



ASSOLOMBARDA  
Confindustria Milano Monza e Brianza

# Booklet Italy, Lombardy and Milan

A cura dell'Area / Edited by

Centro Studi/Research Department

N° 04/June 2017



Rilasciato il 12 Giugno 2017 / Issued on 12 June 2017

Questo booklet è stato chiuso con le informazioni disponibili al 31 May 2017  
This booklet has been draft using information available as of 31st May, 2017

# Contents

## 1. Italy and Lombardy: perception and reality

5

- Italian public debt: 132.6% of GDP but only 68% of household net financial assets
- Italian primary surplus: the highest cumulated value
- Explicit and implicit debt: Italy in the top 5 of the EU Sustainability Ranking
- Italian manufacturing export performance 2000-2016
- Italian manufacturing in global rankings

## 2. Lombardy and Milan: business structure

11

- The leading Italian region: in 2016, 22% of the Italian GDP
- Lombardy in comparison: the leading Italian region in terms of manufacturing gross value added
- 250 manufacturing medium enterprises located in Milan, 1,000 located in Lombardy
- 90 large enterprises in Milan
- Milan the prime location for over 3,000 multinational companies operating in Italy
- Over 12,000 knowledge-intensive startups born in Lombardy (2007-2013)
- Export: Lombardy vs other European regions
- Export: Lombardy's main trade partners
- Openness to international trade: outdoing German regions...
- ... also worth mentioning: the importance of export in percentage of total turnover

# Contents

## 3. Lombardy and Milan: strengths

---

22

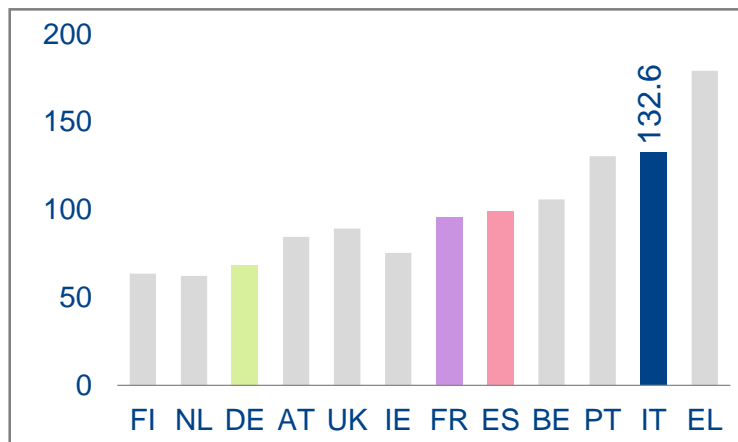
- Business R&D investments in Lombardy: in line with German regions
- Research and innovation
- Innovation: the role of Lombardy in Italy
- Strong presence of high-quality public and private research centers
- Universities: high concentration (13) and international attractiveness
- Universities: Politecnico of Milano and Bocconi examples of excellence
- Milan, a driver of Italian creativity
- Labour market: a better performance than the Italian average
- Labour market: high female employment rate
- What makes Lombardy and Milan a knowledge hub?
- Milan S.T.E.A.M. city

# 1. Italy and Lombardy: perception and reality

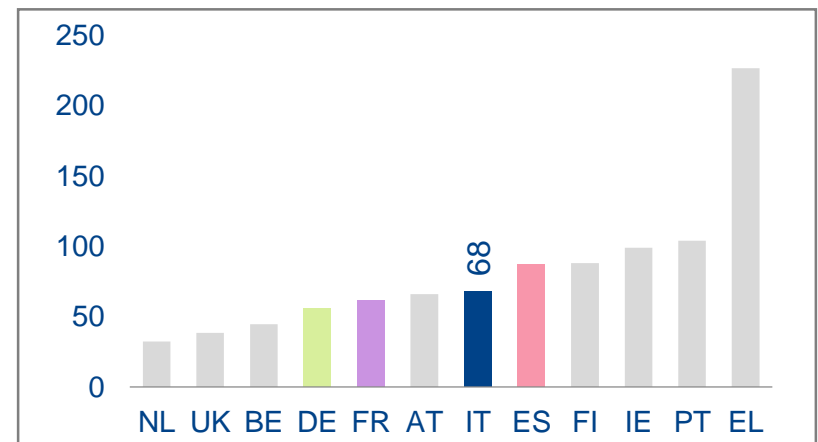
# Italy and Lombardy: perception and reality

Italian public debt: 132.6% of GDP but only 68% of household net financial assets

Public debt as percentage of GDP - 2016



Public debt as percentage of household net financial assets (\*) - 2015

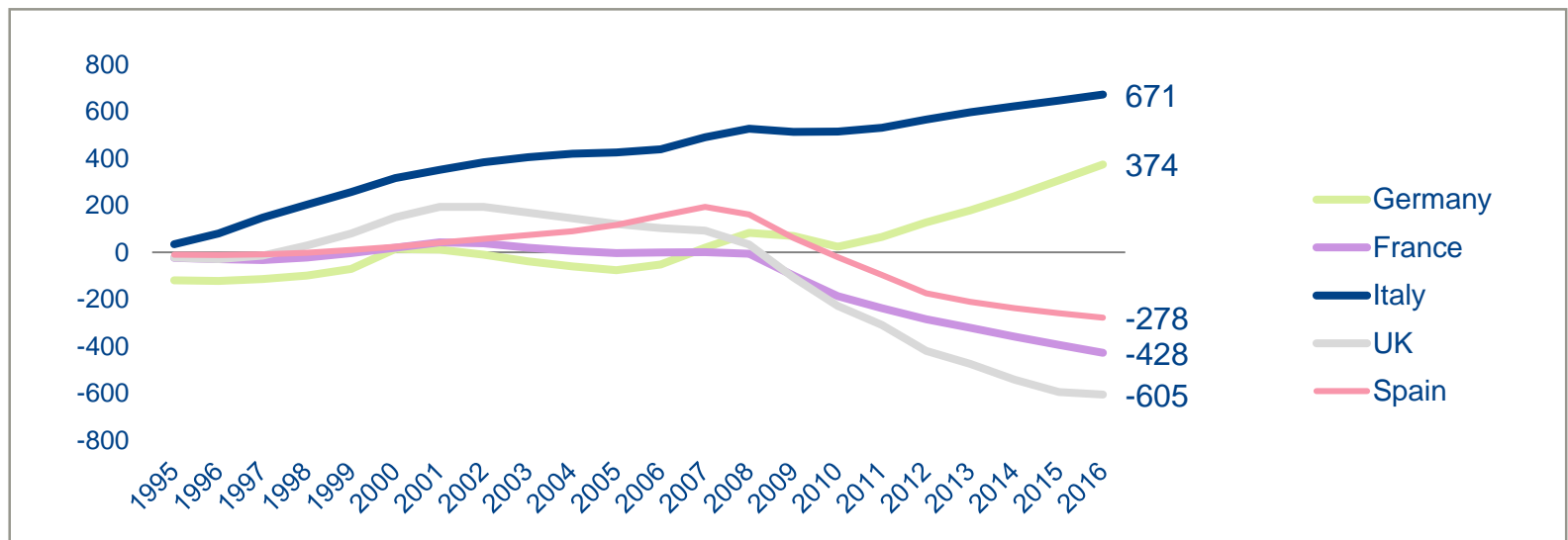


(\*) Financial assets held by households include: currency and deposits, securities other than shares, loans, shares and other equity, net equity of households in life insurance reserves, net equity of households in pension funds, prepayments of premiums and reserves against outstanding claims

