



2017

# FAPESP Week

Lubbock, TEXAS  
September 21-22<sup>nd</sup>

# FAPESP FUNDING MECHANISMS AND OPPORTUNITIES

EUCLIDES DE MESQUITA NETO

# Introduction

- Fapesp is a funding agency with the mission to promote Science in the São Paulo State, Brazil.

Fapesp has funding initiatives, mechanisms and strategies that address:

- The researchers
- The academic institutions
- The research funding agencies
- The industry and other economic sectors

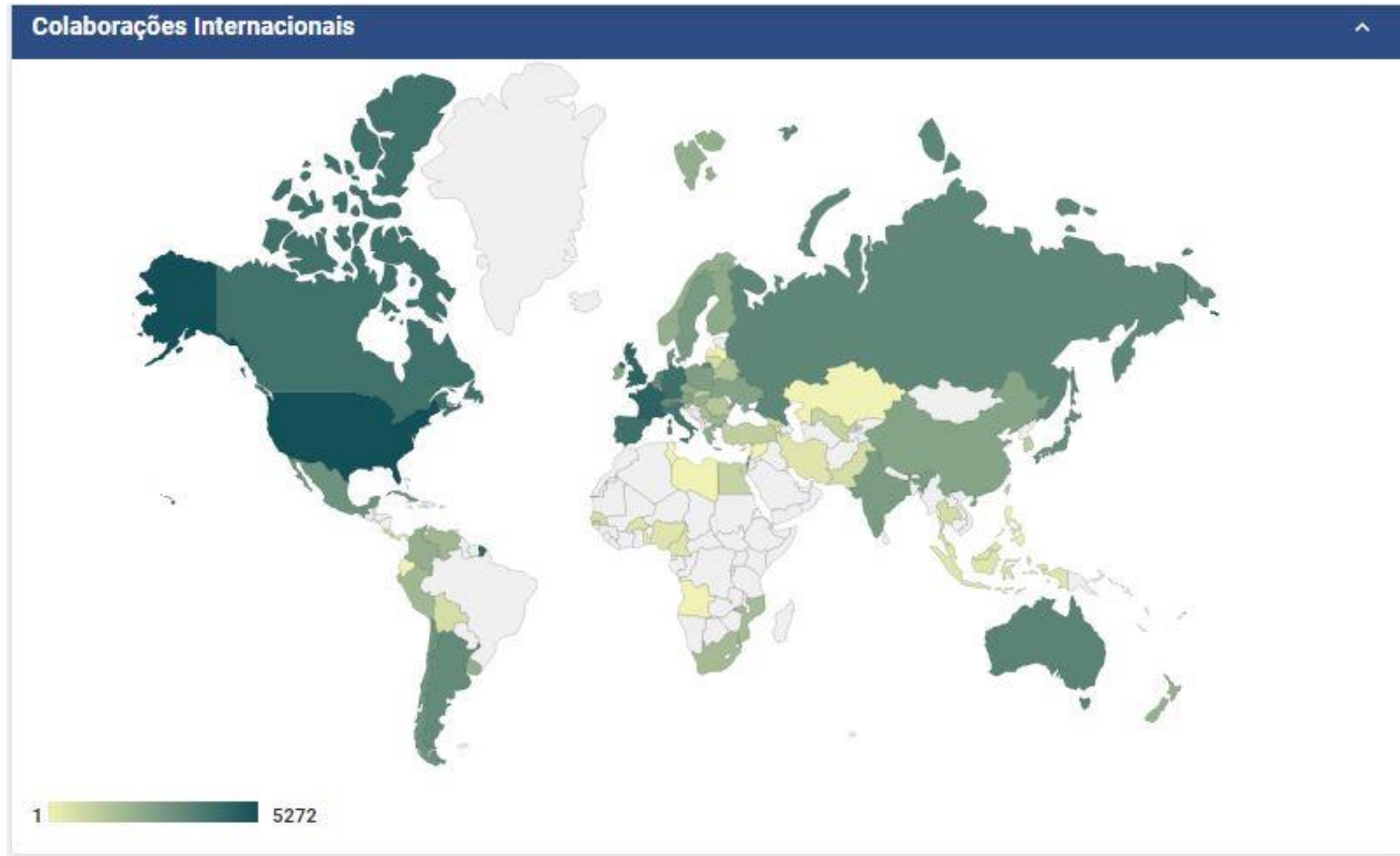
- Most of Fapesp's spendings are related to **Bottom Up** programs, that is funding proposals and ideas submitted by the research community within its regular programs.
- Fapesp also possesses a series of **Top Down** or inductive initiatives.
- One of these Top Down (inductive) initiatives is related to the increasing the **International Collaboration** for the science and technology produced at the São Paulo state.

