



# **An Overview of IP Data Collection and Dissemination**

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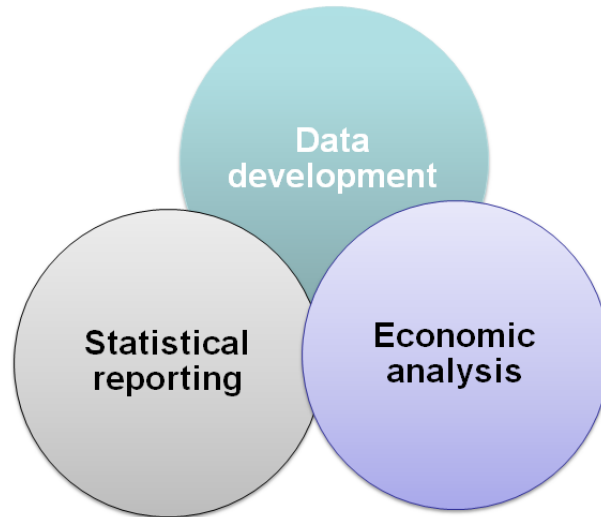
# Introduction

- Background information
- Importance of S&T indicators
- WIPO's [IP] Statistics databases
- Annual IP survey
- Dissemination of IP data
- Future improvements

# Background

■ What is WIPO?

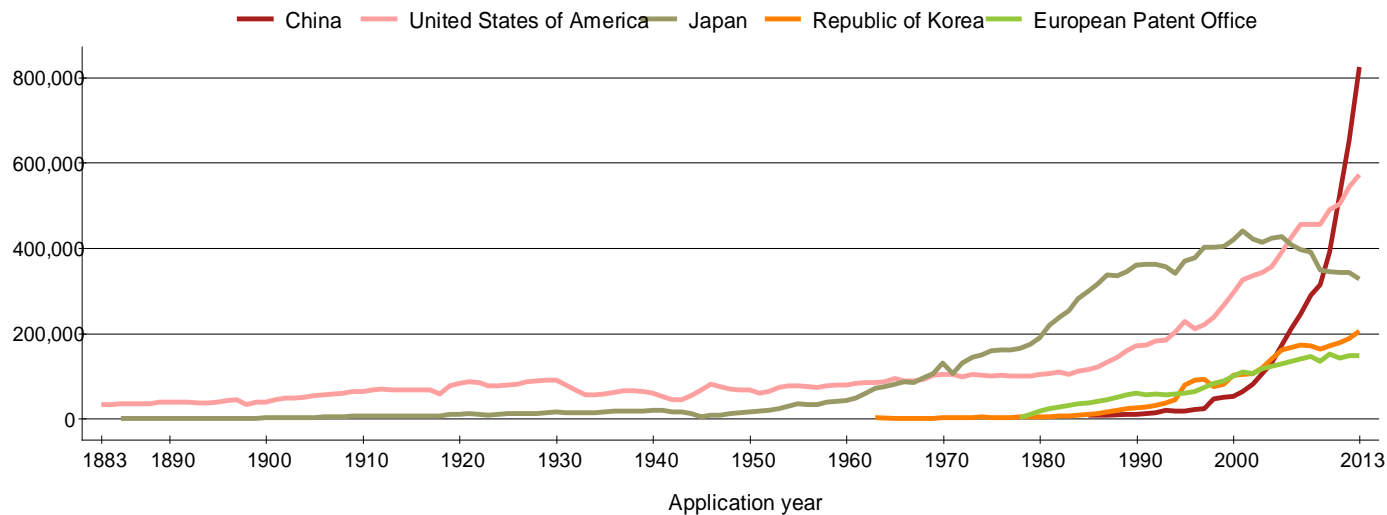
■ What are the activities of ESD?