# Italy and Lombardy: perception and reality

Italian primary surplus: the highest cumulated value

**Cumulated primary balances**  
(current values – billion euro)

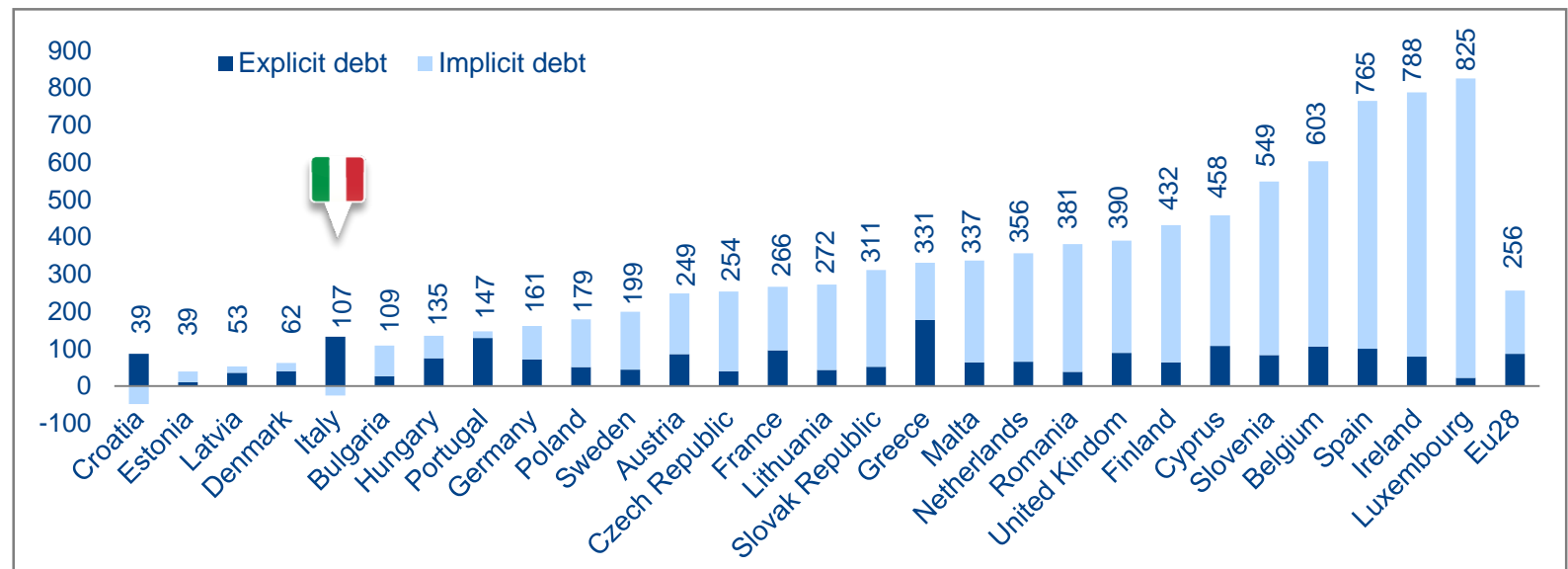


Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza on Eurostat data

# Italy and Lombardy: perception and reality

Explicit and implicit debt: Italy in the top 5 of the EU Sustainability Ranking

**EU Sustainability Ranking - 2016**  
(explicit and implicit debt as % of GDP)



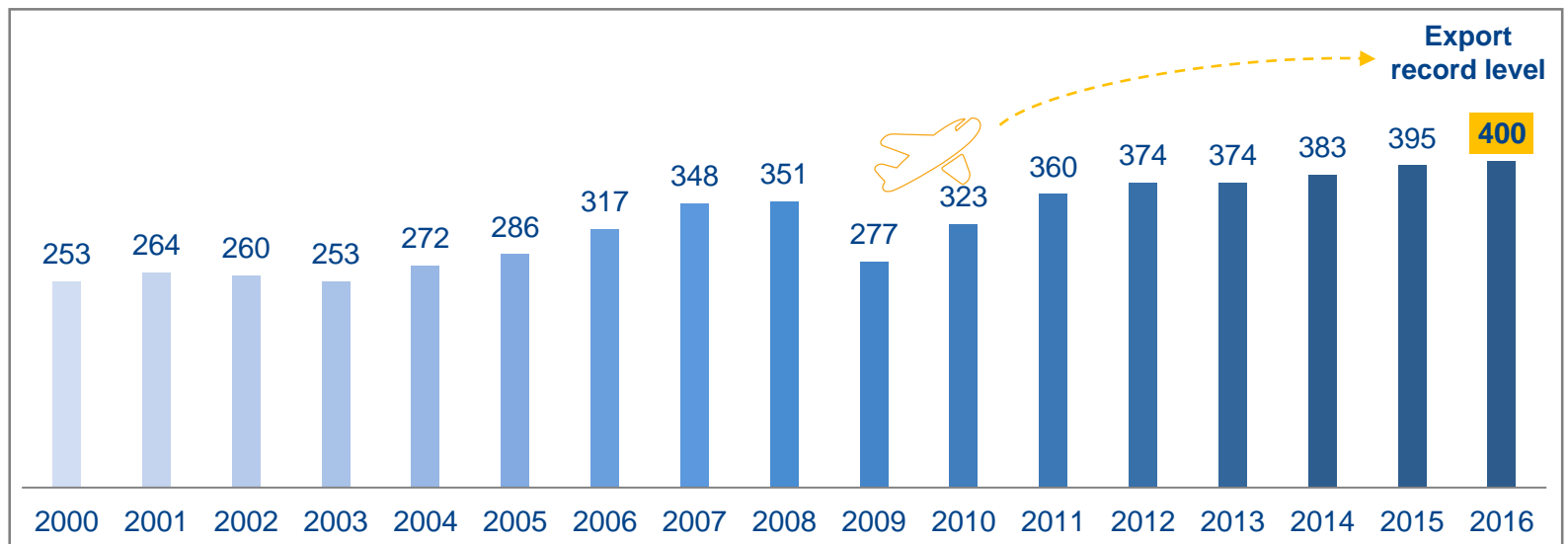
Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza on Stiftung Marktwirtschaft data



# Italy and Lombardy: perception and reality

Italian manufacturing export performance 2000-2016

Italian manufacturing export  
(billion euro)

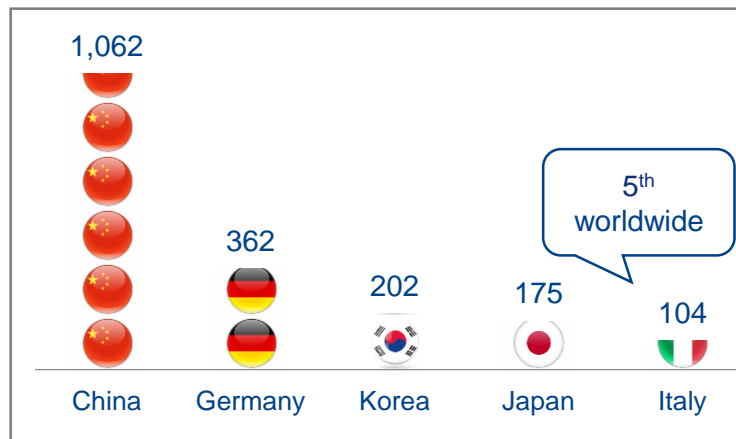


Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza on Istat data

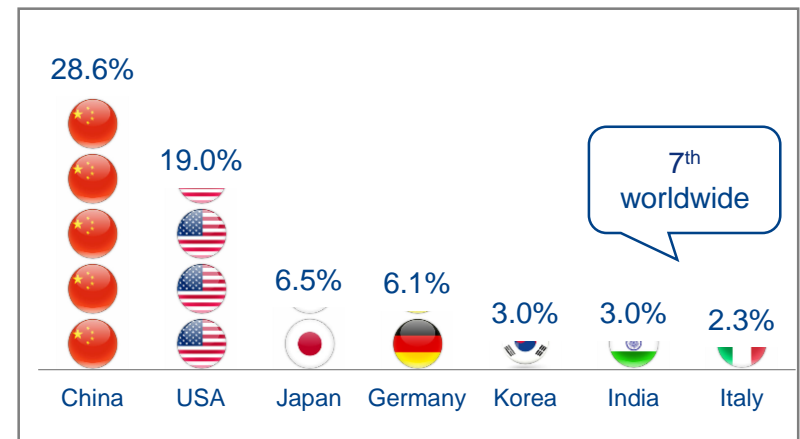
# Italy and Lombardy: perception and reality

## Italian manufacturing in global rankings

**Manufacturing trade surplus - 2015**  
(US billion dollar)



**Share of global manufacturing value added - 2015**  
(% on current prices - US dollar)



Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza on WTO and CSC data

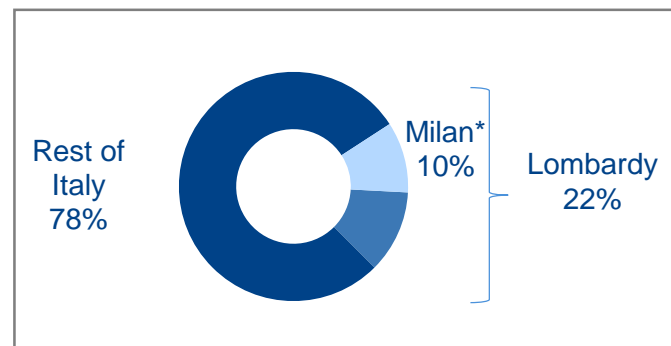
## 2. Lombardy and Milan: business structure

# Lombardy and Milan: business structure

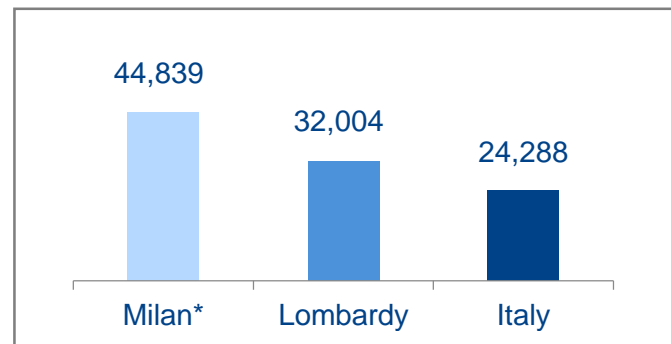
The leading Italian Region: in 2016, 22% of the Italian GDP