## Reasons to engage promoting the international collaboration of the researchers working in the São Paulo State

- Larger, more complex and more challenging issues may be tackled by international team work.
- New topics can be addressed, made viable or feasible by the complementary knowledge and research expertise of the collaborating groups.
- There is compelling evidence that the science produced within a network of international collaborations has a larger impact than otherwise for all participants.
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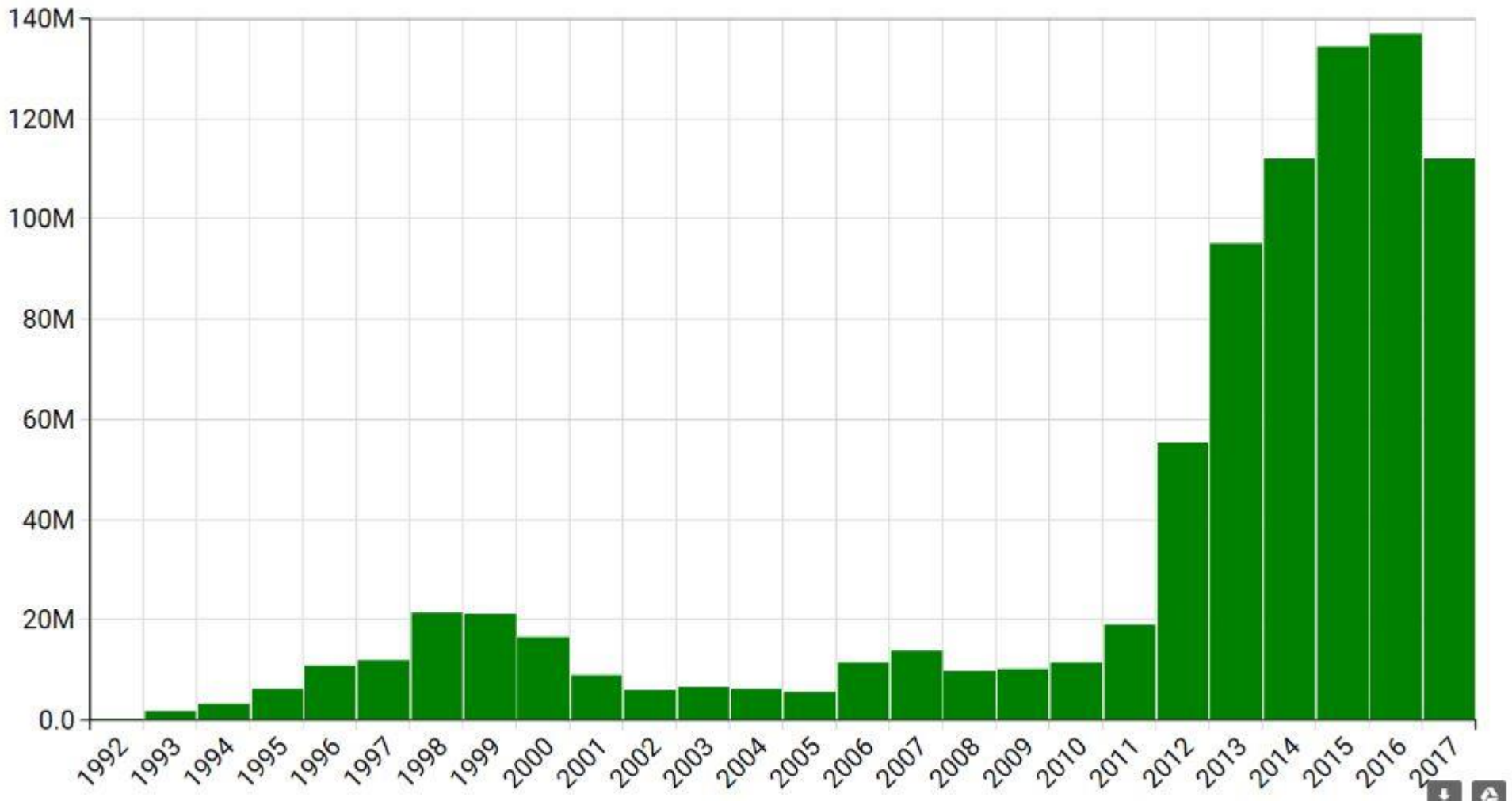
# Some facts and numbers of the international collaboration funded by Fapesp

