

# **Group of Twenty (G20)**

After the financial crisis of 2008, global leaders looked for multilateral solutions and held the first G20 Leaders Summit in Washington, D.C.

G20 members collectively decided to stimulate their economies and refrain from protectionist measures, thus hastening the end of the recession. This demonstrated that only by working together can the 'key players' address the challenges of a fast-changing world, and ensure stability and continuity in the economic and financial systems that underpin global security and prosperity.

Together, the G20 members represent around 90% of global GDP, 80% of global trade and two-thirds of the world's population, as well as some 60% of all agricultural land and about 80% of world trade in agricultural products.

The most recent and upcoming summit hosts are as follows:

Germany in 2017 Argentina in 2018 Japan in 2019 Saudi Arabia in 2020 Italy in 2021

This booklet has been realized with the scientific and statistical contribution of Edison Foundation and Research Center of Economic Analysis and International Economic Development (CRANEC) of Catholic University of Milan

# **THE G20 MEMBERS (2019)**

#### **Argentina**

Population (million) 44.9

GDP (current billion USD) 445.4



#### **Australia**

Population (million)

25.4

GDP (current billion USD) 1,396.6



#### Brazil

Population (million)

211.0

GDP (current billion USD) 1,839.8



#### Canada

Population (million)

37.6

GDP (current billion USD)

1,736.4



#### China

Population (million)

1,397.7

GDP (current billion USD) 14,342.9



Population (million)

60.3

GDP (current billion USD) 2,003.6



#### Japan

Population (million) 126.3

GDP (current billion USD) 5,081.8

**3** 

## Mexico

Population (million) 127.6

GDP (current billion USD) 1,268.9



#### Republic of Korea

Population (million)

51.7

**GDP** (current billion USD)

1,646.7



#### Population (million)

144.4

GDP (current billion USD)

1,699.9

Source: World Bank

**SUSTAINABILITY** 

# **INNOVATION**



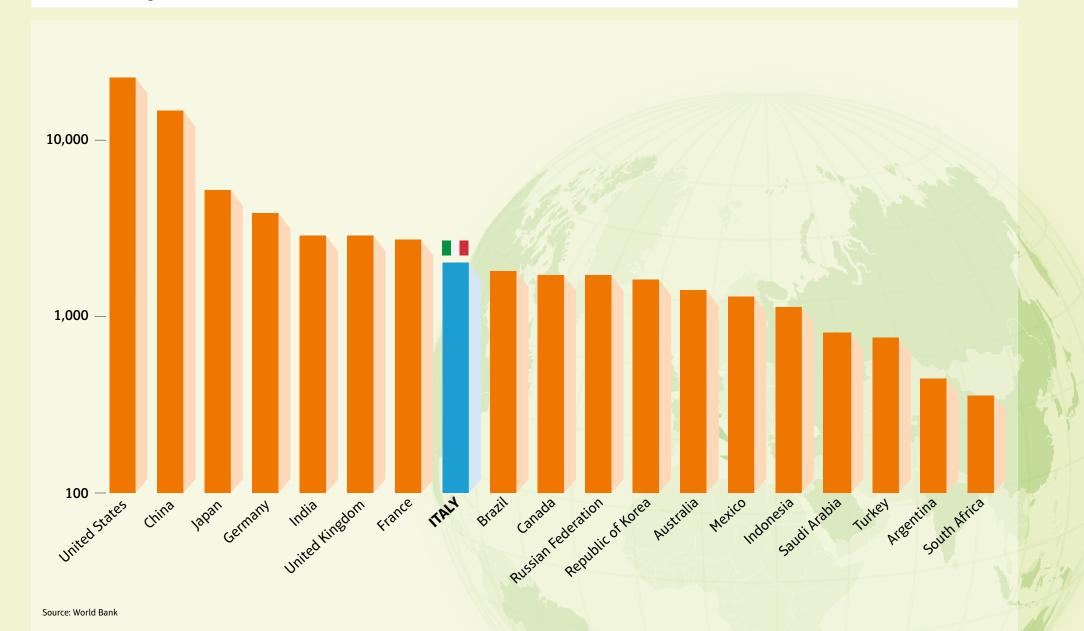
# **G20 AND THE ITALIAN ECONOMY**

Key indicators to be kept in mind



# **GROSS DOMESTIC PRODUCT (2019)**

(USD billion, log scale)



# TOTAL CO<sub>2</sub> EMISSIONS (2019)

(million tonnes, log scale)

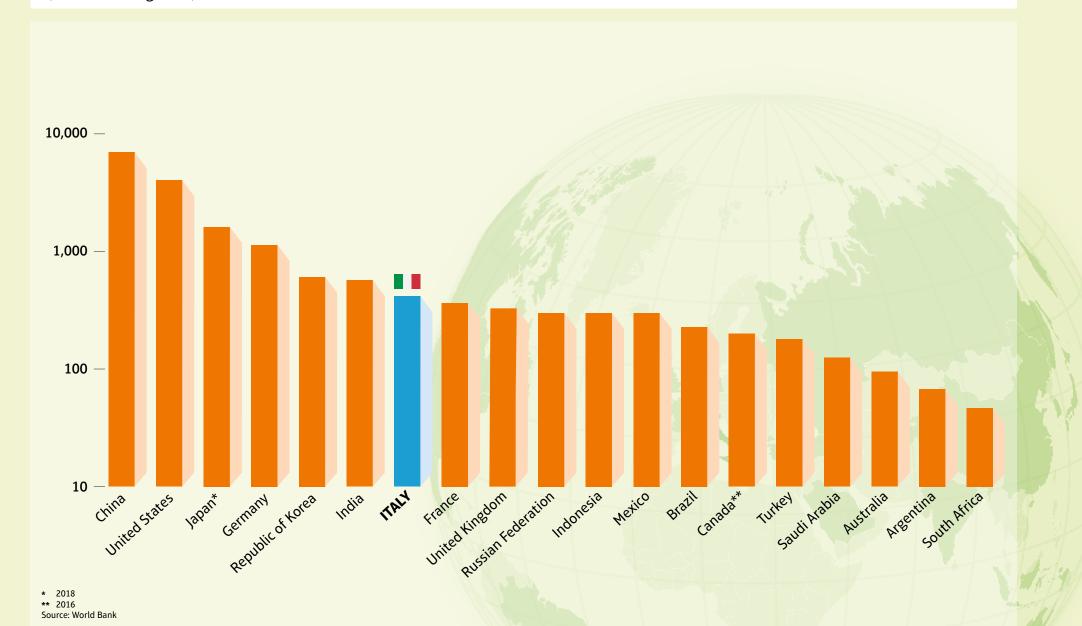


\* 2018

Source: International Energy Agency

# **VALUE ADDED OF MANUFACTURING INDUSTRY (2019)**

(USD billion, log scale)



# CO<sub>2</sub> EMISSIONS OF INDUSTRY (2018)

(million tonnes, log scale)



# **Table of contents**

SECTION 1 ECONOMIC	COMPETITIVENESS AND INTERNATIONAL TRADE	11
Table 1	Manufactured exports per capita (2018)	12
Table 2	Total merchandise trade balance (2019)	13
Table 3	Total merchandise trade balance, excluding mineral fuels (2019)	14
Table 3.1	Trade balance of Fashion, Furniture, Food & Wine (2019)	15
Table 3.2	Trade balance of Machinery, Metal products and Medicaments (2019)	16
Table 4	GDP per capita growth (2015-2018)	17
Table 4.1	Manufacturing value added growth (2015-2018)	18
Table 4.1.1	Manufacturing value added growth (2015-2018): the case of Northeastern Italy	19
Table 4.1.2	Manufacturing value added growth (2015-2018): the case of Southern Italy	20
Table 4.2	Gross fixed capital formation growth (2015-2018)	21
Table 4.2.1	Gross fixed capital formation growth (2015-2018): the cases of Veneto and Emilia-Romagna	22
Table 4.2.2	Gross fixed capital formation growth (2015-2018): the cases of Campania and Puglia	23

SECTION 2 ENVIRONM	ENT, HUMAN DEVELOPMENT, HEALTH, DIET, QUALITY OF LIFE	25
Table 5	Planetary pressure adjusted Human Development Index (2019)	26
Table 5.1	Total CO <sub>2</sub> emissions (2019)	27
Table 5.2	CO <sub>2</sub> emissions of industry (2018)	28
Table 5.3	Share of renewable energies in electricity production (2019)	29
Table 5.4	Share of wind and solar energy in electricity production (2019)	30
Table 6	GDP per unit of energy use (Global Innovation Index 2020)	31
Table 7	Life expectancy at birth (2019)	32
Table 8	Per capita production of fruit (2018)	33
Table 8.1	Production of selected fresh vegetables (2019): the case of Southern Italy	34
Table 8.2	Production of fruit (2019): the case of Southern Italy	35
Table 9	Share of area under organic agriculture in total agricultural area (2018)	36
Table 10	Number of UNESCO World Heritage sites (2021)	37
Table 11	International tourism: arrivals of overnight visitors (2019)	38
Table 12	International tourism: nights spent at tourist accomodation establishments (2019)	39

	, TECHNOLOGY, INNOVATION, DESIGN, QUALITY ENT SYSTEMS	41
Table 13	Scientific and technical articles /bn PPP\$ GDP (Global Innovation Index 2020)	42
Table 14	Operational stock of industrial robots: total economy (2019)	43
Table 15	Operational stock of industrial robots: food, beverages and tobacco (2019)	44
Table 16	Operational stock of industrial robots: fashion industry (2019)	45
Table 17	Operational stock of industrial robots: furniture and wood products (2019)	46
Table 18	Operational stock of industrial robots: metal products and industrial machinery (2019)	47
<b>Table 19.1</b>	Export growth of medicaments for therapeutic or prophylactic uses for retail sale (2019)	48
<b>Table 19.2</b>	Number of superyachts on order or under construction (2021)	49
<b>Table 19.3</b>	Trade balance of packing or wrapping machinery (2019)	50
<b>Table 19.4</b>	Trade balance of machine tools (2019)	51
Table 19.5	Trade balance of bakery machinery and machinery for the industrial preparation or manufacture of spaghetti (2019)	52
<b>Table 19.6</b>	Trade balance of eye make-up preparations (2019)	53
Table 19.7	Trade balance of ceramic tiles of a water absorption coefficient by weight <= 0,5 % (2019)	54
Table 20	Industrial design by origin/bn PPP\$ GDP (Global Innovation Index 2020)	55
<b>Table 21.1</b>	ISO 9001 quality certificates/bn PPP\$ GDP (Global Innovation Index 2020)	56
Table 21.2	ISO 9001: number of quality certificates (2019)	57
<b>Table 22.1</b>	ISO 14001 (environment) quality certificates/bn PPP\$ GDP (Global Innovation Index 2020)	58
Table 22.2	ISO 14001 (environment): number of quality certificates (2019)	59

<b>SECTION 4</b>		
PUBLIC DE	BT, PRIVATE DEBT AND WEALTH	61
Table 23	Cumulated general government primary balance (2010-2019)	62
Table 24	Total private debt (2019)	63
Table 24.1	Private debt: households (2019)	64
<b>Table 24.2</b>	Private debt: non-financial corporations (2019)	65
Table 25	Ratio of household net wealth to GDP (2019)	66
Table 26	Households: median net wealth per adult (2019)	67
	AL APPENDIX IGTH OF MADE IN ITALY	69
Table A.1	The 3 F's (Fashion, Furniture, Food & Wine) of Made in Italy (2019)	70
Table A.2	The 3 M's (Machinery, Metal products and Medicaments) of Made in Italy (2019)	71
Table A.3	Export of handbags with outer surface of leather (2019)	72
	Export of sunglasses (2019)	72
Table A.4	Export of footwear with outer soles and upper of leather, excluding covering the ankle (2019)	73
	Export of footwear with outer soles and upper of leather, covering the ankle (2019)	73
Table A.5	Export of machine tools for working ceramics, stone, concrete (2019)	74
	Net trade of motor yachts (2019)	74
Table A.6	Production of wine (2018)	75
	Export of pasta (2019)	75
	Production of Parmigiano Reggiano (2016-2020)	75
Table A.7	Nights spent in EU-27 by tourists coming from G20 countries (2019)	76-77
Chart A.1	Agriculture value added: top 10 EU-27 countries (2019)	78
Chart A.2	Manufacturing value added: top 10 EU-27 countries (2019)	79
Chart A.3	Manufacturing productivity: G7 countries and Spain (2014-2019)	80

