



FINNISH NATIONAL  
AGENCY FOR EDUCATION

# Araucária Foundation

## ST&I Funding Agency of Paraná State

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October 4th, 2024. Finland



*Campus da Indústria, em Curitiba, onde está a sede da Fundação Araucária*



# Who we are: Paraná



PARANÁ IS THE STATE WITH THE 4TH HIGHEST GDP IN BRAZIL.

Workforce two times more productive when compared to other Brazilian states

The 2nd largest technological innovation hub in Brazil

The best utility companies in the country (sanitation and power supply)

The best investment strategy of South America (Financial Times)



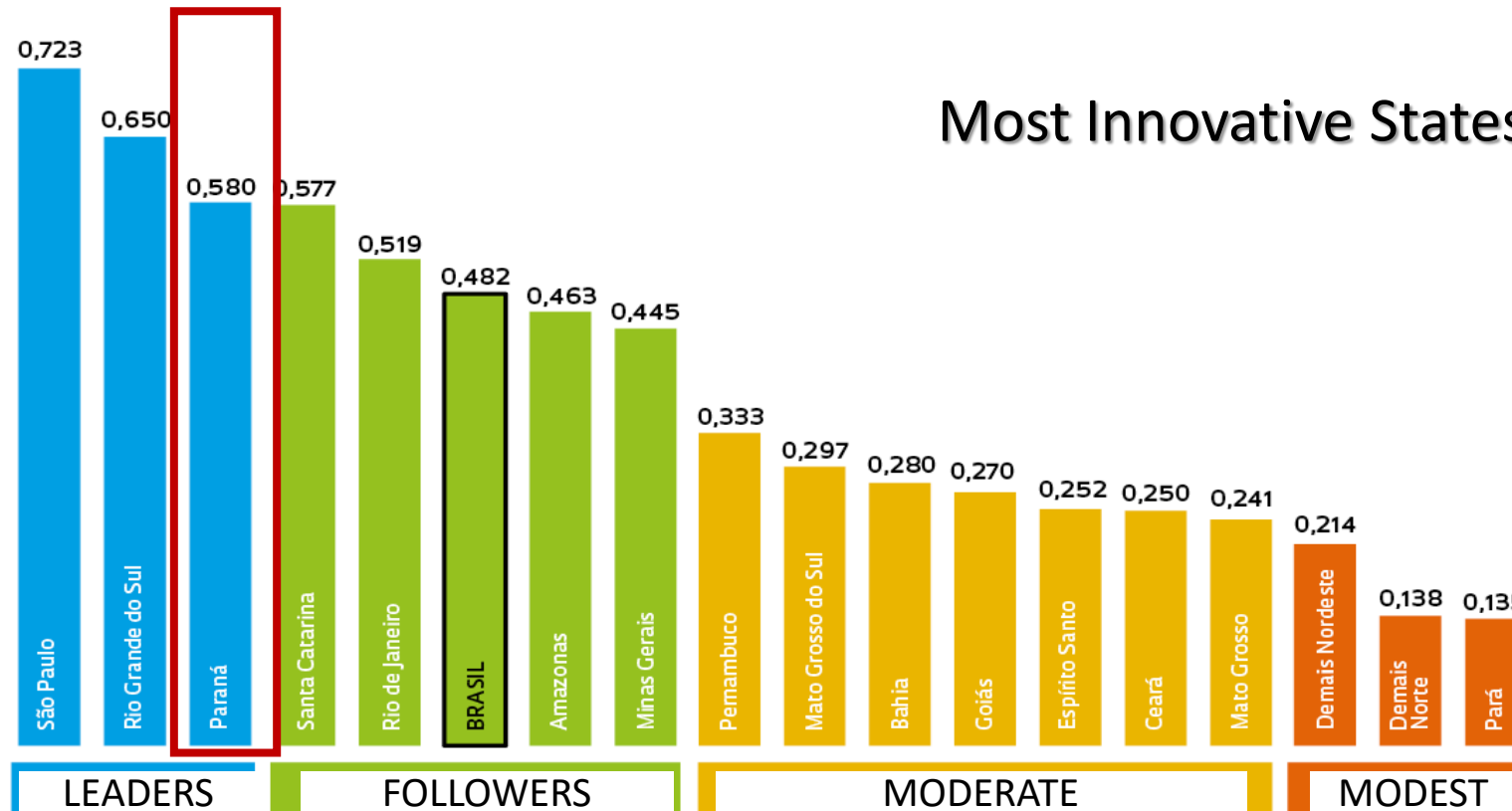
# Who we are: Paraná

PRIVILEGED LOCATION, WITH EASY ACCESS TO 264 MILLION CONSUMERS IN THE MERCOSUR.

The best access to MERCOSUR (US\$ 2.49 trillion GDP market)