	Lombardy	Italy	Share
Area (sq. km.)	23,864	302,073	7.9%
Population (1/1/2016)	10,008,349	60,665,551	16.5%
Workforce (thousand, 2016)	4,673,439	25,769,875	18.1%
GDP (nominal, million euro, 2016)	367,420	1,672,432	22.0%
Value Added (per capita, 2015)	32,004	24,288	-
Enterprises (2014)	807,466	4,359,087	18.5%
R&D expenditure (million euro, 2014)	4,625	22,291	20.8%
Import (million euro, 2016)	114,664	365,579	31.4%
Export (million euro, 2016)	112,199	417,077	26.9%

Gross Domestic Product % - 2016



Value Added per capita - 2015 (euro)



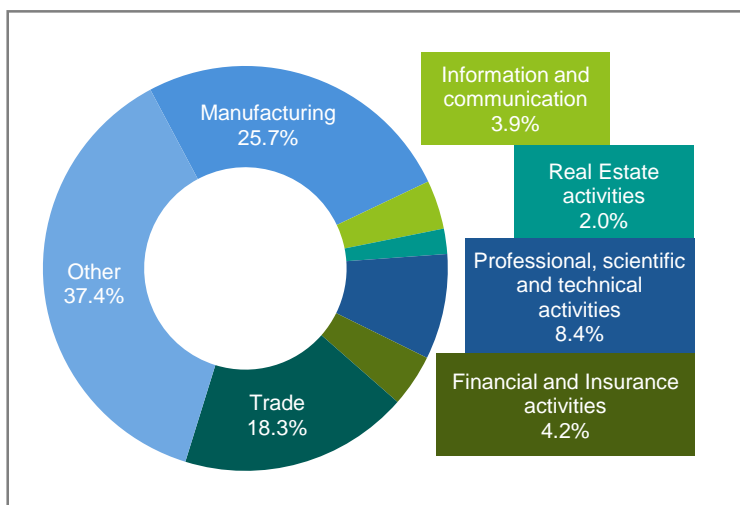
(\*) 2014

Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza on Istat and Prometeia data

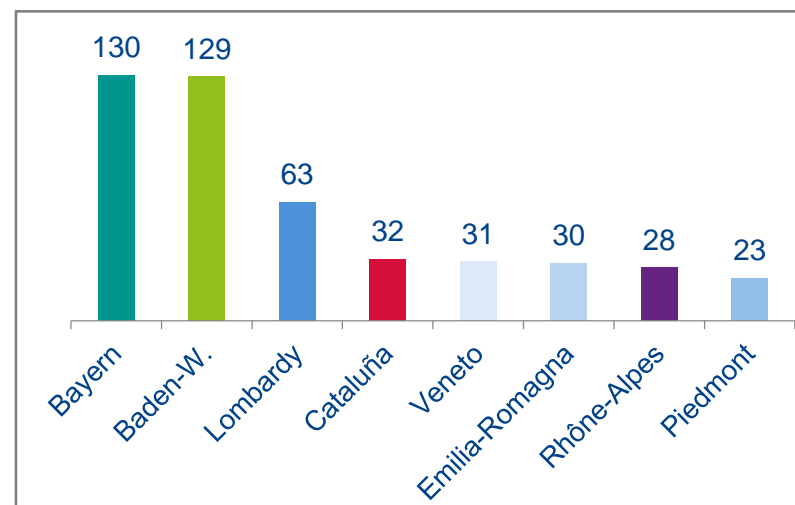
# Lombardy and Milan: business structure

Lombardy in comparison: the leading Italian Region in terms of manufacturing gross value added

Lombardy workforce by business sector - 2014



Manufacturing gross value added at basic prices by region - 2014 (billion euro)

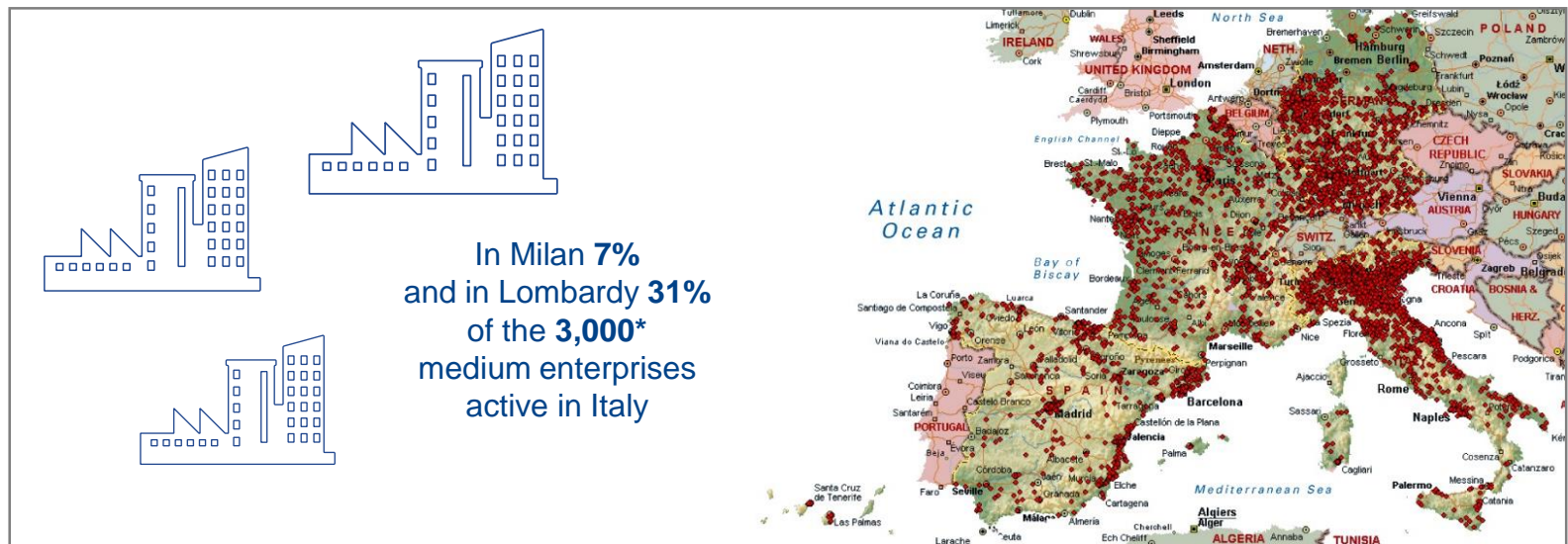


Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza on Istat and Eurostat data

# Lombardy and Milan: business structure

250 manufacturing medium enterprises located in Milan, 1,000 located in Lombardy

Number of manufacturing medium enterprises, with 50 to 499 persons employed and a sales volume of 15 to 330 million euro (excluding subsidiaries of large corporations or those under foreign control)

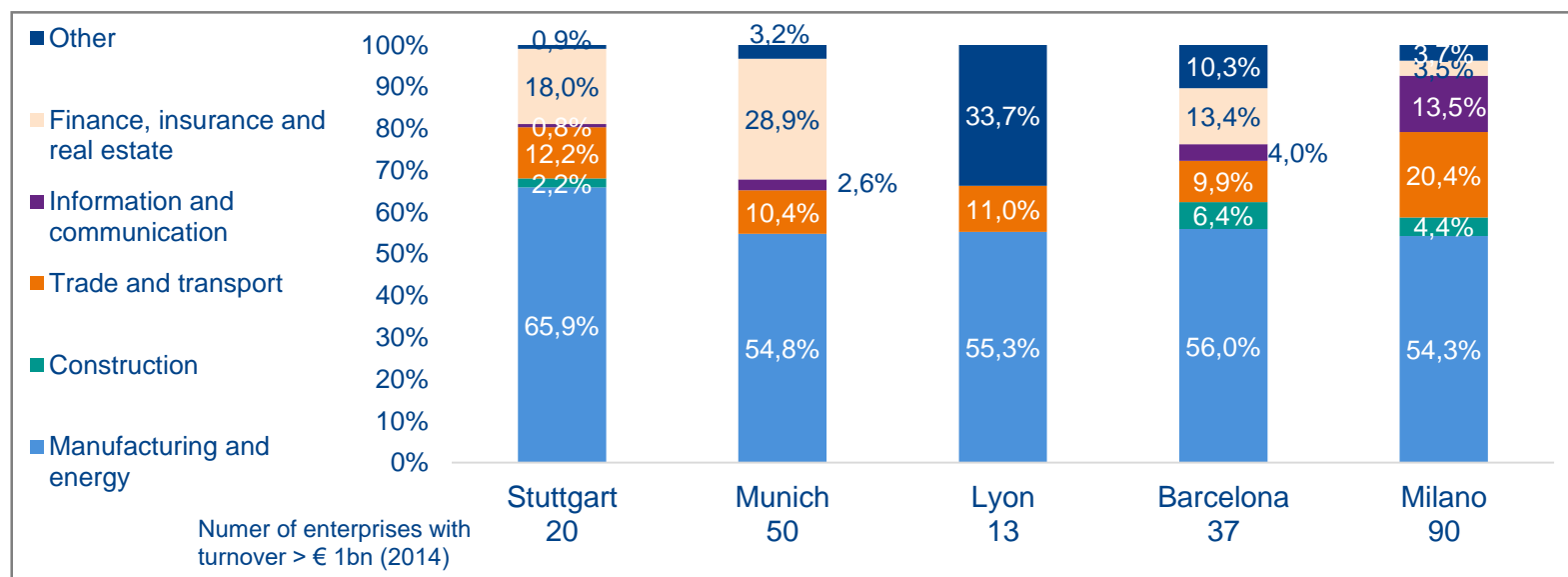


\* Italian medium-sized manufacturing companies account for approximately 15% of the domestic manufacturing value added and of Italian exports

Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza on Mediobanca – Unioncamere data

# Lombardy and Milan: business structure

90 large enterprises in Milan



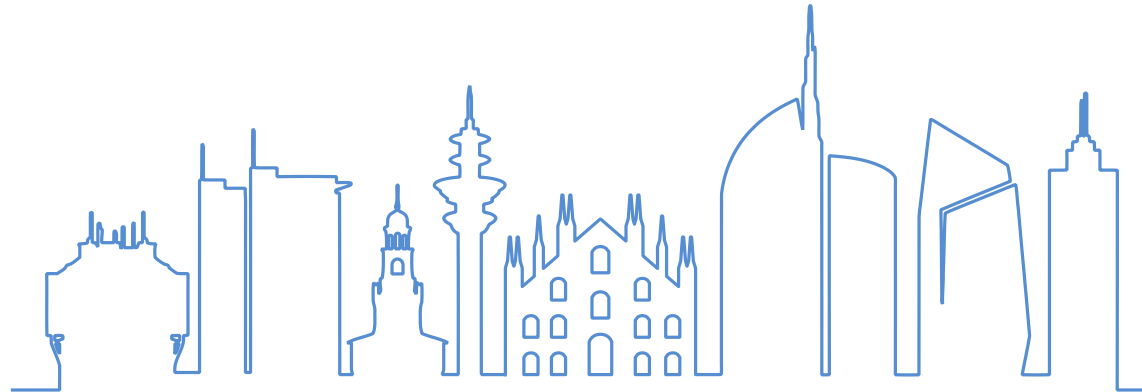
Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza on Orbis data

# Lombardy and Milan: business structure

Milan the prime location for over 3,000 multinational companies operating in Italy

## Foreign multinational enterprises

Over **3,000** foreign multinational companies located in Milan (34% of those active in Italy)  
with **289,000** employees and **€ 169 billion** turnover



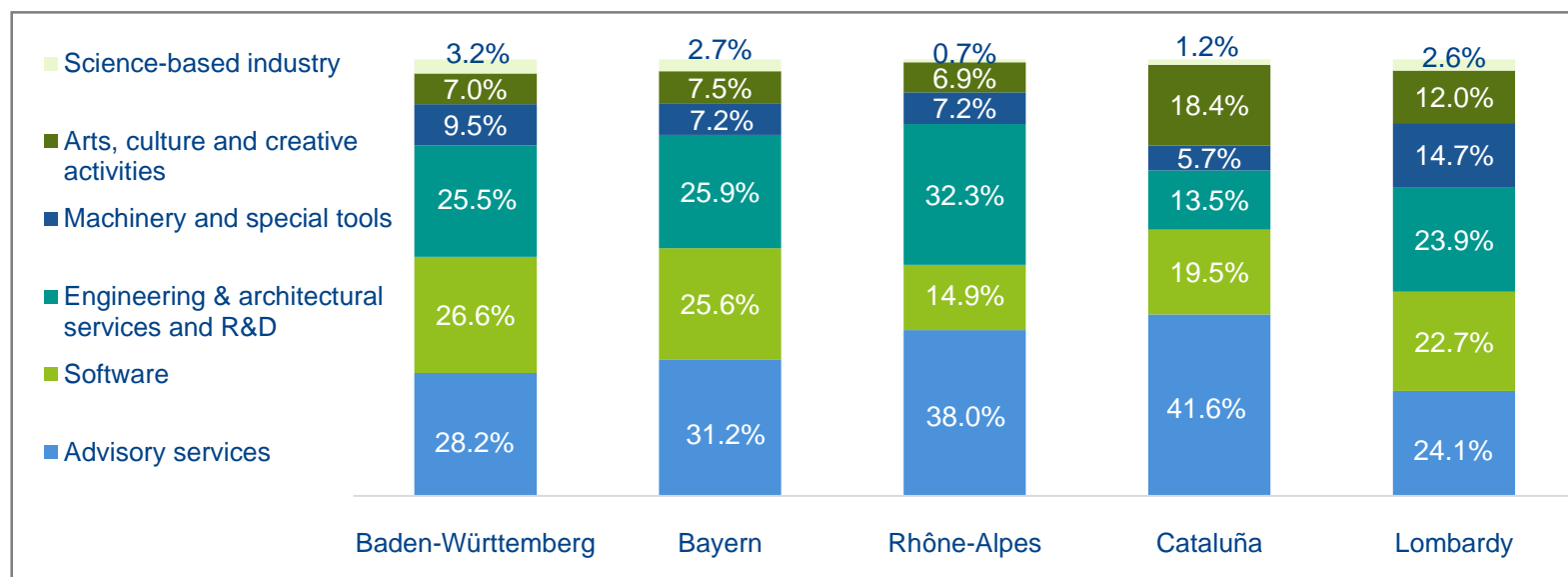
Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza on Milan Chamber of Commerce data



# Lombardy and Milan: business structure

Over 12,000 knowledge-intensive startups born in Lombardy (2007-2013)

12,121 knowledge-intensive startups - out of 52,675 located in Italy - born in Lombardy (2007-2013)

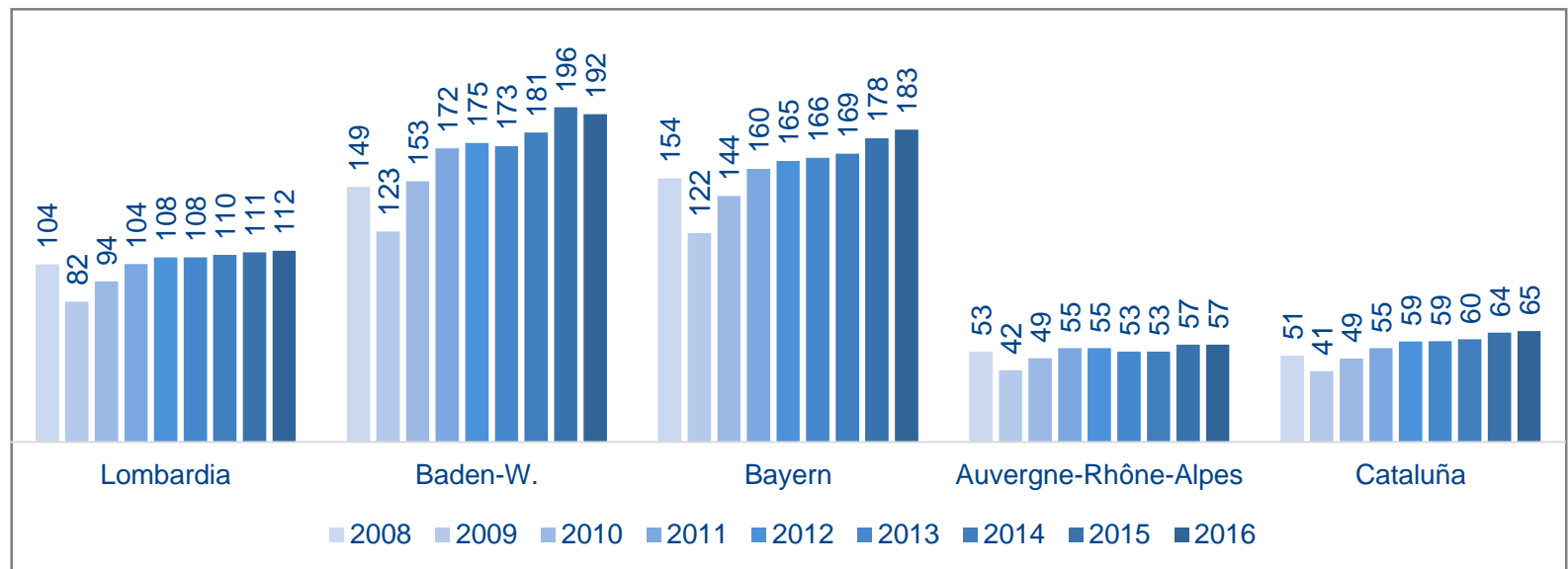


Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza and Politecnico of Milano data

# Lombardy and Milan: business structure

Export: Lombardy vs other European regions

**Export**  
(billion euro)



Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza on Istat, Destatis, Idescat, Douanes et droits indirects data