# **G20 Summary**

- The Italian economy is best known for its weak points: a high public debt as a percentage of GDP; modest growth rates over the last 20 years; a quite inefficient public administration; and the development gap between Northcentral Italy and Southern Italy. These are critical aspects that Italians are fully aware of and that the new government led by Mario Draghi is proposing to tackle with determination, through structural reforms and investment in line with the Next Generation EU (NGEU) programme and the National Plan for Recovery and Resilience. The coming years, and especially from now until 2026, will be crucial for addressing Italy's structural weaknesses and dualisms, as well as for continuing to drive its leading sectors.
- The latter, that is, the Italian economy's most dynamics sectors and various
  other important strengths are much less well known and the Italian
  presidency of the G20 is thus a unique opportunity also to focus attention
  on them. Along these lines, this booklet of selected statistical indicators
  aims to highlight the resilience of the Italian economy, the dynamism of
  its specialized industries, the progress in its growth in recent years and
  many other factors that can enable Italy not only to rapidly recover from

- the pandemic crisis but also to be a model of sustainable development in which growth, technological innovation, quality of life and respect for the environment can be combined in a balanced way.
- Italy is a leading country in manufacturing, agriculture and tourism. It has
  one of the highest trade surpluses in the world due to its specialization
  not only in the traditional «Made in Italy» sectors such as fashion, furniture,
  food and wine, but also in other medium-high and high technology sectors
  such as machinery and mechanical engineering, shipbuilding, motor yachts,
  aerospace, sports cars, high tech ceramic tiles and pharmaceuticals.
- Even though Italy has fewer big industrial groups than other economies, it is a strong exporter due to its dynamic and innovative network of small, medium-sized and medium-large companies which are present on all global markets.
- In spite of relatively low R&D spending as a percentage of GDP due to its limited presence in research-intensive sectors such as automotive and electronics/telecommunications, Italy's scientific and technical research is

extremely advanced in those sectors that intensively use technology and automation. It is also highly innovative in its sectors of specialization.

- Although it is highly industrialized, Italy is not as energy intensive as other similar countries and has relatively low CO<sub>2</sub> emissions relative to other large economies.
- Italian households are not highly indebted and are characterized by a high level of financial and real estate wealth.
- Apart from interest payments, Italy's general government budget has
  consistently been in surplus from 1993 to 2019, with only a slight deficit in
  2009 as a result of the global financial crisis.
- Moreover, in recent years before the Covid-19 pandemic, thanks to significant reforms and innovative policies, there has been further important progress in the Italian economy. Indeed, from 2015 to 2018 the Italian economy was growing robustly, particularly the manufacturing, trade and the tourism sectors, while the public debt/GDP ratio had stabilized. Southern Italy had accelerated the dynamics of its industrial value added, traditionally slower

than that of North-central Italy. It was also making significant improvements in agriculture and tourism, thus demonstrating that it is not an irreversible factor of weakness but actually has enormous unrealized potential for Italy's development.

Even though it is one of the countries hardest hit by the health, economic
and social emergency caused by the Covid-19 pandemic, Italy is actually
showing rapid signs of recovery and today has the chance to accelerate
and complete the reforms that were started in previous years, and to deal
with the persisting critical aspects and delays thanks also to the resources
made available by the EU in the form of the Recovery and Resilience Facility.
The Italian government's priority objectives are in line with the two main
provisions of NGEU programme, that is, ecological transition and the digital
revolution, but also other areas including strengthening research, education
and the transportation network, and last but not least, modernizing the
public administration and the judiciary.

**Marco Fortis**Director of Edison Foundation





### Manufactured exports per capita (2018)

G20 economies ranking	Countries	Value per capita (USD)
1	Germany	16,906
2	Republic of Korea	11,505
3	ITALY	8,035
4	France	7,784
5	<b>■ ● ■</b> Canada	7,112
6	<b>H</b> United Kingdom	5,546
7	<ul><li>Japan</li></ul>	5,250
8	Australia	4,016
9	United States	3,114
10	■ Mexico	2,983
11	C Turkey	1,802
12	China	1,685
13	Saudi Arabia	1,490
14	Russian Federation	1,352
15	South Africa	1,069
16	<b>♦</b> Brazil	652
17	Indonesia	464
18	Argentina	438
19	India	208

**G7 ECONOMIES OTHER G20 ECONOMIES RANKING RANKING** Republic of Korea 1 Germany 2 ITALY Australia 3 France Mexico Canada Turkey **United Kingdom** China Saudi Arabia 6 Japan United States **Russian Federation** South Africa Brazil 10 Indonesia Argentina 12 India

Source: Edison Foundation/CRANEC-Catholic University calculations based on UNIDO statistics

### Total merchandise trade balance (2019)

G20 economies ranking	Countries	Value (USD billion)
1	China	429.6
2	<b>G</b> ermany	250.7
3	Russian Federation	179.0
4	Saudi Arabia	107.5
5	ITALY	59.1
6	Australia	58.3
7	Brazil	46.7
8	Republic of Korea	39.1
9	Argentina	16.0
10	■ Mexico	5.4
11	South Africa	2.2
12	Indonesia	-3.6
13	Canada	-6.6
14	<ul><li>Japan</li></ul>	-15.1
15	C· Turkey	-29.6
16	France	-82.8
17	India India	-155.6
18	<b>H</b> United Kingdom	-224.2
19	United States	-923.2

#### OTHER G20 ECONOMIES **G7 ECONOMIES RANKING RANKING** 1 Germany China 2 ITALY **Russian Federation** 3 Canada Saudi Arabia 4 Japan Australia France Brazil **United Kingdom** Repubblic of Korea **United States** Argentina Mexico South Africa 10 Indonesia 11 Turkey

12 India

Source: Edison Foundation/CRANEC-Catholic University calculations based on UN Comtrade and ITC statistics

# Total merchandise trade balance, excluding mineral fuels (2019)

G20 economies ranking	Countries	Value (USD billion)
1	China	726.2
2	<b>G</b> ermany	325.6
3	<ul><li>Japan</li></ul>	126.6
4	Republic of Korea	124.2
5	ITALY	102.2
6	Brazil	40.6
7	■ Mexico	21.4
8	Argentina	17.2
9	South Africa	7.9
10	C Turkey	4.3
11	Australia	-3.4
12	Indonesia	-14.2
13	France	-32.4
14	Russian Federation	-39.9
15	India India	-47.5
16	Saudi Arabia*	-68.3
17	<b>■</b> ■ Canada	-71.8
18	<b>H</b> United Kingdom	-208.8
19	United States	-912.8

G7 ECONOMIES RANKING	OTHER G20 ECONOMIES RANKING
	The state of the s
1 Germany	1 China
2 Japan	2 Republic of Korea
3 ITALY	3 Brazil
4 France	4 Mexico
5 Canada	5 Argentina
6 United Kingdom	6 South Africa
7 United States	<b>7</b> Turkey
	8 Australia
	<b>9</b> Indonesia
	10 Russian Federation
	11 India
	12 Saudi Arabia*

<sup>\* 2018</sup> 

# Trade balance of Fashion, Furniture, Food & Wine\* (2019)

G20 economies ranking	Countries	Value (USD billion)
1	China	332.7
2	ITALY	56.4
3	<b>○</b> Turkey	23.5
4	India	21.8
5	Mexico	14.2
6	Indonesia	12.4
7	<b>♦</b> Brazil	2.4
8	Argentina	0.9
9	South Africa	-2.2
10	France	-9.6
11	Saudi Arabia	-12.5
12	Australia	-17.4
13	Germany	-18.6
14	Russian Federation	-19.1
15	Republic of Korea	-20.0
16	Canada	-23.1
17	United Kingdom	-40.5
18	<ul><li>Japan</li></ul>	-52.0
19	United States	-218.7

G7 ECONOMIES RANKING	OTHER G20 ECONOMIES RANKING
	The Market of the same
1 ITALY	1 China
2 France	2 Turkey
3 Germany	3 India
4 Canada	4 Mexico
5 United Kingdom	5 Indonesia
6 Japan	6 Brazil
7 United States	7 Argentina
	8 South Africa
	Saudi Arabia
	10 Australia

**Russian Federation** 

Republic of Korea

<sup>\*</sup> Processed food, wine and other beverages

Source: Edison Foundation/CRANEC-Catholic University calculations based on UN Comtrade and ITC statistics

### Trade balance of Machinery, Metal products and Medicaments (2019)

G20 economies ranking	Countries	Value (USD billion)
1	China	279.7
2	Germany	142.4
3	ITALY	74.6
4	<ul><li>Japan</li></ul>	47.8
5	Republic of Korea	19.2
6	Mexico	-2.7
7	<b>○</b> Turkey	-4.2
8	India	-7.6
9	South Africa	-7.7
10	Argentina	-8.8
11	France	-10.5
12	◆ Brazil	-18.7
13	United Kingdom	-18.8
14	Indonesia	-24.7
15	Saudi Arabia	-25.0
16	Australia	-35.0
17	Canada	-46.2
18	Russian Federation	-51.7
19	United States	-278.3

**G7 ECONOMIES OTHER G20 ECONOMIES RANKING RANKING** 1 Germany China 2 ITALY Republic of Korea Mexico 3 Japan France Turkey **United Kingdom** India Canada South Africa **United States** Argentina Brazil Indonesia 10 Saudi Arabia Australia **Russian Federation** 

Source: Edison Foundation/CRANEC-Catholic University calculations based on UN Comtrade and ITC statistics

# AFTER RECENTS REFORMS AND INNOVATIVE POLICIES, ITALY IS NO LONGER THE SLOWEST GROWING ECONOMY

## GDP per capita growth (2015-2018)

G20 economies ranking	Countries	Compound annual % change
1	China	6.3%
2	India	6.2%
3	Indonesia	3.8%
4	C Turkey	3.3%
5	Republic of Korea	2.5%
6	United States	1.8%
7	Mexico	1.4%
8	ITALY	1.3%
8	France	1.3%
8	Germany	1.3%
11	Japan	1.2%
11	<b>United Kingdom</b>	1.2%
13	Australia	1.0%
14	Canada	0.6%
15	Russian Federation	0.5%
16	Saudi Arabia	-0.3%
17	South Africa	-0.5%
18	Argentina	-0.9%
19	<b>S</b> Brazil	-1.9%

**G7 ECONOMIES OTHER G20 ECONOMIES RANKING RANKING** United States China 2 ITALY India 2 France Indonesia 2 Germany Turkey Japan Republic of Korea **United Kingdom** Mexico Canada Australia **Russian Federation** Saudi Arabia 10 South Africa Argentina 12 Brazil

Source: Edison Foundation/CRANEC-Catholic University calculations based on World Bank statistics