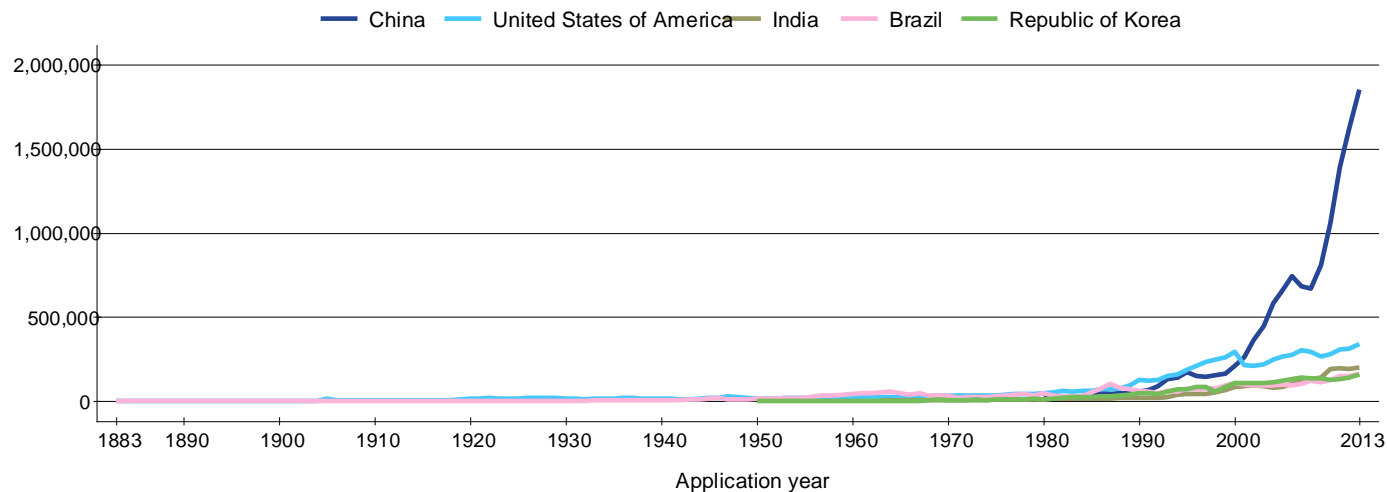
# Importance of S&T indicators

- Why do organizations spend time and money on collecting S&T indicators?
- Link between IP and S&T indicators

# Growing demand for IP rights [1/3]



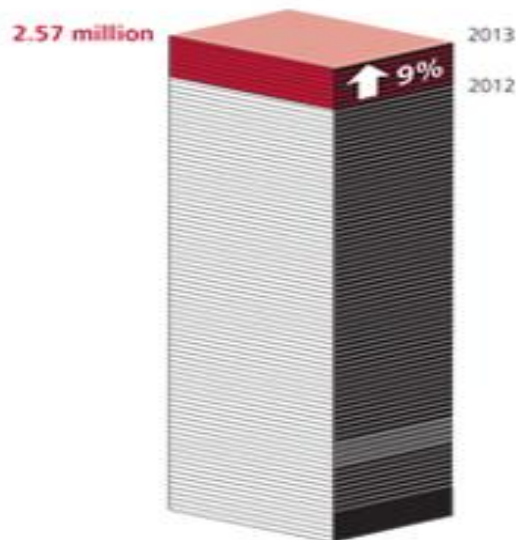
Patents



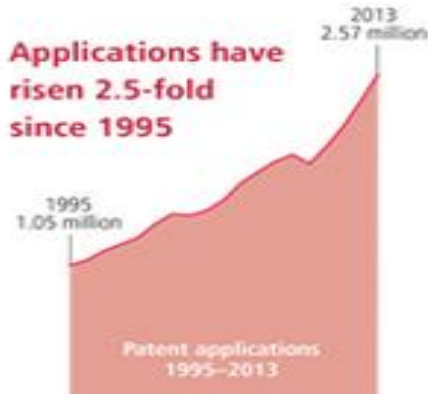
Trademarks

# Growing demand for IP rights [2/3]

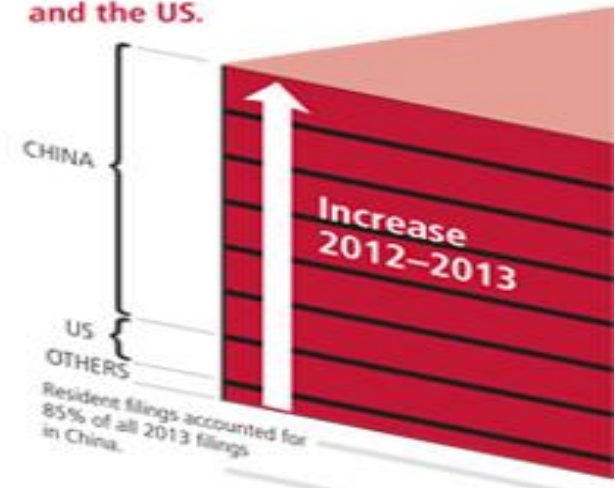
**Patent applications surpass 2.5 million in 2013**