Countries and  
Funded  
Collaborations.  
(Grants and  
Fellowships)



# Some facts and numbers of the international collaboration funded by Fapesp

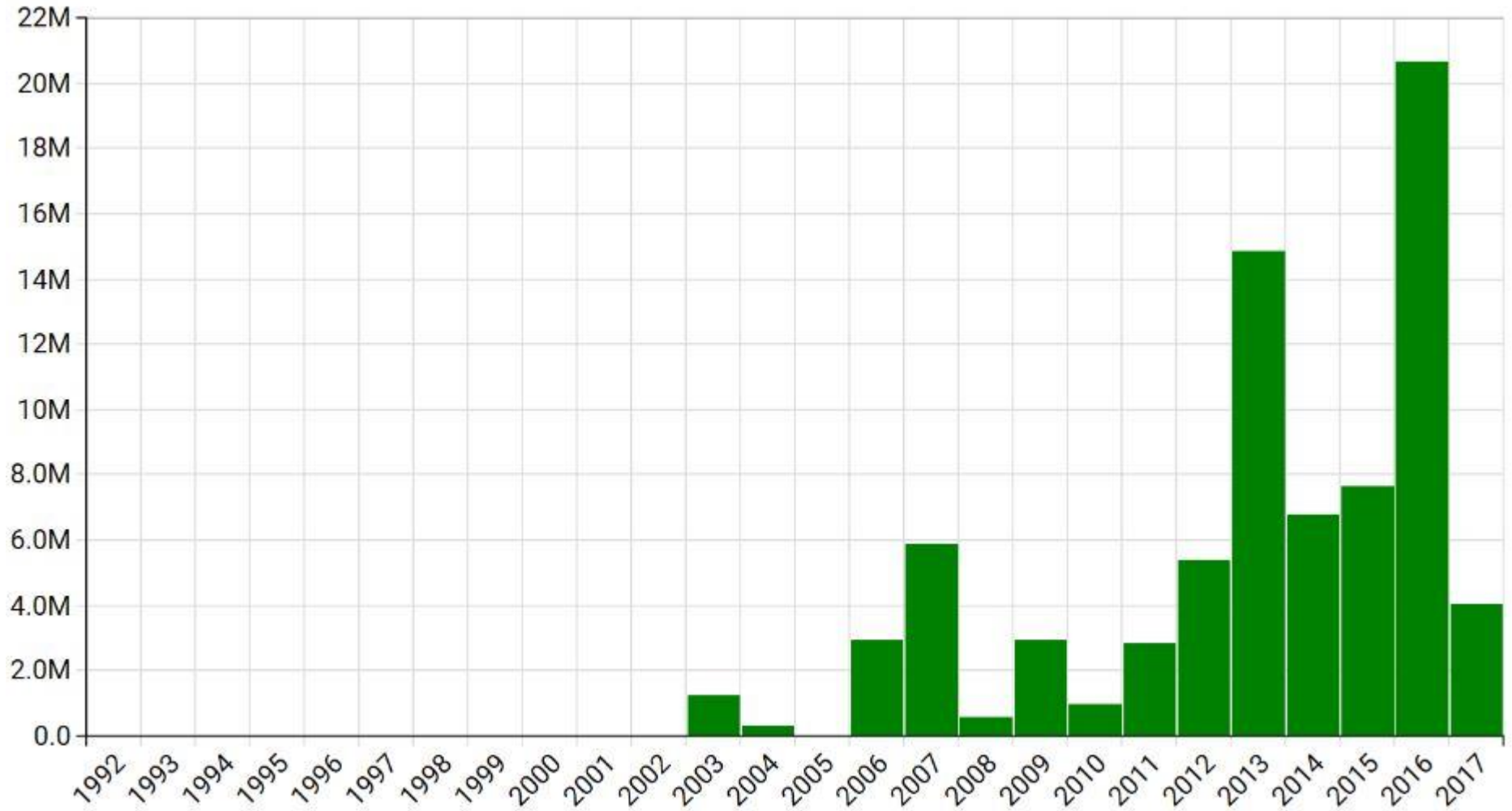
Evolution of Expenditures in International Collaboration