# Manufacturing value added growth (2015-2018)

G20 economies ranking	Countries	Compound annual % change
1	India	8.3%
2	China*	5.9%
3		5.0%
4	Indonesia	4.3%
5	Saudi Arabia	3.3%
6	Republic of Korea	2.7%
6	ITALY	2.7%
8	<ul><li>Japan</li></ul>	2.5%
9	Germany	2.3%
9	Mexico	2.3%
11	United States	1.7%
11	Canada	1.7%
13	Russian Federation	1.6%
14	France	0.9%
15	<b>United Kingdom</b>	0.7%
16	South Africa	0.3%
17	*** Australia	-0.6%
18	Argentina	-1.8%
19	<b>♦</b> Brazil	-2.5%

# G7 ECONOMIES RANKING

#### 1 ITALY

- Zapan
- **3** Germany
- 4 United States
- 4 Canada
- 6 France
- 7 United Kingdom

# OTHER G20 ECONOMIES RANKING

- 1 India
- 2 China\*
- **3** Turkey
- 4 Indonesia
- 5 Saudi Arabia
- 6 Republic of Korea
- Mexico
- 8 Russian Federation
- 9 South Africa
- 10 Australia
- Argentina
- 12 Brazil

<sup>\*</sup> Industry including construction

Source: Edison Foundation/CRANEC-Catholic University calculations based on World Bank statistics

# Manufacturing value added growth (2015-2018): the case of Northeastern Italy

G20 economies ranking	Countries	Compound annual % change
1	India	8.3%
2	China*	5.9%
3	• Turkey	5.0%
4	Indonesia	4.3%
5	NORTHEASTERN ITALY	3.4%
6	Saudi Arabia	3.3%
7	Republic of Korea	2.7%
8	<ul><li>Japan</li></ul>	2.5%
9	Germany	2.3%
9	■●■ Mexico	2.3%
11	United States	1.7%
11	<b>I∲I</b> Canada	1.7%
13	Russian Federation	1.6%
14	France	0.9%
15	United Kingdom	0.7%
16	South Africa	0.3%
17	<b>Australia</b>	-0.6%
18	Argentina	-1.8%
19	<b>⊗</b> Brazil	-2.5%

	ECONOMIES NKING
1	NORTHEASTERN ITALY
2	Japan
3	Germany
4	United States
4	Canada
6	France
7	United Kingdom

OTHER G20 ECONOMIES RANKING		
-18 A	Carl Mark 1	
1	India	
2	China*	
3	Turkey	
4	Indonesia	
5	Saudi Arabia	
6	Republic of Korea	
7	Mexico	
8	Russian Federation	
9	South Africa	

10 Australia

11 Argentina12 Brazil

<sup>\*</sup> Industry including construction

Source: Edison Foundation/CRANEC-Catholic University calculations based on World Bank and Istat statistics

# Manufacturing value added growth (2015-2018): the case of Southern Italy

G20 economies ranking	Countries	Compound annual % change
1	India	8.3%
2	China*	5.9%
3	Turkey	5.0%
4	Indonesia	4.3%
5	Saudi Arabia	3.3%
6	Republic of Korea	2.7%
6	SOUTHERN ITALY	2.7%
8	Japan	2.5%
9	Germany	2.3%
9	<b>■●</b> Mexico	2.3%
11	United States	1.7%
11	Canada	1.7%
13	Russian Federation	1.6%
14	France	0.9%
15	<b>H</b> United Kingdom	0.7%
16	South Africa	0.3%
17	*** Australia	-0.6%
18	Argentina	-1.8%
19	♦ Brazil	-2.5%

	G7 ECONOMIES RANKING	OT RA	
4		:07	T
	1 SOUTHERN ITALY	1	In
	2 Japan	2	Cl
	3 Germany	3	Τι
	4 United States	4	ln
	4 Canada	5	Sa
	6 France	6	Re
	7 United Kingdom	7	М
		8	Rı
	/b=(0.000)}		

	OTHER G20 ECONOMIES RANKING		
-10	The Table of the State of the S		
1	India		
2	China*		
3	Turkey		
4	Indonesia		
5	Saudi Arabia		
6	Republic of Korea		
7	Mexico		
8	Russian Federation		
9	South Africa		
10	Argentina		
11	Australia		

Brazil

<sup>\*</sup> Industry including construction

Source: Edison Foundation/CRANEC-Catholic University calculations based on World Bank and Istat statistics

## Gross fixed capital formation growth (2015-2018)

G20 economies ranking	Countries	Compound annual % change
1	India	8.0%
2	China*	5.8%
3	Indonesia	5.6%
4	Turkey	4.8%
4	Republic of Korea	4.8%
6	United States	3.5%
7	ITALY	3.0%
8	France	2.9%
8	Germany	2.9%
10	United Kingdom	2.2%
11	Mexico	1.3%
12	Japan	1.2%
13	Argentina	1.0%
14	South Africa	-0.4%
15	Australia	-0.7%
16	Russian Federation	-1.3%
16	Canada	-1.3%
18	Saudi Arabia	-3.2%
19	<b>⊗</b> Brazil	-6.5%

## G7 ECONOMIES RANKING

- United States
- 2 ITALY
- 3 France
- **3** Germany
- United Kingdom
- 6 Japan
- Canada

# OTHER G20 ECONOMIES RANKING

- 1 India
- 2 China\*
- Indonesia
- 4 Turkey
- Republic of Korea
- 6 Mexico
- 7 Argentina
- 8 South Africa
- 9 Australia
- 10 Russian Federation
- Saudi Arabia
- 12 Brazil

<sup>\*</sup> Gross capital formation

Source: Edison Foundation/CRANEC-Catholic University calculations based on World Bank statistics

# THE ITALIAN NORTHEASTERN REGIONS OF VENETO AND EMILIA-ROMAGNA HAD A STRONG INVESTMENT GROWTH

# Gross fixed capital formation growth (2015-2018): the cases of Veneto and Emilia-Romagna

G20 economies ranking	Countries	Compound annual % change
1	India	8.0%
2	China*	5.8%
3	Indonesia	5.6%
4	<b>VENETO</b>	5.4%
5		4.8%
5	Republic of Korea	4.8%
7	United States	3.5%
8	France	2.9%
8	Germany	2.9%
10	United Kingdom	2.2%
11	■ Mexico	1.3%
12	<ul><li>Japan</li></ul>	1.2%
13	Argentina	1.0%
14	South Africa	-0.4%
15	*** Australia	-0.7%
16	Russian Federation	-1.3%
16	<b>I ●</b> Canada	-1.3%
18	Saudi Arabia	-3.2%
19	◆ Brazil	-6.5%

G20 economies ranking	Countries	Compound annual % change
1	India	8.0%
2	China*	5.8%
3	Indonesia	5.6%
4	C Turkey	4.8%
4	Republic of Korea	4.8%
6	EMILIA-ROMAGNA	4.4%
7	United States	3.5%
8	France	2.9%
8	Germany	2.9%
10	United Kingdom	2.2%
11	<b>■</b> Mexico	1.3%
12	<ul><li>Japan</li></ul>	1.2%
13	Argentina	1.0%
14	South Africa	-0.4%
15	Australia	-0.7%
16	Russian Federation	-1.3%
16	<b>▶</b> Canada	-1.3%
18	Saudi Arabia	-3.2%
19	◆ Brazil	-6.5%

<sup>\*</sup> Gross capital formation

Source: Edison Foundation/CRANEC-Catholic University calculations based on World Bank statistics

# Gross fixed capital formation growth (2015-2018): the cases of Campania and Puglia

G20 economies ranking	Countries	Compound annual % change
1	India	8.0%
2	China*	5.8%
3	Indonesia	5.6%
4	Turkey	4.8%
4	Republic of Korea	4.8%
6	<b>CAMPANIA</b>	4.2%
7	United States	3.5%
8	France	2.9%
8	Germany	2.9%
10	<b>H</b> United Kingdom	2.2%
11	■ Mexico	1.3%
12	<ul><li>Japan</li></ul>	1.2%
13	Argentina	1.0%
14	South Africa	-0.4%
15	*** Australia	-0.7%
16	Russian Federation	-1.3%
16	<b>I∲I</b> Canada	-1.3%
18	Saudi Arabia	-3.2%
19	<b>♦</b> Brazil	-6.5%

G20 economies ranking	Countries	Compound annual % change
1	India	8.0%
2	China*	5.8%
3	Indonesia	5.6%
4	Turkey	4.8%
4	Republic of Korea	4.8%
6	United States	3.5%
7	PUGLIA	3.0%
8	France	2.9%
8	Germany	2.9%
10	<b>H</b> United Kingdom	2.2%
11	■ Mexico	1.3%
12	<ul><li>Japan</li></ul>	1.2%
13	Argentina	1.0%
14	South Africa	-0.4%
15	*** Australia	-0.7%
16	Russian Federation	-1.3%
16	<b>I∲I</b> Canada	-1.3%
18	Saudi Arabia	-3.2%
19	<b>♦</b> Brazil	-6.5%

<sup>\*</sup> Gross capital formation

Source: Edison Foundation/CRANEC-Catholic University calculations based on World Bank statistics





### A HIGH LEVEL OF SUSTAINABLE DEVELOPMENT

## Planetary pressure adjusted Human Development Index (2019)

G20 economies ranking	Countries	Index values
1	United Kingdom	0.825
2	Germany	0.814
3	France	0.801
4	ITALY	0.792
5	<ul><li>Japan</li></ul>	0.781
6	Argentina	0.778
7	C• Turkey	0.746
7	Republic of Korea	0.746
9	■ Mexico	0.733
10	Russian Federation	0.728
11	Canada	0.721
12	United States	0.718
13	<b>⊗</b> Brazil	0.710
14	Saudi Arabia	0.707
15	Australia	0.696
16	Indonesia	0.691
17	China	0.671
18	South Africa	0.648
19	India	0.626

**G7 ECONOMIES OTHER G20 ECONOMIES RANKING RANKING** 1 United Kingdom Argentina Germany Turkey Republic of Korea 3 France ITALY Mexico 5 Japan **Russian Federation** Canada Brazil **United States** Saudi Arabia Australia Indonesia 10 China South Africa

12 India

Source: Edison Foundation/CRANEC-Catholic University calculations based on UNDP, Human Development Report 2020

### ONE OF THE LOWEST CARBON DIOXIDE EMITTERS

# Total CO<sub>2</sub> emissions (2019)

G20 economies ranking	Countries	Million tonnes
1	Argentina*	171.2
2	France	293.2
3	ITALY	302.8
4	United Kingdom	339.2
5	<b>○</b> Turkey	371.4
6	Australia	388.7
7	<b>S</b> Brazil	406.5
8	South Africa*	428.0
9	■ Mexico	455.1
10	Saudi Arabia*	491.7
11	Indonesia*	542.9
12	Canada	571.8
13	Republic of Korea	586.2
14	Germany	659.1
15	<ul><li>Japan</li></ul>	1,066.2
16	Russian Federation*	1,587.0
17	India	2,309.1
18	United States	4,766.4
19	China	9,089.2

# G7 ECONOMIES RANKING

- 1 France
- 2 ITALY
- 3 United Kingdom
- 4 Canada
- **5** Germany
- 6 Japan
- United States

# OTHER G20 ECONOMIES RANKING

- 1 Argentina\*
- 2 Turkey
- 3 Australia
- 4 Brazil
- South Africa\*
- 6 Mexico
- Saudi Arabia\*
- 8 Indonesia\*
- Republic of Korea
- 10 Russian Federation\*
- 1 India
- 12 China