**Applications have risen 2.5-fold since 1995**



**Driving that strong growth were filings in China and the US.**



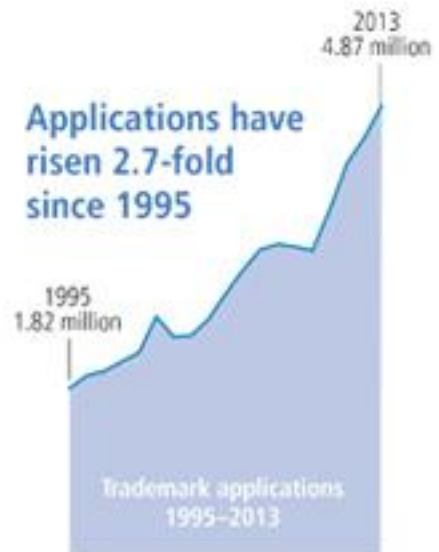
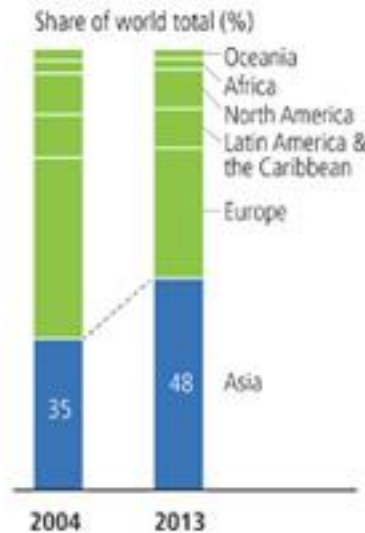
Resident filings accounted for 85% of all 2013 filings in China.

# Growing demand for IP rights [3/3]

Trademark applications approach 5 million in 2013



Asia has significantly increased its world share



© WIPO

# Example of use of IP data [1/2]

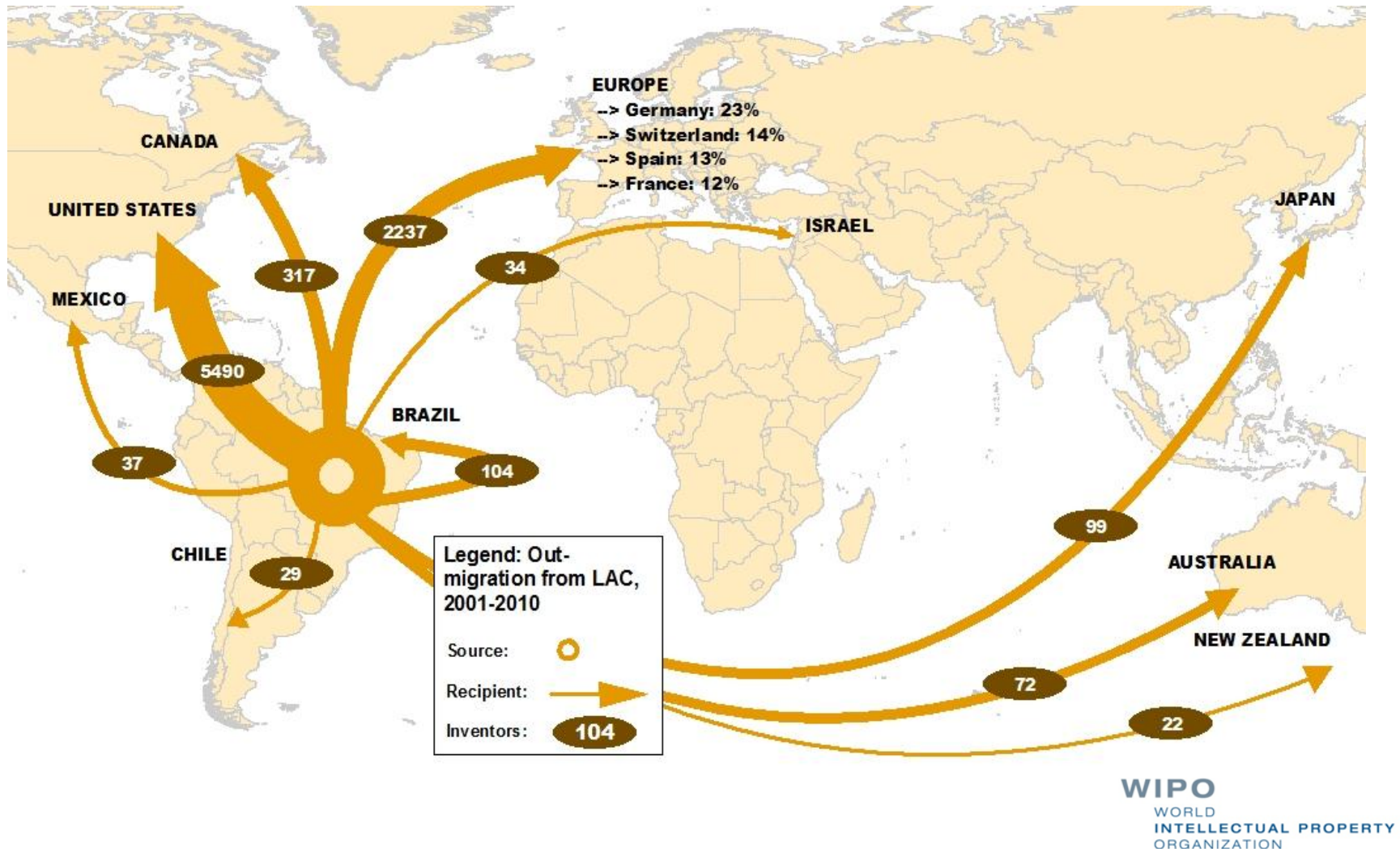
The image displays two overlapping screenshots of web browsers, illustrating the use of IP data in financial news reporting.