# Some facts and numbers of the international collaboration funded by Fapesp

Evolution of Expenditures in Thematic Projects and YIA with International Collaboration



## Some facts and numbers of the international collaboration funded by Fapesp

- Ongoing research grants for International collaboration: 356
- Funded research grants for International collaboration: 5932
- Ongoing fellowships for International collaboration: 874
- Funded fellowships for International collaboration: 9230

# Some facts and numbers of the international collaboration funded by Fapesp

## Collaboration Agreements within USA

### Agencies:

NIH

NSF

DOE

### Universities:

**Texas Tech** +31 institutions

# The São Paulo Research environment

- Qualified Researcheres
- Universities and Research Instituions



Source: Indicators FAPESP of S&T – 2016 preliminary data

**Degrees granted by state institutions in 2016**

**7,252 DOCTORATES**  
(35% of the country total)

**11,168 MASTERS**  
(24% of the country total)

	DOCTORATES	MASTERS
USP	2,887	3,563
Unesp	1,113	1,791
Unicamp	994	1,297
PUC-SP	390	751
UFSCar	316	601
Unifesp	277	531
Other	1,275	2,634

Source: Coordination and Improvement of Higher Level of Education Personnel (CAPES), 2016

## The São Paulo Research environment

- Scientific productions
- International collaboration



**20,169 SCIENTIFIC WORKS PUBLISHED**  
in journals listed on the Web of Science (Thomson-Reuters)  
by authors residing in the state

44% of the works authored by Brazilians – a 29% increase from the number in 2010



**8,178 SCIENTIFIC WORKS WITH INTERNATIONAL CO-AUTHORS**  
41% of total publications

Increase of 96% since 2010

### COUNTRIES WITH THE MOST FREQUENT CO-AUTHORS

	WORKS	EVOLUTION FROM 2010
United States	3,493	+ 96%
United Kingdom	1,441	+173%
Spain	1,156	+162%
Germany	1,144	+109%
France	1,108	+103%

Source: InCities Thomson-Reuters 2016

## FAPESP - Basic Support Lines

- **SPRINT – São Paulo Researchers in International Collaboration**  
call for seed funding, initial phases, with the aim to develop a mature collaboration project, agreement required
- **General Agreements (with Funding Agencies)**  
Larger projects and challenges
- **Remarks:**
  - On Agreements. They help but are no essential.
  - Fapesp has rules, but makes efforts to align funding mechanisms.
  - All Fapeps Grant may encompass funding for international collaboration.

## Funding Mechanisms for Researchers

### Conceptually...

- Fapesp values to support research projects in which the São Paulo participating collaborators have been involved since the initial designing phases of the research activity.

## Funding Mechanisms for Researchers

- Fapesp Regular Research Projects (2years) -2800
- Fapesp Thematic Projects (5years) – 449
- Research Innovation and Dissemination Centers RIDC (+10 years) -17



## Funding Mechanisms for Researchers

- **Visiting Researcher Fellowships –**  
Researchers from abroad, 2 weeks to 1 year
- **Fellowships for Research Abroad (BPE)**  
São Paulo Researchers, 2 weeks to 1 year

## Funding Mechanisms for Researchers

- [São Paulo Schools for Advanced Science \(ESPCA\)](#)
- [São Paulo Excellence Chair \(SPEC\)](#)

## Funding Mechanisms for Researchers

- Young Investigator Award (YIA)
- Post Docs (no nationality issue)

## Funding Mechanisms for Industry and other economic sectors

- PITE Joint University – Industry
- PIPE Small bussiness research
- ERC Engineering and Science Research Centers

## FAPESP - Information Sites

- Fapesp site:  
<http://www.fapesp.br/en/>
- Fapesp Virtual Library site:  
<http://www.bv.fapesp.br/en/>

## Concluding Remarks - Research in São Paulo

- **Good research environment**
- **Qualified researchers**
- **Strong Institutions**
- **Diversity of Funding Mechanisms**
- **Continous and growing funding for research and international collaboration**

**Thank you!**