

The Importance of IP Management in Universities and Public Research Organizations



Fernando Amestoy

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Contents

-  **University challenges in the new knowledge economy**
-  **The Universities governance**
-  **Universities: a source of Knowledge**
-  **Problems in Knowledge protection and commercialization**
-  **Strategies to promote patenting in universities**

❖ The challenges for the Universities in the new knowledge economy

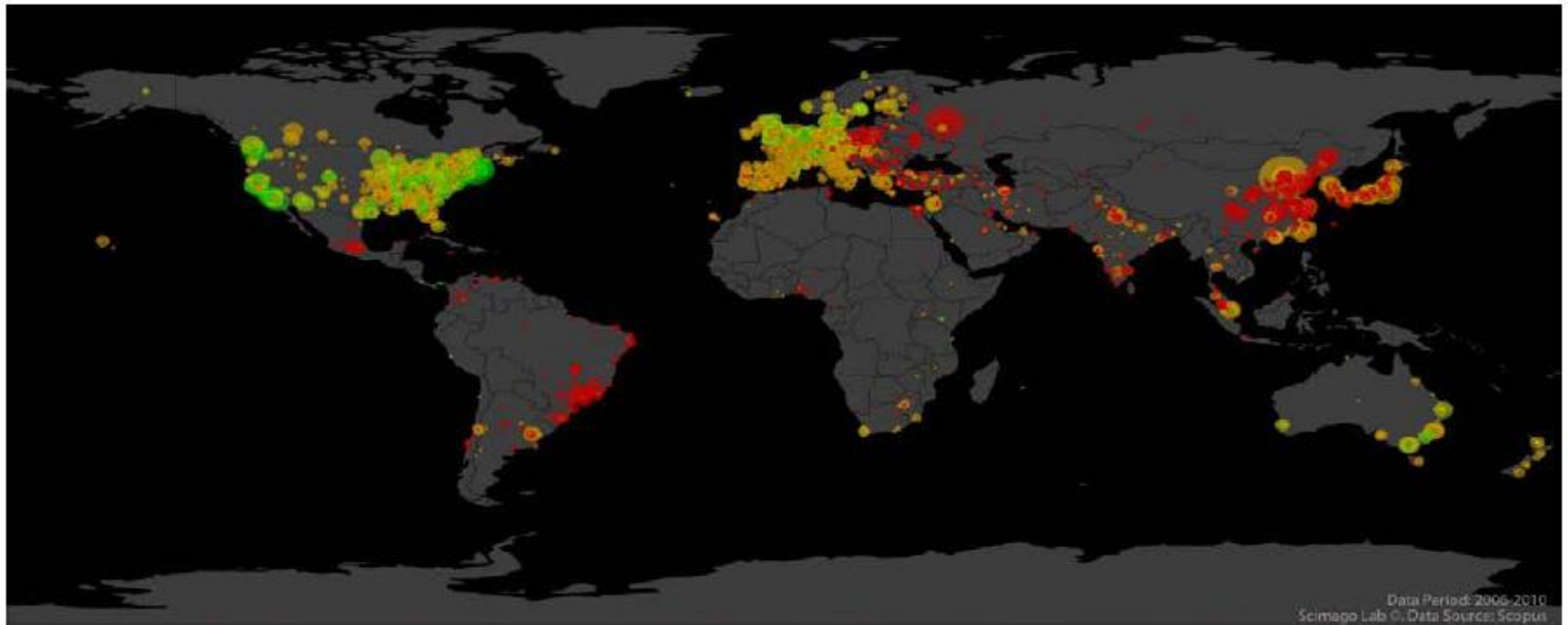
- The triple helix model: Enterprises-Universities and Government
- The University commitments: Teaching, Researching and Extension (involvement with the community)
- The institutional path

The Governance of Universities

❖ Principles of Universities governance:

- **Co-Governance: Students, Professors and Graduated**
- **Political independence**
- **Economical autonomy**