The top browser window shows the FT.com website. The main article is titled "Europe continues to fall behind in race to innovate" by Sarah Gordon, Business Editor, dated December 16, 2014. The article discusses Europe's share of global patents and its lowest percentage ever, while the US continued to lead the international race in 2013. A sidebar on the left features a Huawei logo and text about patent filings.

The bottom browser window shows the Fortune.com website. The main article is titled "Chinese firms ramp up R & D spending as they catch up with the West" by Michael Casey, dated October 27, 2014. The article discusses how women can restore America's middle class. A sidebar on the left lists other news items, including "Why Vanguard and BlackRock could beat Peltz and Icahn" and "Reddit bans groups over harassment, raising questions of censorship".



# Example of use of IP data – inventor migration [2/2]



# WIPO's IP statistics databases

## ■ Unit record data

- International applications and registrations
  - PCT system/ Madrid system/ Hague system

## ■ Aggregate data

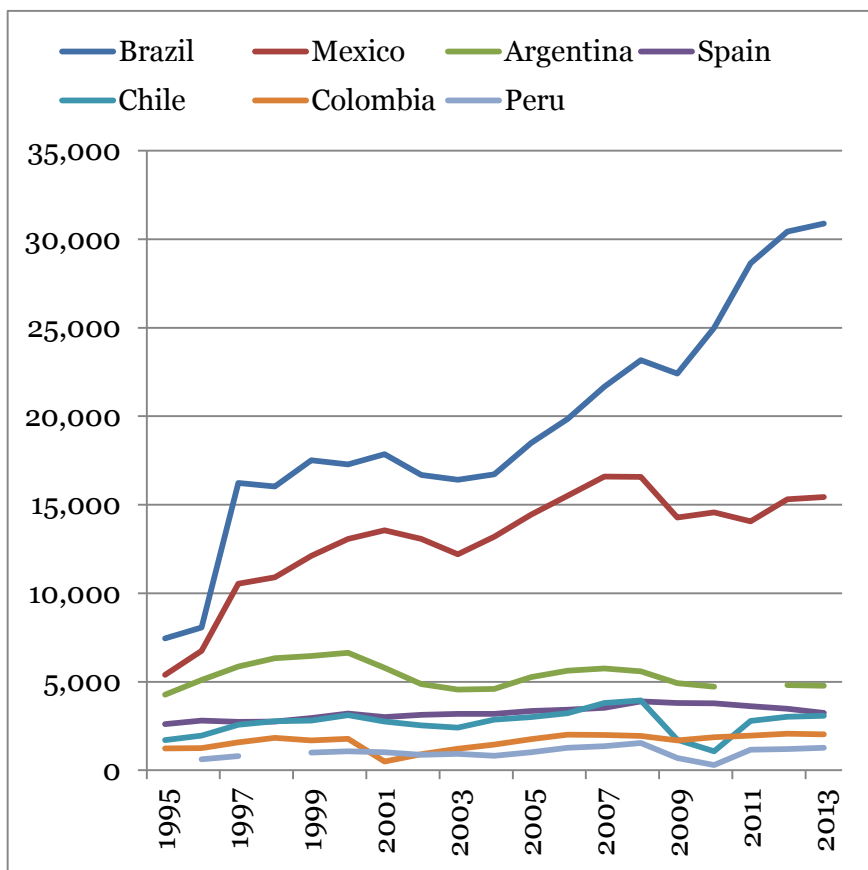
- National/regional applications and registrations
  - Annual IP survey => WIPO Statistics Database

