2	2	1	4	2	3	2	1	1	1				20
SC		1				2	1	2	2	1	1		1		1	12
SE										2						2
SP			7	4	6	6	6	6	5		2	7	2	8	4	63
TO					1								1			2
Total	1	11	20	20	30	31	30	22	20	305						

Nationwide Brazilian Teachers at CERN

*Distribution of former
participant teachers
among the states,
in each of the five
regions of the country*



Brazil's New Role and the Road Ahead

The Associate Membership status allows Brazil to organize its own Teachers School at CERN.

Brazilian capital with flights to Geneva (one stop in Europe)

□ Several challenges remain:

- Logistics

- The trips to CERN are expensive and requires a detailed organization

- Funding

- Previous support (2013–2017) by **CAPES**
- Teachers self-funded (2018—...)
- Recent efforts to restore support through CNPq, CAPES, through SBF



Looking Ahead: 2025 and Beyond

In 2025

- ❑ 20 Brazilian teachers will attend the Portuguese-Language CERN School.
 - We thank Pedro Abreu and the Portugal's organization support

In 2026

- ❑ Our first exclusive Brazilian Teachers School at CERN
- ❑ Application for funding to Brazilian teachers
 - Memorandum sent to CNPq, CAPES via the Brazilian Physical Society
- ❑ Ongoing coordination with Jeff Wiener at CERN (responsible for the schools)

Plans for the 1st Brazilian School in 2026

Date: April 2026

Teachers: 24 to start, selected from across Brazil

Program

- ❑ lectures, visits around CERN and experiments, and workshops
 - Emphasis on hands-on workshops to meet needs of Brazilian teachers
- ❑ Bring Brazilian speakers

THANK YOU!



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