Worldwide research institutions and impact



SCImago Research Group, Copyright 2012. Data Source: Scopus®

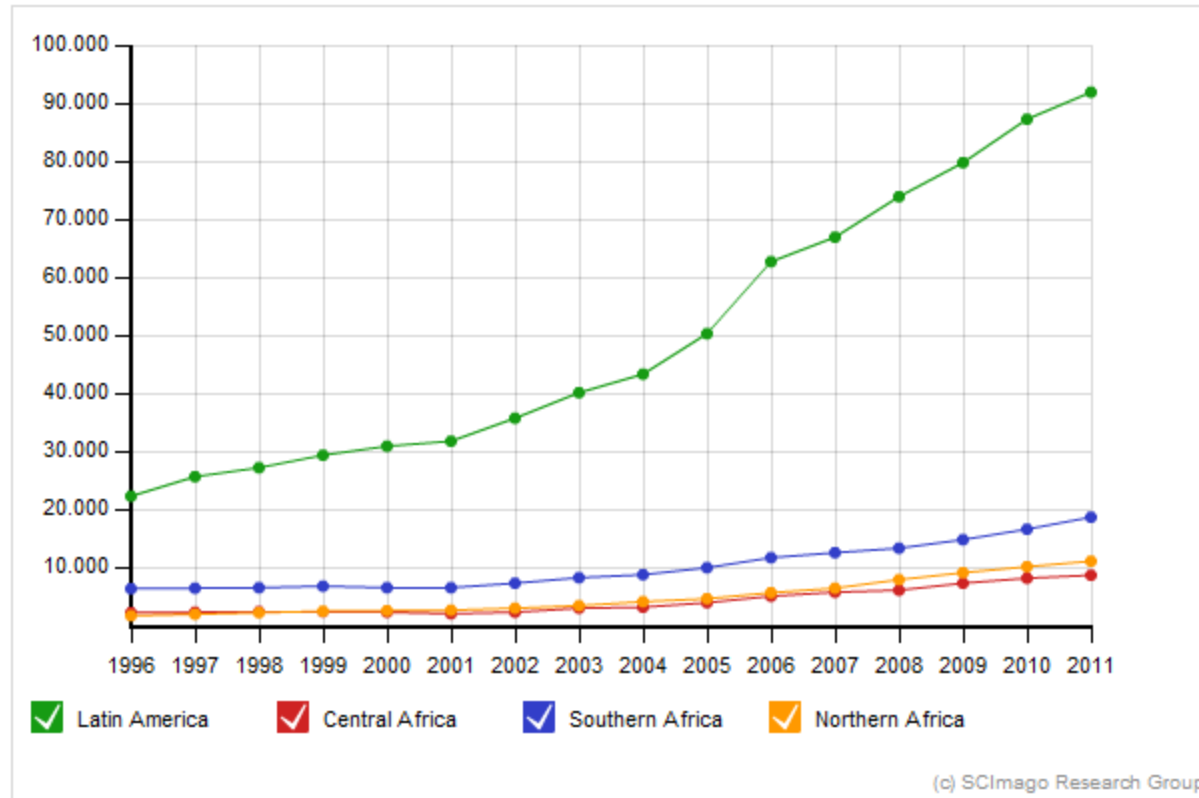
<http://www.scimagolab.com> :: <http://www.scimagoir.com>

The NI World Map shows worldwide research institutions graded into levels on Normalized Impact (from red for lowest to green for highest).

Scientific papers published by universities from Latin America and Africa

[Documents](#)
[Citable Documents](#)
[Cites](#)
[Self Cites](#)
[Cites per Document](#)
[\(Cites-Self cites\) per Document](#)

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[% cited documents](#)
[International collaboration](#)

