

First Meeting of the Intellectual Property Economists Network in Latin America



INPI Economic Affairs Advisory Overview: current and upcoming activities

Mexico, October 18th, 2016

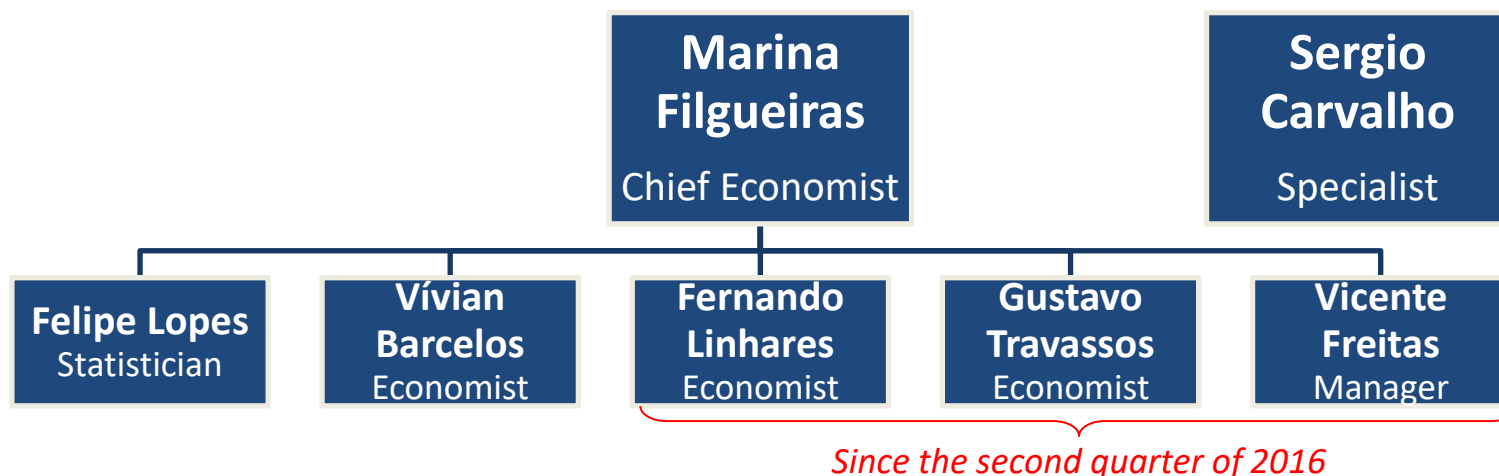




Agenda

- Economic Affairs Advisory
- Advances in IP Statistical Data
- Current and upcoming research activities
- Challenges

Economic Affairs Advisory



The **Economic Affairs Advisory (AECON)** is responsible for:

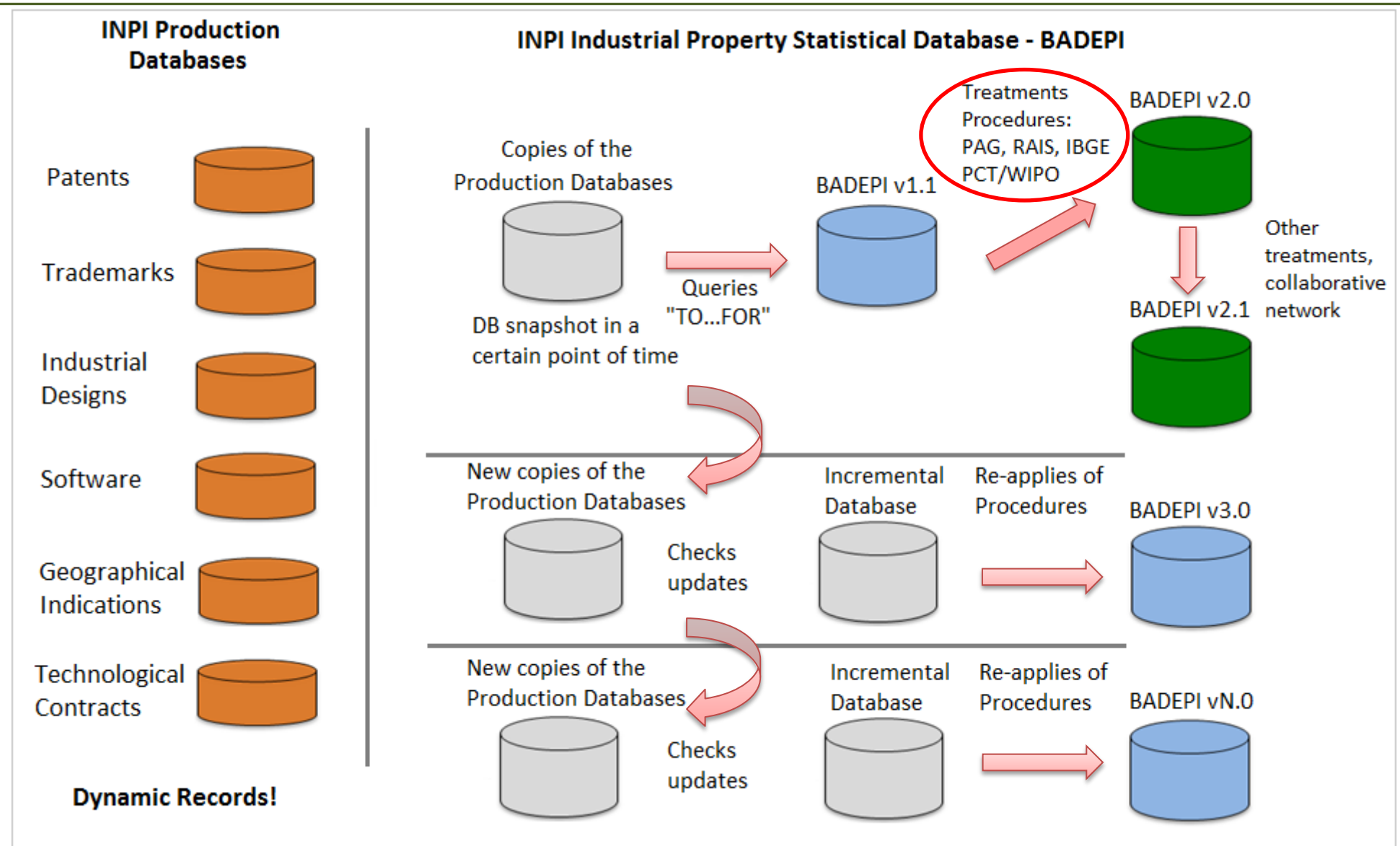
- Planning, preparing, publishing and keeping updated statistics of the INPI;
- Promoting, coordinating and implementing economic studies on the impact of intellectual property and the actions of the INPI on the national development process and the competitiveness of companies and economic sectors.

Advances in IP Statistical Data

INPI Intellectual Property Statistical Database – BADEPI (First Phase)

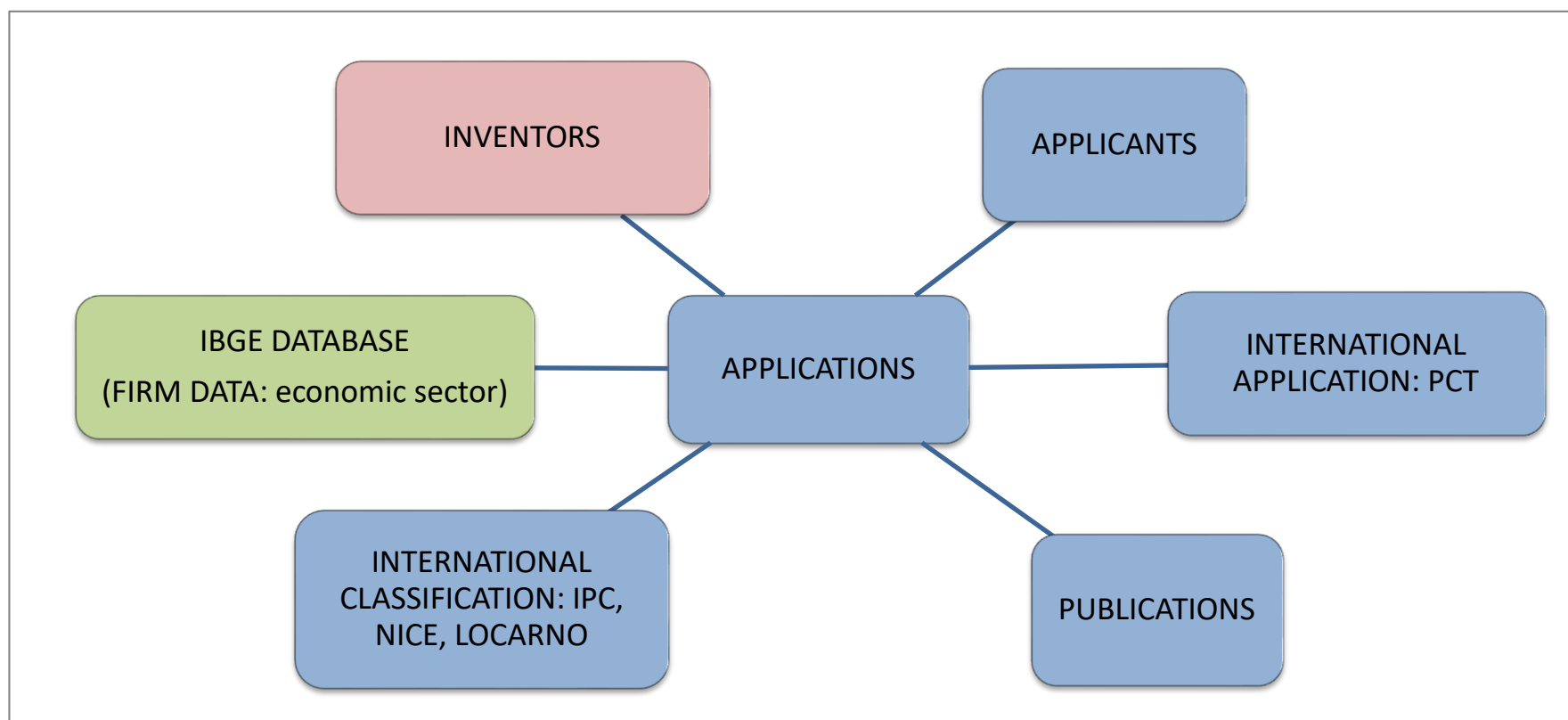
- The Brazilian IP Office (INPI) has, with the technical and financial support of WIPO/Economic and Statistical Division, prepared a database designed to assist in statistical research into intellectual property information.
 - Patents
 - Trademarks
 - Industrial Designs
 - Software
 - Geographical Indications
 - Technological Contracts
- IP Coverage:
- Time coverage: 2000-2012
- Collaborative Project between: INPI, WIPO and among Brazilian agencies
- Coordinated by INPI/AECON (Economic Affairs Advisory)