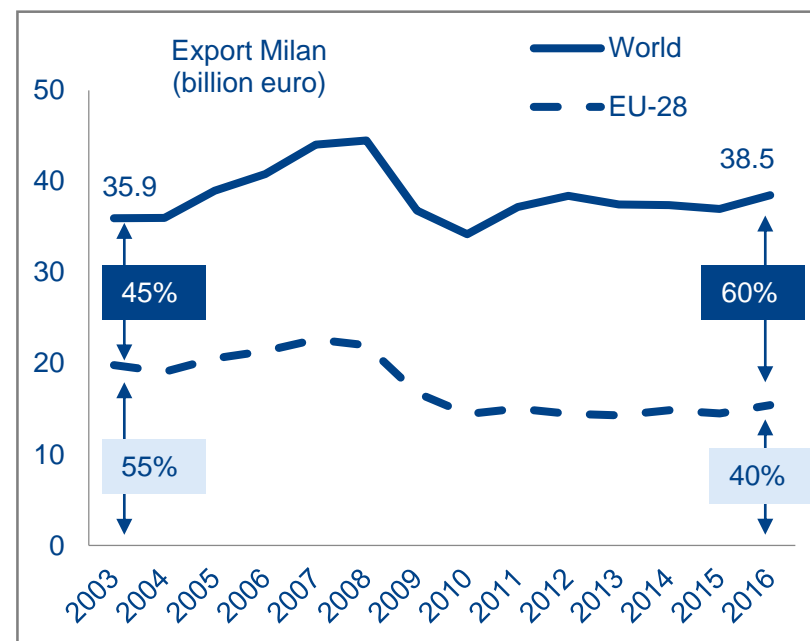
# Lombardy and Milan: business structure

Export: Lombardy's main trade partners

**Lombardy's main trade partners - 2016**  
(million euro)

		Export 2016	% change 2016-2008
1	Germany	15,140	6.0%
2	France	11,237	-7.8%
3	USA	8,053	37.0%
4	Spain	6,146	-5.0%
5	Switzerland	6,121	22.3%
6	United Kingdom	5,248	11.0%
7	China	3,608	50.2%
8	Poland	3,078	17.2%
9	Netherlands	2,732	4.1%
10	Turkey	2,592	27.0%

**Repositioning on extra-EU markets: the case of Milan - 2016**

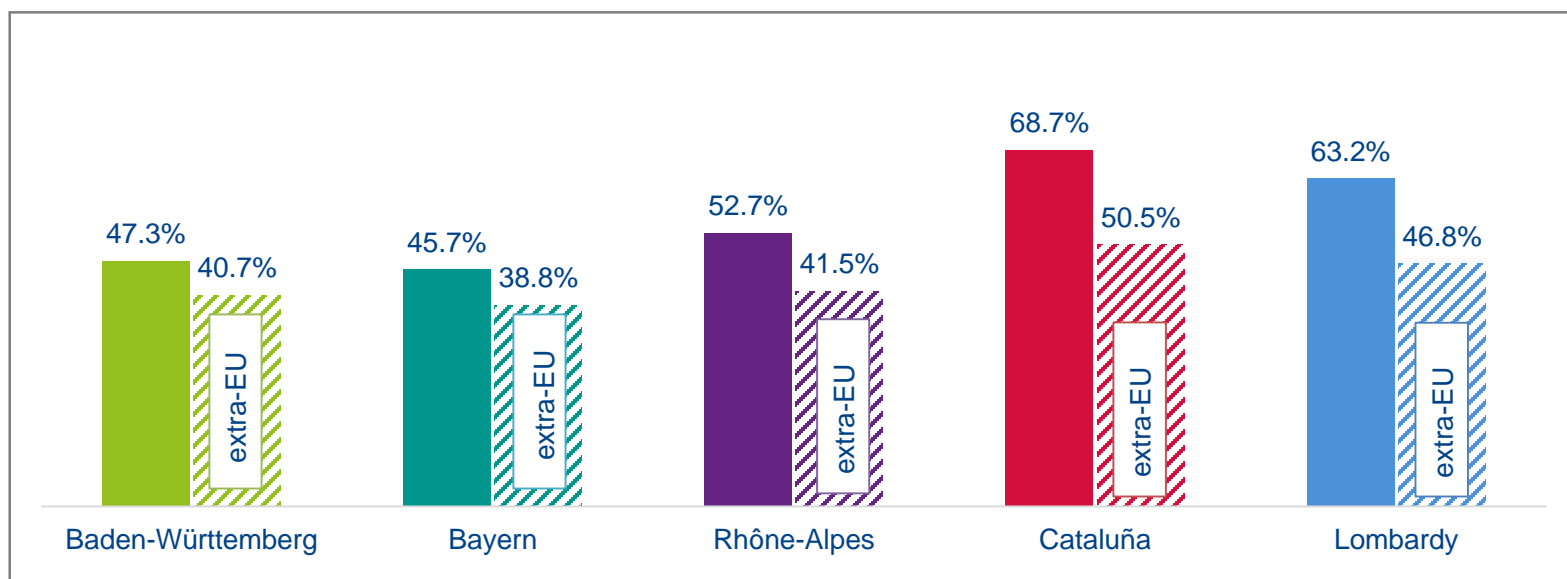


Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza on Istat data

# Lombardy and Milan: business structure

Openness to international trade: outdoing German regions ...

**Manufacturing exporters - 2013**  
(% of firms)

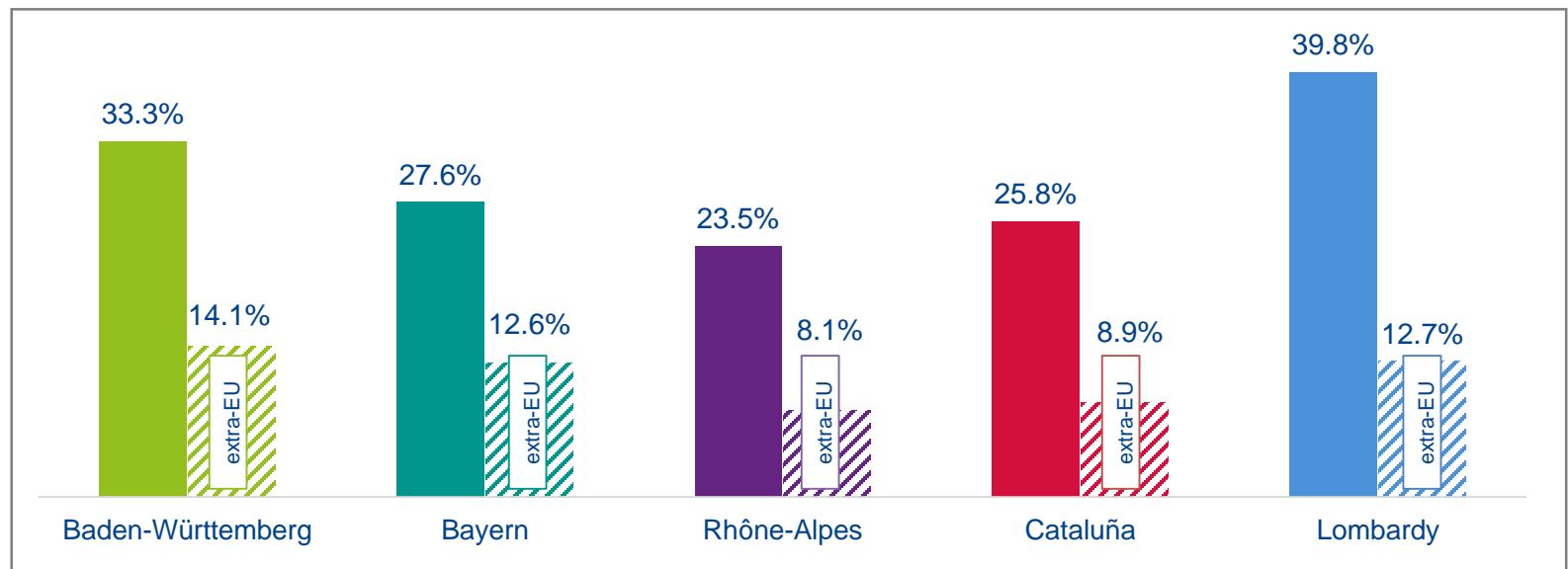


Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza on Assolombarda Confindustria Milano Monza e Brianza, *The performances of European firms: a benchmark analysis*