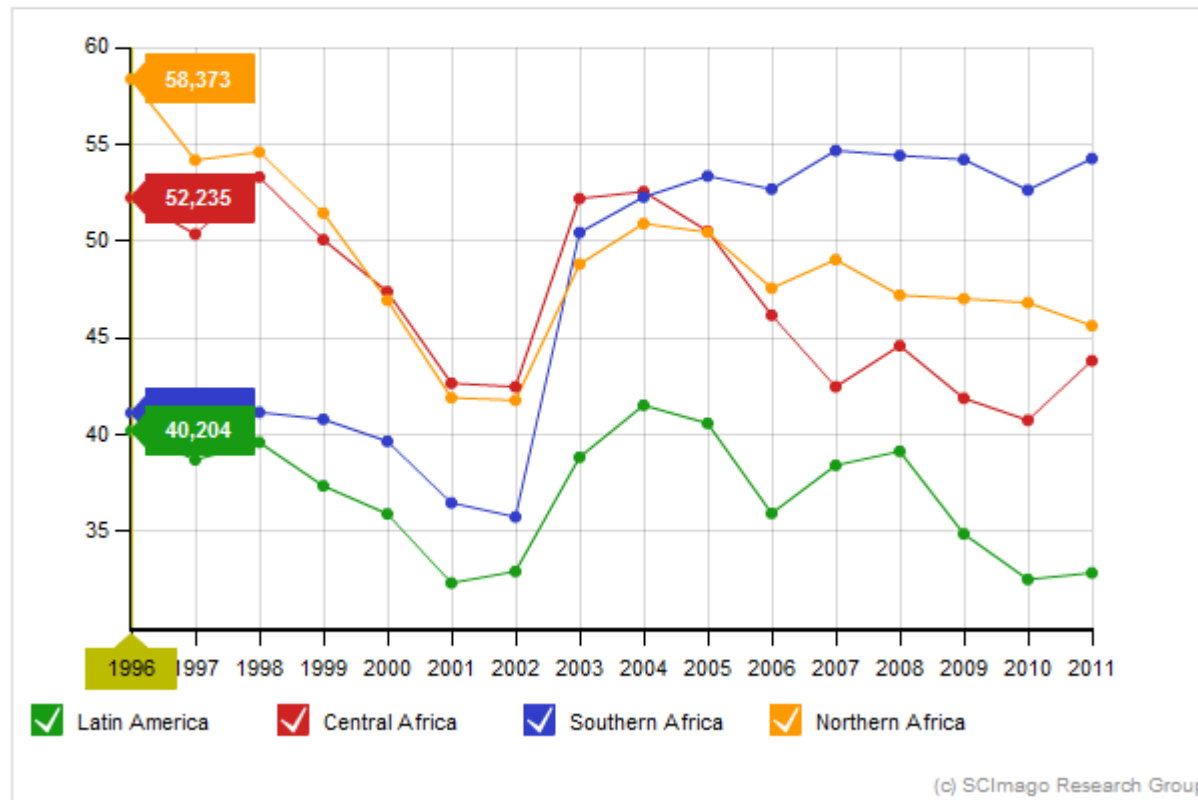


International collaboration

Documents Citable Documents Cites Self Cites Cites per Document (Cites-Self cites) per Document

H Index % cited documents International collaboration

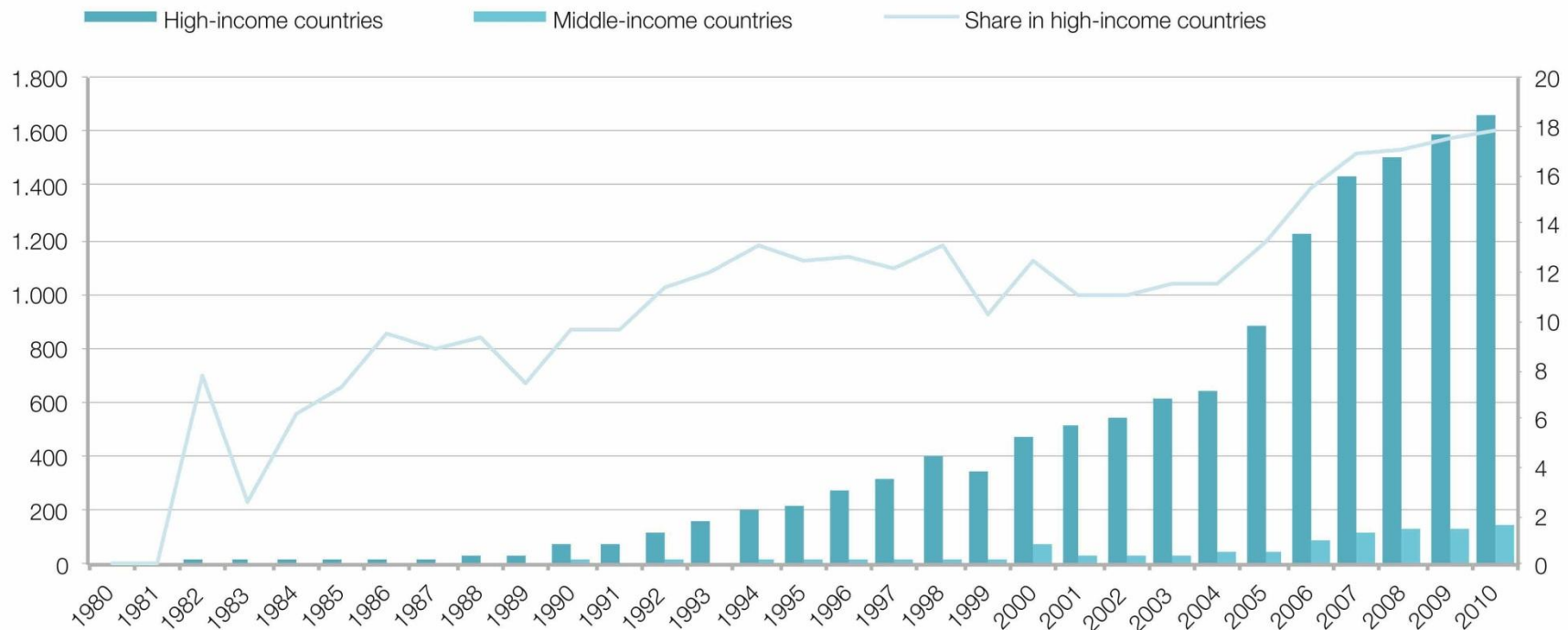
Percentage of documents with more than one country:



University-firm patent applications under PCT

Figure 4.9: The share of joint university-firm patent applications under the PCT is increasing rapidly

Joint university-firm PCT applications in absolute numbers (left) and as a percentage share of total university PCT applications (right): 1980-2010

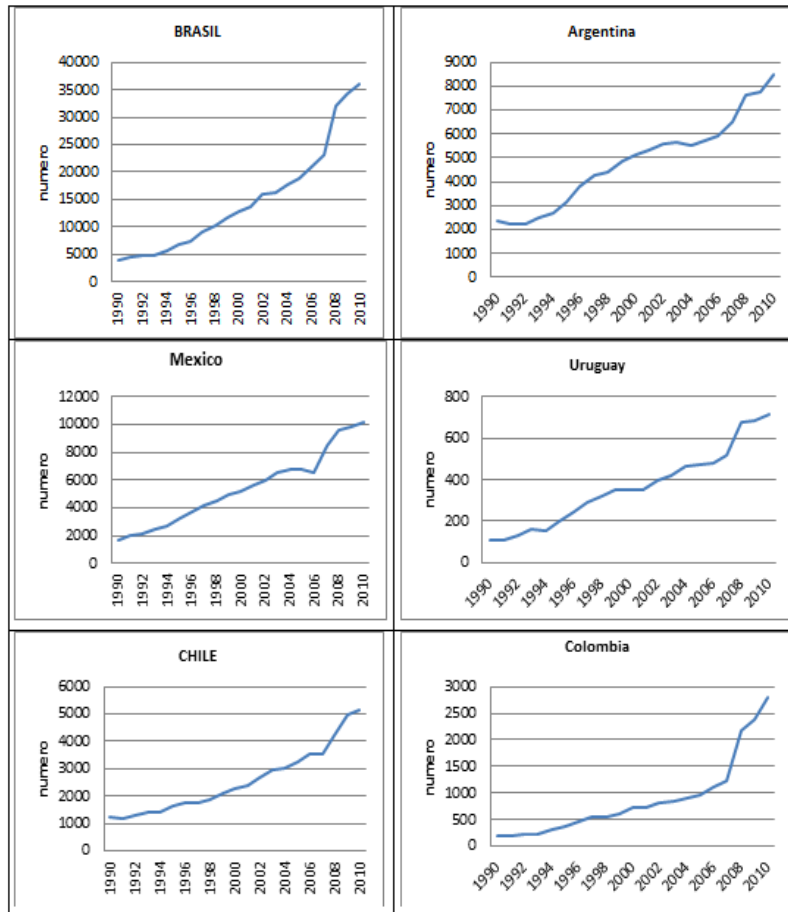


Note: "University-firm co-ownership" refers to the situation where there are at least two applicants, one being a university and another being a company. Inventors are not considered. The share of university-firm applications in total PCT applications by middle-income countries are not shown due to their high volatility. Since 2001 this share has been in the range between 16.9 percent and 34.5 percent.

Source: WIPO Statistics Database, June 2011.