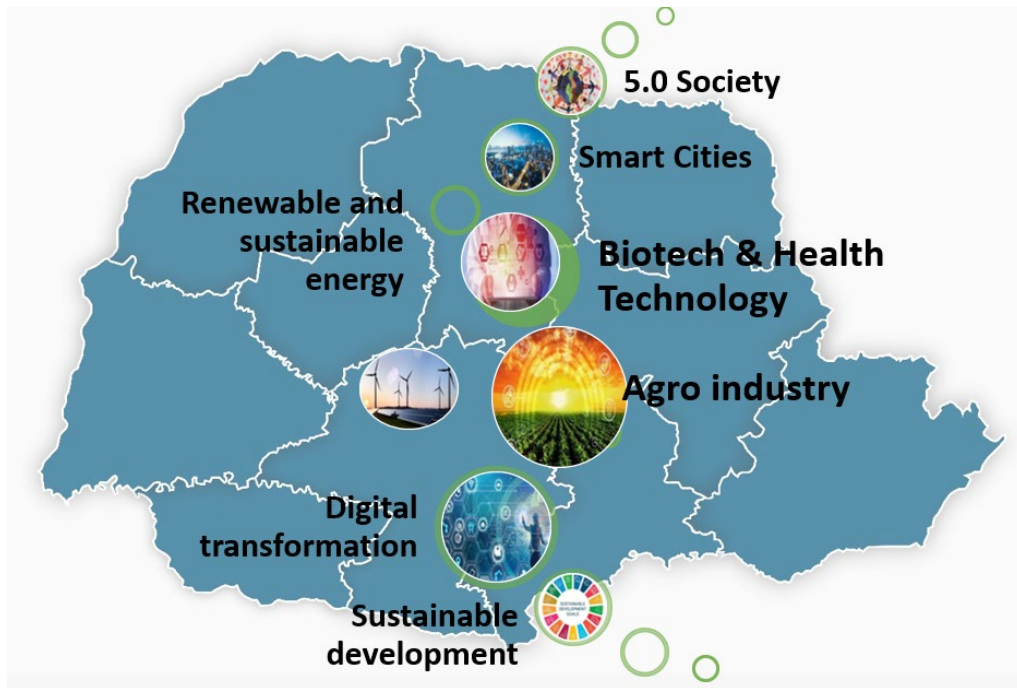
# Who we are: Paraná



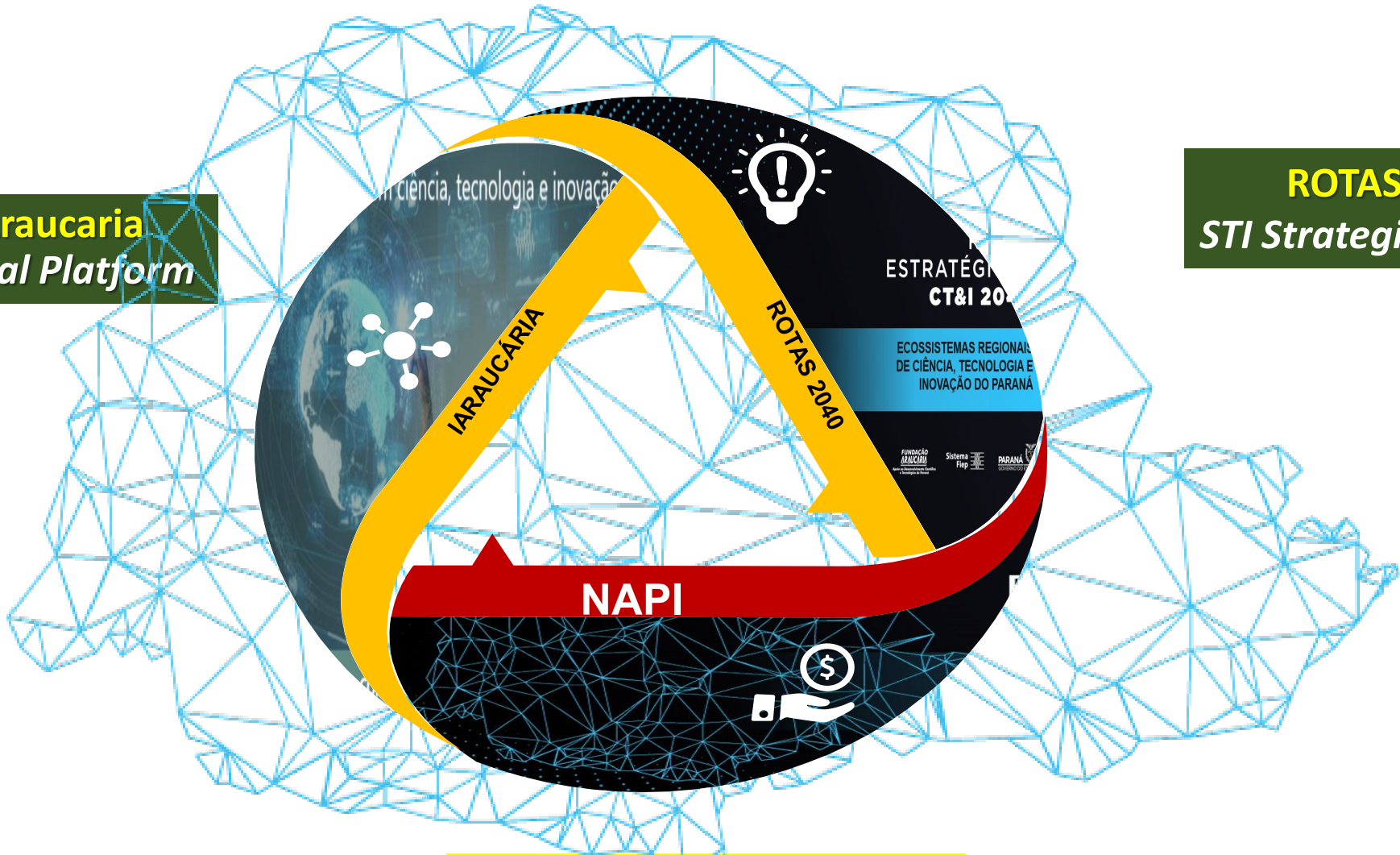
FONTES DANIELA SCARPA BENELI / ICEI



# The Strategic Plan : key points



**I Araucaria**  
*Digital Platform*



**ROTAS 2040**  
*STI Strategic Planning*

**NAPI**  
*R&D Cooperation Network*

# Our Strategy

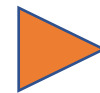
## NAPIs : Novos Arranjos de Pesquisa e Inovação (New R&D Arrangements)

### A sociotechnical approach.

Improve mobilization and integration.

Focus on creation of wealth and well-being.

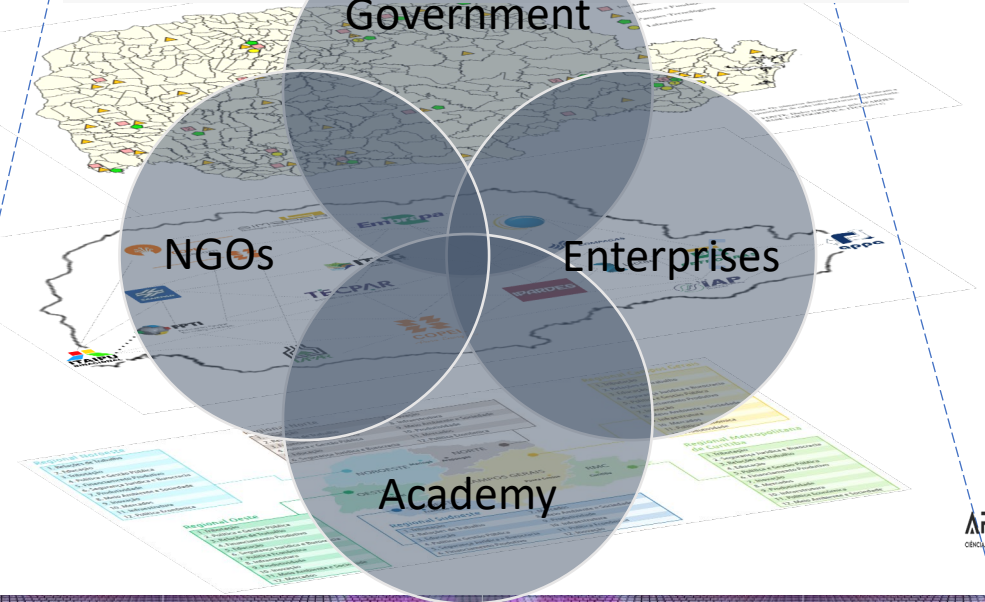
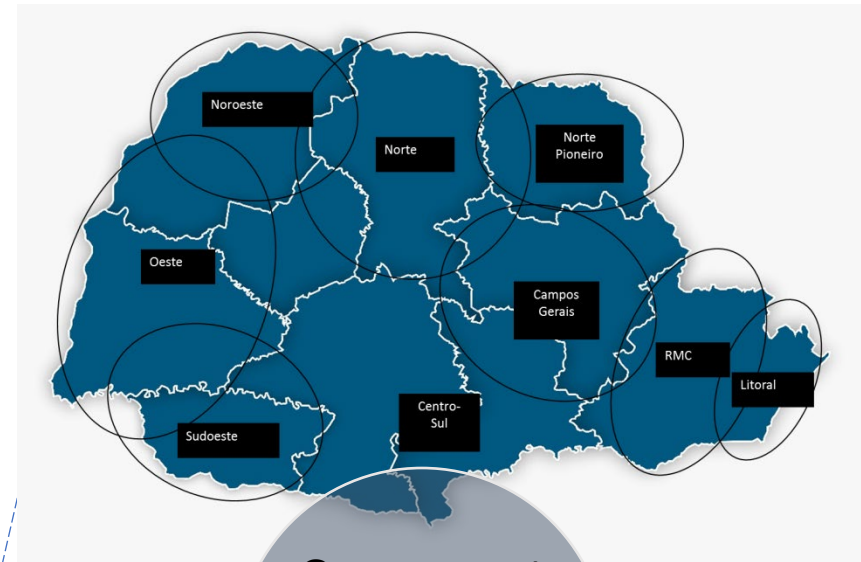
Better ROI in R&D.



Regions and assets

Innovation Agenda of State Leaders

Development Key-factors



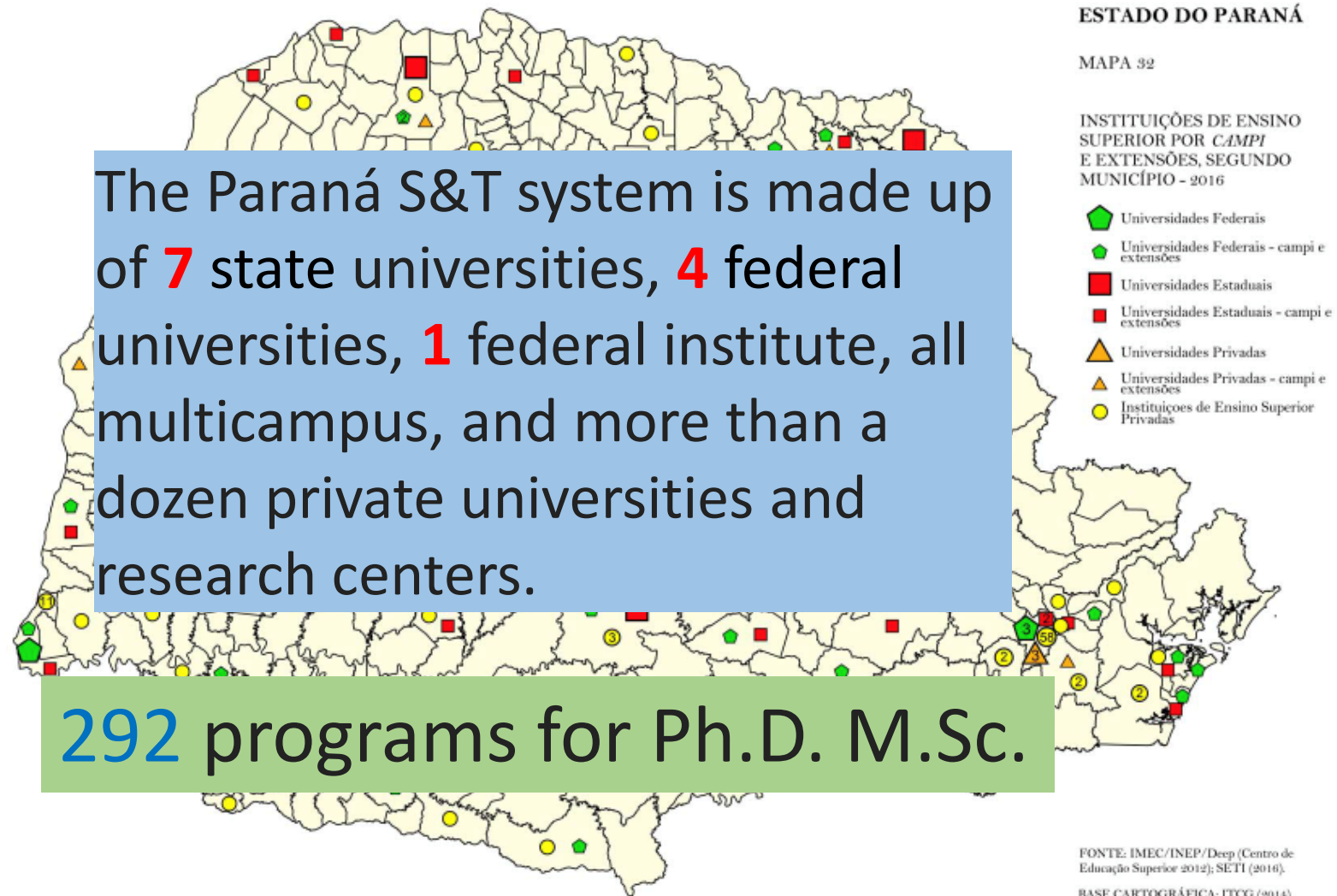


# Regions and Assets

## S&T Infrastructure

The Paraná S&T system is made up of **7** state universities, **4** federal universities, **1** federal institute, all multicampus, and more than a dozen private universities and research centers.