# Lombardy and Milan: business structure

... also worth mentioning: the importance of export relative to total turnover

**Manufacturing firms' turnover from export – 2013**  
(% over total turnover)



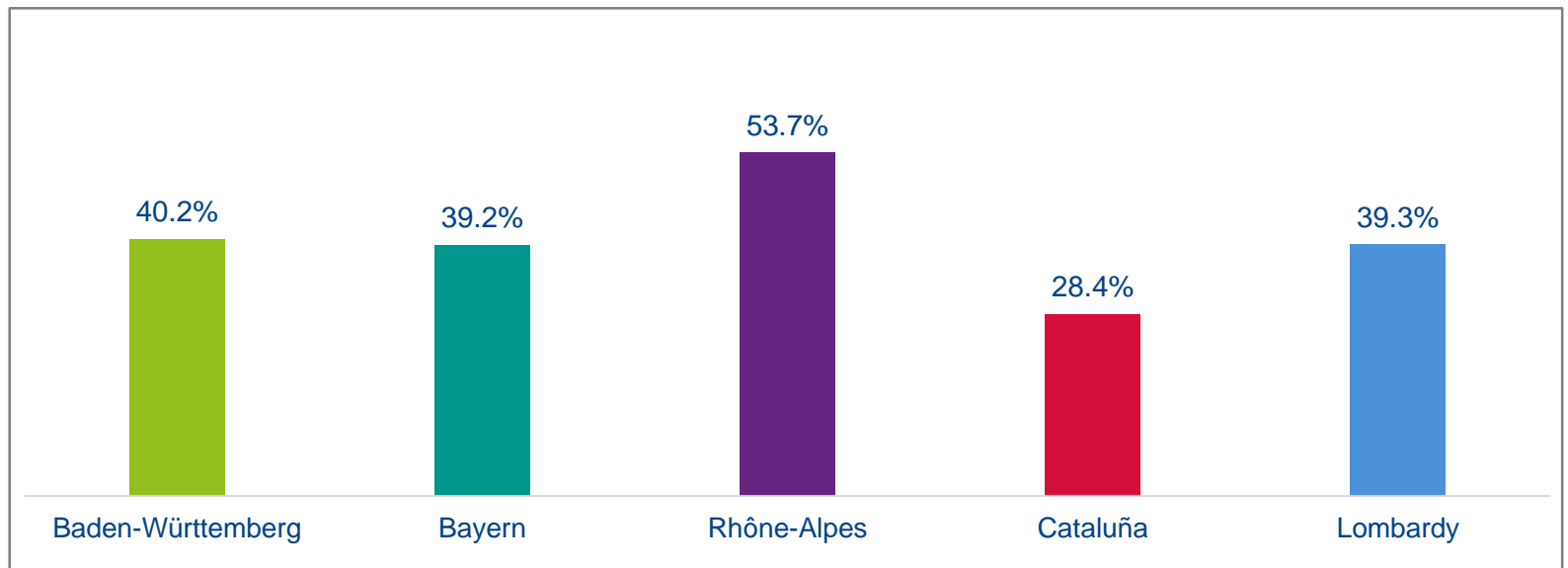
Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza on Assolombarda Confindustria Milano Monza e Brianza, *The performances of European firms: a benchmark analysis*

### 3. Lombardy and Milan: strengths

# Lombardy and Milan: strengths

Business R&D investments in Lombardy: in line with German regions

**R&D activity in manufacturing firms – 2011-2013**  
(% of firms)

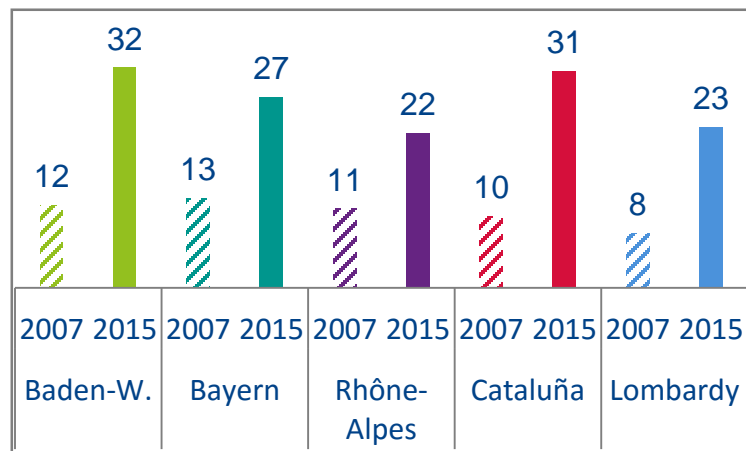


Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza on Assolombarda Confindustria Milano Monza e Brianza, *The performances of European firms: a benchmark analysis*

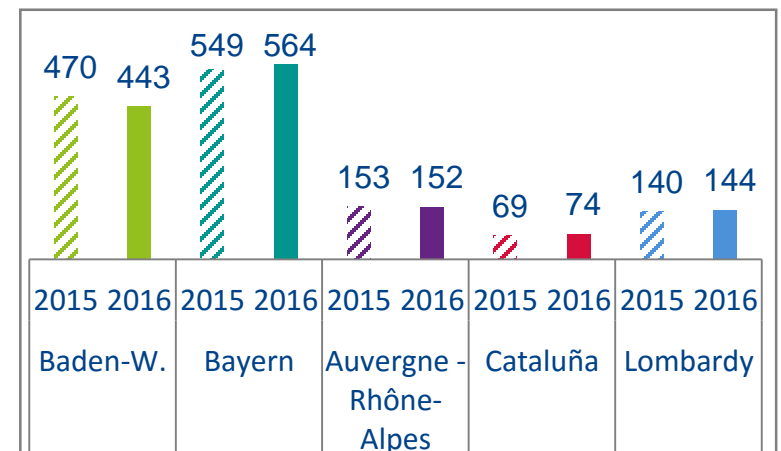
# Lombardy and Milan: strengths

## Research and innovation

Highly cited scientific articles per million inhabitants



Patents per million inhabitants

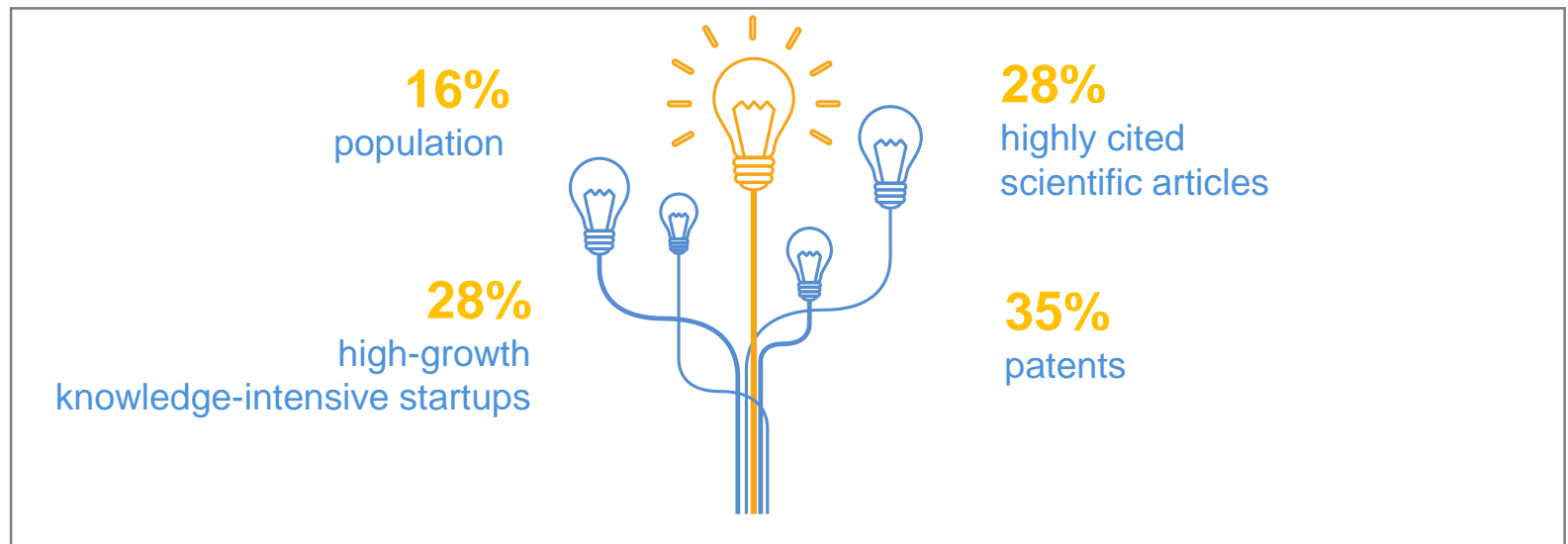


Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza on Incites-Thomson Reuters data and EPO



# Lombardy and Milan: strengths

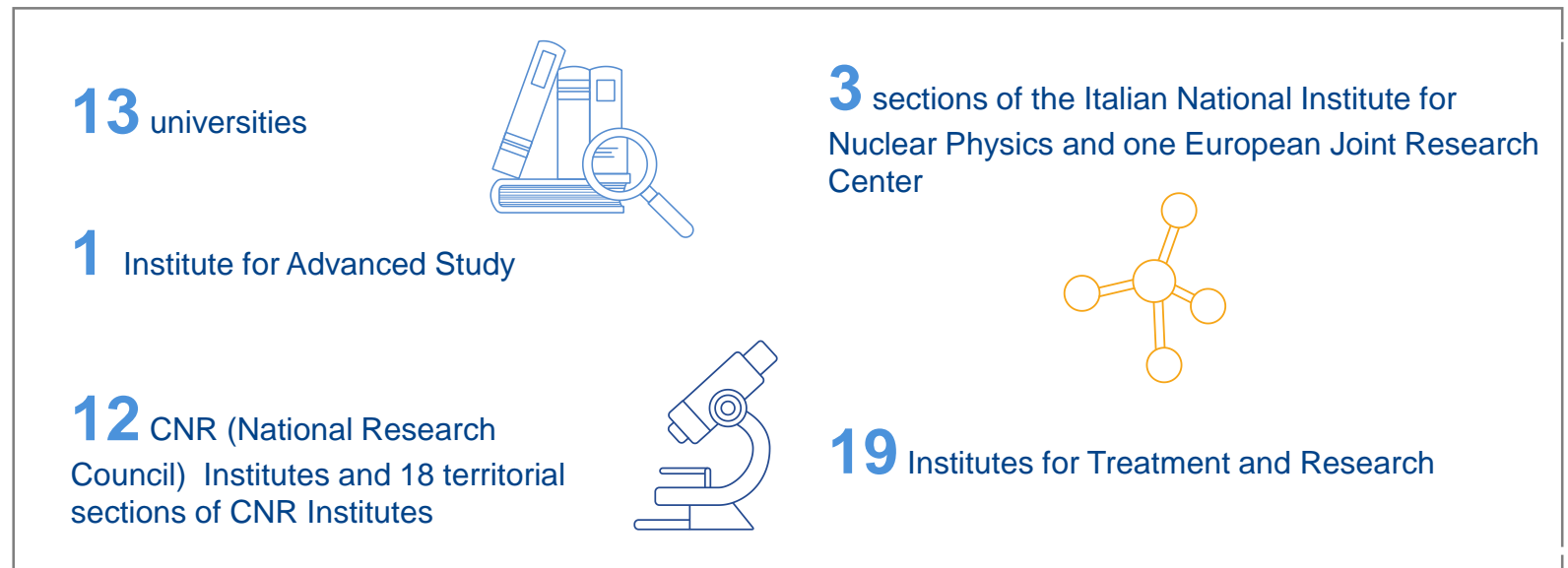
Innovation: the role of Lombardy in Italy



Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza on Istat data, Politecnico of Milano, Incites-Thomson Reuters data and EPO

# Lombardy and Milan: strengths

Strong presence of high-quality public and private research centers



Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza on CNR data

# Lombardy and Milan: strengths

Universities: high concentration (13) and international attractiveness

In Lombardy

Just under **270,000 university students**

of which **12,500 international university students** (around **10,000** in Milan)  
equal to **5%** of the total number of students

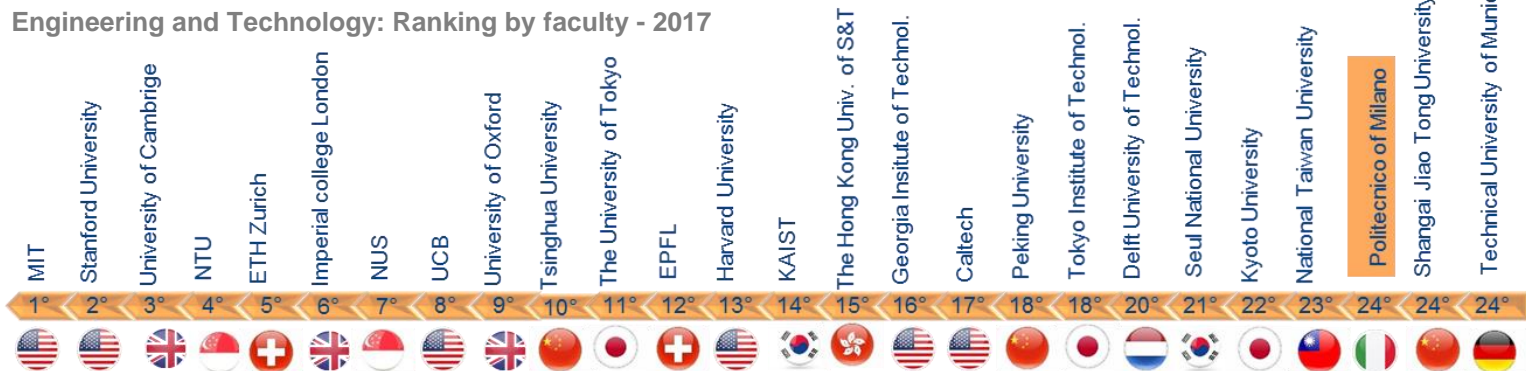
The equivalent figure is **10%** in France  
**7%** in Germany  
**2%** in Spain



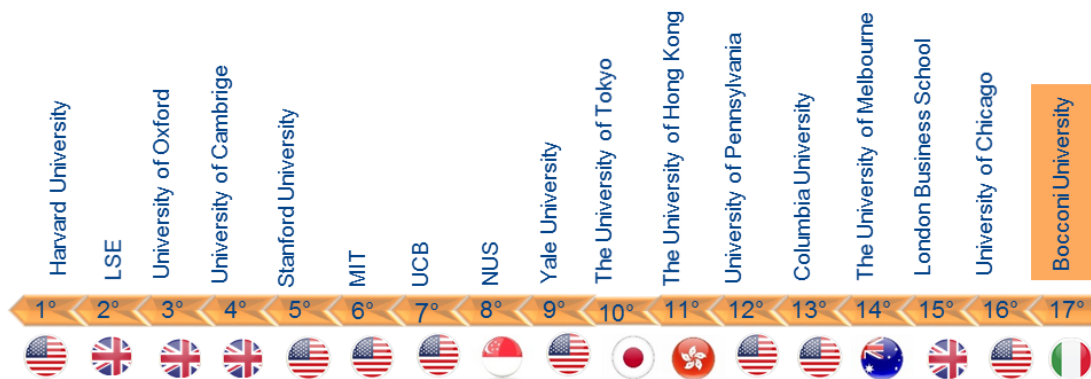
# Lombardy and Milan: strengths

Universities: Politecnico of Milano and Bocconi examples of excellence

## Engineering and Technology: Ranking by faculty - 2017



## Social Sciences and Management: Ranking by faculty - 2017



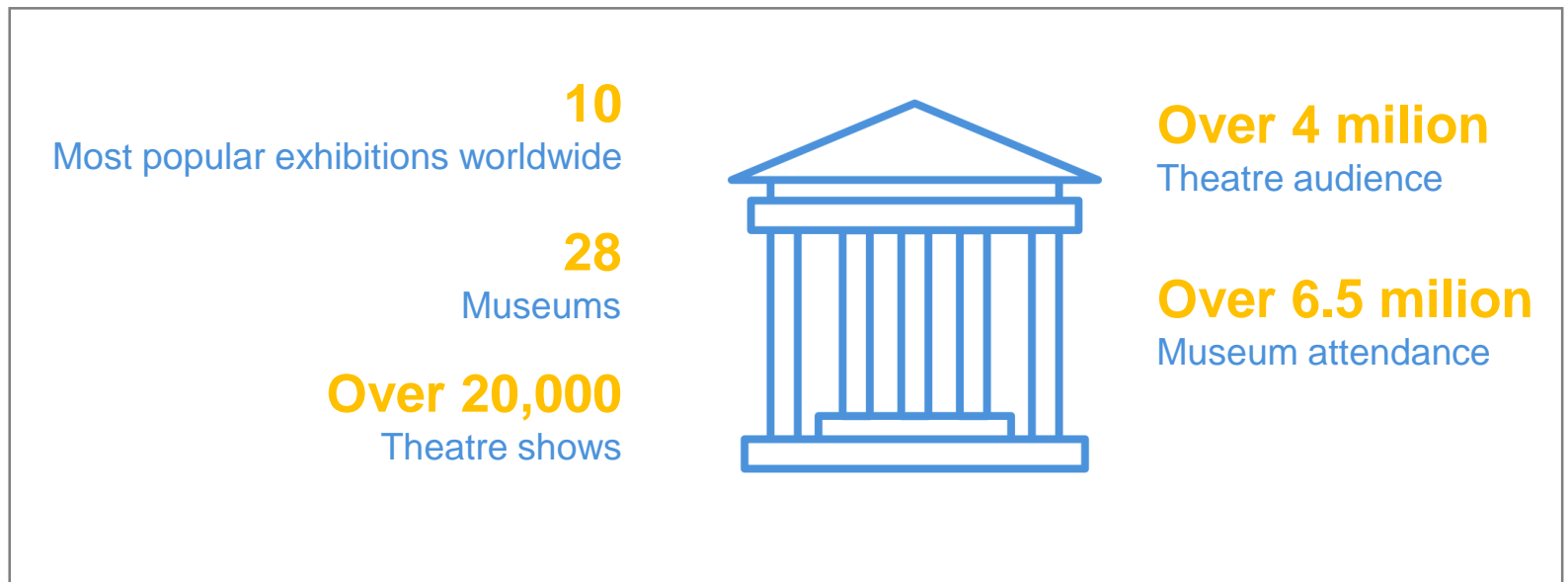
Bocconi University:  
17° (2017)  
22° (2016)

Politecnico of Milano:  
24° (2017)  
24° (2016)

Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza on QS Ranking data

# Lombardy and Milan: strengths

Milan, a driver of Italian creativity

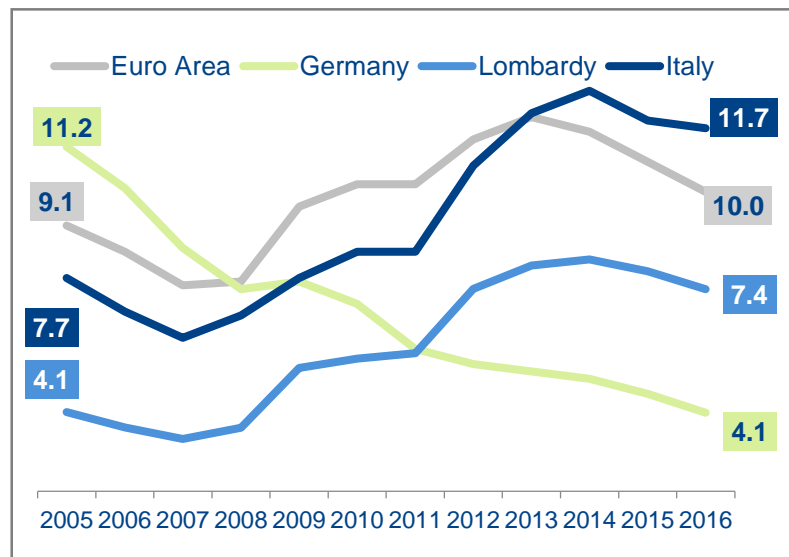


Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza on Milano Scoreboard 2017