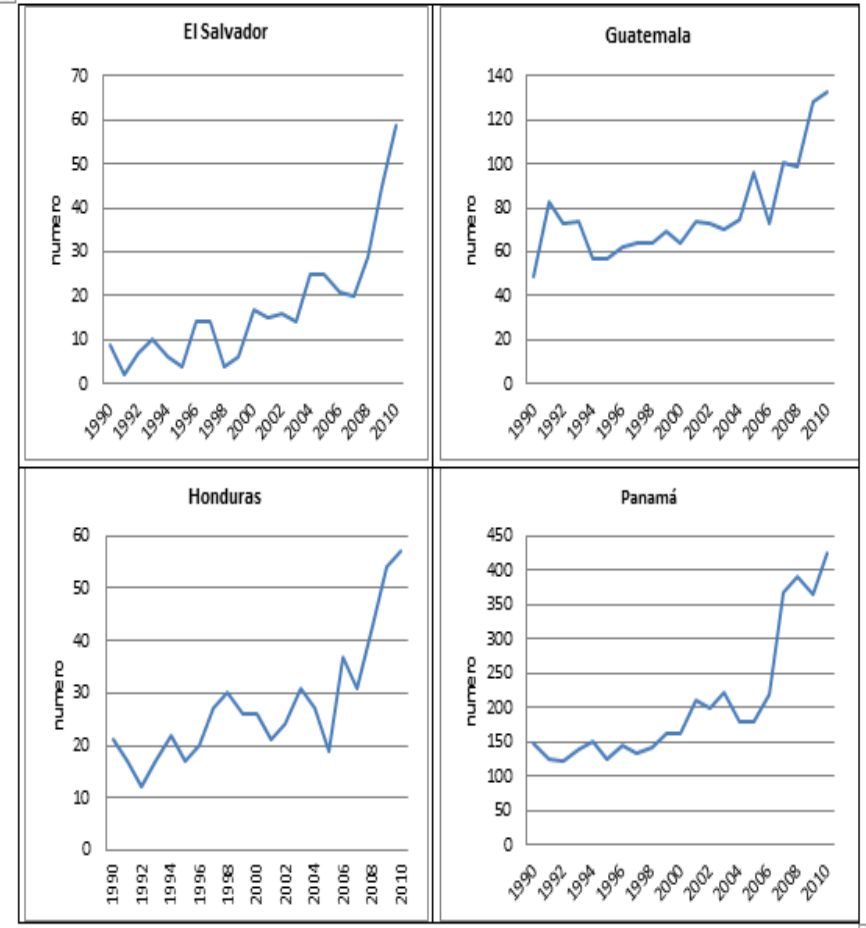
South America and Mexico

Number of scientific publications indexed in Science Citation Index

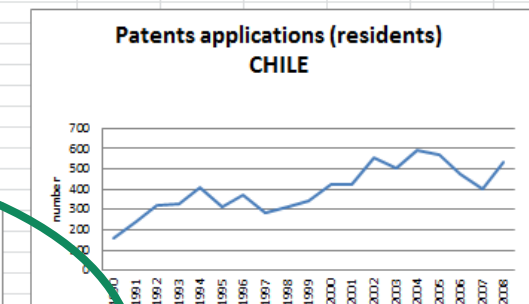
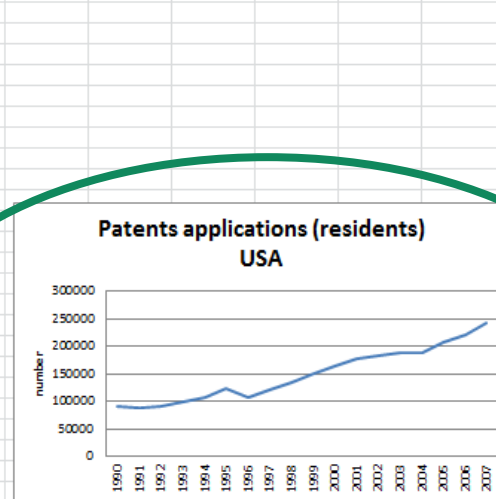
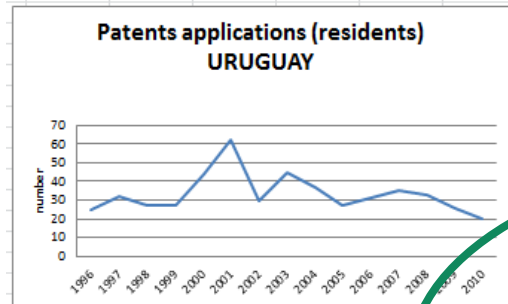
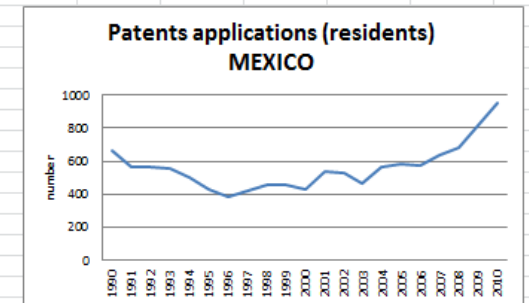
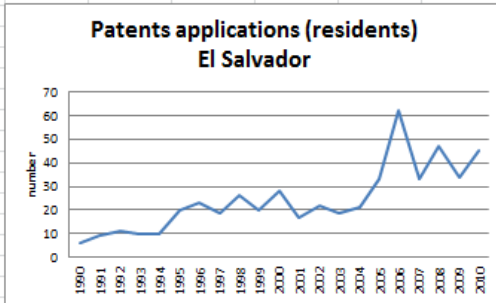
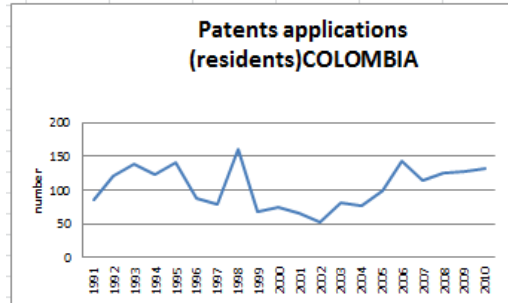
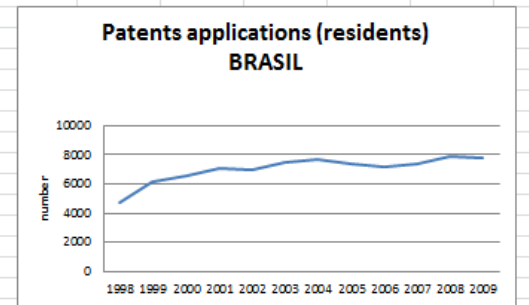
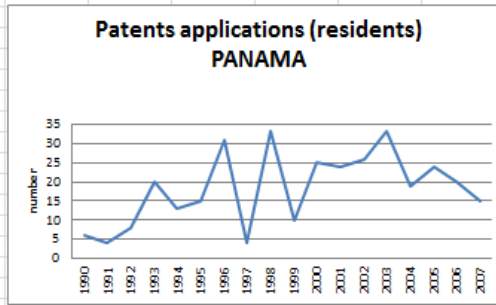
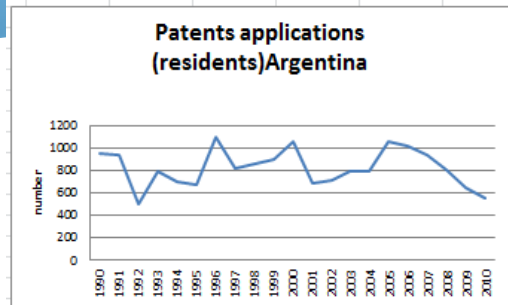