**292** programs for Ph.D. M.Sc.

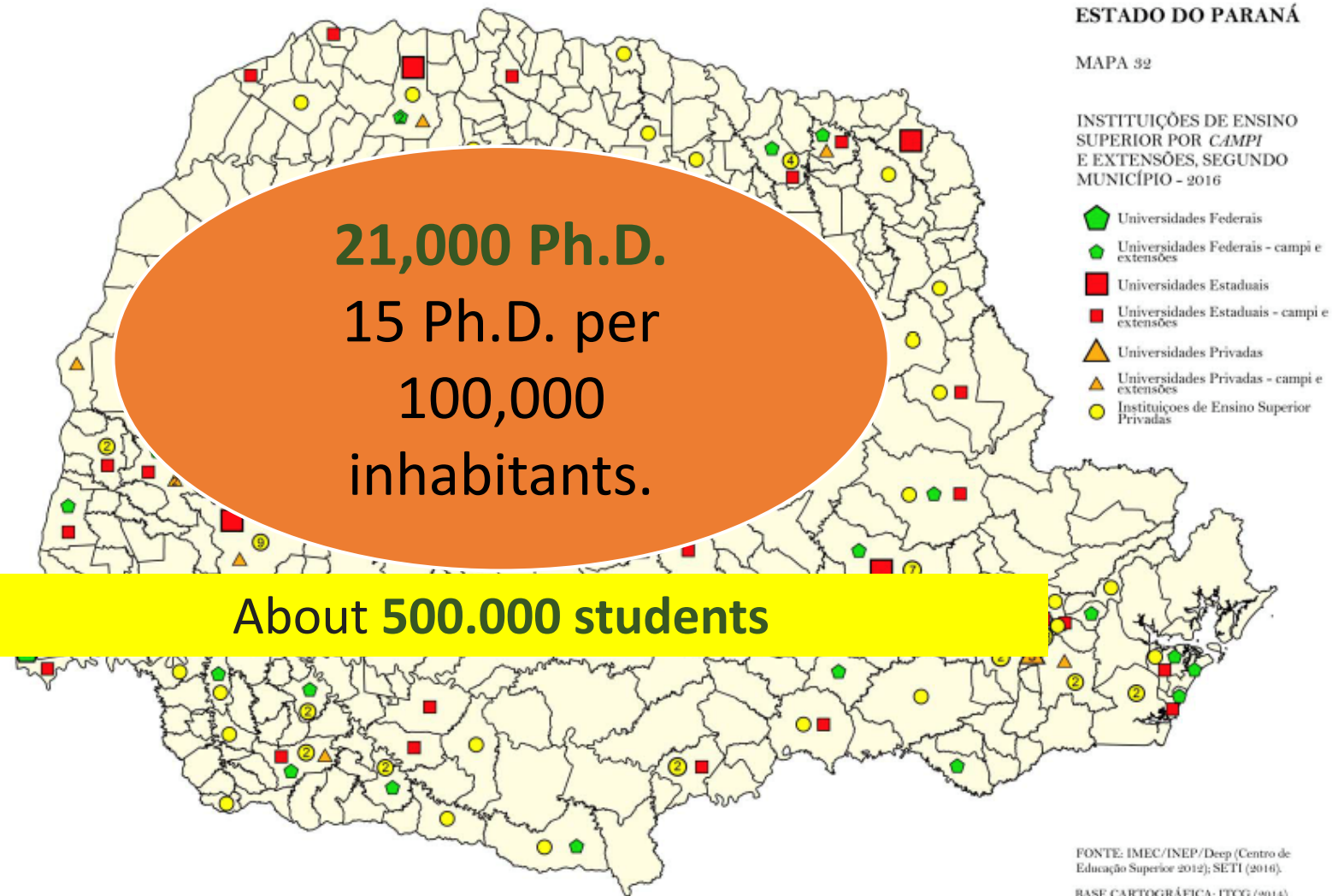


FONTE: IMEC/INEP/Deep (Centro de Educação Superior 2012); SETI (2016).  
BASE CARTOGRÁFICA: ITCG (2014)



# Regions and Assets

## Intellectual Capital



# Regions and Assets

## Intellectual Capital

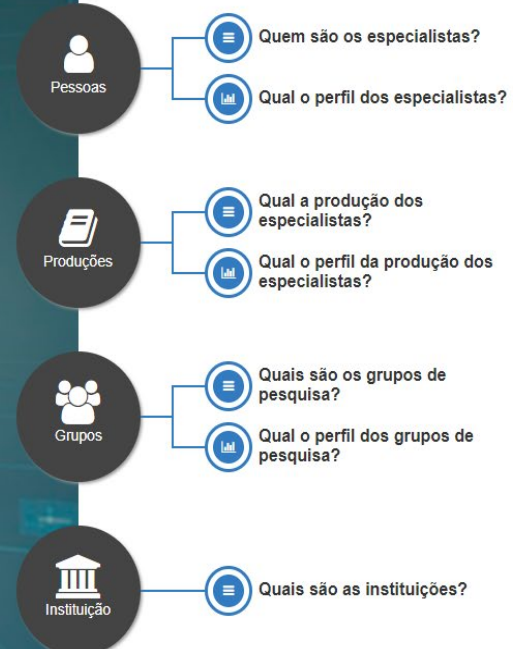
- Education: 1.922
- Artificial Intelligence : 1.379
- Reweable energy: 685
- Agriculture/Agribusiness: 6.671
- Sustainable Development: 3.744
- Biotechnology: 4.030
- Genomics: 818



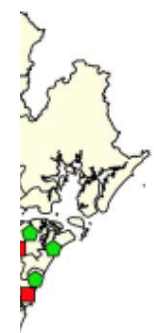
### ESTADO DO PARANÁ

MAPA 32

**ESPECIALIDADES DE ENSINO POR CAMPUS, SEGUNDO TIPO DE INSTITUIÇÃO DE ENSINO SUPERIOR - 2016**



Instituições Federais  
 Instituições Federais - campi e centros  
 Instituições Estaduais  
 Instituições Estaduais - campi e centros  
 Instituições Privadas  
 Instituições Privadas - campi e centros  
 Instituições de Ensino Superior



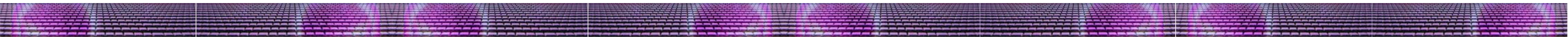
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ARAUCARIA

FONTE: IMEC/INEP/Deep (Centro de Educação Superior 2012); SETI (2016).  
 BASE CARTOGRÁFICA: ITCG (2014)



# Education System in Brazil



# LDB - LAW 9.394/1996

The State must guarantee this:

I . COMPULSORY AND FREE BASIC EDUCATION FROM 4 TO 17 YEARS OF AGE

II. FREE EARLY CHILDHOOD EDUCATION FOR CHILDREN UP TO 5 YEARS OLD

III. FREE SPECIALIZED EDUCATIONAL CARE FOR STUDENTS WITH DISABILITIES AND OTHER SPECIAL NEEDS AT ALL LEVELS, STAGES AND MODALITIES

IV. FREE PUBLIC ACCESS TO PRIMARY AND SECONDARY EDUCATION FOR ALL THOSE WHO DID NOT COMPLETE IT AT THE PROPER AGE

V. OFFER REGULAR SCHOOL EDUCATION FOR YOUNG PEOPLE AND ADULTS, WITH CHARACTERISTICS AND MODALITIES SUITED TO THEIR NEEDS AND AVAILABILITY

VI. SUPPORT FOR EDUCATION THROUGH SUPPLEMENTARY PROGRAMS FOR TEACHING MATERIALS, TRANSPORTATION, FOOD AND HEALTH CARE



# A QUICK STEP BACK

## The structure of the education system

Education is a social right in Brazil and the country's Federal Constitution guarantees **access to free public education at all levels.**

Brazil divides its education system into **basic and higher education levels.**

The basic level includes: early childhood education (ISCED 0, and in Portuguese, *ensino infantil*); primary and lower secondary education (ISCED 1 and 2, also known in the country as elementary education, and in Portuguese, *ensino fundamental*); and upper secondary education (ISCED 3, and in Portuguese, *ensino médio*)

**Compulsory education starts at the age of four**, in pre-school education, and lasts 14 years, up until the end of upper secondary education.