<sup>\* 2018</sup> 

## ONE OF THE LOWEST CARBON DIOXIDE EMITTERS IN INDUSTRY

# CO<sub>2</sub> emissions of industry (2018)

G20 economies ranking	Countries	Million tonnes
1	Argentina	20.7
2	<b>H</b> United Kingdom	32.0
3	ITALY	32.3
4	Australia	39.3
5	France	40.1
6	South Africa	46.8
7	<b>■</b> Mexico	66.7
8	<b>■◆</b> Canada	69.2
9	Republic of Korea	72.0
10	C Turkey	72.1
11	Brazil	87.0
12	<b>G</b> ermany	99.3
13	Indonesia	114.4
14	Saudi Arabia	125.1
15	<ul><li>Japan</li></ul>	191.7
16	Russian Federation	250.6
17	United States	458.8
18	India	571.4
19	China	2,667.4

**G7 ECONOMIES OTHER G20 ECONOMIES RANKING RANKING** 1 United Kingdom Argentina 2 ITALY Australia South Africa 3 France Canada Mexico Republic of Korea Germany Turkey 6 Japan United States Brazil Indonesia Saudi Arabia 10 Russian Federation India 12 China

Source: Edison Foundation/CRANEC-Catholic University calculations based on IEA statistics

### MORE AND MORE RENEWABLES IN ELECTRICITY PRODUCTION

## **Share of renewable energies in electricity production (2019)**

G20 economies ranking	Countries	% share
1	Brazil	82.3
2	<b>■</b> Canada	64.9
3	<b>C</b> Turkey	44.2
4	Germany	41.2
5	ITALY	40.5
6	<b>H</b> United Kingdom	37.5
7	Argentina	31.7
8	China	27.0
9	India	20.7
10	France	20.5
11	Australia	18.2
12	<ul><li>Japan</li></ul>	18.0
13	Russian Federation	17.9
13	United States	17.9
15	■●■ Mexico	17.5
16	Indonesia	11.9
17	South Africa	6.5
18	Republic of Korea	4.8
19	Saudi Arabia	0.3

**G7 ECONOMIES OTHER G20 ECONOMIES RANKING RANKING** 1 Canada Brazil 2 Germany Turkey ITALY Argentina **United Kingdom** China France India Australia Japan **United States Russian Federation** Mexico Indonesia 10 South Africa Republic of Korea 12 Saudi Arabia

Source: Edison Foundation/CRANEC-Catholic University calculations based on Enerdata statistics

### THE GROWING ROLE OF WIND AND SOLAR ENERGY

## Share of wind and solar energy in electricity production (2019)

G20 economies ranking	Countries	% share
1	Germany	28.9
2	<b>H</b> United Kingdom	23.9
3	ITALY	17.3
4	C· Turkey	13.8
5	Australia	12.1
6	<ul><li>Japan</li></ul>	10.6
7	Brazil	10.1
7	<b>■</b> Mexico	10.1
9	United States	9.8
10	China	8.7
11	France	8.5
12	India	6.9
13	Indonesia	5.6
14	<b>■◆</b> Canada	5.4
15	Argentina	4.1
16	South Africa	4.0
17	Republic of Korea	2.6
18	Saudi Arabia	0.3
19	Russian Federation	0.2

**G7 ECONOMIES OTHER G20 ECONOMIES RANKING RANKING** 1 Germany Turkey 2 United Kingdom Australia ITALY Brazil 4 Japan Mexico **United States** China 6 France India 7 Canada Indonesia Argentina South Africa Republic of Korea Saudi Arabia **Russian Federation** 

Source: Edison Foundation/CRANEC-Catholic University calculations based on Enerdata statistics

# GDP per unit of energy use\* (Global Innovation Index 2020)

G20 economies ranking	Countries	Score value (0-100)
1	<b>H</b> United Kingdom	48.0
2	ITALY	44.1
2	C· Turkey	44.1
4	Germany	38.2
5	Indonesia	36.5
6	■ Mexico	36.0
7	Japan	34.5
8	France	31.3
9	Brazil	29.3
10	Argentina	27.8
11	India	27.5
12	Australia	26.2
13	United States	21.7
14	Saudi Arabia	19.6
15	China	17.1
16	Republic of Korea	16.3
17	Canada	11.7
18	South Africa	11.0
19	Russian Federation	8.0

G7 ECONOMIES RANKING	OTHER G20 ECONOMIES RANKING
	34 Part 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 United Kingdom	1 Turkey
2 ITALY	2 Indonesia
3 Germany	3 Mexico
4 Japan	4 Brazil
5 France	5 Argentina
6 United States	6 India
7 Canada	7 Australia
724	8 Saudi Arabia
	9 China
	10 Republic of Korea
	1 South Africa

**Russian Federation** 

<sup>\*</sup> Purchasing power parity gross domestic product (PPP\$ GDP) per kilogram of oil equivalent of energy use Source: Edison Foundation/CRANEC-Catholic University calculations based on Global Innovation Index 2020

# Table 7

## LONG LIFE EXPECTANCY AT BIRTH

### Life expectancy at birth (2019)

G20 economies ranking	Countries	Years
1	<ul><li>Japan</li></ul>	84.6
2	ITALY	83.5
3	<b>***</b> Australia	83.4
4	Republic of Korea	83.0
5	France	82.7
6	Canada	82.4
7	<b>G</b> ermany	81.3
7	United Kingdom	81.3
9	United States	78.9
10	<b>○</b> Turkey	77.7
11	China	76.9
12	Argentina	76.7
13	Brazil	75.9
14	■ Mexico	75.1
14	Saudi Arabia	75.1
16	Russian Federation	72.6
17	Indonesia	71.7
18	India	69.7
19	South Africa	64.1

**G7 ECONOMIES OTHER G20 ECONOMIES RANKING RANKING** 1 Japan Australia 2 ITALY Republic of Korea 3 France Turkey 4 Canada China Germany Argentina **United Kingdom** Brazil **United States** Mexico Saudi Arabia **Russian Federation** 

10 Indonesia
11 India

12 South Africa

Sources: Edison Foundation/CRANEC-Catholic University calculations based on UNDP, Human Development Report 2020

## Table 8

#### WIDE AVAILABILITY OF FRUIT FOR A HEALTHY DIET

#### Per capita production of fruit (2018)

G20 economies ranking	Countries	Production (kg/person)
1	ITALY	297
2	C Turkey	287
3	<b>♦</b> Brazil	191
4	Argentina	182
5	Mexico	180
6	** China	167
7	*** Australia	153
8	France	140
9	South Africa	125
10	United States	80
11	Indonesia	76
12	India	73
13	Saudi Arabia	68
14	Republic of Korea	63
15	Russian Federation	41
16	Germany	37
17	Canada	29
18	<ul><li>Japan</li></ul>	25
19	United Kingdom	11

#### **G7 ECONOMIES OTHER G20 ECONOMIES RANKING RANKING** 1 ITALY Turkey 2 France Brazil 3 United States Argentina Germany Mexico Canada China Australia Japan **United Kingdom** South Africa Indonesia India 10 Saudi Arabia Republic of Korea

12 Russian Federation

Source: Edison Foundation/CRANEC-Catholic University calculations based on FAO, World Food and Agriculture - Statistical Yearbook 2020

# Table 8.1

#### SOUTHERN ITALY IS A GLOBAL GIANT IN FRESH VEGETABLES PRODUCTION

#### Production of selected fresh vegetables (2019): the case of Southern Italy

G20 economies ranking	Countries	ARTICHOKES (thousand tonnes)
1	<b>■</b> Italy	379
2	SOUTHERN ITALY	353
3	Argentina	112
4	** China	93
5	United States	46
6	Turkey	39
7	France	38
8	<b>■</b> Mexico	2

G20 economies ranking	Countries	OLIVES (thousand tonnes)
1	■ Italy	2,194
2	<b>SOUTHERN ITALY</b>	1,853
3	C Turkey	1,525
4	Argentina	326
5	United States	152
6	Australia	86
7	<b>■</b> Mexico	25
8	France	24
9	* China	3
9	♦ Brazil	3

# Table 8.2

#### SOUTHERN ITALY IS A GLOBAL GIANT IN FRUIT PRODUCTION

#### Production of selected fresh fruit (2019): the case of Southern Italy

G20 economies ranking	Countries	APRICOTS (thousand tonnes)
1	C Turkey	847
2	<b>■</b> Italy	273
3	SOUTHERN ITALY	149
4	France	135
5	<ul><li>Japan</li></ul>	88
6	Russian Federation	70
7	** China	69
8	United States	47
9	Argentina	27
10	South Africa	25
11	India	16
12	Australia	8
13	Canada	1
13	Mexico	1

G20 economies ranking	Countries	GRAPES* (thousand tonnes)
1	* China	14,372
2	<b>■</b> Italy	7,900
3	United States	6,233
4	France	5,490
5	<b>C</b> Turkey	4,100
6	SOUTHERN ITALY	3,959
7	India	3,041
8	Argentina	2,520
9	South Africa	1,993
10	🌃 Australia	1,554
11	<b>♦</b> Brazil	1,485
12	Germany	1,125
13	Russian Federation	678
14	<b>■</b> Mexico	473
15	<ul><li>Japan</li></ul>	173
16	Republic of Korea	161
17	Saudi Arabia	118
18	<b>■</b> Canada	115

Source: Edison Foundation/CRANEC-Catholic University calculations based on FAO and Istat statistics

<sup>\*</sup> Italy is the world's top producer of wine grape

## Table 9

#### A LEADER IN ORGANIC AGRICULTURE

#### Share of area under organic agriculture in total agricultural area (2018)

G20 economies ranking	Countries	Organic area (% share in total)
1	ITALY	15.8
2	<b>***</b> Australia	9.9
3	<b>Germany</b>	7.3
4	France	7.1
5	United Kingdom	2.7
6	Argentina	2.4
7	<b>■</b> Canada	2.3
8	C· Turkey	1.7
9	Republic of Korea	1.5
10	India	1.1
11	China	0.6
12	Brazil	0.5
12	United States	0.5
14	Indonesia	0.4
15	Russian Federation	0.3
16	Japan	0.2
16	<b>■</b> Mexico	0.2
18	South Africa	0.1
19	Saudi Arabia	0.0

OTHER G20 ECONOMIES **G7 ECONOMIES RANKING RANKING** 1 ITALY Australia 2 Germany Argentina 3 France Turkey **United Kingdom** Republic of Korea Canada India **United States** China 7 Japan Brazil 8 Indonesia **Russian Federation** 10 Mexico South Africa

12 Saudi Arabia

Source: Edison Foundation/CRANEC-Catholic University calculations based on FAO, World Food and Agriculture - Statistical Yearbook 2020

## Table 10

#### HIGHEST NUMBER OF UNESCO HERITAGE SITES

#### **Number of UNESCO World Heritage sites (2021)**

G20 economies ranking	Countries	Number of sites
1	ITALY	55
1	China	55
3	Germany	46
4	France	45
5	India India	38
6	■ Mexico	35
7	United Kingdom	32
8	Russian Federation	29
9	United States	24
10	<ul><li>Japan</li></ul>	23
11	<b>♦</b> Brazil	22
12	Australia	20
12	Canada	20
14	<b>○</b> Turkey	18
15	Republic of Korea	14
16	Argentina	11
17	South Africa	10
18	Indonesia	9
19	Saudi Arabia	5

**G7 ECONOMIES OTHER G20 ECONOMIES RANKING RANKING** 1 ITALY China India 2 Germany 3 France Mexico **United Kingdom Russian Federation United States** Brazil 6 Japan Australia Canada Turkey Republic of Korea Argentina 10 South Africa Indonesia 12 Saudi Arabia

Source: Edison Foundation/CRANEC-Catholic University calculations based on UNESCO, World Heritage List, february 2021