Source: own elaboration with data from RICIT

Central America



Fuente: Elaboración propia en base a datos de RICIT



INCENTIVES FOR PATENTING

Cuadro Comparativo - Universidades MERCOSUR

UNLP	UNC	UBA	UNICAMP	UFRS	UDELAR
Ord. 224/92	Res. N°70	Regl. 1990	Port. N° 125	Port. N° 3064	Res. 8/3/94
a 7	a 2, 6	a 6			
GI 50 %	GI 50 %	GI 50 %		GI 1/3	GI 50 %
F. 25%	U. 50 %*	U. 50 %*	-----	U. 2/3	U. 50%
U. 25 %					

*20% equipamiento
20% promoción de
investigación
10% gastos de gestión

*40% cátedra
20% fondo Inv.
40% docentes DT

Referencias

GI Grupo Investigador

F. Facultad, Departamento o Cátedra involucrada en la Inv.

U. Universidad

SOME CASES

Patent Search

◀ New Search

Search Results

Refine & filter ▶

US PATENT /APP. NO.	PATENT TITLE	PATENT OWNER	ISSUE/PUBLICATION DATE
2012/0128,929	Process of Preparing Magnetic Graphitic Materials, and Materials Thereof	UNIVERSIDAD DE LA REPÚBLICA;UNIVERSIDADE FEDERAL DE SAO CARLOS	May 24, 2012
2008/0305,559	Non-Competitive Immunoassays to Detect Small Molecules	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA;UNIVERSIDAD DE LA REPÚBLICA	Dec 11, 2008
2008/0237,533	Process for Preparing Magnetic Graphitic Materials, and Materials Thereof	UNIVERSIDAD DE LA REPÚBLICA;UNIVERSIDADE FEDERAL DE SAO CARLOS	Oct 2, 2008