Source: OECD, 2021

Source: OECD, 2021



**2103** Active Schools  
**1.15** Million Enrollments  
**940,000** Students  
**49** Vocational Courses

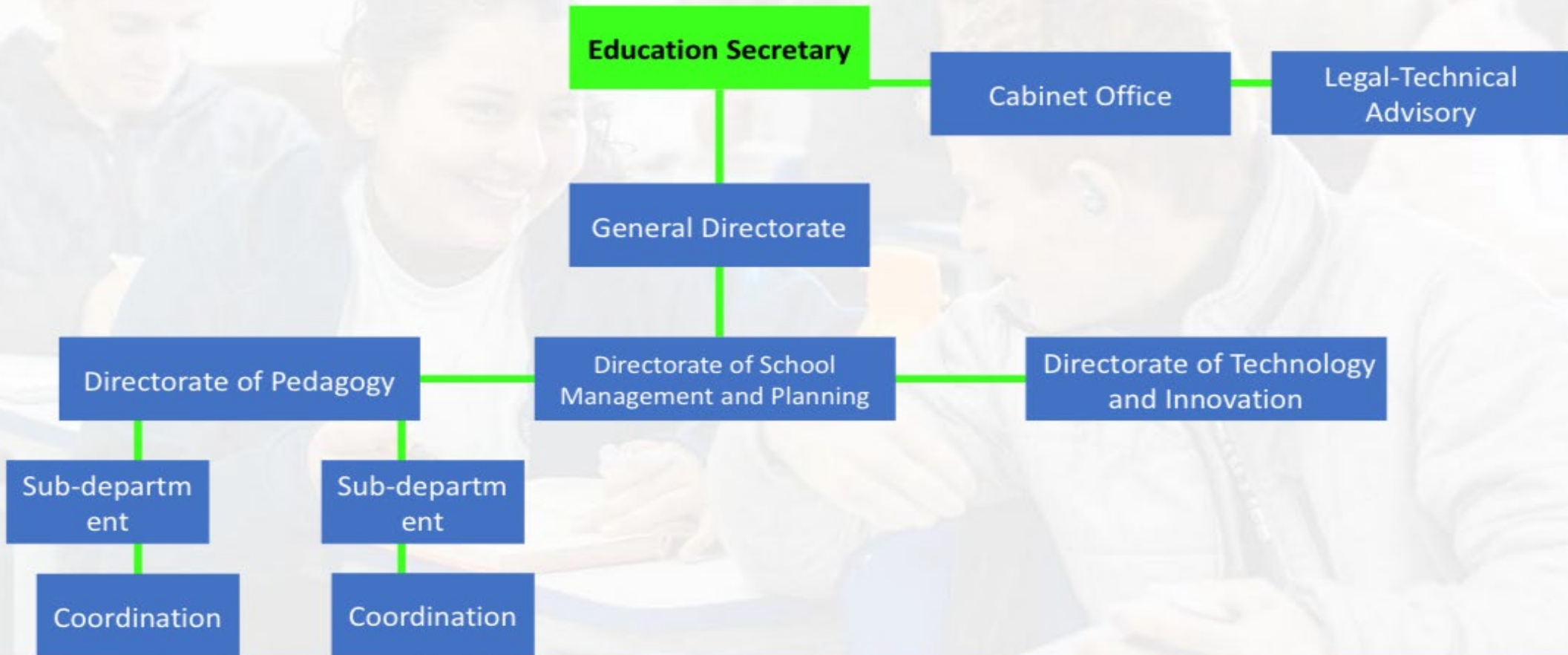
**Enrollment Numbers by Stage and Type of Education Modality**

Preschool	Elementary School Early Years	Elementary School Later Years	High School	Subsequent School	Youth and Adult Education (EJA)	Programs
<b>900</b>	<b>3.088</b>	<b>521.562</b>	<b>364.637</b>	<b>15.844</b>	<b>65.481</b>	<b>186.365</b>

SEED/DPGE/DGDE - Gestão de Dados Educacionais



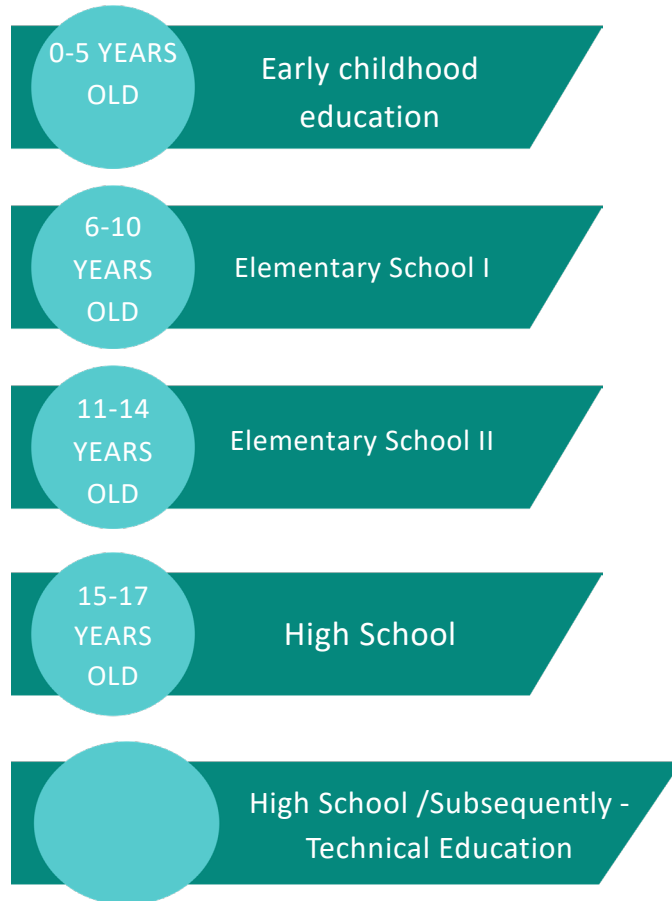
# PARANÁ'S ORGANIZATIONAL STRUCTURE



**\*This is a simplified representation of the State Department's organizational division, and it does not reflect the legal and formal hierarchical structure**

## Education System in Brazil

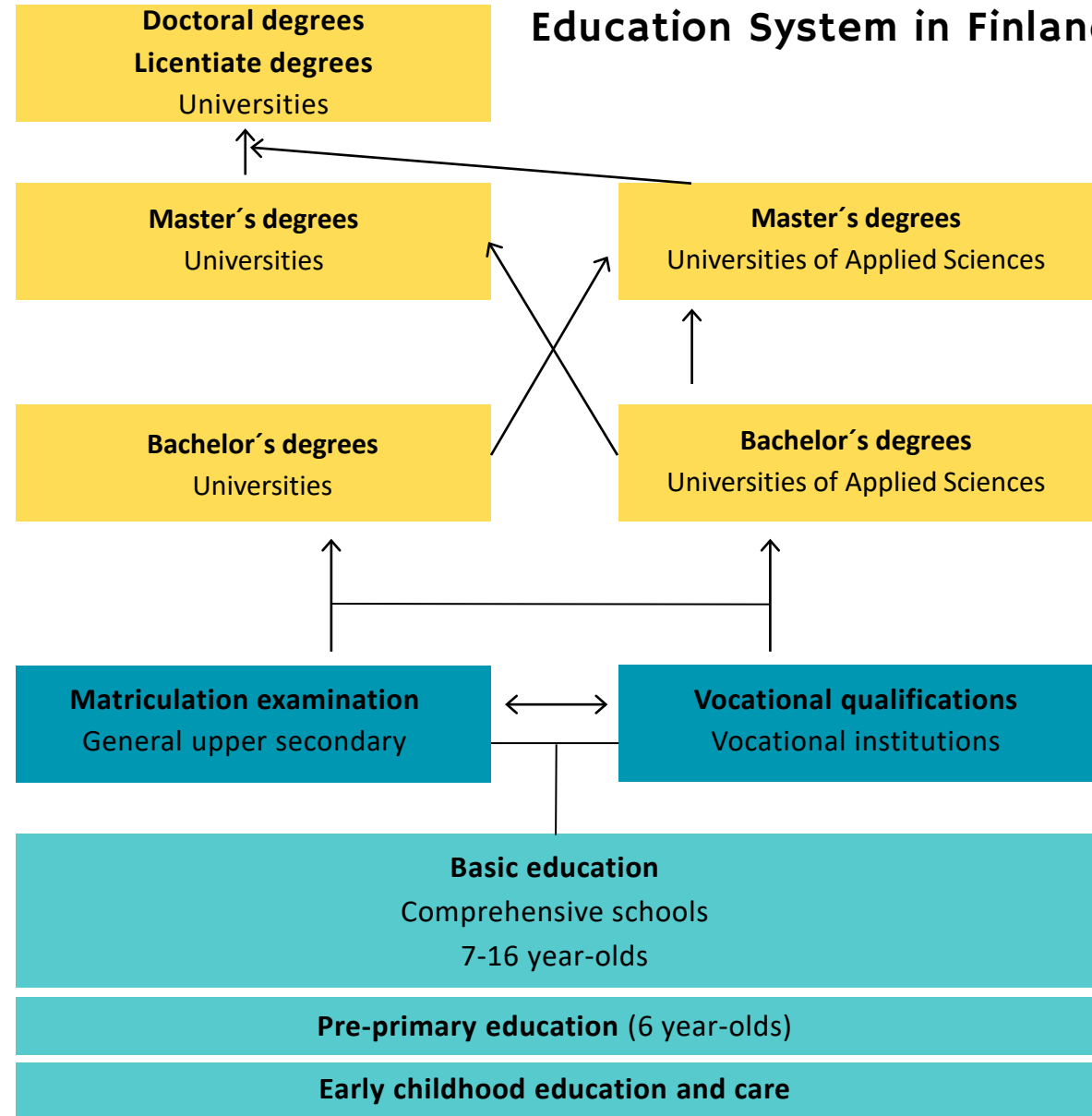
### Basic Education



### University Education



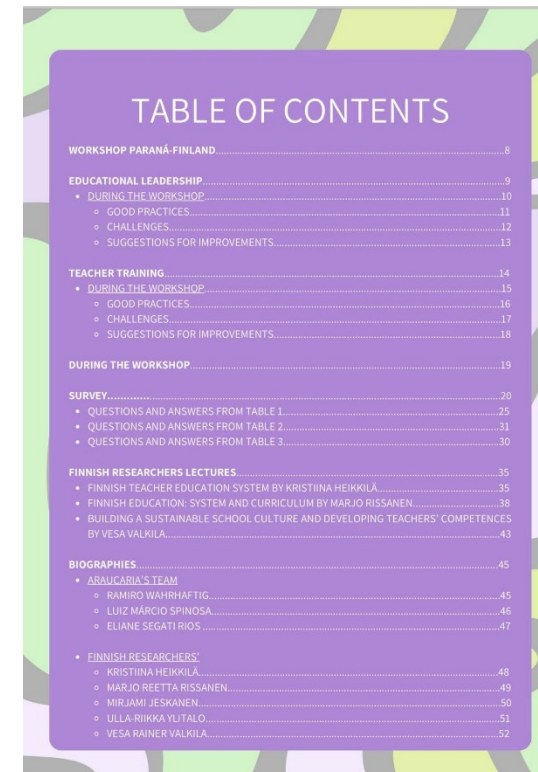
## Education System in Finland



# Finland & Araucaria Foundation Partnership Education based on research and evidence

## FASE I

- Context: Workshop on "School management practices and didactic competencies";
- Target Audience: Educational leaders: school administrators (principals) and teachers;
- Promoters: Araucaria Foundation, FINCEED, and the University of Turku - Participation of Finnish education specialists to collaborate on the professional development of educators and administrators;
- Objective: To understand and present research and intervention proposals for the qualification of initial and continuing teacher training, as well as educational management.