# Annual IP Survey [1/4]

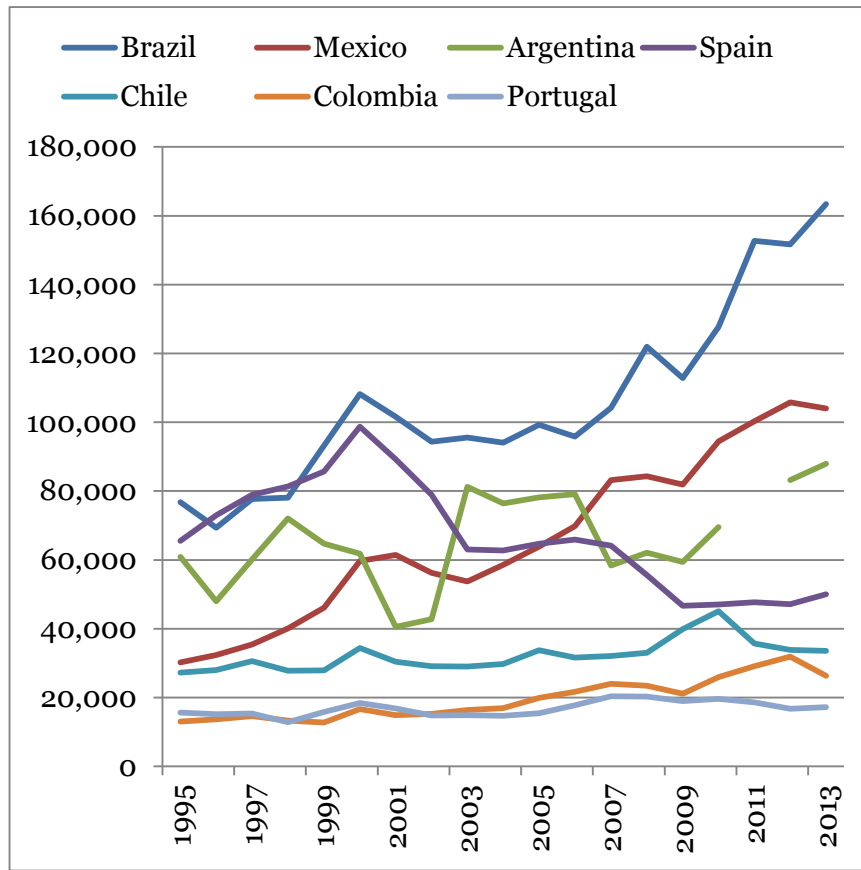
- Common methodology
- Harmonized questionnaire
- Data coverage
- Data processing and validation

# Annual IP Survey [2/4]

## ■ Patent and trademark applications



Patents



Trademarks

# Annual IP Survey [3/4]

## ■ Cross-border patent applications

| 2013   |                        | Office |     |       |     |    |     |     |       |    |    |     |     |       |    |       |
|--------|------------------------|--------|-----|-------|-----|----|-----|-----|-------|----|----|-----|-----|-------|----|-------|
| Origin | Origin                 | AR     | AU  | BR    | CA  | CL | CN  | CO  | EPO   | GT | HN | IN  | JP  | MX    | PE | US    |
|        | Argentina [AR]         | 643    | 5   | 29    | 5   | 7  | 4   | 4   | 12    |    |    | 5   | 1   | 12    | 6  | 160   |
|        | Brazil [BR]            | 68     | 42  | 4,959 | 43  | 31 | 115 | 40  | 192   | 4  | 1  | 51  | 107 | 69    | 15 | 769   |
|        | Colombia [CO]          | 1      |     | 8     | 5   | 2  | 5   | 251 | 9     | 2  | 1  | 2   | 2   | 9     | 3  | 69    |
|        | Costa Rica             |        | 1   | 1     | 1   | 1  | 3   | 3   | 1     | 1  |    | 1   |     | 2     | 1  | 27    |
|        | Cuba                   | 6      | 8   | 7     | 8   | 4  | 8   | 4   | 8     |    |    | 6   | 9   | 9     | 4  | 23    |
|        | Mexico [MX]            | 8      | 14  | 54    | 53  | 17 | 40  | 27  | 58    | 9  | 5  | 18  | 32  | 1,210 | 20 | 357   |
|        | Panama                 |        | 3   | 4     | 2   | 2  | 5   | 1   | 6     |    |    | 2   | 6   | 3     |    | 6     |
|        | Peru [PE]              |        |     | 1     |     | 1  | 2   | 1   | 2     |    |    | 2   | 1   |       | 73 | 8     |
|        | Portugal               |        | 20  | 41    | 31  | 5  | 29  | 5   | 94    |    |    | 19  | 24  | 10    | 4  | 133   |
|        | Spain                  | 31     | 127 | 302   | 183 | 93 | 378 | 60  | 1,506 | 7  | 1  | 193 | 234 | 209   | 39 | 1,707 |
|        | Uruguay                | 2      | 5   | 4     | 1   |    |     | 1   | 8     |    |    | 1   |     | 2     | 1  | 24    |
|        | Venezuela (B. Rep. of) |        |     | 2     |     |    |     |     | 3     |    | 1  |     | 2   | 3     |    | 28    |