MORE EXAMPLES

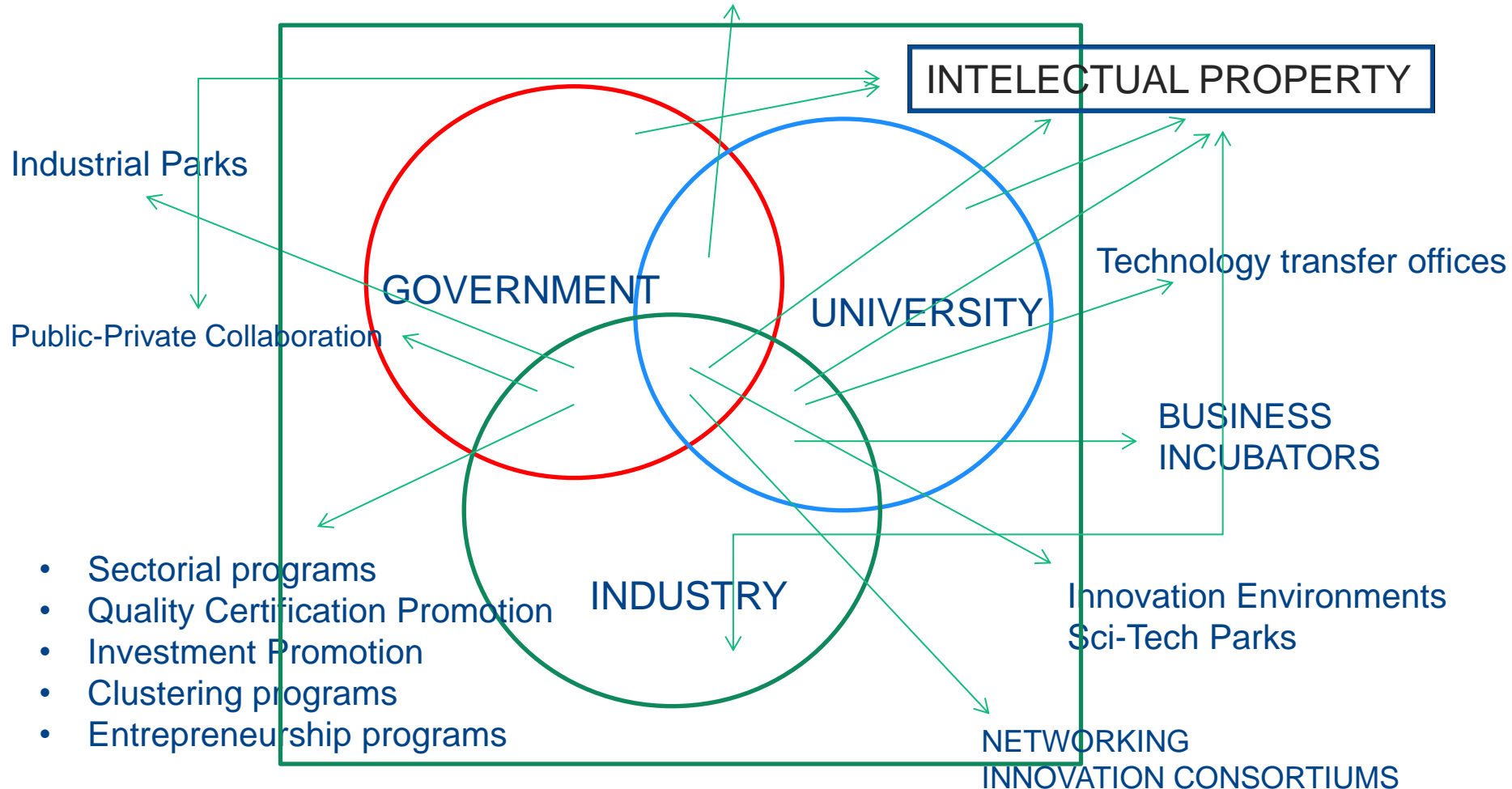
- ❖ **A TRADE MARK OF THE Faculty of Chemistry**
- ❖ **THE NEED OF PUBLIC POLICIES TO PROMOTE IP IN THE UNIVERSITIES**