#### International tourism: arrivals of overnight visitors (2019)

G20 economies ranking	Countries	Million of visitors
1	France*	89.4
2	United States	79.3
3	China	65.7
4	ITALY	64.5
5	<b>○</b> Turkey	51.2
6	■ Mexico	45.0
7	Germany	39.6
8	United Kingdom	39.4
9	<ul><li>Japan</li></ul>	32.2
10	Russian Federation	24.4
11	Canada	22.1
12	India	17.9
13	Republic of Korea	17.5
13	Saudi Arabia	17.5
15	Indonesia	15.5
16	South Africa	10.2
17	Australia	9.5
18	Argentina	7.4
19	● Brazil*	6.6

G7 ECONOMIES RANKING	OTHER G20 ECONOMIES RANKING
The second state of the se	The state of the s
1 France*	1 China
2 United States	2 Turkey
3 ITALY	3 Mexico
4 Germany	4 Russian Federation
5 United Kingdom	5 India
6 Japan	6 Republic of Korea
7 Canada	6 Saudi Arabia
	8 Indonesia
<b>一</b>	9 South Africa
	10 Australia
	1 Argentina

12 Brazil\*

<sup>\* 2018</sup> 

Source: UNWTO, World Tourism Barometer, December 2020

#### International tourism: nights spent at tourist accommodation establishments (2019)

G20 economies ranking	Countries*	Million of nights, non-resident tourists
1	United States**	297,8
2	<b>H</b> United Kingdom	291,3
3	ITALY	220,7
4	Saudi Arabia	189,0
5	France	135,3
6	Japan	115,7
7		112,2
8	Germany	89,9
9	■ Mexico**	81,3
10	Australia	46,4
11	Republic of Korea** ***	18,3
12	Argentina**	10,9

# OTHER G20 ECONOMIES RANKING 1 United States\*\* 2 United Kingdom 3 ITALY 4 France OTHER G20 ECONOMIES RANKING 1 Saudi Arabia 2 Turkey 3 Mexico\*\*

5 Japan

Germany

Republic of Korea\*\* \*\*\*

Argentina\*\*

<sup>\*</sup> Data for Brazil, Canada, China, India, Indonesia, Russian Federation and South Africa not available

<sup>\*\*</sup> Only in hotels

<sup>\*\*\* 2017</sup> 





#### Scientific and technical articles/bn PPP\$ GDP (Global Innovation Index 2020)

G20 economies ranking	Countries	Number of scientific & technical articles/ bn PPP\$ GDP
1	** Australia	29.2
2	United Kingdom	25.2
3	<b>I I</b> ■ Canada	22.1
4	Republic of Korea	20.8
5	ITALY	18.3
6	Germany	16.8
7	France	16.4
8	China	13.8
9	South Africa	11.6
10	United States	10.7
11	◆ Brazil	10.5
12	<ul><li>Japan</li></ul>	9.7
13	<ul><li>Turkey</li></ul>	9.5
14	Saudi Arabia	7.8
15	Russian Federation	7.3
16	Argentina	7.1
17	India	5.8
18	<b>■</b> Mexico	4.8
19	Indonesia	0.7

**G7 ECONOMIES OTHER G20 ECONOMIES RANKING RANKING** 1 United Kingdom Australia Canada Republic of Korea 3 ITALY China Germany South Africa France Brazil **United States** Turkey Saudi Arabia 7 Japan **Russian Federation** Argentina 10 India Mexico 12 Indonesia

Source: Edison Foundation/CRANEC-Catholic University calculations based on Global Innovation Index 2020

## Table 14

#### A MODERN AND AUTOMATIZED PRODUCTION SYSTEM

#### Operational stock of industrial robots: total economy (2019)

G20 economies ranking	Countries	Number of units
1	China	782,725
2	<ul><li>Japan</li></ul>	354,878
3	Republic of Korea	324,049
4	United States	299,674
5	Germany	221,578
6	ITALY	74,420
7	France	42,054
8	<b>■</b> Mexico	37,275
9	India	26,306
10	Canada	25,230
11	United Kingdom	21,678
12	Brazil	15,303
13	C• Turkey	15,033
14	Indonesia	9,147
15	📆 Australia	6,649
16	Russian Federation	6,185
17	South Africa	5,122
18	Argentina	3,064
19	Saudi Arabia	157

G7 ECONOMIES RANKING

- Japan
- 2 United States
- **3** Germany
- 4 ITALY
- 5 France
- **6** Canada
- 7 United Kingdom

OTHER G20 ECONOMIES RANKING

- 1 China
- Republic of Korea
- Mexico
- 4 India
- 6 Brazil
- 6 Turkey
- Indonesia
- 8 Australia
- 9 Russian Federation
- 10 South Africa
- Argentina
- 12 Saudi Arabia

Source: Edison Foundation/CRANEC-Catholic University calculation based on VDMA, World Robotics 2020 - Industrial Robots

#### Operational stock of industrial robots: food, beverages and tobacco (2019)

G20 economies ranking	Countries**	Number of units
1	North America*	17,532
2	China	13,981
3	ITALY	8,538
4	<ul><li>Japan</li></ul>	7,565
5	Germany	7,148
6	France	3,861
7	Republic of Korea	1,557
8	United Kingdom	1,470
9	C· Turkey	620
10	Russian Federation	262
11	India	98

# G7 ECONOMIES RANKING

- 1 North America\*
- 2 ITALY
- Japan
- 4 Germany
- 5 France
- **6** United Kingdom

- 1 China
- Republic of Korea
- 3 Turkey
- 4 Russian Federation
- India

<sup>\*</sup> United States, Canada, Mexico

<sup>\*\*</sup> Data for Argentina, Australia, Brazil, Indonesia, Saudi Arabia and South Africa not available
Source: Edison Foundation/CRANEC-Catholic University calculation based on VDMA, World Robotics 2020 - Industrial Robots

#### Operational stock of industrial robots: fashion industry\* (2019)

G20 economies ranking	Countries**	Number of units
1	China	1,017
2	ITALY	388
3	<b>G</b> ermany	366
4	North America***	271
5	<ul><li>Japan</li></ul>	80
6	■ France	57
7	C· Turkey	23
8	United Kingdom	12
9	Republic of Korea	9
10	Russian Federation	8
11	India	4

# G7 ECONOMIES RANKING

- 1 ITALY
- 2 Germany
- 3 North America\*\*\*
- 4 Japan
- 5 France
- **6** United Kingdom

- 1 China
- 2 Turkey
- 3 Republic of Korea
- 4 Russian Federation
- 5 India

<sup>\*</sup> Textile, leather, wearing apparel

<sup>\*\*</sup> Data for Argentina, Australia, Brazil, Indonesia, Saudi Arabia and South Africa not available

<sup>\*\*\*</sup> United States, Canada, Mexico

#### Operational stock of industrial robots: furniture and wood products (2019)

G20 economies ranking	Countries**	Number of units
1	China	1,666
2	<b>G</b> ermany	969
3	ITALY	766
4	North America*	431
5	<ul><li>Japan</li></ul>	336
6	France	223
7	United Kingdom	61
8	Russian Federation	54
9	C· Turkey	44
10	Republic of Korea	35
11	India	1

# G7 ECONOMIES RANKING 1 Germany 2 ITALY 3 North America\* 4 Japan 5 France 6 United Kingdom

- 1 China
- 2 Russian Federation
- 3 Turkey
- 4 Republic of Korea
- 5 India

<sup>\*</sup> United States, Canada, Mexico

<sup>\*\*</sup> Data for Argentina, Australia, Brazil, Indonesia, Saudi Arabia and South Africa not available
Source: Edison Foundation/CRANEC-Catholic University calculation based on VDMA, World Robotics 2020 - Industrial Robots

#### Operational stock of industrial robots: metal products and industrial machinery (2019)

G20 economies ranking	Countries**	Number of units
1	China	62,330
2	<ul><li>Japan</li></ul>	43,487
3	Germany	27,986
4	ITALY	17,062
5	North America*	16,958
6	Republic of Korea	7,890
7	France	5,127
8	C• Turkey	2,226
9	United Kingdom	1,572
10	India	1,460
11	Russian Federation	1,203

G7 ECONOMIES RANKING			HER (
4 2			The same
1 Japan		1	Chin
2 Germany		2	Rep
3 ITALY	A	3	Turk
4 North America*		4	India
5 France		5	Russ
6 United Kingdom			

OTHER G20	<b>ECONOMIES</b>
OTTILIN UZU	LCONOMILS
RANKING	

- oublic of Korea
- key
- sian Federation

<sup>\*</sup> United States, Canada, Mexico

<sup>\*\*</sup> Data for Argentina, Australia, Brazil, Indonesia, Saudi Arabia and South Africa not available
Source: Edison Foundation/CRANEC-Catholic University calculation based on VDMA, World Robotics 2020 - Industrial Robots

#### A WORLD LEADER IN HIGH-TECH INDUSTRIES: THE CASE OF MEDICAMENTS

#### Export growth of medicaments for therapeutic or prophylactic uses for retail sale (2019)

G20 economies ranking	Countries	Export growth on previous year (% change 2019/2018)	2019	Trade balance 2019 (USD billion)
1	ITALY	24	24.1	7.4
2	Japan	20	4.7	-11.9
3	India	13	14.5	13.4
4	Turkey	12	0.8	-1.7
5	United States	11	22.9	-56.0
6	Australia Australia	10	1.9	-3.4
6	<b>■</b> Canada	10	7.4	-1.0
8	Russian Federation	5	0.5	-9.6
8	Saudi Arabia	5	0.3	-3.7
10	South Africa	4	0.3	-1.4
11	France	3	26.2	10.4
12	Argentina	2	0.5	-0.6
12	Republic of Korea	2	0.8	-3.2
14	Germany	1	56.5	25.9
15	◆ Brazil	0	0.9	-2.9
16	China	-3	3.8	-17.4
17	Indonesia	-4	0.4	-0.2
18	United Kingdom	-5	18.0	3.3
19	■ Mexico	-12	1.0	-1.7

**G7 ECONOMIES OTHER G20 ECONOMIES RANKING RANKING ITALY** India 2 Japan 2 Turkey 3 United States Australia Canada **Russian Federation** 5 France Saudi Arabia South Africa Germany **United Kingdom** Argentina Republic of Korea **Brazil** China Indonesia 12 Mexico

Source: Edison Foundation/CRANEC-Catholic University calculation based on UN Comtrade and ITC statistics

#### Number of superyachts on order or under construction (2021)

G20 economies ranking	Countries*	Superyachts orders (number)
1	ITALY	407
2	<b>○</b> Turkey	76
3	<b>X</b> United Kingdom	61
4	United States	29
5	China	21
6	<b>Germany</b>	18
7	♦ Brazil	13
8	🎇 Australia	3
8	France	3
8	South Africa	3
8	<b>■</b> Canada	



<sup>\*</sup> Data for Argentina, India, Indonesia, Japan, Mexico, Republic of Korea, Russian Federation, Saudi Arabia not available Source: Edison Foundation/CRANEC-Catholic University calculations based on Boat International - Global Order Book 2021

#### A WORLD LEADER IN HIGH-TECH INDUSTRIES: THE CASE OF PACKING MACHINERY

#### Trade balance of packing or wrapping machinery (2019)

G20 economies ranking	Countries	Trade balance (USD million)
1	ITALY	2,587.2
2	Germany	1,914.6
3	<ul><li>Japan</li></ul>	197.6
4	○ Turkey	-5.6
5	<b>■</b> Canada	-10.5
6	Argentina	-22.3
7	China	-42.4
8	Republic of Korea	-43.1
9	Saudi Arabia	-61.2
10	H United Kingdom	-78.1
11	India	-79.1
12	South Africa	-84.7
13	France	-117.8
14	Brazil	-121.8
15	👯 Australia	-146.4
16	■ Mexico	-156.0
17	Indonesia	-194.1
18	Russian Federation	-324.3
19	United States	-967.3