Australia [AU]; Canada [CA]; Chile [CL]; China [CN]; European Patent Office [EPO]; Guatemala [GT]; Honduras [HN]; India [IN]; Japan [JP] and United States of America [US]

# Annual IP Survey [3/4]

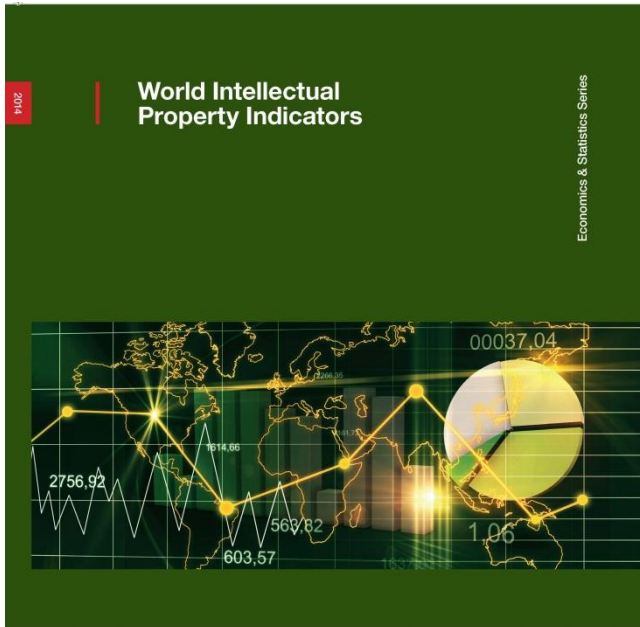
## ■ LAC + Portugal + Spain data availability

|                                  | Patents |      | Trademarks |      |                                    | Patents |      | Trademarks |      |
|----------------------------------|---------|------|------------|------|------------------------------------|---------|------|------------|------|
|                                  | 2012    | 2013 | 2012       | 2013 |                                    | 2012    | 2013 | 2012       | 2013 |
| Antigua and Barbuda              |         |      |            |      | Guyana                             |         |      |            |      |
| Argentina                        |         |      |            |      | Haiti                              |         |      |            |      |
| Aruba                            |         |      |            |      | Honduras                           |         |      |            |      |
| Bahamas                          |         |      |            |      | Jamaica                            |         |      |            |      |
| Barbados                         |         |      |            |      | Mexico                             |         |      |            |      |
| Belize                           |         |      |            |      | Nicaragua                          |         |      |            |      |
| Bolivia (Plurinational State of) |         |      |            |      | Panama                             |         |      |            |      |
| Bonaire, Sint Eustatius and Saba | ..      | ..   |            |      | Paraguay                           |         |      |            |      |
| Brazil                           |         |      |            |      | Peru                               |         |      |            |      |
| Chile                            |         |      |            |      | Portugal                           |         |      |            |      |
| Colombia                         |         |      |            |      | Saint Lucia                        |         |      |            |      |
| Costa Rica                       |         |      |            |      | Saint Vincent and the Grenadines   |         |      |            |      |
| Cuba                             |         |      |            |      | Sint Maarten (Dutch Part)          | ..      | ..   |            |      |
| Curaçao                          | ..      | ..   |            |      | Spain                              |         |      |            |      |
| Dominica                         |         |      |            |      | Suriname                           |         |      |            |      |
| Dominican Republic               |         |      |            |      | Trinidad and Tobago                |         |      |            |      |
| Ecuador                          |         |      |            |      | Uruguay                            |         |      |            |      |
| El Salvador                      |         |      |            |      | Venezuela (Bolivarian Republic of) |         |      |            |      |
| Guatemala                        |         |      |            |      |                                    |         |      |            |      |

