

NETWORKING OPPORTUNITIES IN SCIENCE AND RESEARCH BETWEEN BRAZIL AND BAVARIA

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Brazilian Federal Agency for Support and Evaluation of Graduate Education (CAPES), a foundation that plays a fundamental role in the expansion and consolidation of graduate courses in Brazil.

THE AGENCY:



▶ **The formation of highly qualified professionals**

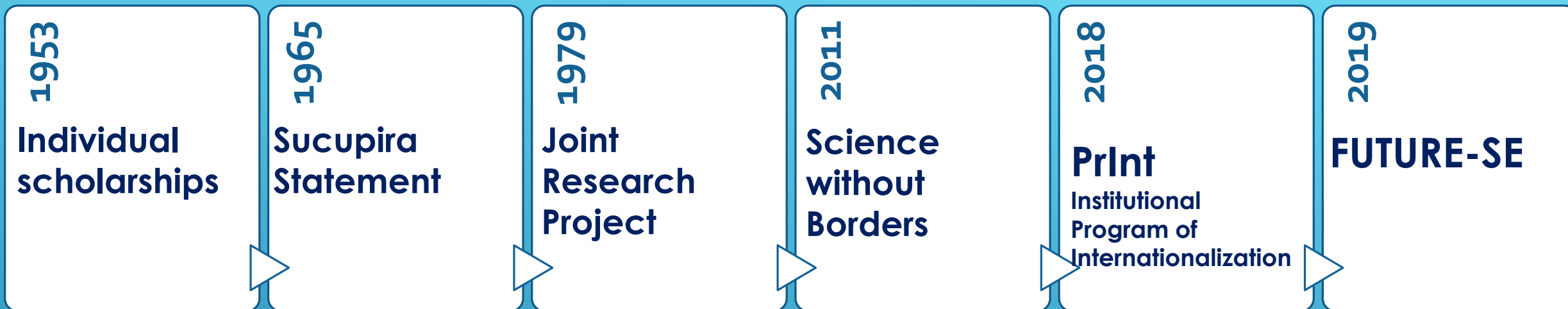
- ▶ through the continued promotion and periodic assessment of stricto sensu graduation (academic master's degree, doctoral and professional master's degree).
 - ▶ providing scholarships for students, teachers and researchers, support to postgraduation activities and access to scientific, academic, technological and cultural, Brazilian and international literature.

▶ **To strengthen the Brazilian Public Policies and development**

- ▶ proposing Strategic Lines of Action aligned with the promotion of science, technology and innovation.
- ▶ Funding scientific, technological and social research as well as innovation cooperation activities at the national and international levels.

GOAL OF CAPES:





THE ROLE OF CAPES IN BRAZILIAN INTERNATIONALIZATION PROCESS

Individual initiatives -> Systemic initiatives



Sustainable Development Goals (SDGs) of United Nations

- ▶ Global competence includes skills in communication, collaboration, critical thinking, and creativity, which collectively are known as 21st century skills.
- ▶ Education and partnership can lead a central role in helping people to forge more just, peaceful, tolerant and inclusive societies.
- ▶ In terms of global structure, Brazilian graduate programs have access to actualized libraries and research infrastructure that makes possible the high level development, but it was pointed out that one general problem was related with the institutional financial support.

GLOBAL CITIZEN OF XXI CENTURY



- ▶ Higher Education Institutions increasingly operate in an international environment which demands the development of internationalisation strategies.
- ▶ In recent years, a shift has taken place from the internationalisation of specific core functions of an institution to the internationalisation of the institution as a whole, including its objectives.
- ▶ The internationalisation of the institution is reflected by the international character of its education and research, but also by the international nature of its funding base, its quality assurance system, its staff and student population considering foreign language proficiency.

FRAMEWORK



- ▶ Foster the construction, implementation and consolidation of strategic plans for internationalization of the institutions contemplated in the areas of knowledge they prioritize;
- ▶ Stimulate the formation of international research networks with a view to improving the quality of academic production linked to postgraduate studies;
- ▶ Expand the actions to support internationalization in the postgraduate courses of the contemplated institutions;
- ▶ Promote the mobility of lecturers and students, with emphasis on doctoral students, postdoctoral students, Brazilian lecturers abroad and foreign lecturers in Brazil, linked to stricto sensu postgraduate programs with international cooperation;
- ▶ Foster the transformation of participating institutions into an international environment;
- ▶ Integrate other CAPES development actions into the internationalization effort.

