G20 AND THE ITALIAN ECONOMY Key indicators to be kept in mind





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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.

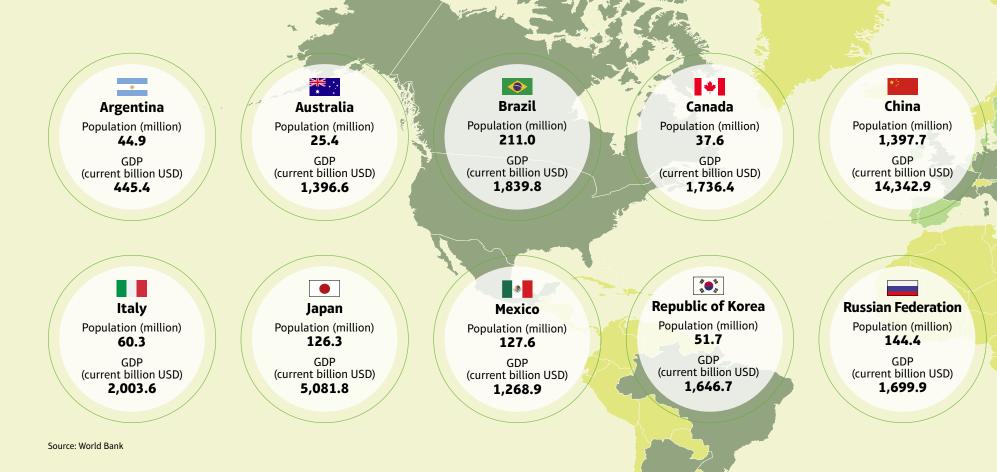
Together, the G20 members represent around 90% of global GDP, 80% of global trade and two-thirds of the world's population, as well as some 60% of all agricultural land and about 80% of world trade in agricultural products.

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

GROWTH

THE G20 MEMBERS (2019)