**G7 ECONOMIES OTHER G20 ECONOMIES RANKING RANKING** 1 ITALY Turkey 2 Germany Argentina China 3 Japan Canada Republic of Korea **United Kingdom** Saudi Arabia 6 France India **United States** South Africa Brazil Australia 10 Mexico Indonesia **Russian Federation** 

Source: Edison Foundation/CRANEC-Catholic University calculation based on UN Comtrade and ITC statistics

# A WORLD LEADER IN HIGH-TECH INDUSTRIES: THE CASE OF MACHINE TOOLS FOR WORKING METALS

#### Trade balance of machine tools\* (2019)

G20 economies ranking	Countries	Trade balance (USD million)
1	ITALY	1,062.4
2	Germany	1,008.2
3	<ul><li>Japan</li></ul>	852.5
4	Republic of Korea	384.0
5	C· Turkey	142.2
6	United Kingdom	5.7
7	France	-0.2
8	Argentina	-31.9
9	South Africa	-35.7
10	Saudi Arabia	-51.1
11	Brazil	-78.5
12	Australia	-95.4
13	China	-97.6
14	<b>■</b> Canada	-108.1
15	Indonesia	-198.8
16	Russian Federation	-205.0
17	India	-535.0
18	United States	-580.9
19	<b>■</b> Mexico	-642.0

ECONOMIES	OTHER
NKING	RANKIN

- 1 ITALY
- 2 Germany
- Japan
- 4 United Kingdom
- 5 France
- **6** Canada
- 7 United States

- Republic of Korea
- 2 Turkey
- 3 Argentina
- 4 South Africa
- 5 Saudi Arabia
- 6 Brazil
- Australia
- 8 China
- 9 Indonesia
- 10 Russian Federation
- 1 India
- 12 Mexico

<sup>\*</sup> Machine tools, including presses, for working metal by forging, hammering or die-stamping, bending, folding, straightening, flattening, shearing, punching or notching

Source: Edison Foundation/CRANEC-Catholic University calculation based on UN Comtrade and ITC statistics

#### NOT ONLY SPAGHETTI BUT ALSO RELATED ADVANCED INDUSTRIAL MACHINERY

#### Trade balance of bakery machinery and machinery for the industrial preparation or manufacture of spaghetti (2019)

G20 economies ranking	Countries	Trade balance (USD million)
1	ITALY	738.9
2	Germany	161.8
3	China	105.3
4	<ul><li>Japan</li></ul>	85.8
5	France	41.9
6	C Turkey	14.6
7	Argentina	-1.5
8	South Africa	-6.0
9	United Kingdom	-9.9
10	Saudi Arabia	-17.6
11	Republic of Korea	-24.4
12	India	-32.1
13	Australia	-32.3
14	Canada	-45.4
15	<b>⊗</b> Brazil	-48.8
16	■ Mexico	-65.2
17	Indonesia	-86.4
18	United States	-94.4
19	Russian Federation	-94.6

**G7 ECONOMIES OTHER G20 ECONOMIES RANKING RANKING** 1 ITALY China Turkey 2 Germany Argentina 3 Japan France South Africa **United Kingdom** Saudi Arabia Canada Republic of Korea **United States** India Australia Brazil 10 Mexico Indonesia **Russian Federation** 

Source: Edison Foundation/CRANEC-Catholic University calculation based on UN Comtrade and ITC statistics

## **Table 19.6**

#### NOT ONLY SHOES AND WEARING APPAREL BUT ALSO COSMETICS SPECIALTIES

#### Trade balance of eye make-up preparations (2019)

G20 economies ranking	Countries	Trade balance (USD million)
1	ITALY	374.4
2	China	263.7
3	France	193.6
4	Germany	189.2
5	<ul><li>Japan</li></ul>	132.3
6	Republic of Korea	103.0
7	Argentina	-1.3
8	C· Turkey	-9.1
9	South Africa	-16.3
10	Brazil	-16.4
11	India	-24.2
12	Indonesia	-37.4
13	Mexico	-42.7
14	Canada	-53.8
15	Saudi Arabia	-54.6
16	Australia	-84.6
17	Russian Federation	-147.3
18	United Kingdom	-147.7
19	United States	-318.7

#### **G7 ECONOMIES OTHER G20 ECONOMIES RANKING RANKING** 1 ITALY China Republic of Korea 2 France Argentina 3 Germany Japan Turkey Canada South Africa **United Kingdom** Brazil **United States** India Indonesia Mexico 10 Saudi Arabia Australia

12 Russian Federation

Source: Edison Foundation/CRANEC-Catholic University calculation based on UN Comtrade and ITC statistics

#### NOT ONLY FURNITURE BUT ALSO HIGH-TECH CERAMIC TILES

#### Trade balance of ceramic tiles of a water absorption coefficient by weight <= 0,5 % (2019)

G20 economies ranking	Countries*	Trade balance (USD million)
1	ITALY	3,860.4
2	China	2,228.9
3	India	780.1
4	C· Turkey	476.1
5	Brazil	57.0
6	Argentina	-31.1
7	South Africa	-74.4
8	Russian Federation	-134.9
9	Canada	-149.8
10	Japan	-150.7
11	Republic of Korea	-170.9
12	Australia	-207.9
13	Indonesia	-225.8
14	United Kingdom	-262.4
15	Germany	-341.7
16	France	-690.4
17	United States	-1,093.8

#### **G7 ECONOMIES** OTHER G20 ECONOMIES RA **RANKING NKING** 1 ITALY China Canada India Turkey 3 Japan **United Kingdom** Brazil Argentina Germany South Africa France **United States Russian Federation** Republic of Korea Australia 10 Indonesia

<sup>\*</sup> Data for Mexico, Saudi Arabia not available Source: Edison Foundation/CRANEC-Catholic University calculation based on UN Comtrade and ITC statistics

## Table 20

#### A LEADER IN INDUSTRIAL DESIGN

#### Industrial design by origin/bn PPP\$ GDP (Global Innovation Index 2020)

G20 economies ranking	Countries	Score value (0-100)
1	Republic of Korea	100.0
1	ITALY	100.0
1	China	100.0
4	<b>○</b> Turkey	80.2
5	Germany	71.5
6	United Kingdom	49.5
7	France	32.7
8	<ul><li>Japan</li></ul>	21.8
9	Australia	12.2
10	South Africa	6.4
11	United States	5.8
12	<b>♦</b> Brazil	5.7
13	Argentina	5.3
14	Russian Federation	4.7
15	India	4.4
16	Indonesia	3.6
17	■ Mexico	3.3
18	Canada	2.2
19	Saudi Arabia	1.0

# OTHER G20 ECONOMIES RANKING 1 ITALY 1 Republic of Korea 2 Germany 3 United Kingdom 3 Turkey

France 4 Australia

**United States** 

Canada

- 5 Japan 5 South Africa
  - 7 Argentina
    - 8 Russian Federation
    - 9 India
    - 10 Indonesia

Brazil

- Mexico
- 12 Saudi Arabia

Source: Edison Foundation/CRANEC-Catholic University calculations based on Global Innovation Index 2020

#### A LEADER IN ISO 9001: CERTIFICATES/GDP

#### ISO 9001 quality certificates/bn PPP\$ GDP (Global Innovation Index 2020)

G20 economies ranking	Countries	Score value (0-100)
1	ITALY	99.8
2	China	31.7
3	Germany	31.3
4	United Kingdom	26.4
5	<ul><li>Japan</li></ul>	20.0
6	France	19.2
7	Argentina	18.3
8	Republic of Korea	17.0
9	Australia	16.6
10	Brazil	13.0
11	South Africa	11.0
12	<b>C</b> Turkey	9.2
13	India	8.0
14	Canada	7.0
15	■●■ Mexico	6.7
16	Indonesia	4.2
17	Russian Federation	2.6
17	United States	2.6
19	Saudi Arabia	2.4

**G7 ECONOMIES OTHER G20 ECONOMIES RANKING RANKING** 1 ITALY China 2 Germany Argentina 3 United Kingdom Republic of Korea Japan Australia Brazil France South Africa Canada **United States** Turkey India Mexico 10 Indonesia **Russian Federation** 

12 Saudi Arabia

Source: Edison Foundation/CRANEC-Catholic University calculations based on Global Innovation Index 2020

#### A LEADER IN ISO 9001: NUMBER OF CERTIFICATES

#### ISO 9001: number of quality certificates (2019)

G20 economies ranking	Countries	Number of ISO 9001 quality certificates
1	China	280,386
2	ITALY	95,812
3	Germany	47,868
4	India	34,397
5	Japan	33,330
6	United Kingdom	25,292
7	France	21,696
8	United States*	20,956
9	Brazil	17,952
10	Republic of Korea	12,851
11	■ Mexico	7,741
12		7,290
13	Australia	7,184
14	Argentina	6,611
15	Indonesia	6,433
16	<b>▶</b> Canada	4,557
17	Russian Federation	4,134
18	South Africa	3,464
19	Saudi Arabia	2,206

# G7 ECONOMIES RANKING

- 1 ITALY
- 2 Germany
- 3 Japan
- 4 United Kingdom
- 5 France
- **6** United States\*
- Canada

# OTHER G20 ECONOMIES RANKING

- 1 China
- 2 India
- Brazil
- Republic of Korea
- Mexico
- 6 Turkey
- Australia
- 8 Argentina
- 9 Indonesia
- 10 Russian Federation
- 11 South Africa
- Saudi Arabia

Source: Edison Foundation/CRANEC-Catholic University calculations based on ISO Survey of Management System Standard Certifications 2019

<sup>\*</sup> In the United States exist also local bodies for management certification

#### A LEADER IN ISO 14001: CERTIFICATES/GDP

#### ISO 14001 (environment) quality certificates/bn PPP\$ GDP (Global Innovation Index 2020)

G20 economies ranking	Countries	Score value (0-100)
1	ITALY	50.3
2	China	43.1
3	United Kingdom	33.4
4	<ul><li>Japan</li></ul>	32.8
5	Republic of Korea	20.5
6	France	16.2
7	<b>***</b> Australia	16.0
8	<b>G</b> ermany	14.9
9	Argentina	11.9
10	C· Turkey	8.6
11	South Africa	8.4
12	◆ Brazil	6.6
13	India	5.4
14	■ Mexico	4.5
15	Indonesia	4.2
16	<b>■ ● ■</b> Canada	3.5
17	Russian Federation	1.5
18	Saudi Arabia	1.3
18	United States	1.3

**G7 ECONOMIES OTHER G20 ECONOMIES RANKING RANKING** 1 ITALY China 2 United Kingdom Republic of Korea Australia 3 Japan France **Argentina** Germany Turkey **South Africa** Canada **United States** Brazil India Mexico 10 Indonesia **Russian Federation** 12 Saudi Arabia

Source: Edison Foundation/CRANEC-Catholic University calculations based on Global Innovation Index 2020

#### A LEADER IN ISO 14001: NUMBER OF CERTIFICATES

#### ISO 14001 (environment): number of quality certificates (2019)

G20 economies ranking	Countries	Number of ISO 14001 quality certificates
1	** China	134,926
2	<ul><li>Japan</li></ul>	18,026
3	ITALY	17,386
4	United Kingdom	11,420
5	India	8,486
6	Germany	8,465
7	France	6,402
8	Republic of Korea	5,698
9	United States*	3,671
10	<b>♦</b> Brazil	2,969
11	C Turkey	2,360
12	Australia	2,298
13	Indonesia	2,125
14	<b>■</b> Mexico	1,748
15	Argentina	1,581
16	South Africa	942
17	Russian Federation	859
18	Canada	844
19	Saudi Arabia	501

# G7 ECONOMIES RANKING

- Japan
- 2 ITALY
- United Kingdom
- 4 Germany
- 5 France
- **6** United States\*
- Canada