PROGRAM FOR INSTITUTIONAL
INTERNATIONALIZATION OF BRAZILIAN HIGHER
EDUCATION AND RESEARCH INSTITUTIONS –
CAPES-PRINT: **OBJECTIVES**



▶ Internationalization means more than mobility

- ▶ Includes initiatives in international cooperation aimed at the integration of global dimensions into the formal and informal domestic learning environments of the organization;
- ▶ Involves an articulated commitment within the organization between administrative leadership, infrastructure and training of human resources, which requires considerations on curriculum, co-curriculum and learning policies and practices.

Expected outcomes:

- Incorporation of Knowledge acquired abroad, bearing in mind the Brazilian reality;*
- Expansion of science and technology, innovation and Competitiveness, enabling social transformation and greater impact of research conducted in Brazil.*

PROGRAM FOR INSTITUTIONAL
INTERNATIONALIZATION OF BRAZILIAN HIGHER
EDUCATION AND RESEARCH INSTITUTIONS –
CAPES-PRINT: **RELEVANCE**



- ▶ Based on their strategic planning the organizations define their topics of interest in academic research (THEMES).
- ▶ The HEI or RC defined their international partnerships for program implementation, including the priority partner countries.
- ▶ The establishment of new partnerships and reinforcement of traditional ones is encouraged, yet conditioned upon the principles of reciprocity.
- ▶ The partnership should provide the interchange of students and faculty as well as knowledge.

PROGRAM FOR INSTITUTIONAL
INTERNATIONALIZATION OF BRAZILIAN HIGHER
EDUCATION AND RESEARCH INSTITUTIONS –
CAPES-PRINT: **NOVELTY**





OVERVIEW OF THE RESULT OF THE 1ST CALL

**Human
Environment
and Smart Cities**

**Systems
Analysis**

Biodiversity

**Materials and
New Products**

**Sustainable
Development**

**Social
Dynamics and
Technology**

**Information and
Communication
Technologies**

**Earth and
Space**

**Industry 4.0 and
Innovation**

**Health in the 21st
century**

TOP TEN STRATEGIC THEMES OF RESEARCH



- ▶ Begin a new collaboration through the mobility of researchers inserted into joint research projects;
- ▶ Consolidate effective institutional partnerships;
- ▶ Coordinate collaborations through international networks; or
- ▶ Structuring partnerships with virtual or physical labs and research centers.

THROUGH PRINT, OPPORTUNITIES ARE OFFERED TO BRAZILIAN RESEARCHERS



- ▶ **Allowance for overseas work missions**, in the context of international cooperation research projects or individual missions, which include travel allowance and health insurance allowance, according to the current regulations of CAPES.
- ▶ **Finance research projects with international partnerships**, focusing on the establishment of interdisciplinary research.
- ▶ **Funding for project maintenance** for specific actions of research projects in international cooperation, within the eligible items of the Capes-Print Program.
- ▶ **Student and faculty interchange** through mobility, small seminars and short courses.

FINANCING POSSIBILITIES



- ▶ The shift from peripheral to mainstream activity of internationalisation
 - ▶ quantitative indicators for internationalization;
 - ▶ quality of internationalisation (also priority).
- ▶ Realistic diagnosis of projection and achievements
 - ▶ knowing where the HEI stands (mapping) in terms of internationalization;
 - ▶ examining the value of the internationalisation efforts (evaluating) considering the main goals and actions;
 - ▶ setting an organisational identity (profiling): internal and external stakeholders the strengths and ambitions from an internationalisation perspective.

ASSESSMENT OF THE PRINT



- ▶ Foreign students and classes in foreign languages
 - ▶ The teaching and curriculum dimension
- ▶ Mobility of staff and students
 - ▶ impact and benefit of outward mobility on academic outcomes
- ▶ Involvement of institution
 - ▶ Mission, goals and plans of the university
- ▶ International programmes
 - ▶ Support system, information provision and infrastructure
- ▶ International collaborations
 - ▶ Academic staff with foreign nationality (VISITING PROFESSOR)
- ▶ Third stream research funding from abroad

