

Curso Internacional  
sobre Cooperación para el  
**DESARROLLO Y FORTALECIMIENTO  
DE LA CALIDAD DE LOS ESTUDIOS  
DE POSTGRADO Y DOCTORADO EN IBEROAMÉRICA**

Universidad de Extremadura, España  
del 16 al 19 de septiembre de 2013



***Modelos de Gestión de la Calidad del Postgrado y el Doctorado:  
Experiencias Nacionales: La Universidad de Campinas - UNICAMP***

***Maria de Fátima Sonati – Asesora de Postgrado  
(periodo 06/2009-04/2013)***



## Graduate Studies in Brazil - Context

- ❖ regular multi-year strategic national plans (PNPG 2011-2020)
- ❖ centralized accreditation (Capes/Ministry of Education)
- ❖ unified assessment system (3 years - national evaluation)
- ❖
- ❖ centralized national access to paid scientific journals (25.000)
- ❖ large federal and state scholarship programs for graduate students (CAPES + CNPq + FAPESP)



UNICAMP

# UNICAMP



Vista aérea do Campus da UNICAMP - Campinas/SP - 1970

**1970**



Vista aérea do Campus da UNICAMP - Campinas/SP - Atualmente

**PRÓ-PÓS** – Recepção aos pós-graduandos ingressantes de 2011 – 23/02/2011 - UNICAMP

**2011**



# The University of Campinas

- **Founded in 1966 to be a ‘research university’**
- **Located in the State of São Paulo, Southeastern Brazil**