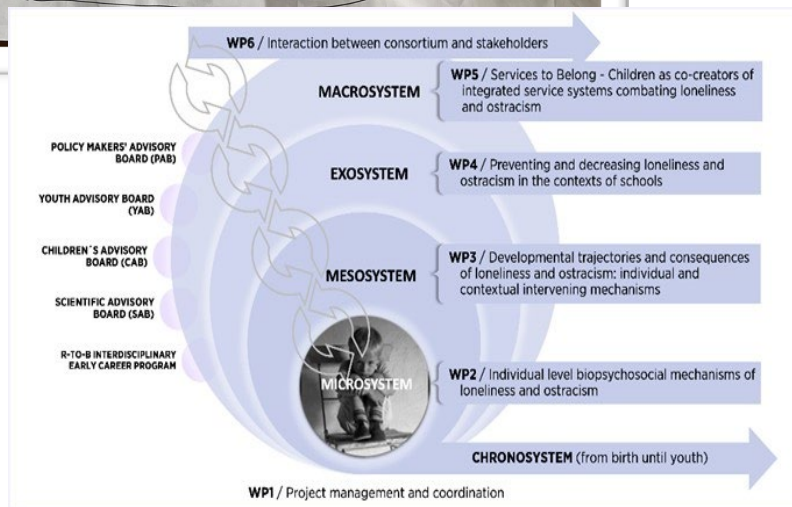
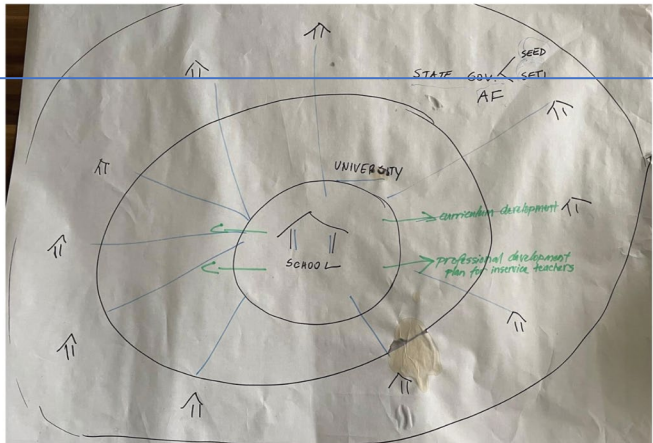
The image shows a 'TABLE OF CONTENTS' page with a purple background and white text. The table lists various sections and their corresponding page numbers, including sub-sections for workshops, teacher training, surveys, lectures, and biographies.

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# Finland & Araucaria Foundation Partnership Education based on research and evidence

## Fase II - Proposal



Pilot Program: University-school partnership;



Concept of a pilot school (in-service training hub) – a model to be replicated in other municipalities;



Continuing education based on research and evidence (teacher autonomy);



Training of school administrators (in partnership with the needs of teachers and students);

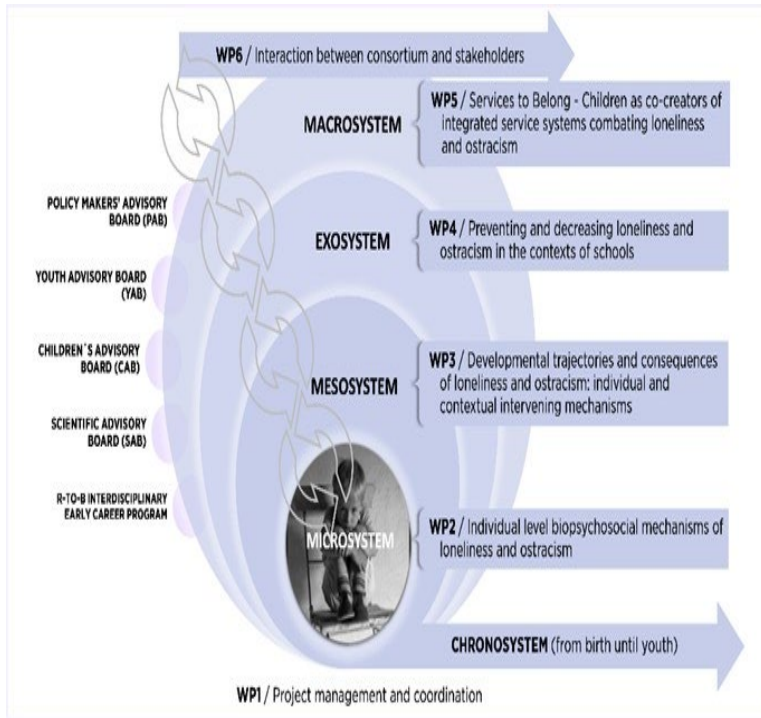


Implementation of an integrated curriculum;



Monitoring of interventions by researchers from Paraná and Finland.

# Bronfenbrenner's Ecological Systems Theory

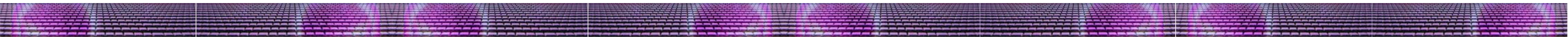


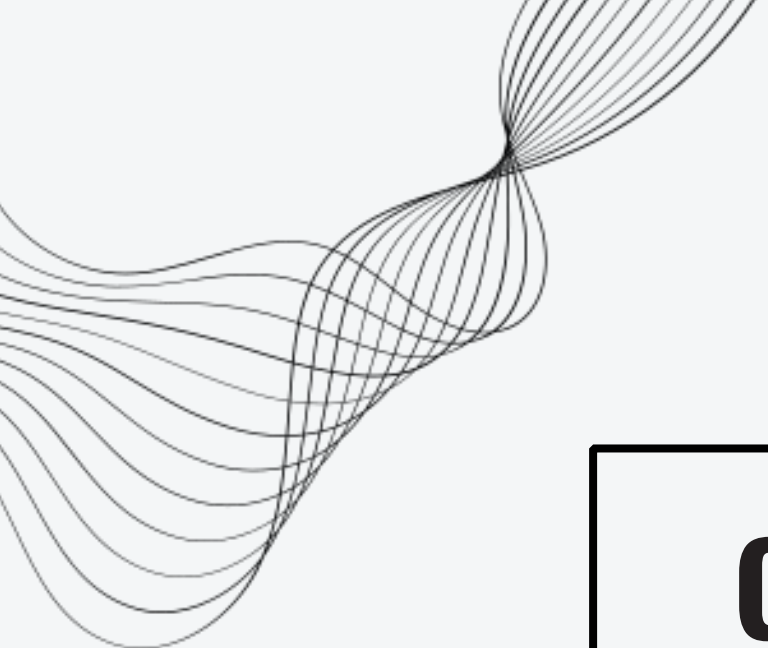
- Bronfenbrenner's Ecological Systems Theory
- Different levels of context that influence the development of young people.
- **Impacts and Expected Outcomes:**
- Identify and propose initial and continuing teacher training programs that meet the current demands of the emerging young society;
- Propose initial and continuing training programs based on research and evidence;
- Qualify educational management in an integrated way with the school, social, and family context;
- Provide a more autonomous and meaningful school education;
- Identify and develop educational innovations for dynamic and meaningful learning environments.

Bronfenbrenner's Ecological System Theory in the Right to Belong research project (<https://righttobelong.fi/en/>) by professor Niina Junttila (University of Turku)



# Ganhando o Mundo da Ciência Mobility Program





# **GANHANDO O MUNDO DA CIÊNCIA**

**PRESENTED BY ELIANE SEGATI RIOS**

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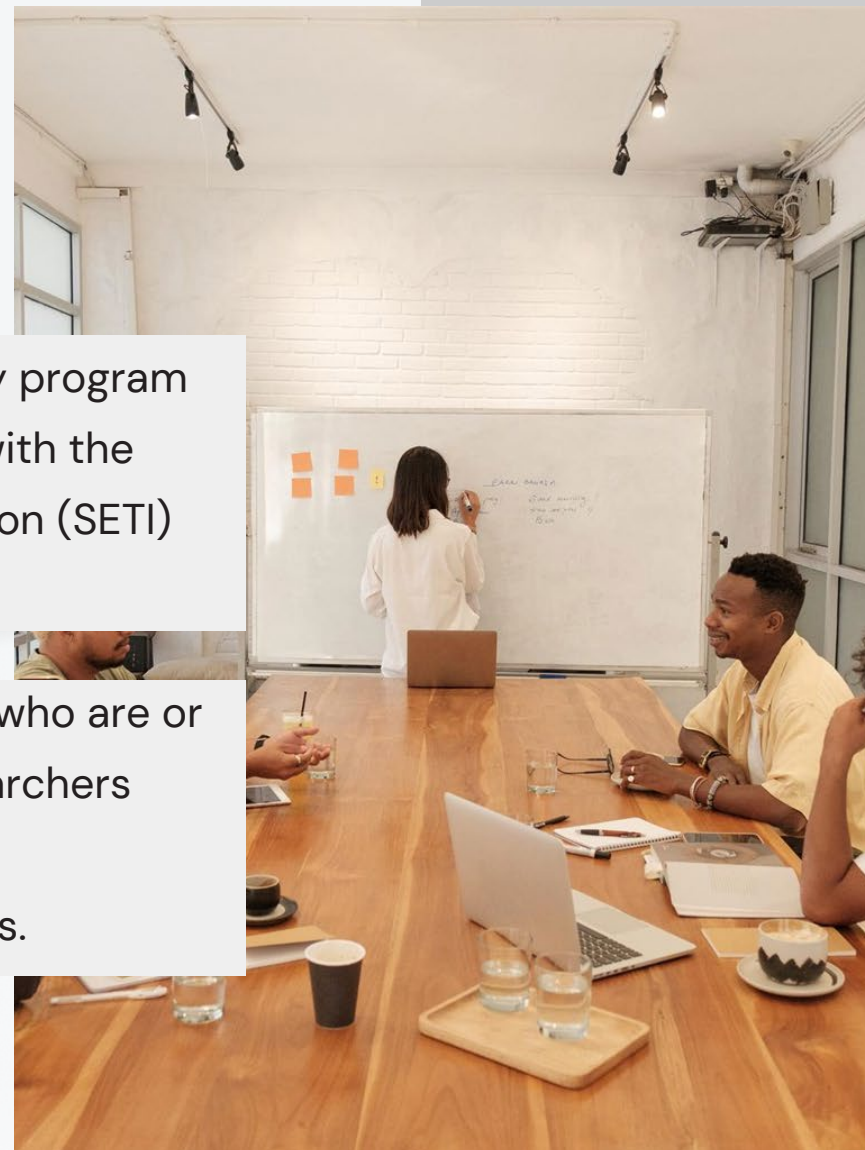
# BUT WHAT IS GANHANDO O MUNDO DA CIÊNCIA?