MAPPING INTERNATIONALIZATION-PRINT



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- ▶ FUNDAÇÃO GETÚLIO VARGAS (RJ)
- ▶ FUNDAÇÃO OSWALDO CRUZ (FIOCRUZ)
- ▶ INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS
- ▶ INSTITUTO TECNOLÓGICO DE AERONÁUTICA
- ▶ PONTIFÍCIA UNIVERSIDADE CATÓLICA DO RIO DE JANEIRO
- ▶ PONTIFÍCIA UNIVERSIDADE CATÓLICA DO RIO GRANDE DO SUL
- ▶ UNIVERSIDADE DE BRASÍLIA
- ▶ UNIVERSIDADE DE SÃO PAULO
- ▶ UNIVERSIDADE DO ESTADO DO RIO DE JANEIRO
- ▶ UNIVERSIDADE DO VALE DO RIO DOS SINOS
- ▶ UNIVERSIDADE ESTADUAL DE CAMPINAS
- ▶ UNIVERSIDADE ESTADUAL PAULISTA JÚLIO DE MESQUITA FILHO
- ▶ UNIVERSIDADE FEDERAL DA BAHIA
- ▶ UNIVERSIDADE FEDERAL DA PARAIBA
- ▶ UNIVERSIDADE FEDERAL DE LAVRAS



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- ▶ UNIVERSIDADE FEDERAL DE MATO GROSSO DO SUL
- ▶ UNIVERSIDADE FEDERAL DE MINAS GERAIS
- ▶ UNIVERSIDADE FEDERAL DE PELOTAS
- ▶ UNIVERSIDADE FEDERAL DE PERNAMBUCO
- ▶ UNIVERSIDADE FEDERAL DE SANTA CATARINA
- ▶ UNIVERSIDADE FEDERAL DE SANTA MARIA
- ▶ UNIVERSIDADE FEDERAL DE SÃO CARLOS
- ▶ UNIVERSIDADE FEDERAL DE SÃO PAULO
- ▶ UNIVERSIDADE FEDERAL DE UBERLÂNDIA
- ▶ UNIVERSIDADE FEDERAL DE VIÇOSA
- ▶ UNIVERSIDADE FEDERAL DO ABC
- ▶ UNIVERSIDADE FEDERAL DO CEARÁ
- ▶ UNIVERSIDADE FEDERAL DO ESPÍRITO SANTO
- ▶ UNIVERSIDADE FEDERAL DO PARANÁ



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- ▶ UNIVERSIDADE FEDERAL DO RIO DE JANEIRO
- ▶ UNIVERSIDADE FEDERAL DO RIO GRANDE
- ▶ UNIVERSIDADE FEDERAL DO RIO GRANDE DO NORTE
- ▶ UNIVERSIDADE FEDERAL DO RIO GRANDE DO SUL
- ▶ UNIVERSIDADE FEDERAL FLUMINENSE
- ▶ UNIVERSIDADE FEDERAL RURAL DE PERNAMBUCO
- ▶ UNIVERSIDADE PRESBITERIANA MACKENZIE