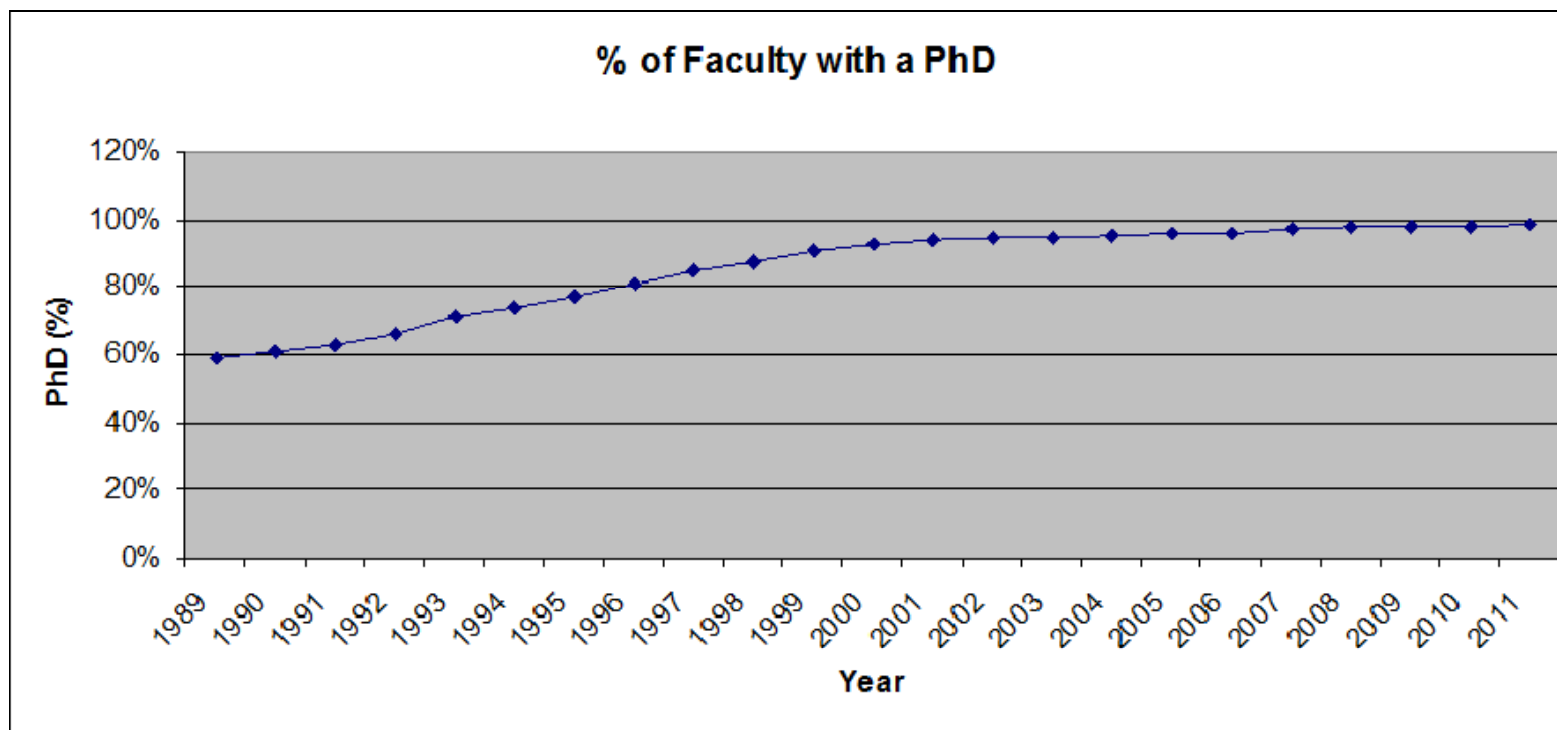
*Basic Numbers (2012):*

- **Undergraduate Students: 16 000**
- **Graduate Students: 19 000 (5600 PhDs, 5400 MSc, 8000 other)**
- **Faculty: 1800 (98% PhD, 88% full time)**
- **Undergraduate programs: 66**
- **Graduate Programs: 144 (66 masters, 60 PhD, 18 specialization courses)**
- *46.8% of the graduate programs at the international level (scores 6 & 7)*
- **Defences: 1 200 MSc + 800 PhD / year (12.9% of Brazil)**
- **Budget: 2.2% of net state sales tax ( aprox. US\$ 1 billion 2012) + R\$ 350 mi from research agencies**



# 'The Quality Program'

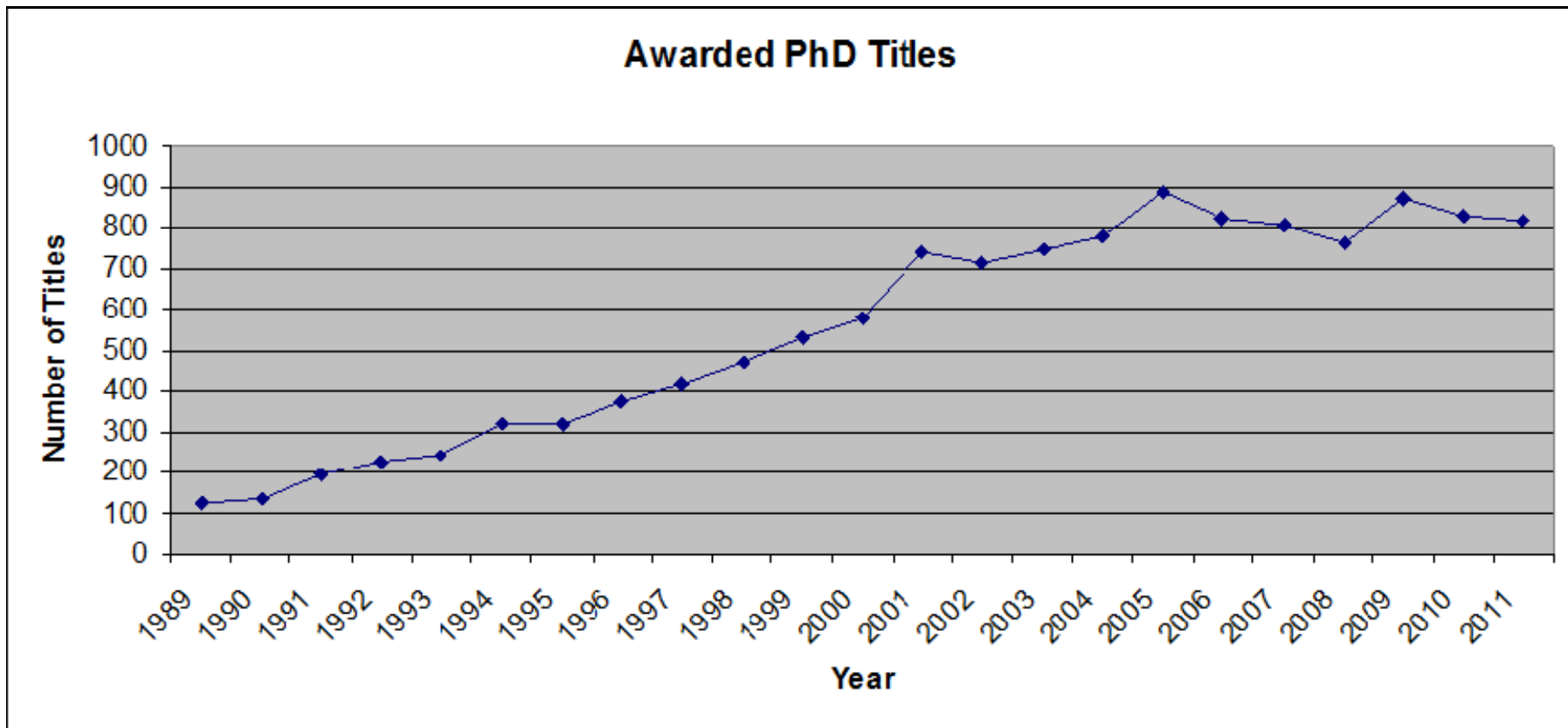
1991: A mandatory program for its faculty to obtain a PhD degree