PATENTING: A LONG AND TORTUROUS ROAD FOR THE RESEARCHER

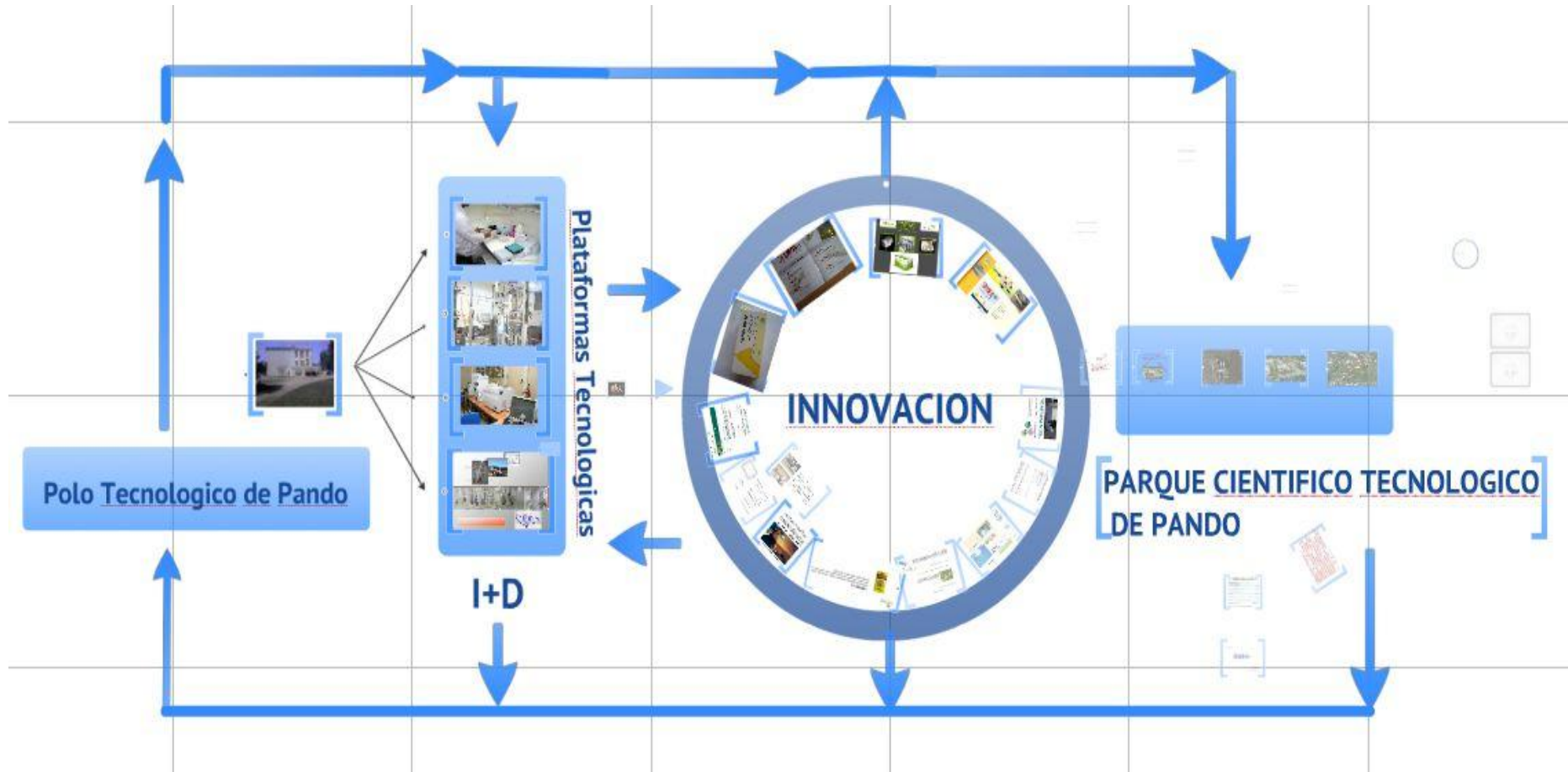
- ❖ **DIFICULT PROCESS**
- ❖ **NO INSTRUMENTS FOR SUPPORTING THE PROCESS**
- ❖ **THE RESEARCHERS MUST PUBLISH TO STAY IN THE RESEARCH SYSTEM (PUBLISH OR PERISH)**
- ❖ **LACK OF EXPERIENCE FOR NEGOCIATING WITH ENTERPRISES**
- ❖ **FEW SUCCESS STORIES TO ECOURAGE RESEARCHERS**
(MANY PATENTS NO MONEY YET)
- ❖ **NO SPECIALICED STRUCTURE AT THE UNIVERSITY FOR PATENT PROMOTION**
- ❖ **THE COUNTRY HAS NOT JOINED THE PCT YET**

PROMOTING IP IN THE TRIPLE HELIX

- SUBSIDIES COLLABORATIVE RESEARCH
- PROTOTYPE SUPPORT PROGRAMS



INNOVACION ENVIRONMENTS: SCIENTIFIC AND TECHNOLOGICAL PARKS AND IP



WIN-WIN RELATIONS IN PATENT BUSINESS

- ❖ **Cooperation agreements:**
international partners, know how and contacts (Two Success Stories)
Sharing utilities with partners.
Capacity building.
- ❖ **International cooperation: WIPO Program for Supporting Innovation Centers**

famestoy@fq.edu.uy



Thank You !