Advances in IP Statistical Data



Advances in IP Statistical Data

Conceptual Model: BADEPI_v1.0_type of protection



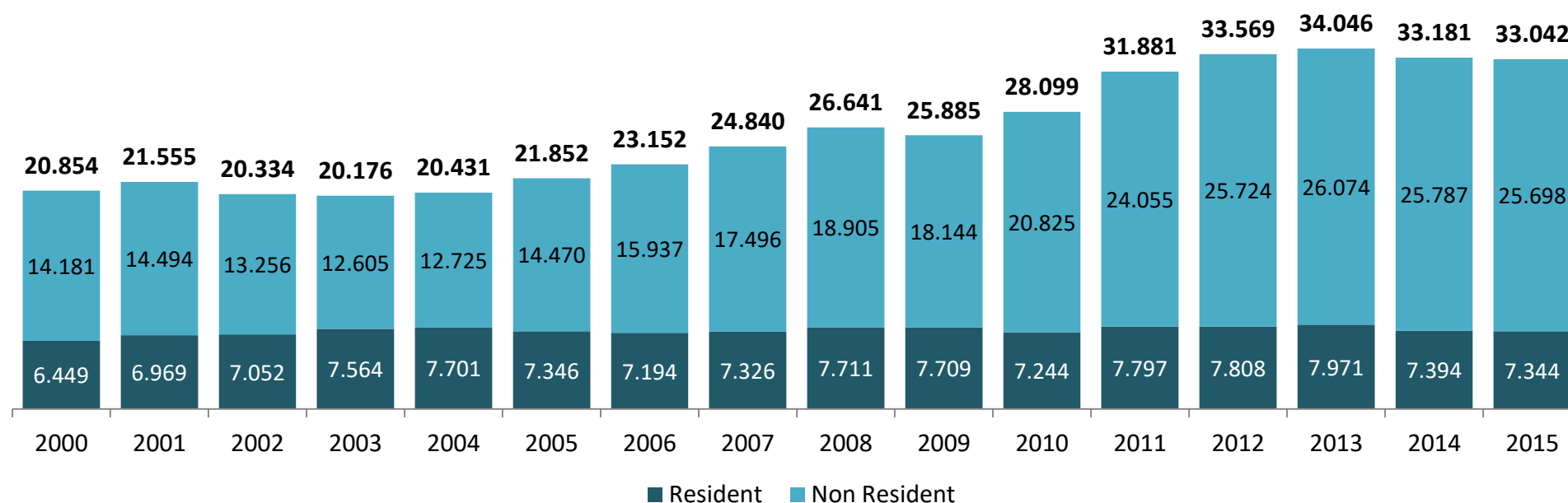
Advances in IP Statistical Data

INPI Intellectual Property Statistical Database – BADEPI (Current Phase)

- Use INPI Services Payment System (PAG) to infer data more efficient and in a monthly basis (*As discussed at WIPO meeting in 2013*)
- BADEPI is being updated with the new methodology, integrating PAG System and the Production Databases
 - *Identification of all services requested by users to INPI*
 - *Identification of resident applicants by type*
 - *Reduction of missing information*
- IP Coverage: similar to the first phase
- Time coverage: 2013-2015
- Coordinated by INPI/AECON (Economic Affairs Advisory)

Advances in IP Statistical Data

Patent applications by residents and non residents, 2000-2015*



Total Patent Applications

2000: 20.854

2015: 33.042

+58%

Share 2000/2015

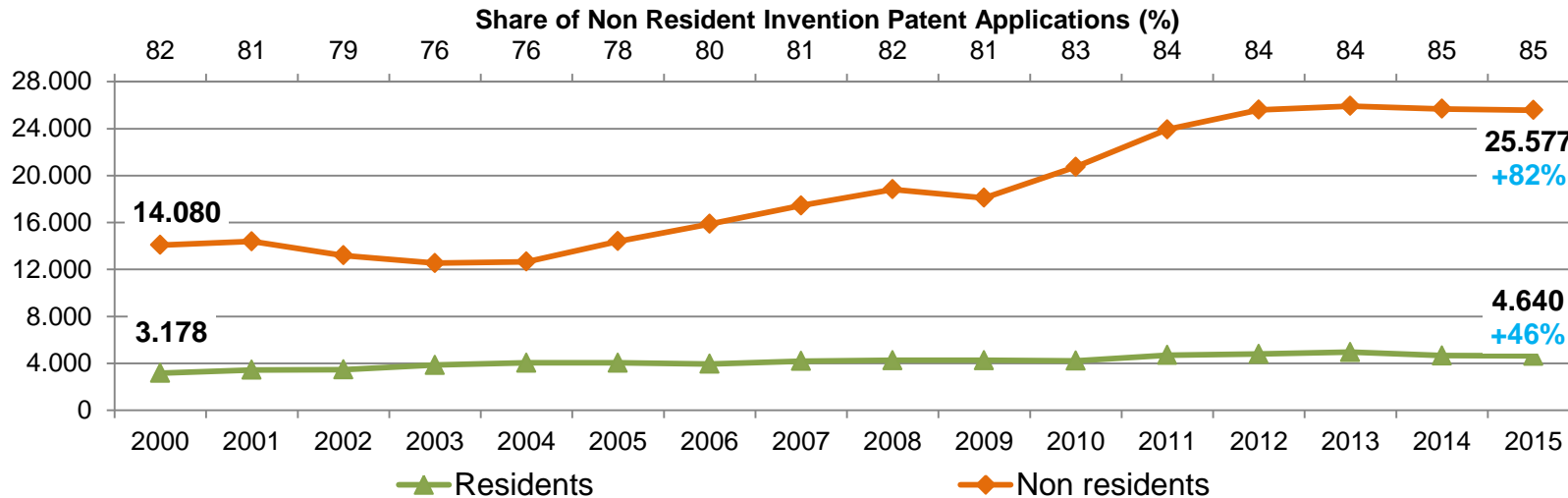
Patents: 84% to 91%

Utility Models: 16% to 8%

Addition certificate: 0,4% to 0,3%

Advances in IP Statistical Data

Invention Patent applications by residents and non residents, 2000-2015

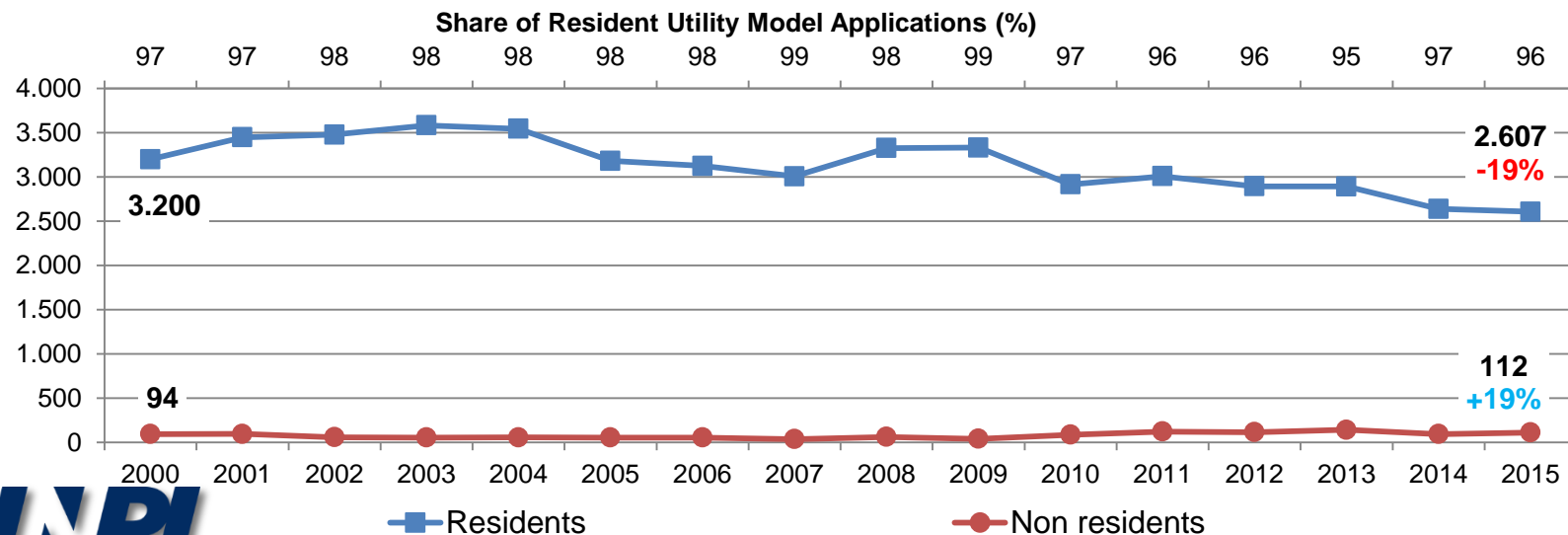


Changes in the share of Resident and Non resident applications 2000/2015

Non Residents:

Patents: 82% to 85%
Utility Models: 3% to 4%

Utility Model applications by residents and non residents, 2000-2015



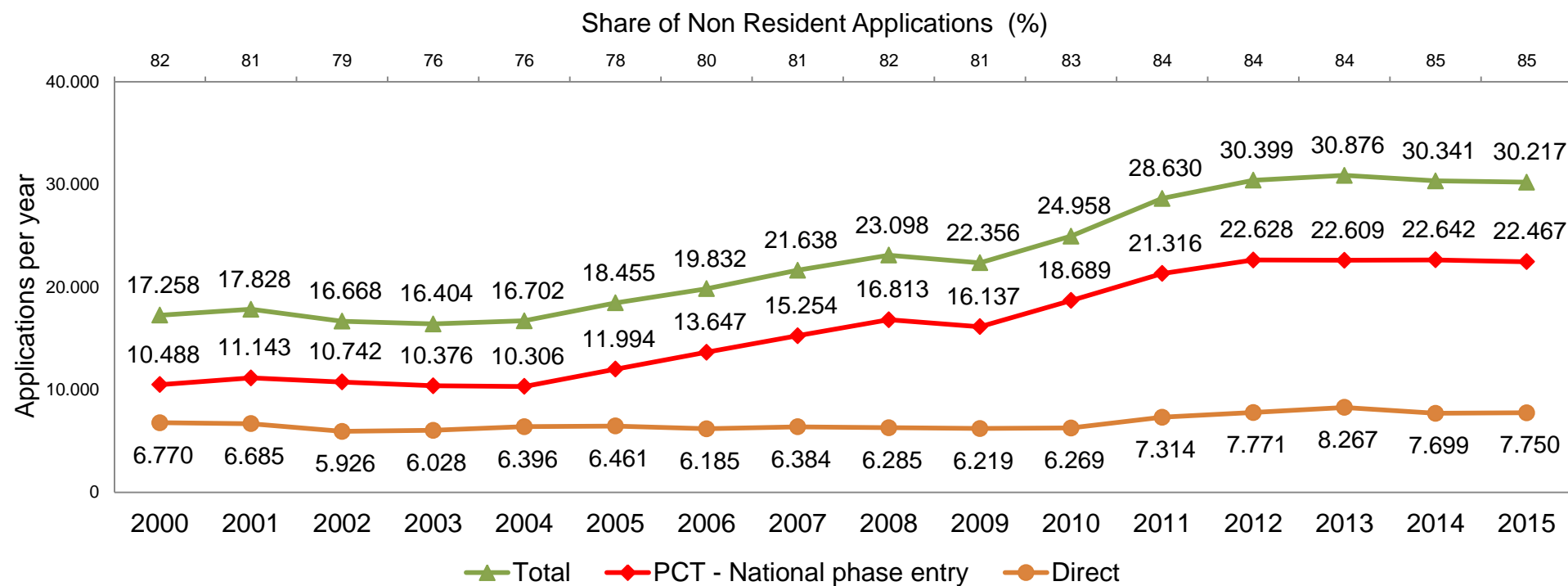
X

Residents:

Patents: 18% to 15%
Utility Models: 97% to 96%

Advances in IP Statistical Data

Patent applications (direct and PCT national phase entries), 2000-2015



PCT

2000: 10.488

2015: 22.467

+214%

Direct

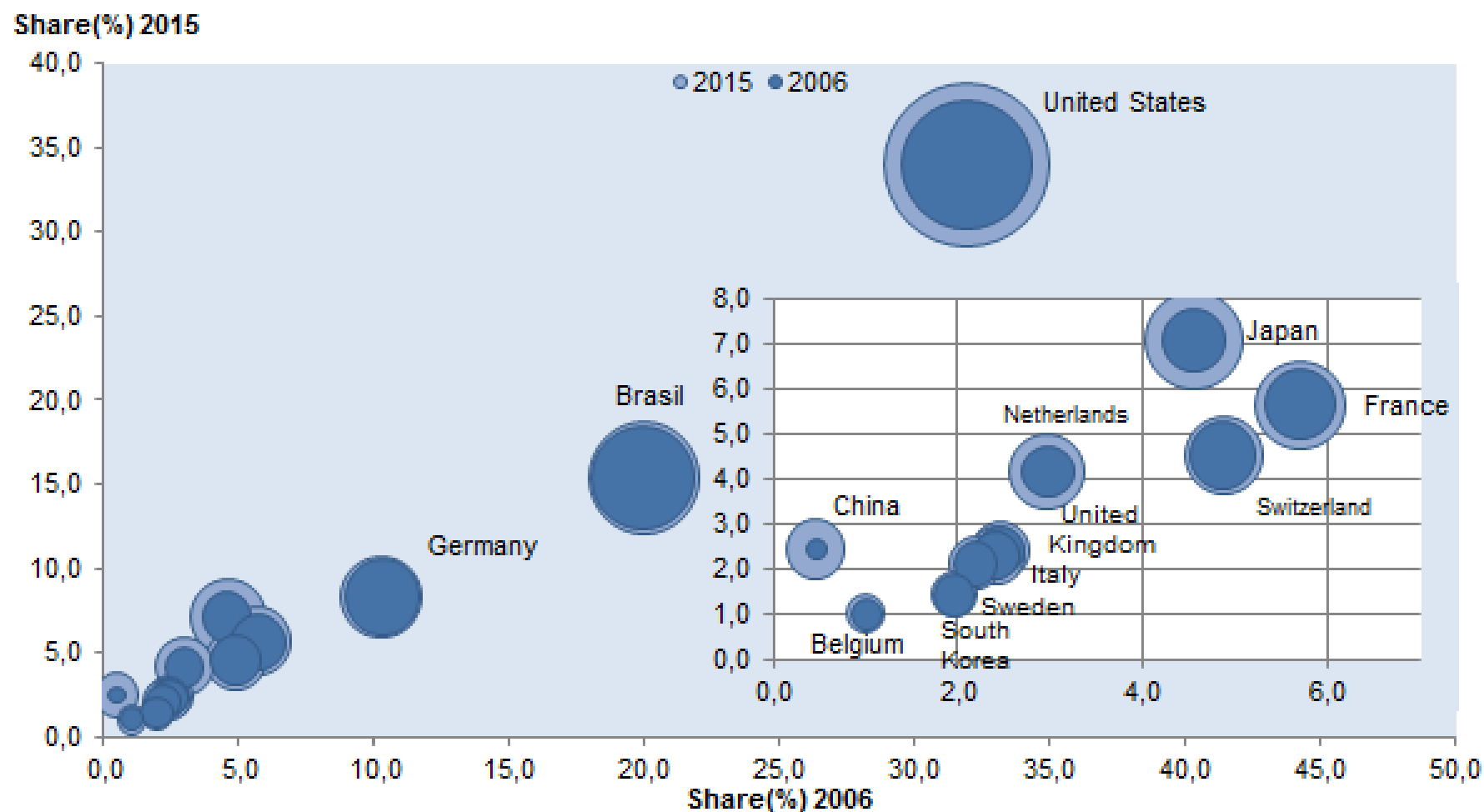
2000: 6.770

2015: 7.750

+14%

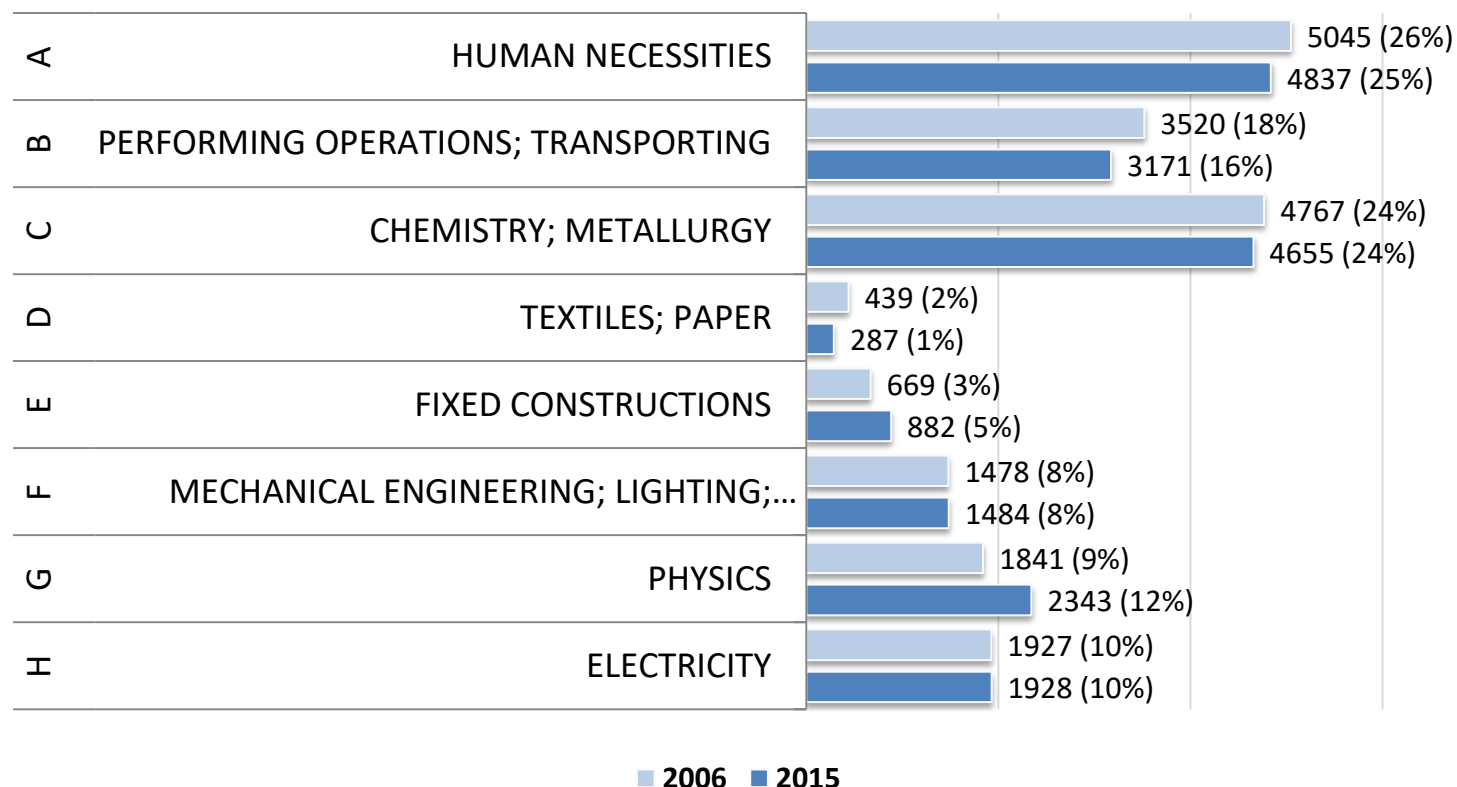
Advances in IP Statistical Data

Patents applications by country of origin, 2006/2015



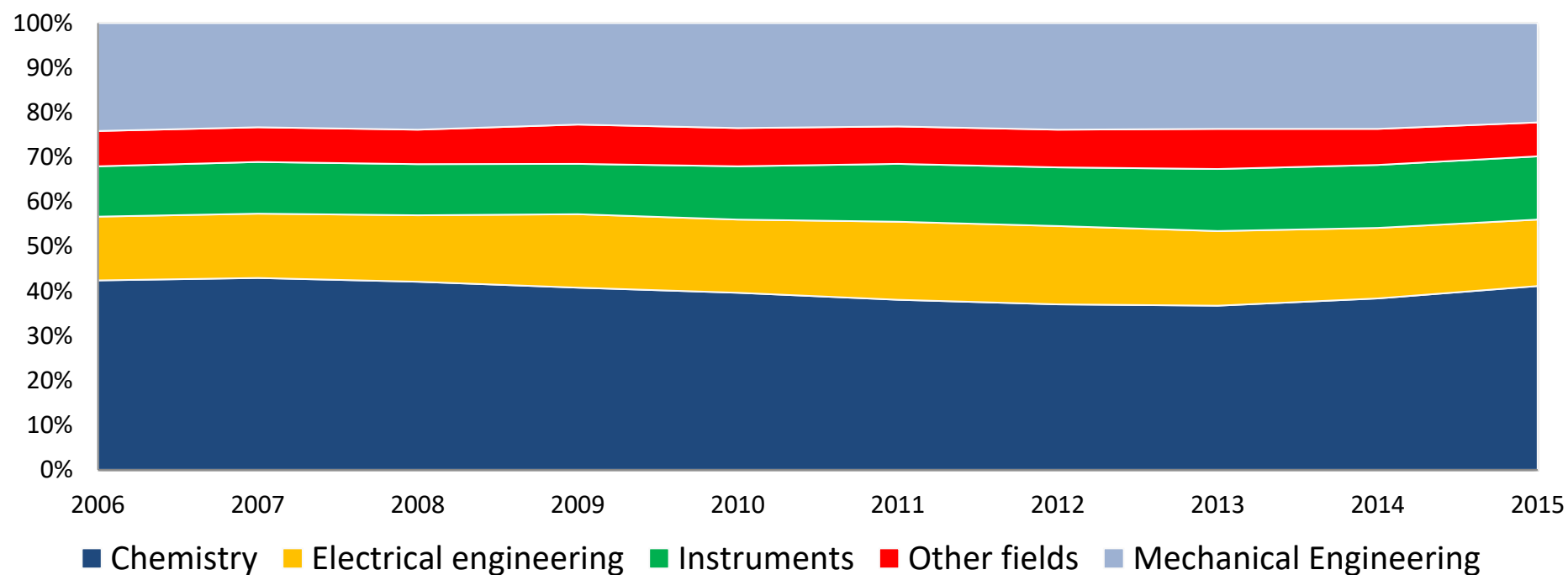
Advances in IP Statistical Data

Patent applications by IPC Classification, 2006/2015



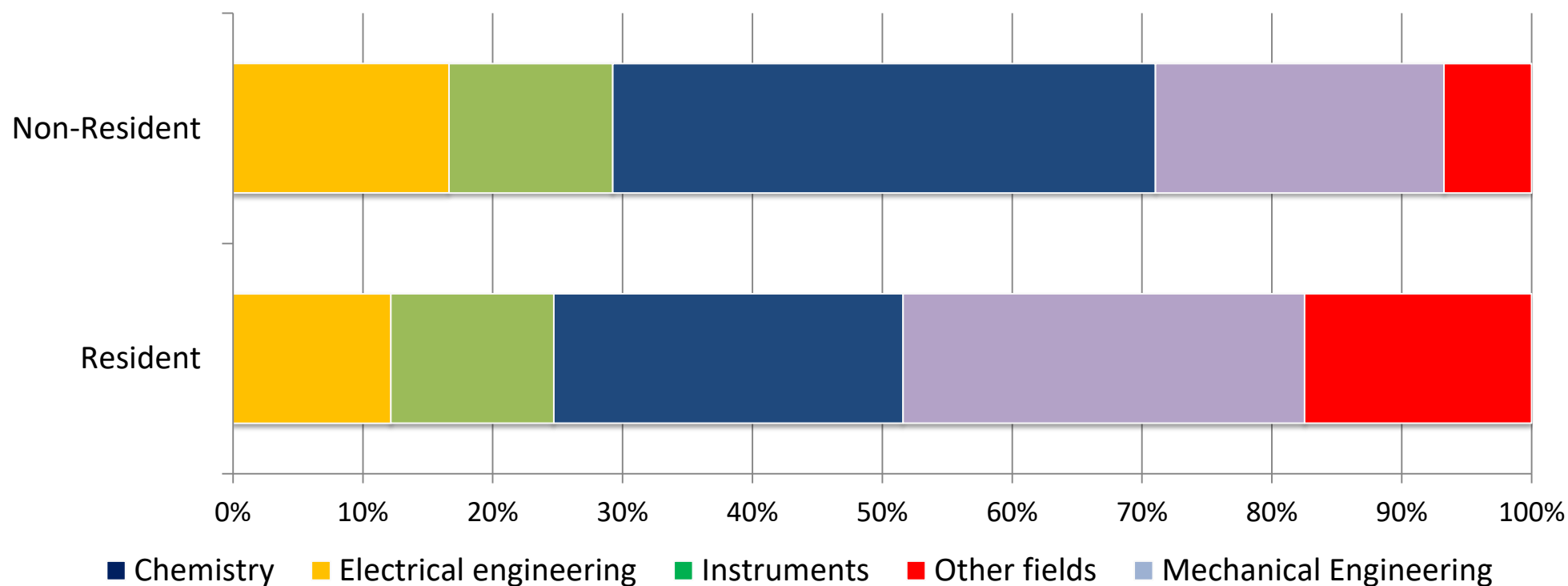
Advances in IP Statistical Data

Patent Applications by technology sectors, 2006-2015



Advances in IP Statistical Data

Patent Applications by technology field to residents and non residents , 2006-2015



Advances in IP Statistical Data

Top Non Resident applicants of Patents at INPI Brazil, 2000-2015

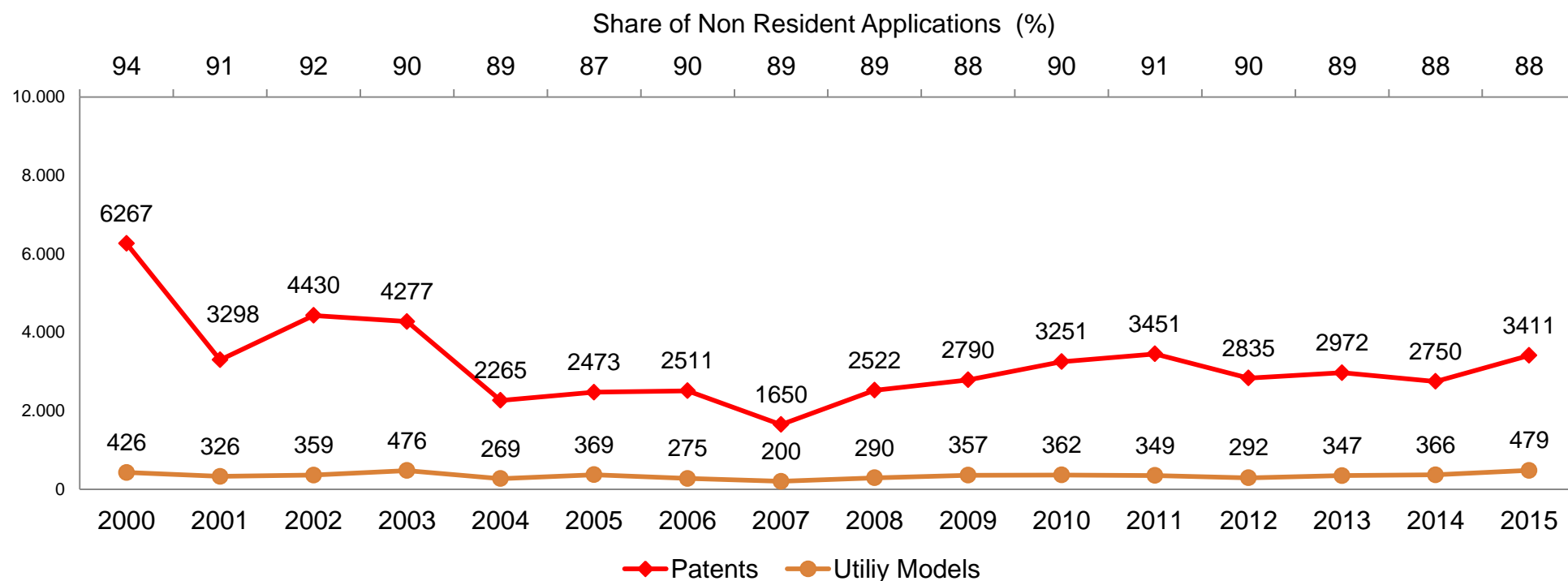
Patent	2000-2012		2013-2015	
	1	Basf	Philips	
	2	Qualcomm	Dow	
	3	The Procter & Gamble	Basf	
	4	Philips	General Eletric	
	5	Unilever	Halliburton	