# 'The Quality Program'

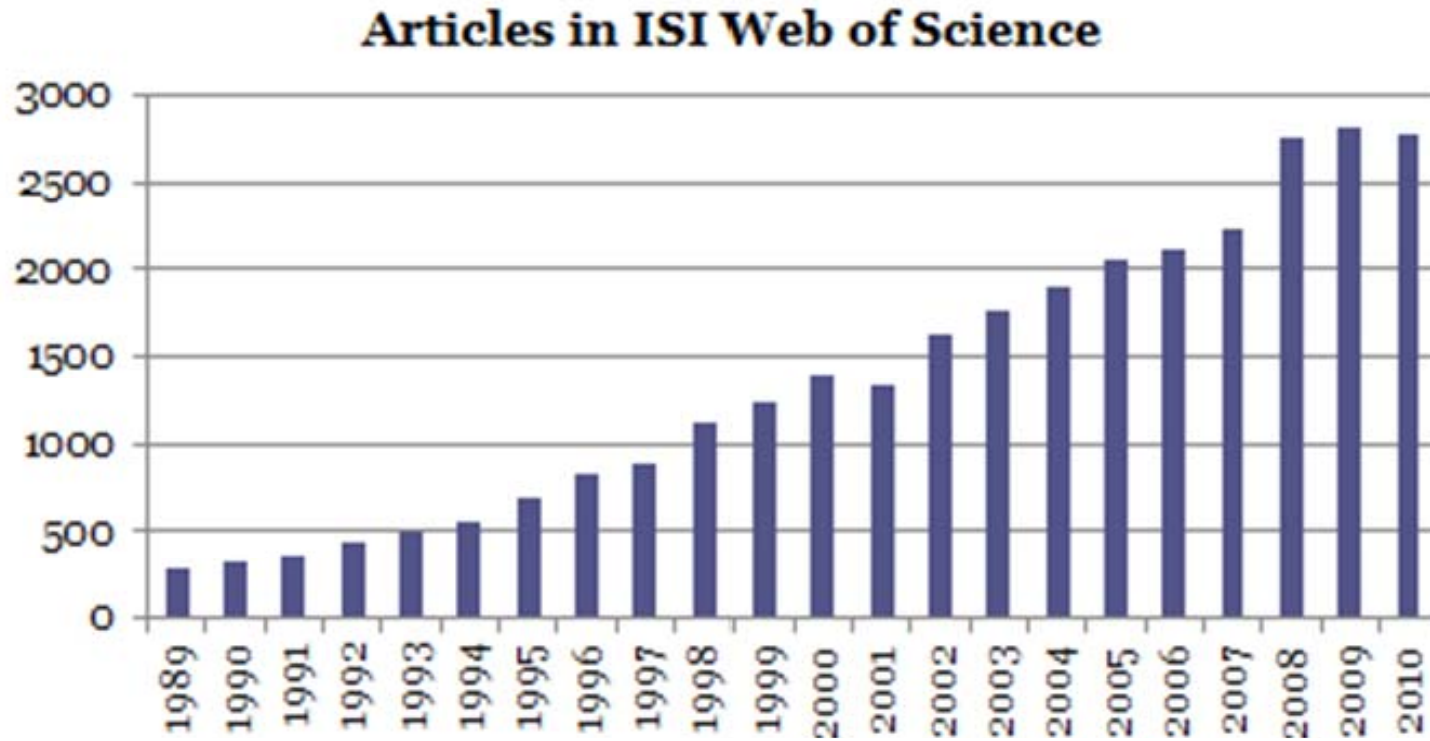
Number of awarded graduate titles - PhD from 1989 to 2011