Ganhando o Mundo da Ciência is an academic mobility program managed by the Araucária Foundation in partnership with the Secretariat of Science, Technology, and Higher Education (SETI) of the State of Paraná.



The program aims to provide undergraduate students who are or have been in a Scientific Initiation internship, and researchers from the state of Paraná, the opportunity to undertake international mobility for a period of up to eight months.



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PROGRAMA  
**GANHANDO  
O MUNDO  
CIÊNCIA**

# AND WHO CAN PARTICIPATE IN THE PROGRAM?

1

Undergraduate students in the state of Paraná who are currently or have previously been scientific initiation students.

2

Postgraduate students enrolled in a master's or doctoral program at one of the higher education institutions (HEIs) in the state of Paraná.

3

Postdoctoral researchers, teaching interns at a higher education institution in Paraná, or permanent professors at one of the HEIs in the state.



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# HOW DOES THE PROGRAM WORK?

Step-by-step to become a partner university:





# STEP-BY-STEP AFTER THE PARTNERSHIP IS ESTABLISHED:

Publication of the Araucaria Notice – An announcement will be made on the Araucária Foundation's page along with the application call. From there, eligible and interested students can register;



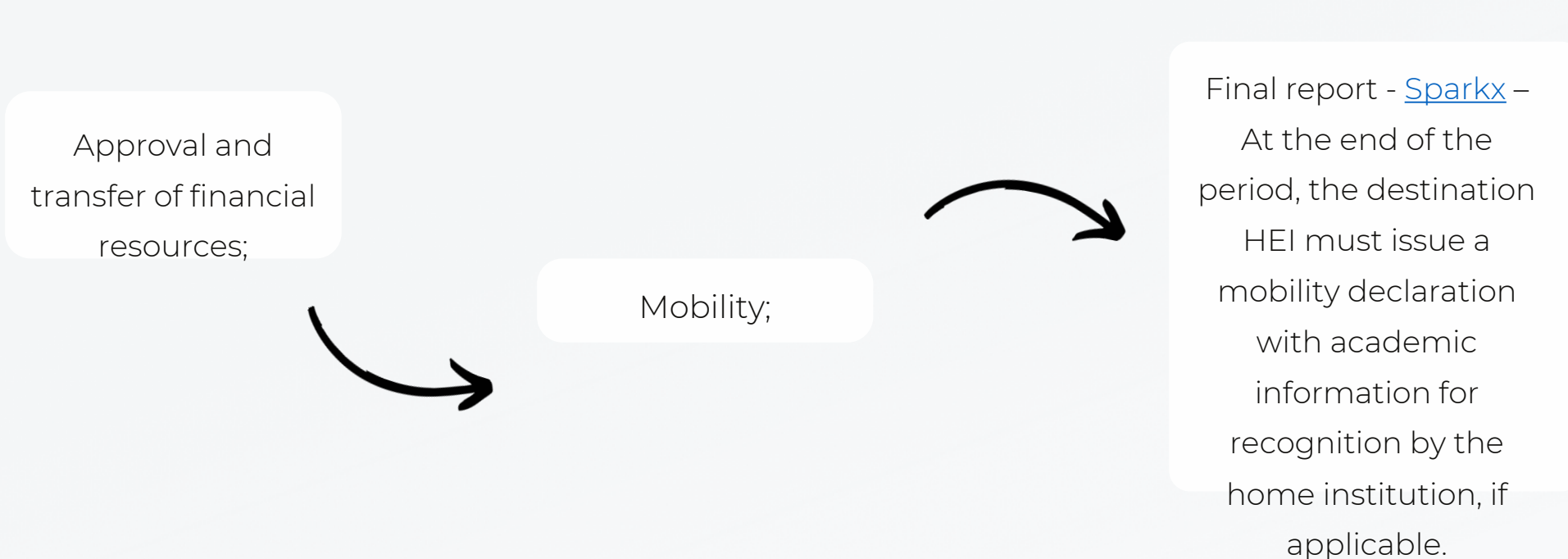
Selection by the destination HEI – Selected candidates by the destination institution will receive an acceptance letter;



Submission of the proposal – [Sparkx](#) platform – With the acceptance letter in hand, the institutional person responsible for mobility will forward the recipient student's application via the Sparkx/Araucária Foundation platform, for contracting and transfer of the scholarship;



# STEP-BY-STEP AFTER THE PARTNERSHIP IS ESTABLISHED:



\*The students and researchers selected will receive a monthly scholarship based on their destination country to cover accommodation, food, airfare, and insurance, if not provided by the destination HEI.

# Araucária Foundation

## ST&I Funding Agency of Paraná State

Thank you! Kiitos!

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Campus da Indústria, em Curitiba, onde está a sede da Fundação Araucária





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# **MOBILITY AND FUNDING OPPORTUNITIES BETWEEN FINLAND AND BRAZIL**

AnneSophie Hokkanen & Mari Pohjola  
Finnish National Agency for Education



# MOBILITY AND FUNDING OPPORTUNITIES BETWEEN FINLAND AND BRAZIL - statistics

## Student mobility between Finland and BRAZIL 2014-2023

### Over 3 months

FROM FINLAND	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	TOTAL
BRAZIL	36	54	60	57	36	33	27	9	1-4	18	15	348
TO FINLAND	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	TOTAL
BRAZIL				33	48	54	51	18	18	15	18	255

TFK projects with Brazil  
**8**  
2022-2024

Erasmus+ CBHE projects with Brazil  
**2**  
2022-2024

### Under 3 months

FROM FINLAND	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	TOTAL
BRAZIL	30	27	18	21	21	12	6	6	1-4	1-4	6	150
TO FINLAND	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	TOTAL
BRAZIL				6	1-4	9	1-4	1-4	0	1-4	1-4	<b>30</b>

Erasmus+ KA171 mobility projects with Brazil  
**7**  
2022-2024



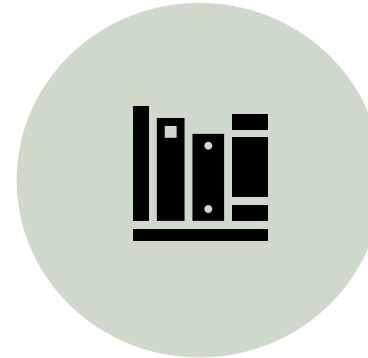
# **EDUFI Team Finland Knowledge Programme**

**Funding for educational  
cooperation projects**



# TFK programme for HE education cooperation

The purpose of the Team Finland Knowledge programme is to create and strengthen cooperation between Finnish higher education institutions and the target regions and countries selected to the TFK network, and to design new operating models for cooperation.