Top Resident applicants of Patents at IP Brazil, 2000-2015

Patent	2000-2012		2013-2015	
	1	Petrobras	Whirlpool	
	2	Whirlpool	USP	
	3	UNICAMP	UNICAMP	
	4	USP	Petrobras	
	5	UFMG	UFMG	

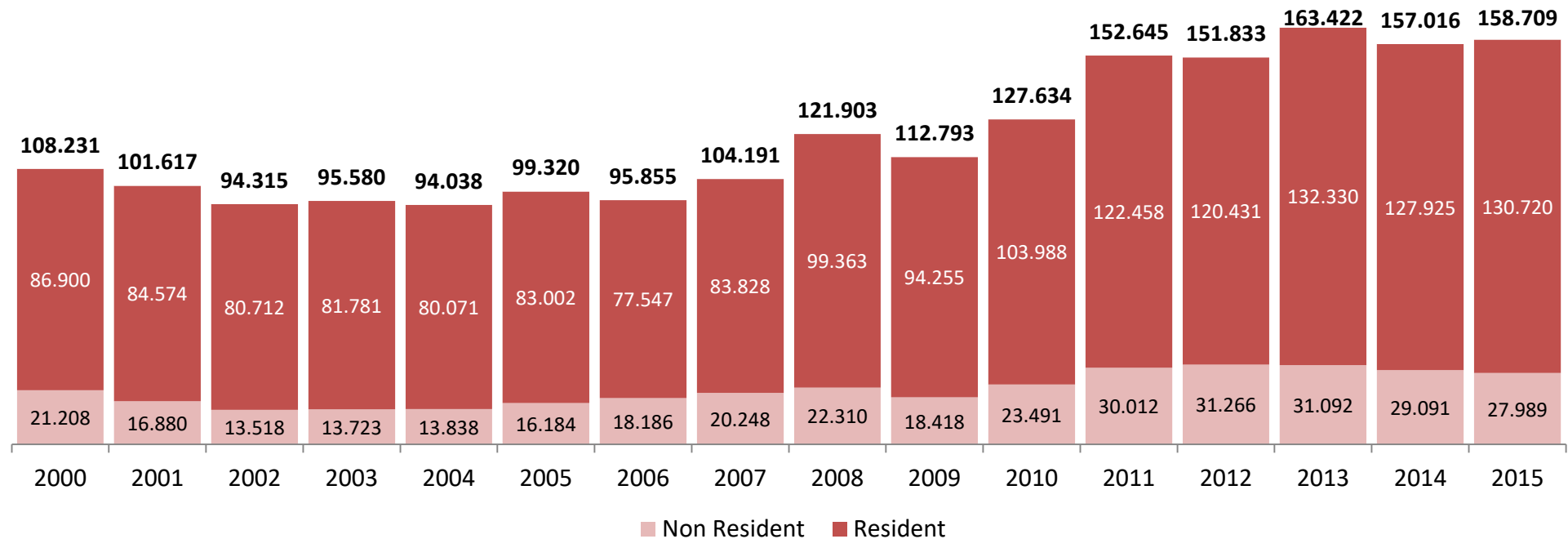
Advances in IP Statistical Data

Patents granted by type, 2000-2015



Advances in IP Statistical Data

Trademark Applications by residents and non residents, 2000-2015



Total Trademark Applications

2000: 108.231
2015: 158.709

+47%

Share 2000/2015

Residents:

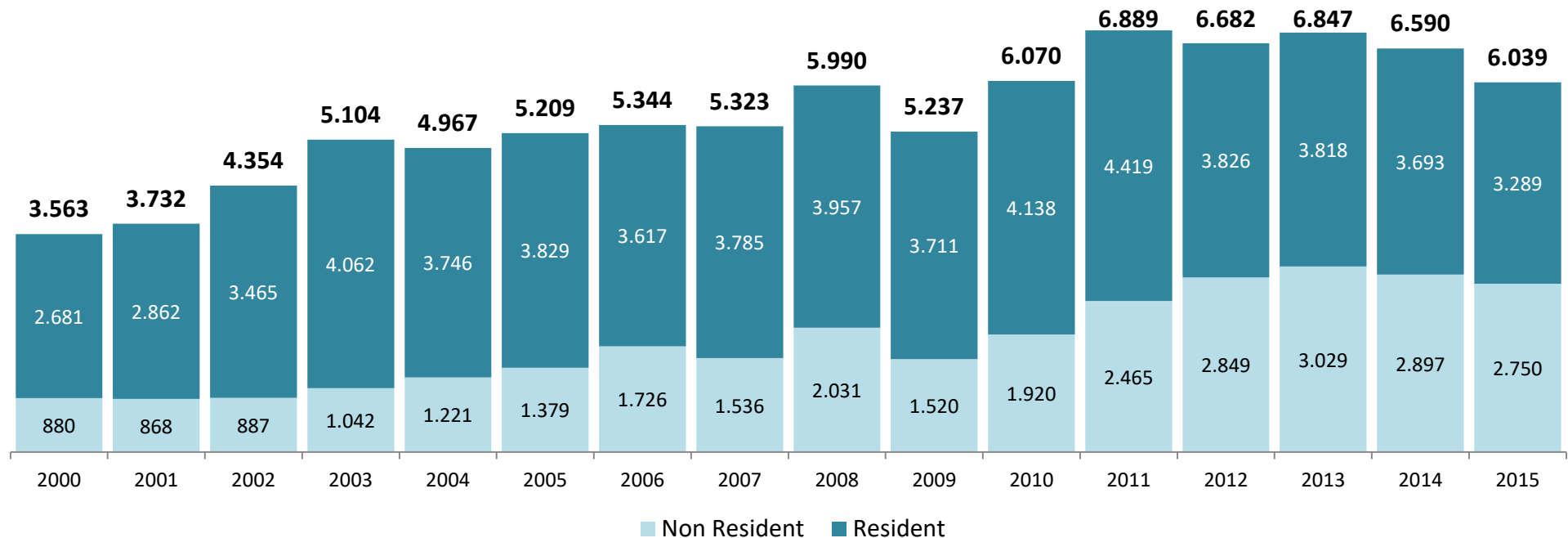
80% to 82%

Non Residents:

20% to 18%

Advances in IP Statistical Data

Industrial Design Applications by residents and non residents, 2000-2015

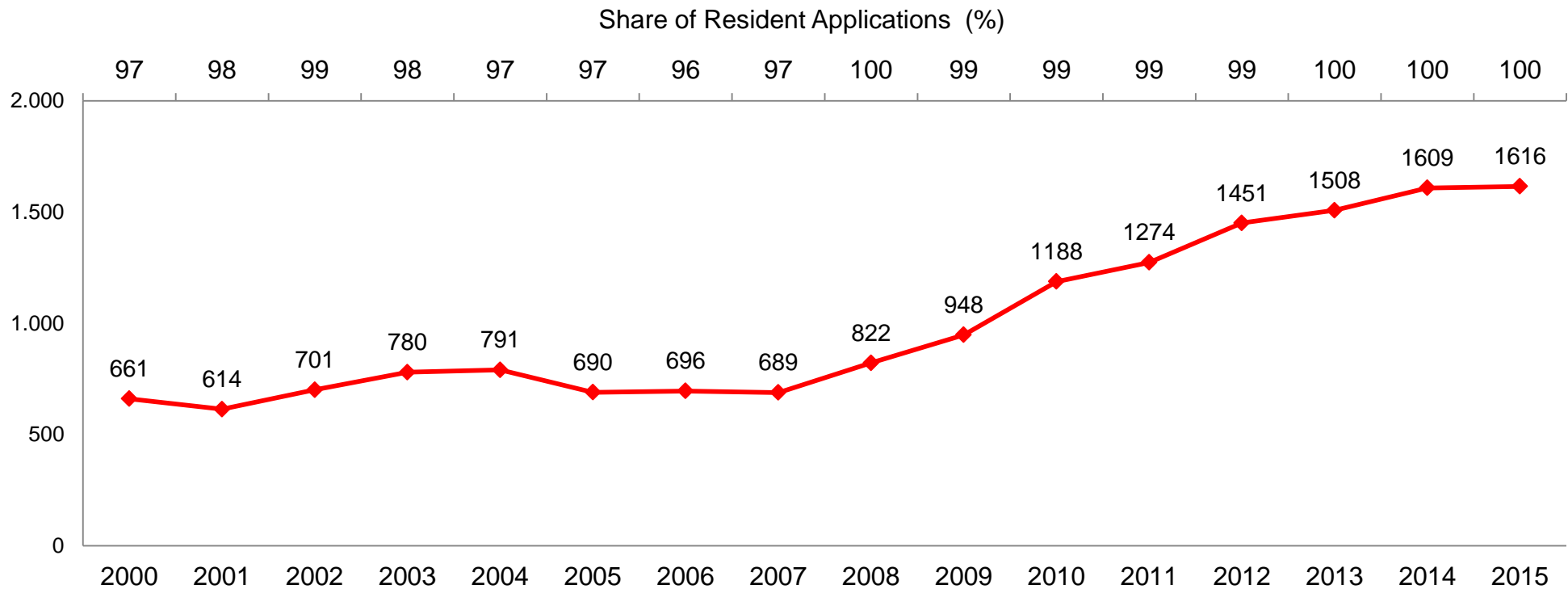


Total Trademark Applications
2000: 3.563
2015: 6.039
+70%

Share 2000/2015
Residents:
75% to 54%
Non Residents:
25% to 46%

Advances in IP Statistical Data

Software Applications by residents and non residents, 2000-2015



Total Software Applications

2000: 661

2015: 1.616

+244%

Current and upcoming research activities

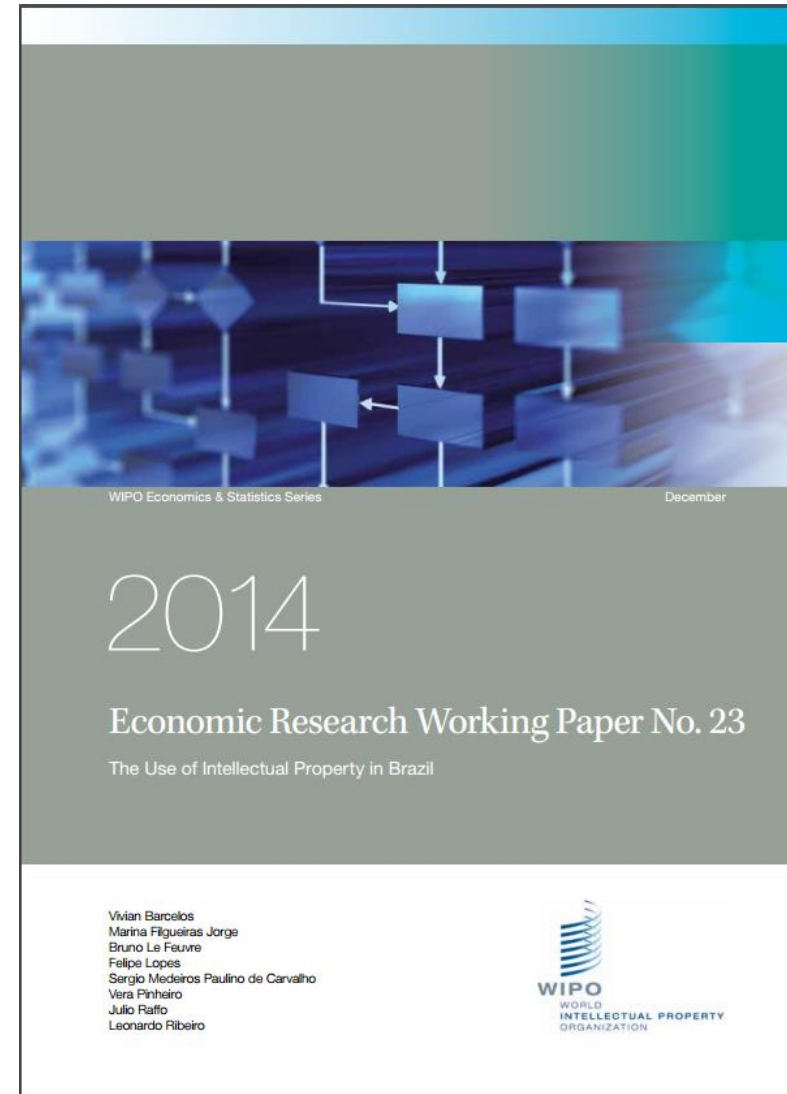
Current Publications

- Industrial Property Indicators
- Industrial Property Newsletter
- Top Resident Applicants Report
- Trademarks Panel

Current and upcoming research activities

Industrial Property Indicators

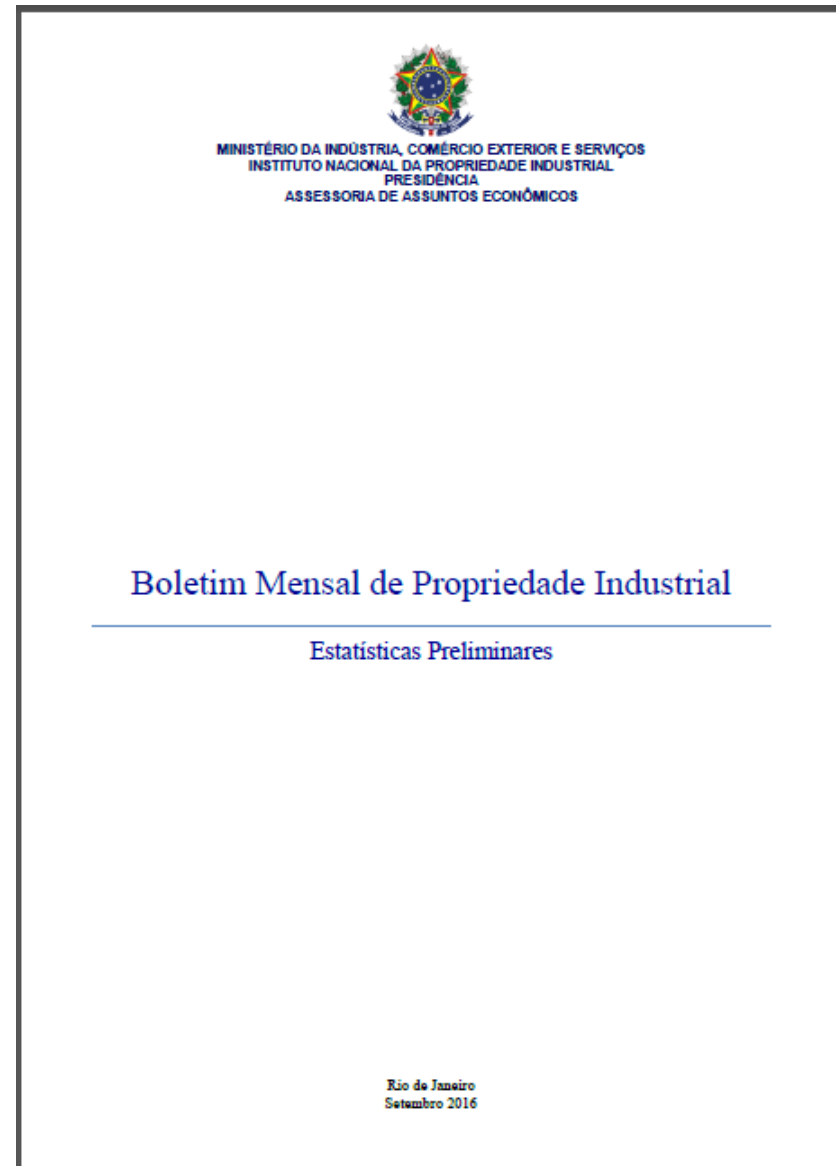
- Published as a WIPO Economic Research Working Paper in 2014
- IP Coverage: 2000-11 (patent, utility model, industrial design and software data) and 2000-12 (trademarks, geographical indications and technological contracts)
- Currently we have been updating this report from 2006 to 2015. New data was included, like *patents in force*.



Current and upcoming research activities

Industrial Property Newsletter

- Monthly publication (started in January, 2016)
- IP Coverage: patent, utility model, trademarks, industrial design, software geographical indications, technological contracts and topographic of integrated circuits
- This report presents the main data of applications and decisions