# 'The Quality Program'

Number of Published articles at the University of Campinas 1989 to 2010





# Creating a Strong Research and Graduate Environment

*(04/2009 – 04/2013)*

- Graduate Programs and Research strongly linked
- Presently 67% of the Faculty has either a degree for US or European Research University
- But for Faculty hired in the last 10 years this percentage falls to 30%





# Creating a Strong Research and Graduate Environment

*(04/2009 – 04/2013)*

## Programs for Faculty

- Incentive and support to younger Faculty to go for a Post-Doc abroad
- Program to hire a temporary Faculty to take over teaching activities
- Starting support for new and young Faculty
  - Funding to establish the first lab (x research project submitted to funding agencies)
  - Scholarship for Graduate Students
- Creating Integrated Research Labs (IRL)
  - Stimulate integrated research projects, groups and labs
  - investment: 20 US\$ Mi
- Supporting the update infra-structure of Research Labs
  - 80 Proposals funded
  - Investment: 8 US\$ Mi



## Creating a Strong Research and Graduate Environment

*(04/2009 – 04/2013)*

### Programs for Graduate Students - PED

- Strong Commitment : 1700 students, 2million US\$ per year
- A qualification program with pedagogical project and evaluation
- Very positive effect on the lives and opportunities of the graduate students

	2004	2005	2006	2007	2008	2009	2010	2011	2012	
<b>Funded</b>	832	808	713	916	868	900	878	1165	1327	
<b>Volunt.</b>	50	51	94	102	214	249	310	323	398	
<b>Total</b>	<b>882</b>	<b>859</b>	<b>807</b>	<b>1.018</b>	<b>1.082</b>	<b>1.149</b>	<b>1.188</b>	<b>1.488</b>	<b>1.725</b>	



# Internationalizing the University

*(04/2009 – 04/2013)*

## **Programs for Faculty and Graduate Students**

- Funding Faculty and PhD international exchange
- Uni sponsored programs: 4 call for proposals ( 60 funded proposals, 120 Faculty, 120 PhDs funded- Brazilian and International, 2009-2012)
- Strategic University Partners
- Private sponsored mobility programs (30 proposals – 2011)



# Internationalizing the University

*(04/2009 – 04/2013)*

## Agreements for students and researchers exchange

Wessex Institute of Technology (UK)  
Université Catholique de Louvain (Belgium)  
Università degli Studi di Palermo (Italy)  
Universidade de Lisboa (Portugal)  
Kassel University (Germany)  
Universidade de Évora (Portugal)  
Universidad de Santiago de Compostela (Spain)  
Universidad Nacional de Ingeniería-UNI (Peru)  
Universidad Militar de Nueva Granada / Colombia  
University of Applied Sciences (Germany)  
Universidade Aberta de Portugal (Portugal)  
Patras University (Greece)  
University of British Columbia (Canada)  
SENESCYT (Ecuador)  
Rochester University (USA)  
Chonbuk University (Republic of Korea)  
Queen's University at Kingston (Canada)