## **PROJECT LENGTH:**

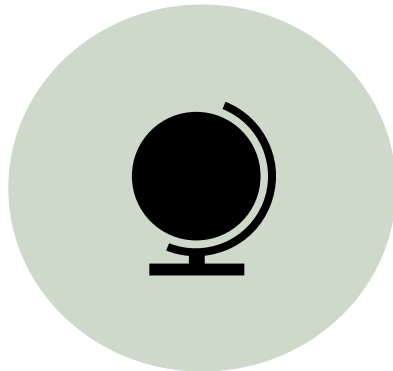
2,5 years

## **MAX. SUPPORT:**

80 000 €

## **BUDGET:**

1,4 - 2 m€



## **TARGET AREAS:**

China, India, Southern Africa,  
Southeast Asia & Latin  
America

+ separate calls for Ukraine



## **PROGRAMME WEB SITE:**

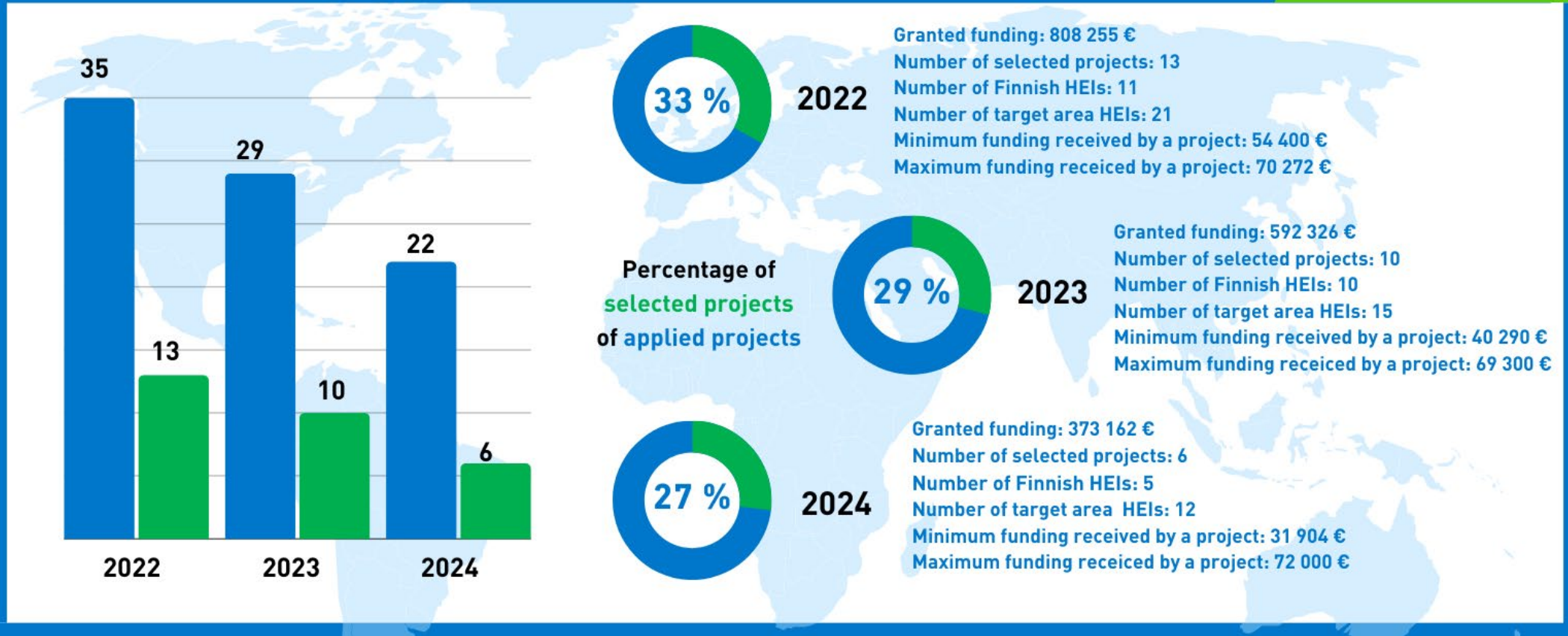
<https://www.oph.fi/en/programmes/tfk-programme>

# Forms of cooperation funded

- Joint study units, courses and intensive courses
- The development and realisation of digital/virtual teaching
- Curriculum cooperation
- Joint/double degrees
- Mobility (teacher, staff, student and/or trainee mobility)
- Working life cooperation

# Funded projects with Latin America

TFK PROGRAMME, APPLIED AND SELECTED PROJECTS:  
LATIN AMERICA 2022-2024



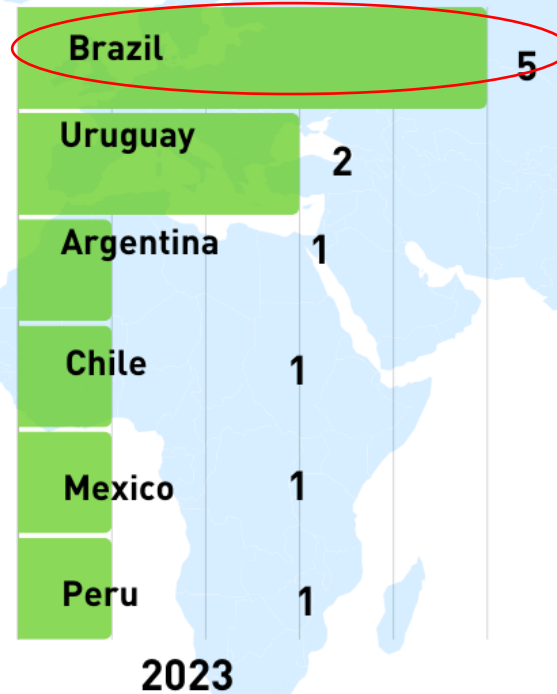


# Latin American partner countries in funded projects

TFK PROGRAMME, APPLIED AND SELECTED PROJECTS:  
LATIN AMERICA 2022-2024



Partner countries in selected projects

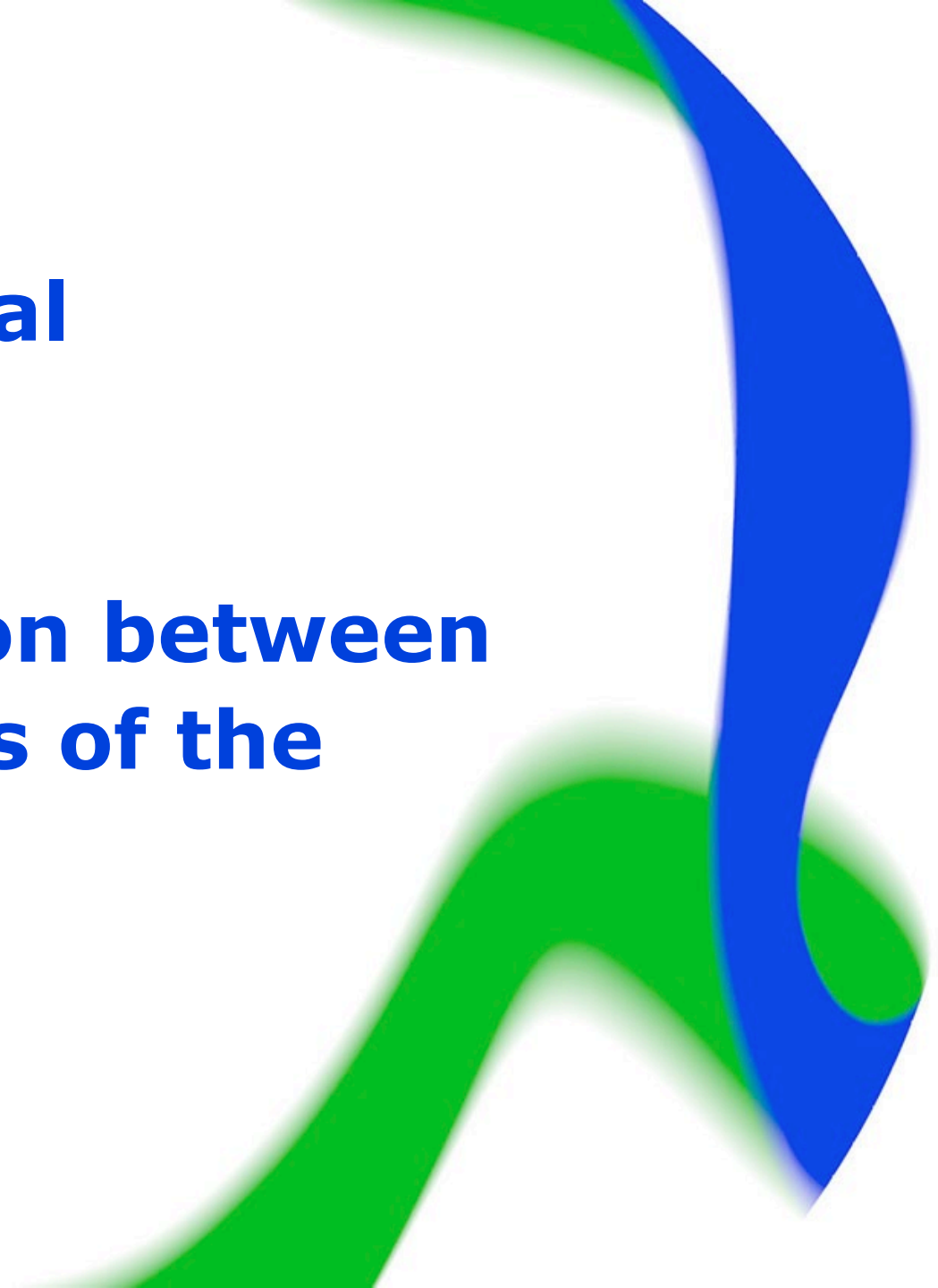


# TFK projects with Brazil

Project year	Coordinating insitution	Name of the project	Partner countries	Granted sum
2022	University of Helsinki	Indigenous Studies on languages, traditional knowledge and the environment within Amazonian-Finnish collaboration	Brazil	63 187 €
2023	Helsingin Yliopisto	Combating Antimicrobial Resistance: Finland-Brazil Partnership for Education and Awareness	Brazil	40 290 €
2023	Lappeenrannan-Lahden teknillinen yliopisto LUT	Finnish-Brazilian Joint Multidisciplinary Training Program for Technical Aspects and Social Impacts of Artificial Intelligence and (beyond) 5G networks	Brazil	64 000 €
2023	Oulun yliopisto	Arctic & Cerrado Online Training	Brazil	64 000 €
2023	Svenska Handelshögskolan	Summer schools in humanitarian Operations Management	Brazil	47 776 €
2023	University of Helsinki	Museums, morphology, and molecules: new ways of evolution education	Argentina; Brazil	69 300 €
2024	Lappeenrannan-Lahden teknillinen yliopisto (LUT)	Finnish-Brazilian Multidisciplinary Training Programme towards Advances in Solid Mechanics	Brazil	72 000 €
2024	Laurea-ammattikorkeakoulu Oy	Sustainable Working Life Connected Practices for Amazonia's Communities	Brazil	64 000 €