# OTHER G20 ECONOMIES RANKING

- 1 China
- 2 India
- Republic of Korea
- 4 Brazil
- 5 Turkey
- 6 Australia
- 7 Indonesia
- 8 Mexico
- 9 Argentina
- 10 South Africa
- Russian Federation
- Saudi Arabia

Source: Edison Foundation/CRANEC-Catholic University calculations based on ISO Survey of Management System Standard Certifications 2019

<sup>\*</sup> In the United States exist also local bodies for management certification





# SINCE 1993 ITALY'S DEBT/GDP RATIO HAS GROWN SOLELY BECAUSE OF INTEREST PAYMENTS: THE CASE OF THE LAST 10 YEARS

#### **Cumulated general government primary balance (2010-2019)**

G20 economies ranking	Countries	% of GDP
1	Germany	14.9
2	ITALY	12.7
3	Republic of Korea	8.3
4	■ Mexico	-0.9
5	<b>S</b> Brazil	-1.6
6	C• Turkey	-3.5
7	Russian Federation	-4.0
8	Indonesia	-5.5
9	Canada	-8.6
10	South Africa	-14.2
11	China	-17.7
12	France	-20.8
13	Australia	-23.7
14	Argentina	-26.0
15	India	-28.4
16	Saudi Arabia	-31.1
17	United Kingdom	-31.9
18	United States	-41.4
19	<ul><li>Japan</li></ul>	-50.2

**G7 ECONOMIES OTHER G20 ECONOMIES RANKING RANKING** Republic of Korea 1 Germany 2 ITALY Mexico Canada Brazil France Turkey **United Kingdom Russian Federation United States** Indonesia South Africa Japan China Australia Argentina India 12 Saudi Arabia

Source: Edison Foundation/CRANEC-Catholic University calculations based on IMF statistics

#### **Total private debt (2019)**

G20 economies ranking	Countries	% of GDP
1	Argentina	19.8
2	Indonesia	39.7
3	■ Mexico	41.5
4	India	56.3
5	Saudi Arabia	58.9
6	South Africa	73.2
7	<b>S</b> Brazil	74.4
8	<b>○</b> Turkey	80.0
9	Russian Federation	95.7
10	ITALY	109.4
11	Germany	113.4
12	United States	150.2
13	United Kingdom	154.7
14	<ul><li>Japan</li></ul>	164.0
15	Australia	192.4
16	Republic of Korea	197.0
17	China	204.7
18	<b>■</b> France	211.8
19	<b>I*</b> Canada	216.4

**G7 ECONOMIES OTHER G20 ECONOMIES RANKING RANKING** 1 ITALY Argentina 2 Germany Indonesia 3 United States Mexico **United Kingdom** India Saudi Arabia 5 Japan France South Africa Canada Brazil Turkey **Russian Federation** 10 Australia Republic of Korea

12 China

Source: Edison Foundation/CRANEC-Catholic University calculations based on Bank for International Settlements statistics

## **Table 24.1**

#### THE LOWEST HOUSEHOLD DEBT OF G7 ECONOMIES

#### Private debt: households (2019)

G20 economies ranking	Countries	% of GDP
1	Argentina	5.4
2	Saudi Arabia	11.9
3	India	12.2
4	C• Turkey	14.6
5	■ Mexico	16.2
6	Indonesia	17.0
7	Russian Federation	19.1
8	<b>⊗</b> Brazil	30.5
9	South Africa	34.3
10	ITALY	41.2
11	Germany	54.3
12	China	55.2
13	<ul><li>Japan</li></ul>	61.1
14	<b>■</b> France	61.7
15	United States	74.5
16	United Kingdom	84.0
17	Republic of Korea	95.2
18	<b>■</b> Canada	101.2
19	Australia	119.5

# 1 ITALY 2 Germany 3 Japan 4 France 5 United States 6 United Kingdom 7 Canada

# OTHER G20 ECONOMIES RANKING 1 Argentina 2 Saudi Arabia 3 India 4 Turkey 5 Mexico 6 Indonesia 7 Russian Federation 8 Brazil 9 South Africa 10 China 11 Republic of Korea

12 Australia

Source: Edison Foundation/CRANEC-Catholic University calculations based on Bank for International Settlements statistics

#### Private debt: non-financial corporations (2019)

G20 economies ranking	Countries	% of GDP
1	Argentina	14.4
2	Indonesia	22.7
3	<b>■</b> Mexico	25.3
4	South Africa	38.8
5	<b>⊚</b> Brazil	43.9
6	India	44.2
7	Saudi Arabia	47.0
8	Germany	59.1
9	<b>○</b> Turkey	65.4
10	ITALY	68.3
11	United Kingdom	70.7
12	Australia	72.9
13	United States	75.7
14	Russian Federation	76.7
15	Republic of Korea	101.8
16	<ul><li>Japan</li></ul>	103.0
17	Canada	115.2
18	China	149.4
19	France	150.1

**G7 ECONOMIES OTHER G20 ECONOMIES RANKING RANKING** 1 Germany Argentina 2 ITALY Indonesia 3 United Kingdom Mexico **United States** South Africa Brazil 5 Japan Canada India France Saudi Arabia Turkey Australia **Russian Federation** Republic of Korea 12 China

Source: Edison Foundation/CRANEC-Catholic University calculations based on Bank for International Settlements statistics

#### Ratio of household net wealth\* to GDP (2019)

G20 economies ranking	Countries	Ratio of household net wealth to GDP
1	ITALY	5.6
2	*** Australia	5.1
2	<b>H</b> United Kingdom	5.1
4	United States	5.0
4	France	5.0
6	<b>I∳</b> Canada	4.9
7	Japan	4.8
8	China	4.5
9	Republic of Korea	4.4
10	India	4.2
11	Germany	3.7
12	■ Mexico	2.2
13	South Africa	2.1
14	Saudi Arabia	2.0
15	Russian Federation	1.9
16	<b>♦</b> Brazil	1.8
16		1.8
18	Indonesia	1.7
19	Argentina	0.6

# 1 ITALY 2 United Kingdom 3 United States 5 Canada

Japan

Germany

# OTHER G20 ECONOMIES RANKING 1 Australia 2 China 3 Republic of Korea 4 India 5 Mexico

South Africa

Saudi Arabia

**Russian Federation** 

- 9 Turkey
- Indonesia
- 12 Argentina

<sup>\*</sup> Data refer to the sum of net financial wealth and non-financial wealth Source: Edison Foundation/CRANEC-Catholic University calculations based on Credit Suisse statistics

#### Households: median net wealth\* per adult (2019)

G20 economies ranking	Countries	Median net wealth per adult (USD)
1	<b>₹</b> Australia	181,361
2	Japan	110,408
3	<b>I∳</b> Canada	107,004
4	France	101,942
5	United Kingdom	97,452
6	ITALY	91,889
7	Republic of Korea	72,198
8	United States	65,904
9	Germany	35,313
10	China	20,942
11	Saudi Arabia	16,599
12	Mexico	9,944
13		6,568
14	South Africa	6,476
15	<b>♦</b> Brazil	5,031
16	Russian Federation	3,683
17	Argentina	3,164
18	India	3,042
19	Indonesia	1,977

# G7 ECONOMIES RANKING

- 1 Japan
- Canada
- 3 France
- 4 United Kingdom
- 5 ITALY
- **6** United States
- Germany

- 1 Australia
- Republic of Korea
- 3 China
- Saudi Arabia
- Mexico
- **6** Turkey
- South Africa
- 8 Brazil
- 9 Russian Federation
- 4 Argentina
- 1 India
- 12 Indonesia

<sup>\*</sup> Data refer to the sum of net financial wealth and non-financial wealth Source: Edison Foundation/CRANEC-Catholic University calculations based on Credit Suisse statistics





## THE 3 F's OF MADE IN ITALY

The 3 F's (Fashion, Furniture, Food & Wine) of Made in Italy (2019)

HS Code	Main products	Export (USD billion)	Trade balance (USD billion)
Total	FASHION, FURNITURE, FOOD & WINE	102.9	56.4
94	Furniture; bedding, mattresses, mattress supports, cushions and similar stuffed furnishings;	13.8	9.8
62	Articles of apparel and clothing accessories, not knitted or crocheted	13.8	5.3
64	Footwear, gaiters and the like; parts of such articles	12.3	5.3
42	Articles of leather; saddlery and harness; travel goods, handbags and similar containers;	12.3	8.2
22	Beverages, spirits and vinegar	10.9	8.7
61	Articles of apparel and clothing accessories, knitted or crocheted	10.0	1.8
19	Preparations of cereals, flour, starch or milk; pastrycooks' products	5.9	4.3
69	Ceramic products	5.3	4.2
20	Preparations of vegetables, fruit, nuts or other parts of plants	3.9	2.5
41	Raw hides and skins (other than furskins) and leather	3.8	1.4
68	Articles of stone, plaster, cement, asbestos, mica or similar materials	3.0	1.7
21	Miscellaneous edible preparations	2.9	1.6
70	Glass and glassware	2.7	0.6
18	Cocoa and cocoa preparations	2.2	0.9

## THE 3 M's OF MADE IN TIALY

### The 3 M's (Machinery, Metal products and Medicaments) of Made in Italy (2019)

HS Code Main products		Export Trade (USD billion) balance (USD billion)	
MACHINERY, METAL PRODUCTS AND MEDICAMENTS	156.7	74	4.6
Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	101.1	5.	4.7
Pharmaceutical products	33.6		6.4
Articles of iron or steel	18.4	1	1.7
Miscellaneous articles of base metal	3.6	1	1.8
	MACHINERY, METAL PRODUCTS AND MEDICAMENTS  Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof  Pharmaceutical products  Articles of iron or steel	MACHINERY, METAL PRODUCTS AND MEDICAMENTS  Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof  Pharmaceutical products  Articles of iron or steel  (USD billion)  156.7  101.1  Pharmaceutical products  13.6	MACHINERY, METAL PRODUCTS AND MEDICAMENTS  Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof  Pharmaceutical products  Articles of iron or steel  (USD billion)  balan (USD billion)  balan (USD billion)  5  7  7  7  And Articles of iron or steel

### Export of handbags with outer surface of leather\* (2019)

World ranking	Countries	Export (USD million)
1	■ ITALY	5,488.6
2	France	3,462.6
3	Hong Kong	1,963.1
4	China	1,471.2
5	<b>Netherlands</b>	445.9

<sup>\*</sup> HS code 420221

### Export of sunglasses\*\* (2019)

World ranking	Countries	Export (USD million)
1	<b>■</b> ITALY	2,764.1
2	** China	1,537.0
3	Hong Kong	777.5
4	United States	398.2
5	Germany	250.5

<sup>\*\*</sup> HS code 900410

Source: Edison Foundation/CRANEC-Catholic University calculations based on UN Comtrade and ITC statistics

# Export of footwear with outer soles and upper of leather, excluding covering the ankle\* (2019)

World ranking	Countries	Export (USD million)
1	ITALY	2,068.4
2	France	555.9
3	Hong Kong	348.0
4	Spain	273.4
5	Portugal	244.9

<sup>\*</sup> HS code 640359

# Export of footwear with outer soles and upper of leather, covering the ankle\*\* (2019)

World ranking	Countries	Export (USD million)
1	<b>■</b> ITALY	633.1
2	India	302.4
3	France	218.5
4	<b>■</b> Mexico	202.8
5	Portugal	146.1

<sup>\*\*</sup> HS code 640351

# Export of machine tools for working ceramics, stone, concrete\* (2019)

World ranking	Countries	Export (USD million)
1	ITALY	862.6
2	China	515.0
3	Germany	238.3
4	Japan	221.5
5	Republic of Korea	157.3