Università Politécnica Delle Marche (Italy)  
Università de Piemonte Oriental "Amedeo Avogadro" (Italy)  
Universidad de Zaragoza (Spain)  
Centro de Investigaciones Y Estudios Superiores (Mexico)  
ICETEX (Colombia)  
University of Gothenburg (Sweden)  
École Supérieure d'Électricité (France)  
École Normale Supérieure de Cachan (France)  
Universidad Nacional de Colombia (Colombia)  
Instituto Superior Técnico de Portugal (Portugal)  
Universidade Politécnica de Cartagena (Spain)  
Centro Internacional de La Cultura Escolar (Spain)  
República Popular e Democrática de Angola (Angola)



# Internationalizing the University

*(04/2009 – 04/2013)*

## **Programs for Graduate Students ('Sandwich')**

- Federal Agency Capes : Sandwich PhD PDSE (135 Scholarships per year)
- Federal Agency Capes : Sandwich PhD Science without Borders
- São Paulo Research Agency (Fapesp) ; Sandwich BEPE (individual scholarships for undergraduate, graduate and post doc students)



# Internationalizing the University

(04/2009 – 04/2013)

## Cotutelle and double degree programs

- [Universidade Técnica de Lisboa \(Portugal\)](#)
- Institut National des Sciences Appliquées-INSA (France)
- Centre National de La Recherche Scientifique-CNRS (France)
- Ecole Normal Superior de Lyon (France)
- [Università degli Studi di Firenze \(Italy\)](#)
- Ecole Nationale Supérieure de Chimie de Montpellier (France)
- Université de Paris 7 – Denis Diderot (France)
- Université de Rennes 2 – (France)
- [Uppsala Universitet \(Sweden\)](#)
- Université de Pau et Des Pays de L'Adour (France)
- Université Du Maine (France)
- Stockholm University (Sweden)
- Esthèdal Grenoble 3 (France)
- Université de Provence (Aix-Marseille I) (France)
- Université de Sorbonne Nouvelle (Paris III) (France)
- Université Paris Quest Nanterre La Défense (France)
- [Universidad Católica del Norte \(Chile\)](#)
- Université Paris I Pantheon-Sorbonne (France)
- Technische Universität Dresden (Germany)
- Université de Nice Sophia Antipolis (France)
- [Universidade de Oulu \(Finland\)](#)
- [Università Politécnica delle Marche \(Italy\)](#)



## Internationalizing the University

*(04/2009 – 04/2013)*

### **Bringing foreign researchers and students**

- Supporting senior visiting faculty, who may want to establish himself at Unicamp or to have part time research relations (Unicamp and Fapesp sponsors)
- Supporting young visiting researchers from all over the world to spend up to 2 years at Unicamp
- Taking part in federal programs offering scholarships to foreign students
- Taking part in associations which promote research and graduate student exchange (AUIP, AUGM)
- 'Portuguese for foreigners' courses



# Internationalizing the University

*(04/2009 – 04/2013)*

## **Solidarity Graduate Programs with Brazilian and Latin American Institutions**

- Inter-Institutional Graduate Programs
- MSC (Minter)
- PhD (Dinter)
- for Brazilian Universities to qualify Faculty (24% with PhD)  
(courses 'in loco' + theses supervision)
- 20 Programs currently
- New efforts: Peru, Colombia





# Challenges and Remarks

- To articulate good quality research with good quality teaching
- To motivate the good researchers to teach
- Increase the international mobility of students and faculty (in both directions)
- Help to qualify other universities in Brazil, Latin America and other continents or countries
- Establish a strong international community within the campus



***Muchas Gracias!!***

***Muito Obrigada!!***

***Thank you very much!!***

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