# Data dissemination

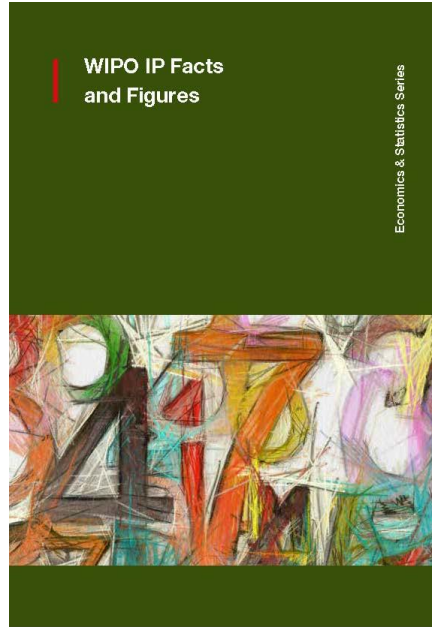
- ESD publications
- IP Statistics Data Center - <http://ipstats.wipo.int/ipstatv2/?lang=en>
- Country profiles - [http://www.wipo.int/ipstats/en/statistics/country\\_profile/](http://www.wipo.int/ipstats/en/statistics/country_profile/)

# ESD publications [1/2]

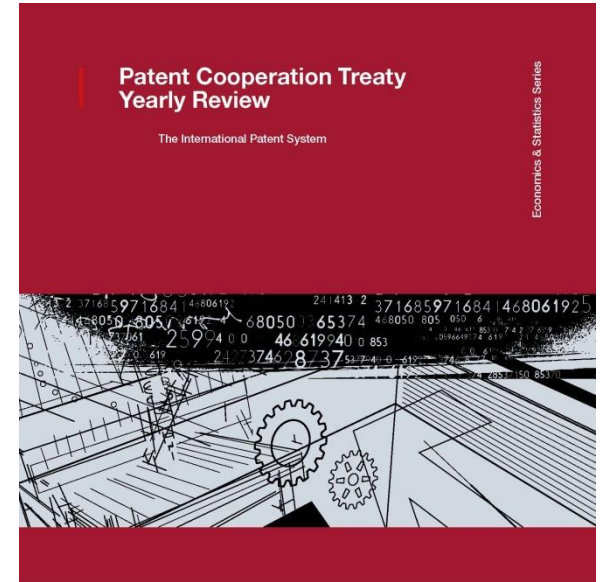


World Intellectual Property Indicators

2014



2014



2015



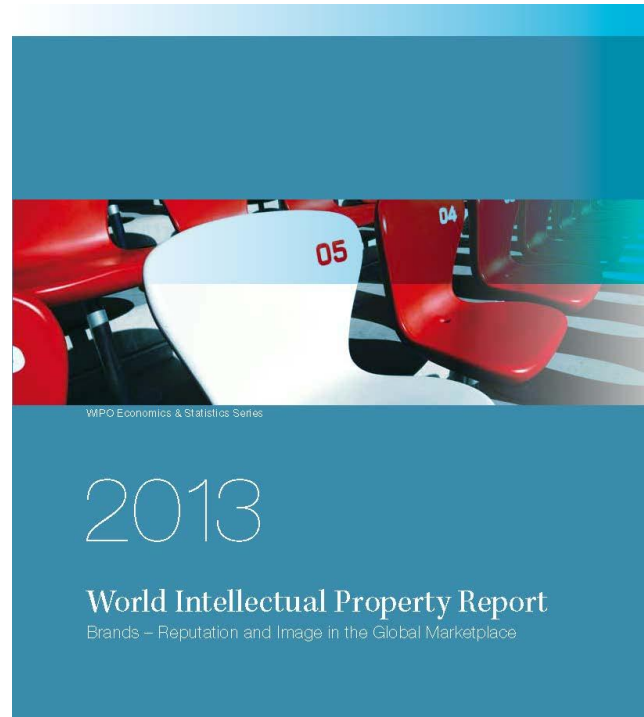


# ESD publications [2/2]



## The Global Innovation Index 2014

The Human Factor in Innovation



# Dissemination - IP Data Center [1/2]

**WIPO**  
WORLD INTELLECTUAL PROPERTY ORGANIZATION

Contact Us | English ▾

Home | Reference | Statistics | Data center

## WIPO IP Statistics Data Center

Source: WIPO statistics database. Last updated: March 2015

Links

- Find out more about the Data Center

Patent | Trademark | Industrial design | Utility model | PCT | Madrid | Hague

Indicator

1 - Total patent applications (direct and PCT national phase entries) ▾

Report type

Total count by filing office ▾

Year range

1995 ▾ 2013 ▾

Select office

Afghanistan  
African Intellectual Property Organization  
African Regional Intellectual Property Orga  
Albania  
Algeria  
Andorra  
Angola  
Antigua and Barbuda  
Argentina