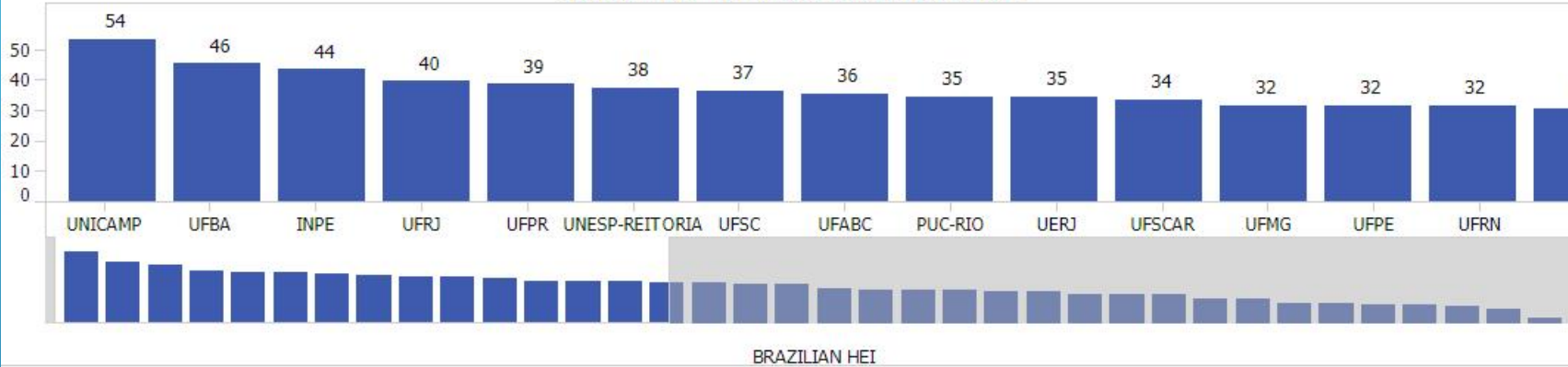


BRAZILIAN HEI

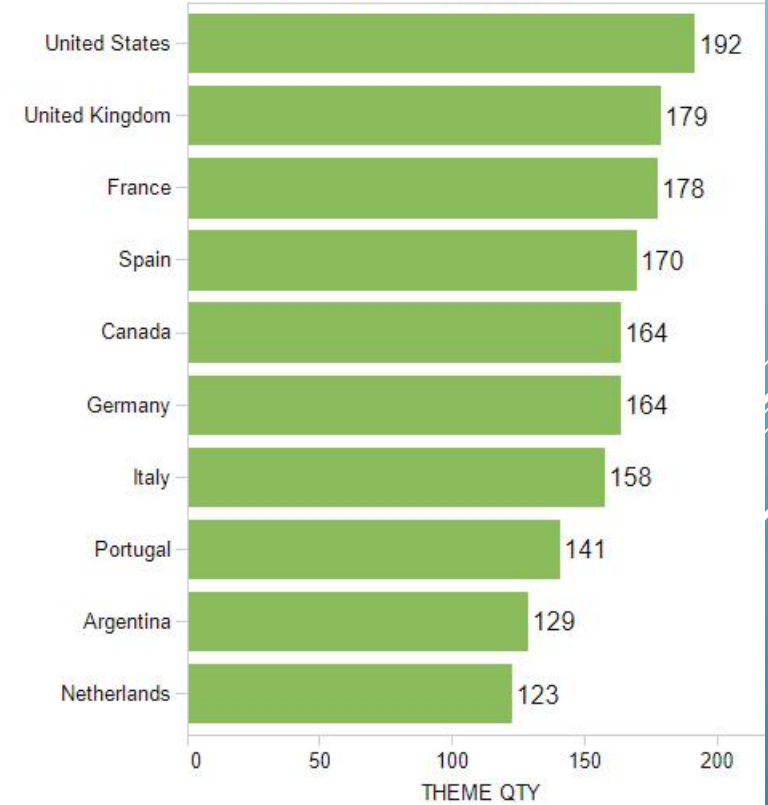
COUNTRY

THEME

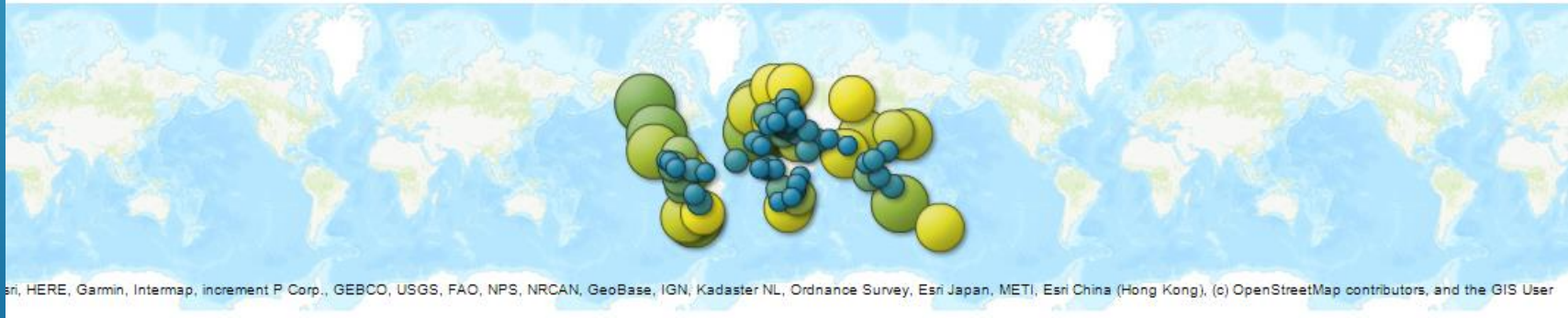
QUANTITY OF PARTNERS PER BRAZILIAN HEI



QUANTITY OF THEMES PER PARTNER



BRAZILIAN HEIs CONCENTRATION AMOUNT PER PARTNER



164 THEMES WITH GERMANY

THANK YOU!!!