# **Erasmus+ International Dimension**

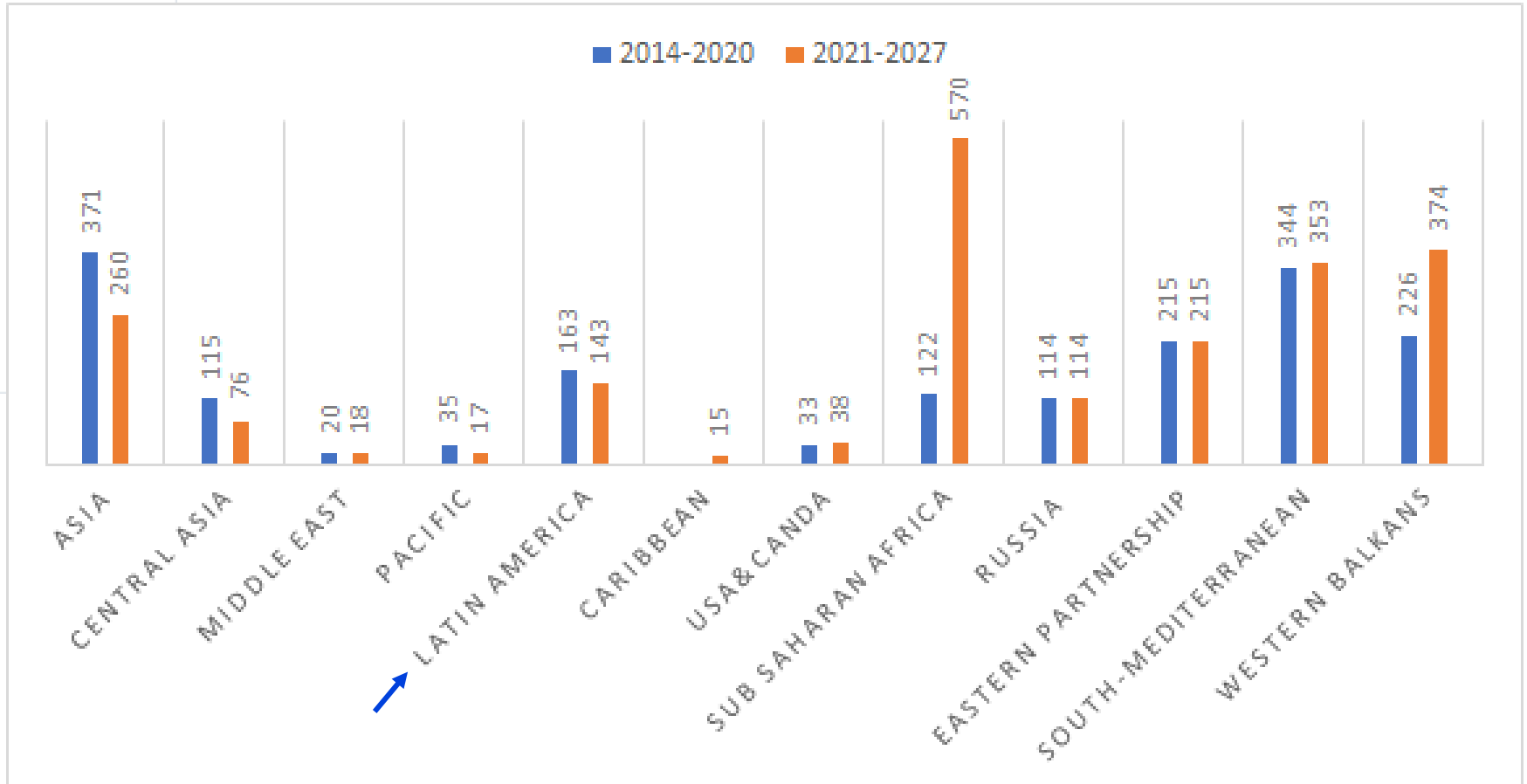
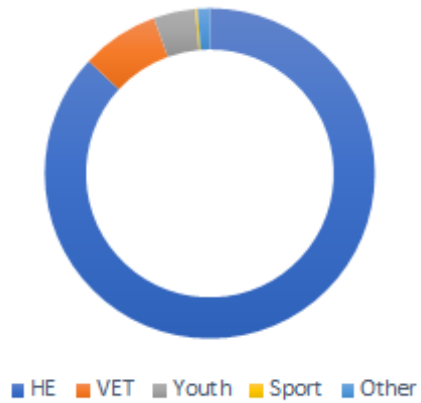
**Funding for cooperation between  
Europe and other parts of the  
world**





# International Dimension of Erasmus+

Erasmus+ International Dimension Budget per sector 2021-2027



2014-2020: 1,8 billion  
2021-2027: 2,2 billion

# Cooperation possibilities for HEIs

## International Credit Mobility

provides support for student, trainee, teacher and staff mobility with higher education institutions from partner countries around the world

## Capacity Building projects

are multilateral projects aimed at improving the administration, management and innovations capacities of higher education institutions in partner countries, promote internationalisation and modernise education systems

## Erasmus Mundus Joint Masters (EMJM)

are high quality international study programmes, that are jointly delivered by multiple higher education institutions globally

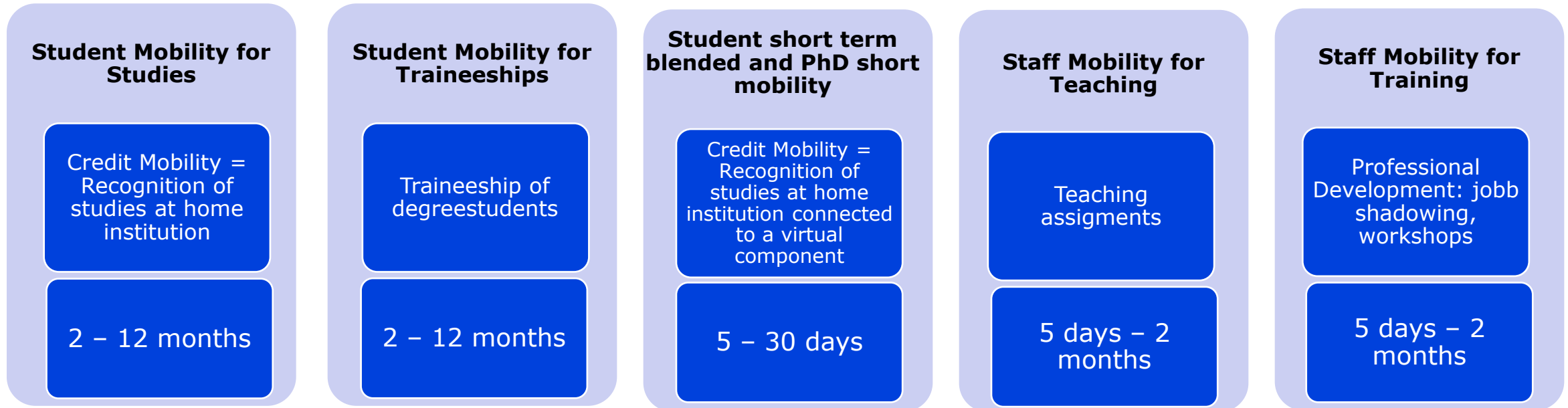
## Erasmus Mundus Design Measures EMDM

are targeted for higher education institutions that are interested in delivering a joint Master programme but are not yet quite ready to launch a joint master programme

## Jean Monnet activities

support teaching and research in the field of European Union studies worldwide. The aim is to increase knowledge on the European Union and promote European identity as well as active citizenship.

# International credit mobility (ICM)



- Project duration 24 or 36 months
- Budget in 2024 3,8 M€

- 12 geographic budgetary envelopes
  - 247 635,00 € for Region 5 Latin America
  - No more than 30 % of the budget should be spent on mobility with Brazil and Mexico together.



# Capacity building in higher education (CBHE)

Fostering  
capacity of higher  
education in  
partner countries

## 3 Strands:

Fostering access  
to cooperation in  
higher education;  
Partnerships for  
transformation in  
higher education;  
Structural Reform  
projects

Budget in 2024  
total 98 M€;  
Region 10 Latin  
America  
8.667.780€

200 000 – 1 000  
000 €;  
24 - 48 months

# Erasmus Mundus action

High-quality international study programmes delivered jointly by several higher education institutions. Budget for one consortium max approx. 5 mil. for EMJM and 60 000€ for EMDM.

Includes studies in at least two countries, and scholarships are available for those who study in them.

EMJM consortium consists of at least three higher education institutions. The HEI's must be from three different countries and two of them EU member states or third countries associated to the Programme.

EMJM consortias can apply for up to 27 extra student grants that are aimed at students coming from Regions 1, 3, 5, 6, 7, 8, 9, 10 and 11. Africa is prioritized in the budget.

## Two different projects

- Erasmus Mundus Joint Masters (EMJM)
  - Jointly planned, integrated curriculum, and the programmes must be implemented jointly.
- Erasmus Mundus Design Measures (EMDM)
  - Targeted for HEIs that are interested in delivering a Joint Master programme but are not yet ready to launch it.

# Jean Monnet for higher education

## Jean Monnet Modules

- Short teaching programmes or courses in the field of European Union studies.

## Jean Monnet Chairs

- Teaching posts with a specialisation in European Union studies practiced by university professors.

## Jean Monnet Centres of Excellence

- Pooling knowledge and competence on European Union subjects.

## Jean Monnet Networks in Higher Education

- Support to large thematic networks to bolster the policy debate.



# Where can you find more information?

## **Finnish Education Cooperation with the Global South**

- [Finnish Education Cooperation with the Global South \(dwc.dn.net\)](https://www.dwc.dn.net/) The page presents the Finnish National Agency for Education EDUFI's programmes and actions that support educational cooperation with partners from the Global South.

## **EDUFI's Team Finland Knowledge Programme:**

- <https://www.oph.fi/en/programmes/tfk-programme>

## **Erasmus+ programme:**

- <https://www.oph.fi/en/education-development-and-internationalisation/erasmus-programme-finland-2021-2027/erasmus-programme-higher-education>



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**Thank You!**