» Add all  
» Add  
« Remove  
« Remove all

Search

Reset

# Dissemination - IP Data Center [2/2]

Modify search



Intellectual property right : Patent

Reporting type : Total count by filing office

Year range : 1995 - 2013

Indicator : 1 - Total patent applications (direct and PCT national phase entries)

|   | Office ▲  | Office (Code) | Origin | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 ▲ |
|---|---|---------------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1 | African Intellectual Property Organization          | OA            | Total  | 444  | 75   | 256  | 274  | 341  | 369  | 347  | 403  | 347  | 350  | 377  | 454  | 512  | 459  | 4      |
| 2 | African Regional Intellectual Property Organization | AP            | Total  | 64   | 133  | 261  | 261  | 294  | 297  | 360  | 328  | 238  | 244  | 283  | 393  | 427  | 435  | 3      |
| 3 | Albania   | AL            | Total  | 5    | 5    | 9    | 21   | 34   | 62   | 120  | 238  | 391  | 416  | 386  | 426  | 366  | 378  | 3      |
| 4 | Algeria   | DZ            | Total  | 162  | 200  | 241  | 309  | 284  | 159  | 145  | 334  | 326  | 392  | 524  | 669  | 849  |      |        |
| 5 | Antigua and Barbuda                                 | AG            | Total  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |        |
| 6 | Argentina   | AR            | Total  | 4264 | 5109 | 5859 | 6320 | 6457 | 6636 | 5779 | 4861 | 4557 | 4602 | 5269 | 5617 | 5743 | 5582 | 49     |
| 7 | Armenia   | AM            | Total  | 285  | 316  | 183  | 83   | 125  | 127  | 155  | 207  | 157  | 6    | 208  | 193  | 140  | 230  | 1      |
| 8 | Aruba   | AW            | Total  |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |        |

# Dissemination - country profiles

Home Reference Statistics Statistical Country Profiles

## Statistical Country Profiles



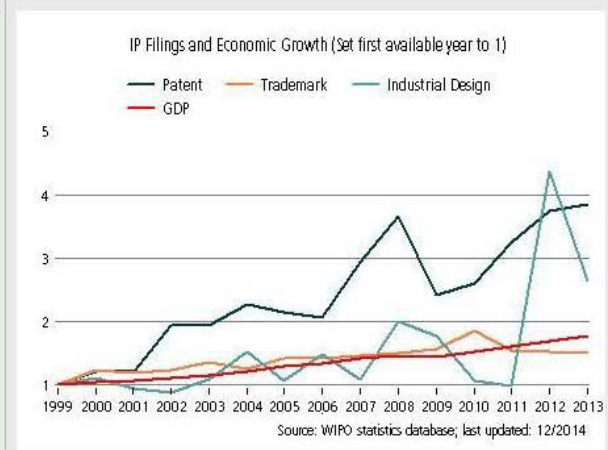
Chile

Population (Million): 17.62 (2013) (Rank = 60)

Gross Domestic Product (Billion US\$)(Constant 2011 US\$ (PPP)): 382.59 (2013) (Rank = 41)

### IP Filings (Resident + Abroad, Including Regional) and Economy

| Year | Patent | Trademark | Industrial Design | GDP (Constant 2011 US\$) |
|------|--------|-----------|-------------------|--------------------------|
| 1999 | 209    | 19,598    | 67                | 216.27                   |
| 2000 | 254    | 24,300    | 75                | 225.99                   |
| 2001 | 252    | 23,262    | 64                | 233.56                   |
| 2002 | 403    | 23,981    | 59                | 238.62                   |
| 2003 | 407    | 26,580    | 73                | 248.06                   |
| 2004 | 473    | 24,541    | 102               | 263.05                   |
| 2005 | 449    | 27,692    | 71                | 277.67                   |
| 2006 | 432    | 27,838    | 99                | 289.90                   |
| 2007 | 616    | 28,746    | 73                | 304.86                   |
| 2008 | 768    | 29,342    | 134               | 314.90                   |
| 2009 | 505    | 30,837    | 119               | 311.64                   |
| 2010 | 547    | 36,494    | 72                | 329.60                   |
| 2011 | 678    | 30,314    | 66                | 348.84                   |
| 2012 | 784    | 29,983    | 293               | 367.62                   |



# Future improvements

## ■ Methodology

- Harmonized concepts
- IP statistics manual

## ■ Data coverage

- Missing data
- Other IP types

# Thank You

## Questions?

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IP statistics: [www.wipo.int/ipstats](http://www.wipo.int/ipstats)

Economics of IP: [www.wipo.int/econ\\_stat/en/economics/](http://www.wipo.int/econ_stat/en/economics/)

Working papers: [www.wipo.int/econ\\_stat/en/economics/publications.html](http://www.wipo.int/econ_stat/en/economics/publications.html)