<sup>\*</sup> HS code 8464

### Net trade of motor yachts\*\* (2019)

World ranking	Countries	Trade balance (USD million)
1	<b>■</b> ITALY	2,171.0
2	United Kingdom	1,588.4
3	Netherlands	1,125.7
4	Germany	721.0
5	<b>■</b> Mexico	410.5

<sup>\*\*</sup> HS code 890392

Source: Edison Foundation/CRANEC-Catholic University calculation based on UN Comtrade and ITC statistics

#### **Production of wine (2018)**

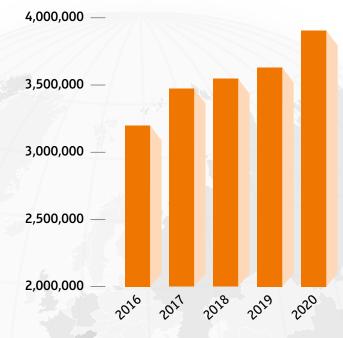
World ranking	Countries	Production (million hl)
1	<b>■</b> ITALY	54.8
2	France	49.2
3	Spain	44.9
4	United States	24.8
5	Argentina	14.5

### Export of pasta\* (2019)

	Export (USD million)
ITALY	2,958.2
*** China	929.9
Republic of Korea	612.1
Turkey	607.1
Thailand	547.4
	China Republic of Korea Turkey

<sup>\*</sup> HS code 1902

## Production of Parmigiano Reggiano (2016-2020) (number of wheels)



Source: Consorzio per la Tutela del Parmigiano Reggiano

#### A new high for the Parmigiano Reggiano production

Parmigiano Reggiano is produced exclusively in the provinces of Parma, Reggio Emilia, Modena, Bologna to the left of the Reno river, and Mantova to the right of the Po river: this is the area hosting the farms where the cattle are fed on locally grown forage. The feeding of cattle complies with the norms of a strict specification that bans the use of silage, fermented feeds and animal flour.

# ITALY IS ONE OF THE FAVOURITE EUROPEAN DESTINATIONS OF G20 TOURISTS

# Nights spent in EU-27 by tourists coming from G20 countries (2019) (million nights; excluding the country of origin)

Country of origin*
Germany
United States
China
Australia
Canada
Japan
Republic of Korea
Turkey
South Africa
France
Brazil
Russian Federation
United Kingdom
Italy

First destination in EU-27			
Country of	Total	of which:	
destination	nights**	in hotels	
ITALY	58.7	31.5	
ITALY	16.3	12.3	
ITALY	5.3	4.6	
ITALY	2.9	1.9	
ITALY	2.7	1.9	
ITALY	2.5	2.3	
ITALY	1.9	1.6	
ITALY	1.0	0.8	
ITALY	0.3	0.2	
Spain	26.4	18.1	
Portugal	3.0	2.5	
Greece	6.6	5.5	
Spain	80.0	56.3	
Spain	12.6	10.1	

Second destination in EU-27				
Country of destination	Total nights**	of which: in hotels		
Spain	52.5	41.9		
France	10.4	9.7		
France	3.5	3.0		
Greece	1.1	0.8		
Spain	1.7	1.5		
France	1.8	1.6		
Spain	1.5	1.3		
Germany	0.8	0.7		
Spain	0.2	0.2		
ITALY	13.8	9.5		
ITALY	2.8	2.1		
Spain	5.9	5.0		
Greece	20.8	15.9		
France	7.1	5.1		

<sup>\*</sup> Data for Mexico, Argentina, India, Indonesia and Saudi Arabia not available

<sup>\*\*</sup> Hotels; holiday and other short stay accomodation; camping grounds; recreational vehicles parks and trailer parks Source: Edison Foundation/CRANEC-Catholic University calculations based on Eurostat statistics

# ITALY IS ONE OF THE FAVOURITE EUROPEAN DESTINATIONS OF G20 TOURISTS

### Nights spent in EU-27 by tourists coming from G20 countries (2019)

(million nights; excluding the country of origin)

Country of origin*
Germany
United States
China
Australia
Canada
Japan
Republic of Korea
Turkey
South Africa
France
Brazil
Russian Federation
United Kingdom
Italy

Third destination in EU-27				
Country of destination	Total nights**	of which: in hotels		
Austria	44.8	33.4		
Spain	8.9	8.0		
Spain	2.9	2.6		
France	1.0	1.0		
France	1.3	1.2		
Spain	1.5	1.3		
France	0.7	0.7		
Greece	0.7	0.5		
Germany	0.2	0.2		
Greece	7.2	6.0		
Spain	1.9	1.7		
ITALY	5.8	4.4		
France	18.3	10.0		
Greece	5.7	3.7		
		100		

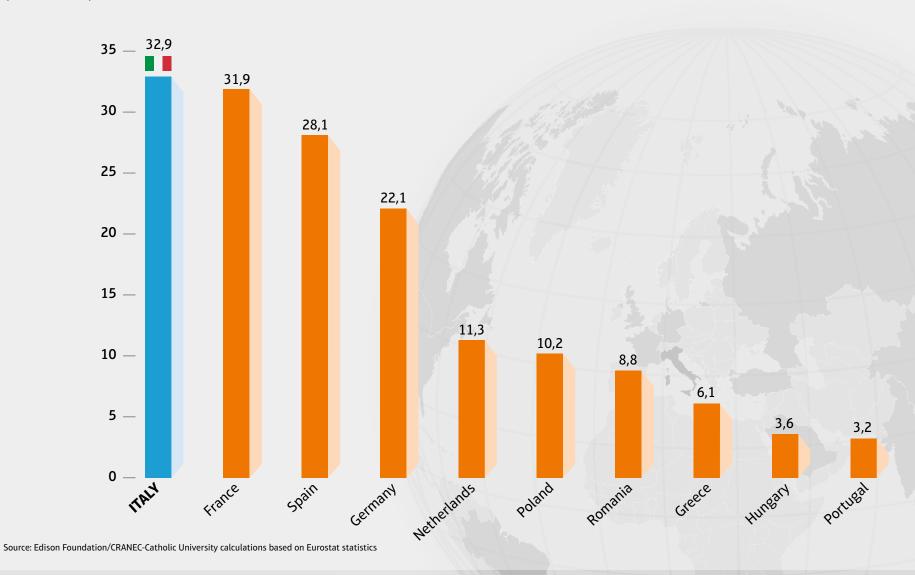
Fourth destination in EU-27				
Country of destination	Total nights**	of which: in hotels		
Netherlands	21.6	6.3		
Germany	7.0	6.5		
Germany	2.9	2.8		
Spain	1.0	0.9		
Portugal	1.0	0.8		
Germany	1.2	1.1		
Germany	0.7	0.6		
Spain	0.6	0.5		
France	0.1	0.1		
Portugal	5.2	3.8		
France	1.2	1.2		
Cyprus	3.9	3.9		
ITALY	13.7	10.0		
Croatia	5.1	1.2		

<sup>\*</sup> Data for Mexico, Argentina, India, Indonesia and Saudi Arabia not available

<sup>\*\*</sup> Hotels; holiday and other short stay accomodation; camping grounds; recreational vehicles parks and trailer parks Source: Edison Foundation/CRANEC-Catholic University calculations based on Eurostat statistics

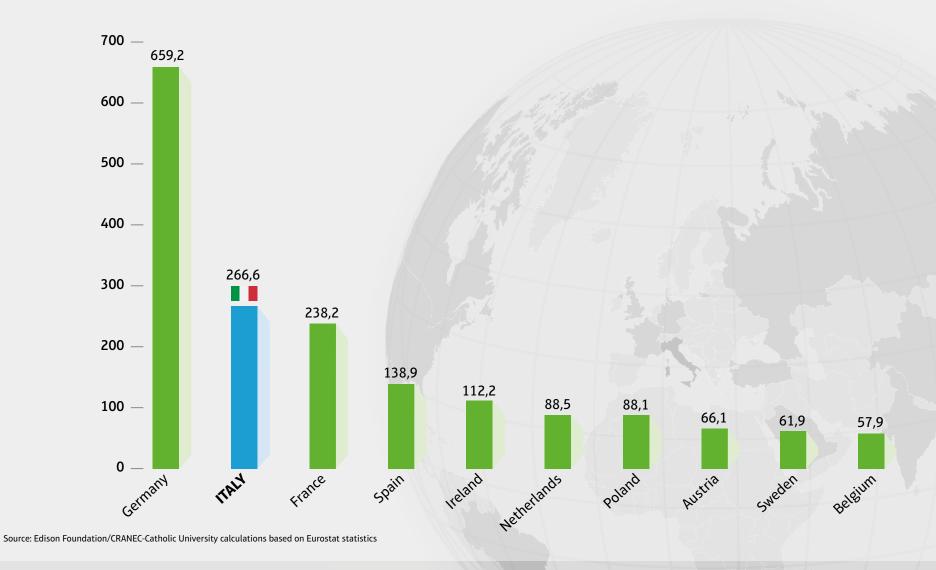
# ITALY HAS THE LARGEST AGRICULTURE IN EUROPE IN TERMS OF VALUE ADDED

## Agriculture value added: top 10 EU-27 countries (2019) (billion EUR)



# ITALY HAS THE SECOND LARGEST MANUFACTURING SECTOR IN EUROPE IN TERMS OF VALUE ADDED

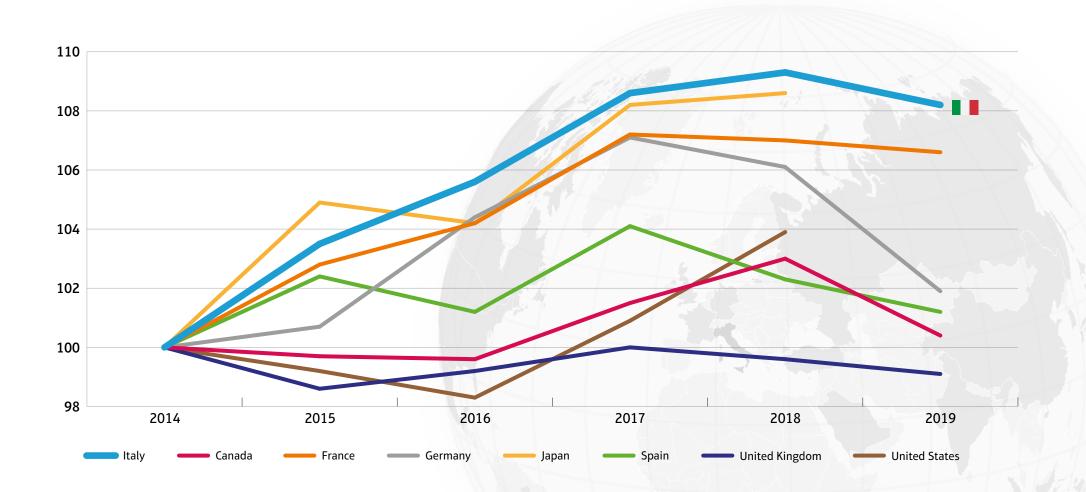




# UNPRECEDENTED GROWTH OF MANUFACTURING PRODUCTIVITY

### Manufacturing productivity: G7 countries and Spain (2014-2019)

(gross value added per person employed, constant prices, 2014=100)



#### ECO – AUDIT

#### **Environmental Benefits Statement**

The Edison Foundation is committed to preserving endangered forests and natural resources. *G20 and the Italian Economy* is printed on a completely biodegradable and recyclable natural paper made with ECF pulp from FSC®-certified forests and other controlled materials.



#### © Fondazione Edison

Foro Buonaparte, 31
20121 Milano (Italia)
Tel. +39 02.6222.7455
info@fondazioneedison.it

https://twitter.com/fond\_edison www.fondazioneedison.it



CRANEC

Centro di ricerche in Analisi economica e sviluppo economico internazionale