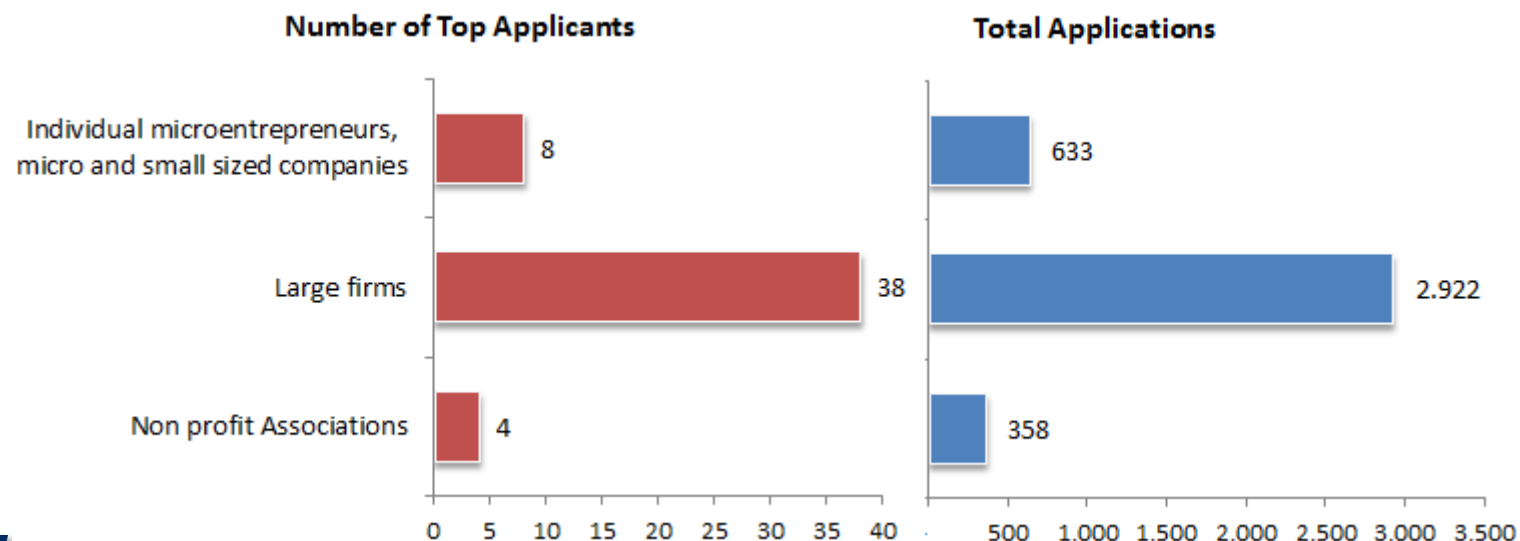


Current and upcoming research activities

Top Resident Applicants Report

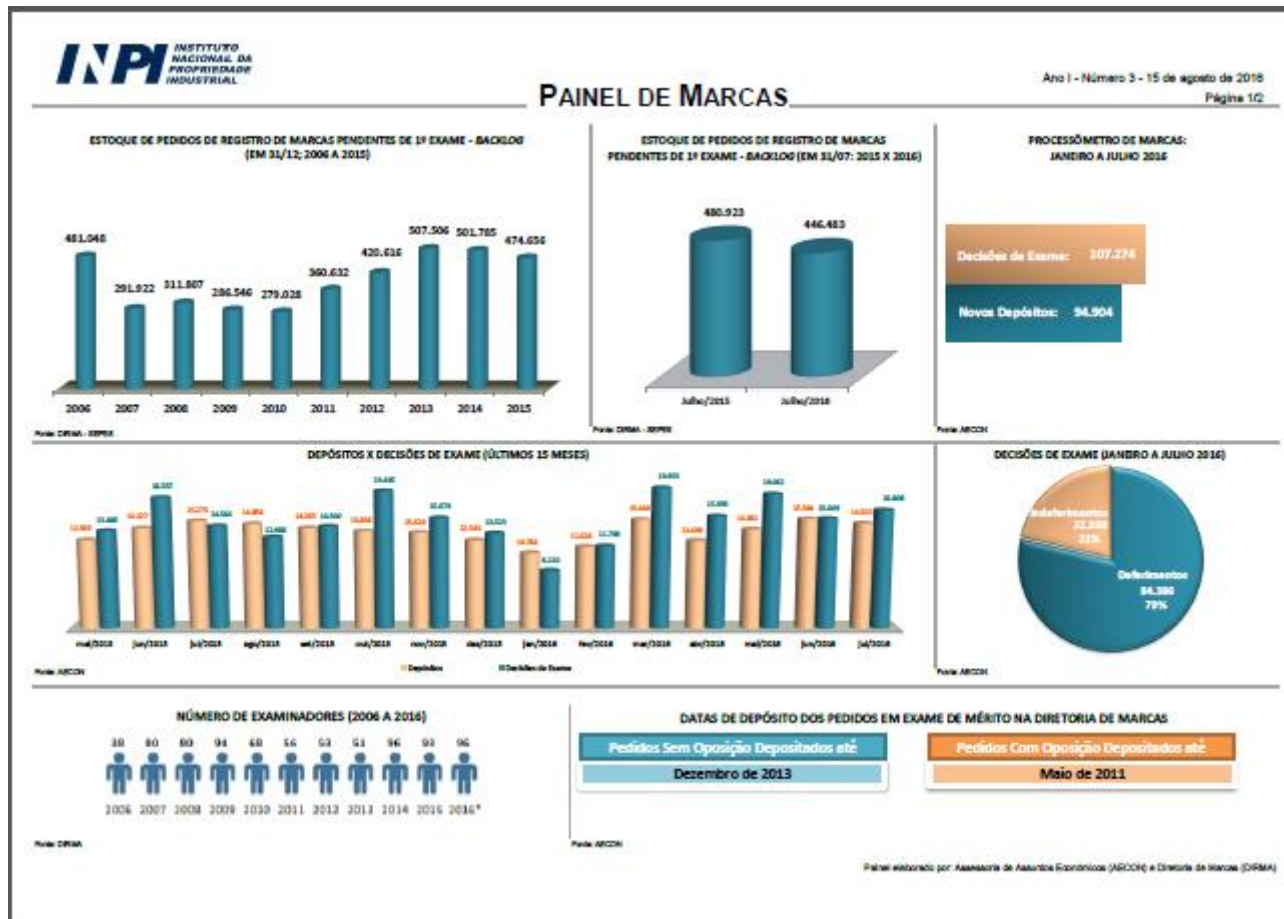
- Published as a *special edition* of the **Industrial Property Newsletter**
- Currently, we're finishing the **Top non residents Report**

Top resident trademark applicants and applications by firm type, 2015



Current and upcoming research activities

Trademarks Panel



- Monthly publication (started in July, 2016)
 - Developed jointly with the Trademarks Board
- This report presents the main data of Trademark applications and decisions

Current and upcoming research activities

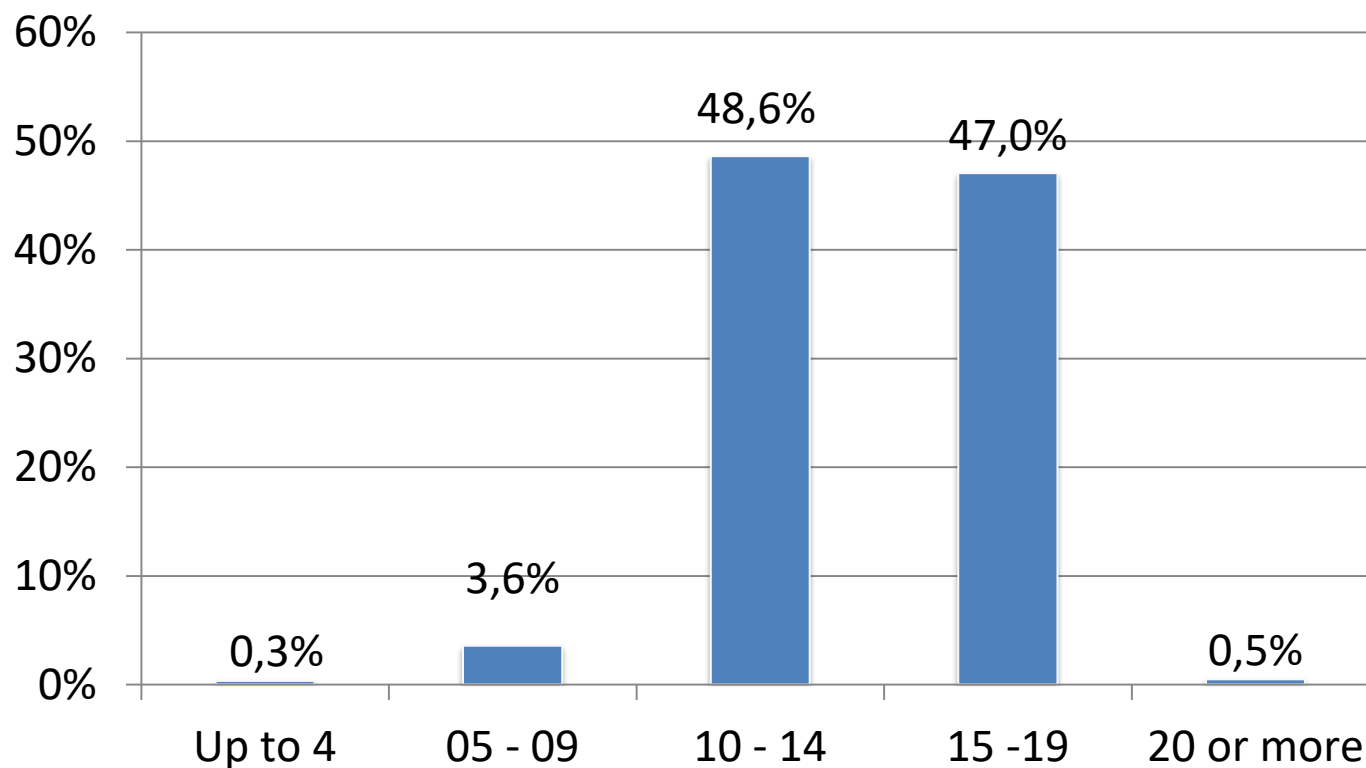
Upcoming Publications

- Patents in Force
- Backlog of Patents
- Priority examination of patents
- Studies by economic sector
 - Cooperation agreement with FIESC (a Brazilian State industry federation)
 - Têxtil sector