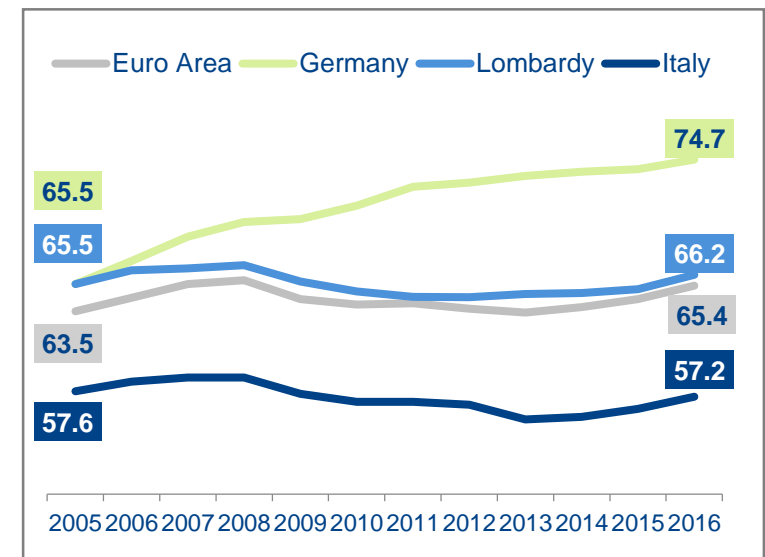
# Lombardy and Milan: strengths

Labour market: a better performance than the Italian average

Unemployment rate



Employment rate

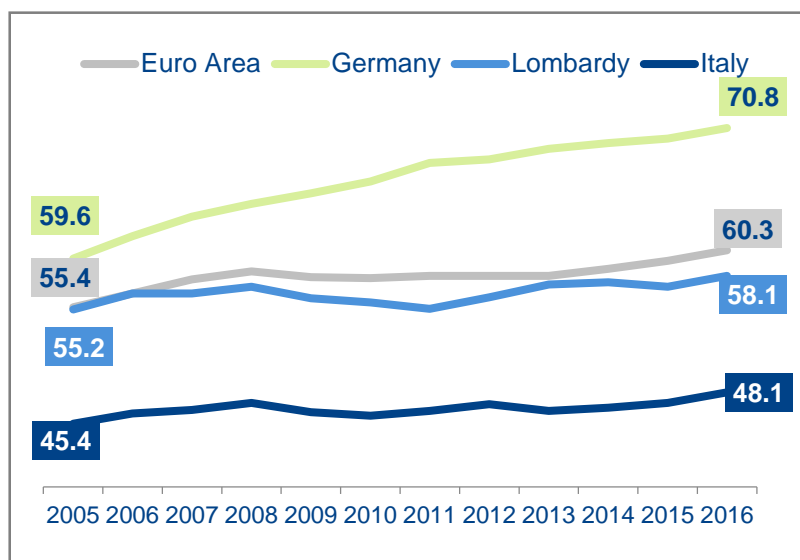


Source: Tableau de bord Assolombarda Confindustria Milano Monza e Brianza on Istat and Eurostat data

# Lombardy and Milan: strengths

Labour market: high female employment rate

Female employment rate



In Lombardy the female employment rate is in line with the 2010 Lisbon targets, thanks to:

- ...more **opportunities** for women to reach relevant positions/roles in their firms...
- ...diffusion of **part-time** contracts (25% among working women)...
- ...**welfare** initiatives both by large private companies and public institutions (78% of municipalities provide childcare services, such as kindergarten).

# Lombardy and Milan: strengths

What makes Lombardy and Milan a knowledge hub?

The fact that here you find:

- a **multi-sectorial economy**, with a core manufacturing sector integrated with a highly developed service sector (especially in Milan);
- a virtuous **network of small and medium enterprises** well integrated with **large enterprises** and **multinational companies**;
- the concentration of **13 long-standing and prestigious universities**, closely connected to the entrepreneurial system;
- a strong specialization in knowledge-intensive sectors and the availability of **high-skilled human capital**.





# Lombardy and Milan: strengths

Milan S.T.E.A.M. city

STEAM, the acronym of Science, Technology, Engineering & Environment, Arts, Manufacturing

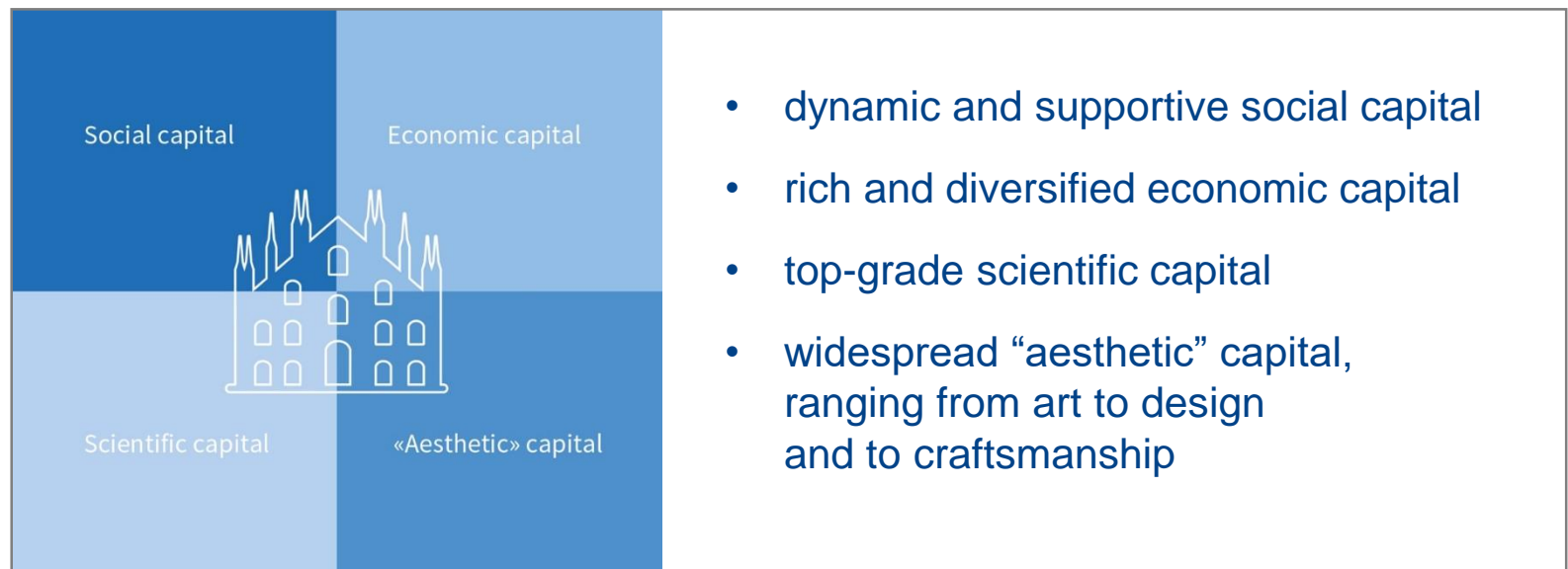


***Science***  
***Technology***  
***Engineering & Environment***  
***Arts***  
***Manufacturing***

# Lombardy and Milan: strengths

Milan S.T.E.A.M. city

The strength of Milan originates from the unique and distinctive blend of four assets:



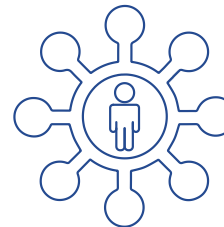
# Lombardy and Milan: strengths

Milan S.T.E.A.M. city

STEAM - our vision: 4 enablers, 3 strategic levers and 4 innovation trajectories

## 4 enablers

- A simple and digital city
- A quick and accessible city
- Quality human capital
- An inclusive city

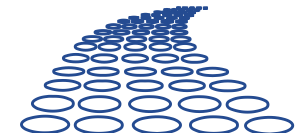


## 3 strategic levers

- Innovation
- Startups
- Global outreach

## 4 innovation trajectories

- Life sciences
- Manufacturing 4.0
- Art, culture e creativity
- Sustainable economy





**ASSOLOMBARDA**  
Confindustria Milano Monza e Brianza

[www.assolombarda.it](http://www.assolombarda.it)  
[www.farvolaremilano.it](http://www.farvolaremilano.it)  
[www.assolombardanews.it](http://www.assolombardanews.it)