Current and upcoming research activities

Patents in force

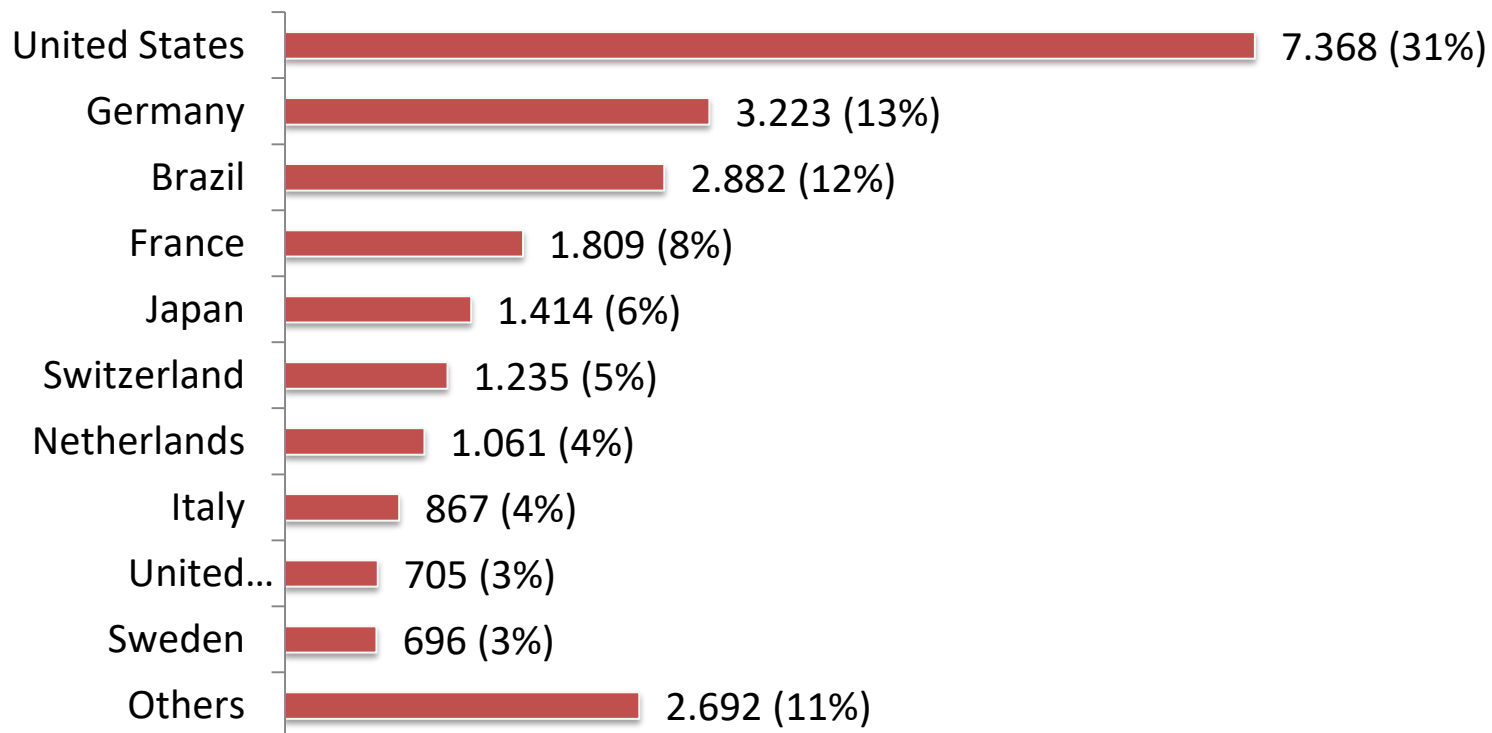
Total of Patents in force by age, December 2015



Current and upcoming research activities

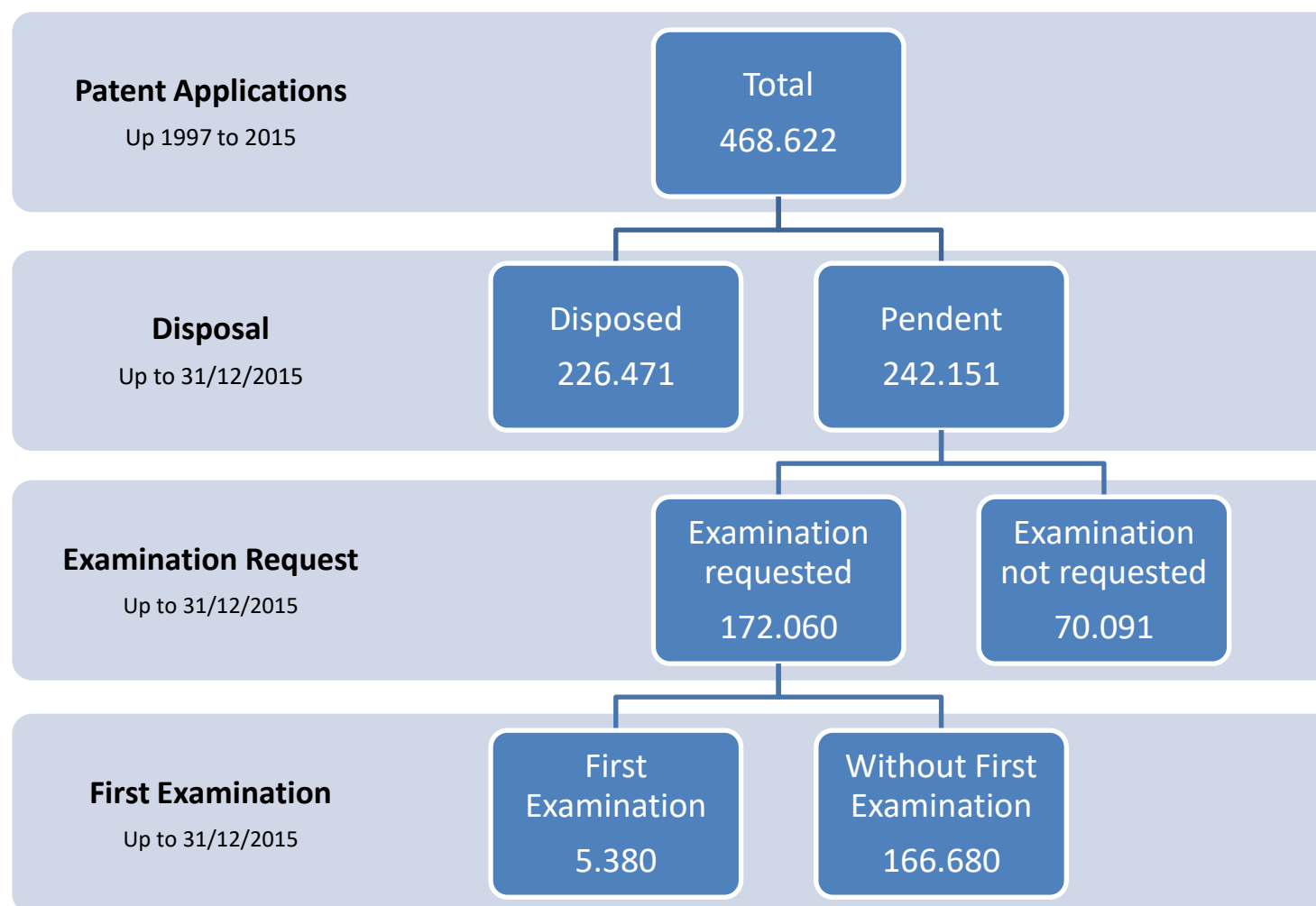
Patents in force

Total of Patents in force by country of origin, December 2015



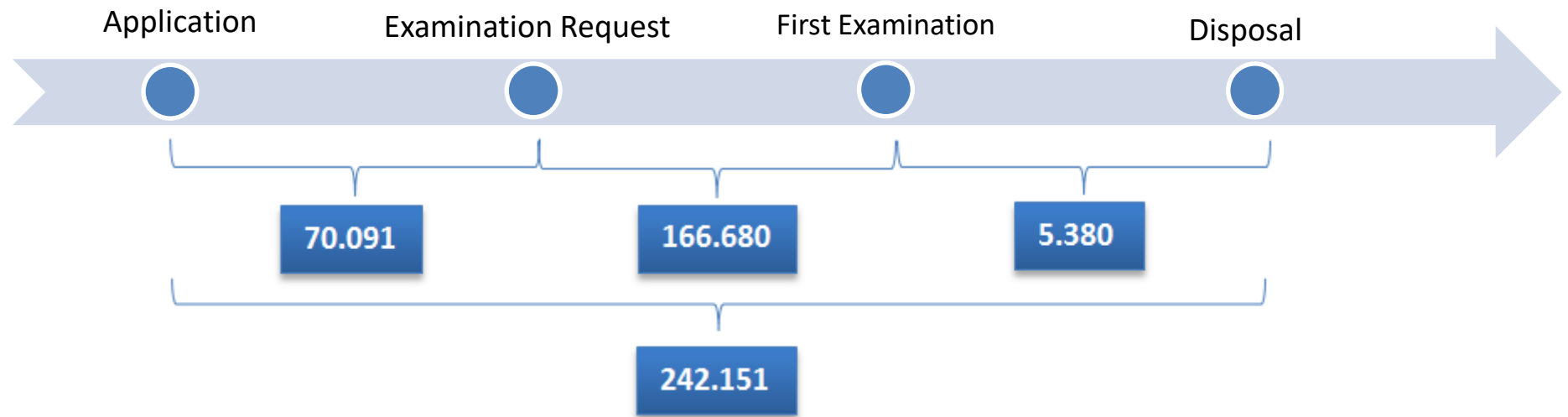
Current and upcoming research activities

Backlog of Patents



Current and upcoming research activities

Backlog of Patents



- Database problems before 1997
- Payment system (PAG) unavailable before 2004
- Examination pattern at preliminary and final decisions
- Payment and examination systems are not automatically linked
- Former decision codes are different from the current ones

Current and upcoming research activities

Priority examination of patents

Total Requests of Priority Examination at INPI Brazil, 2016*

INPI Classification of Priority examination	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	Total
Collaborative Priority Examination (Patent Prosecution Highway - PPH)										22	22
Priority Examination	401	380	327	369	488	386	504	415	388	518	4.176
Estrategic Priority Examination (Green Patents)						47	117	150	121	42	477
Total	401	380	327	369	488	433	621	565	509	582	4.675

Total Requests of Priority Examination by Type of Program at INPI Brazil, 2016*

Priority Examination by Type of Program	Jan	Fev	Mar	Abr	Mai	Jun	Jul	Ago	Total
Micro-enterprise or small companies		1	32	6	7	3	4	5	58
BR Priority	80	32							112
Others	44	58	77	72	41	51	41	28	412
Total	124	91	109	78	48	54	45	33	582

Challenges

- Internal management reports
- Increasing internal/external demand
- Information release format
- Metodology to define non residents applicants economic sector
 - For residents the National Classification of Economic Activities (CNAE) was used, corresponding to the classification of ISIC Rev.4.

Thanks!

INPI Brazil Economic Affairs Advisory

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www.inpi.gov.br/estatisticas