SUSTAINABILITY

INNOVATION

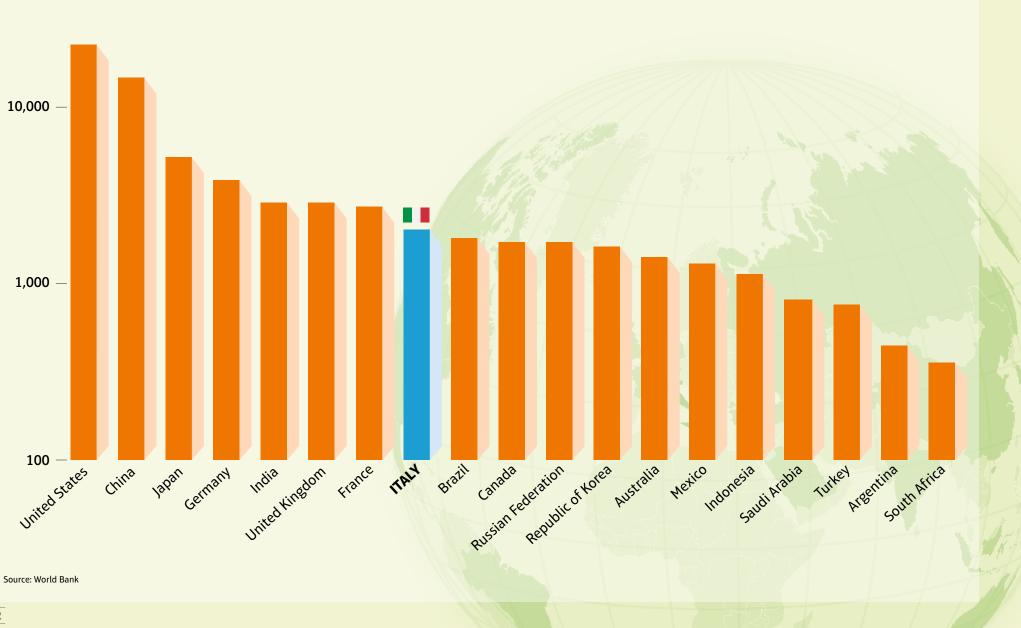


G20 AND THE ITALIAN ECONOMY

Key indicators to be kept in mind

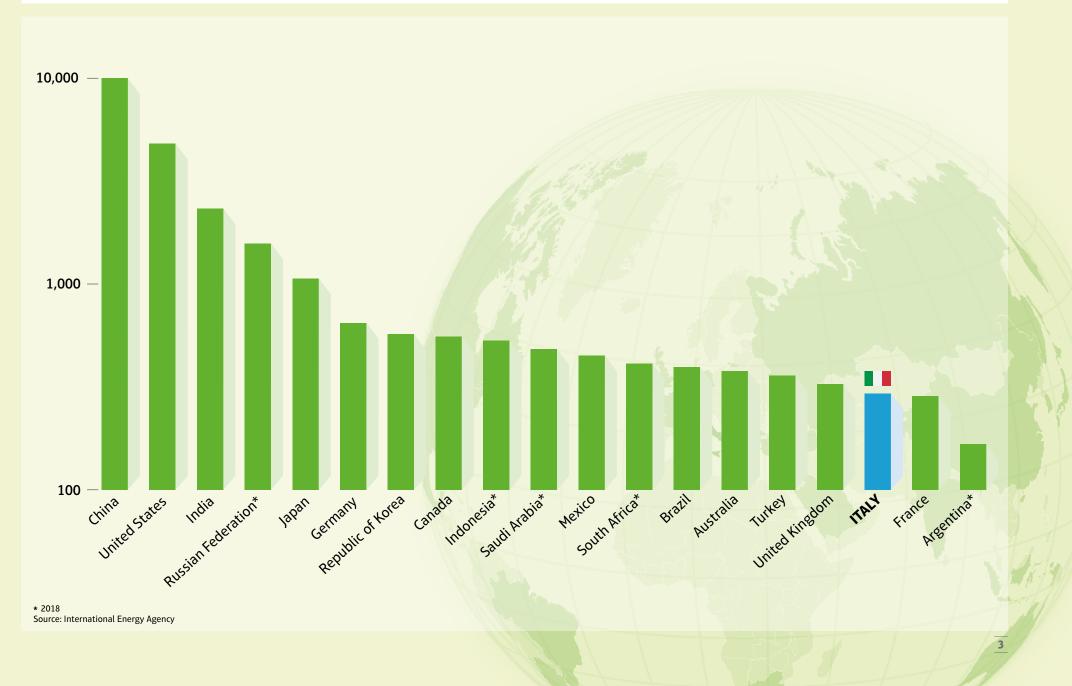
GROSS DOMESTIC PRODUCT (2019)

(USD billion, log scale)



TOTAL CO₂ EMISSIONS (2019)

(million tonnes, log scale)



VALUE ADDED OF MANUFACTURING INDUSTRY (2019)

(USD billion, log scale)



CO₂ EMISSIONS OF INDUSTRY (2018)

(million tonnes, log scale)

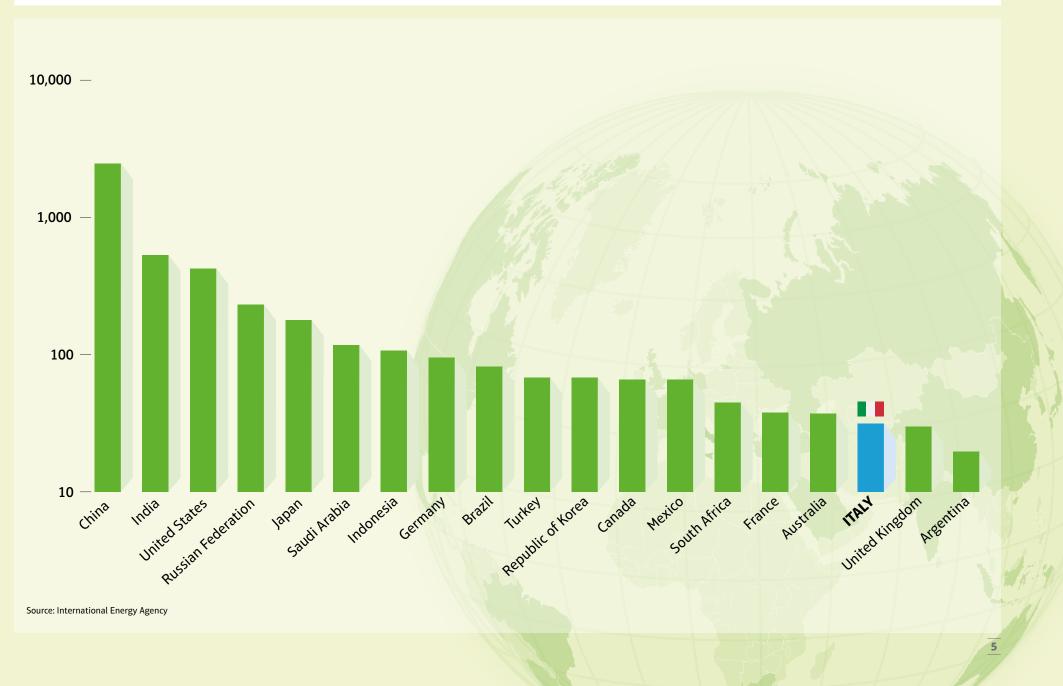


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G20 Summary

- 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 CO₂ 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

SECTION 1 Economic competitiveness and international trade

Key indicators to be kept in mind

Manufactured exports per capita (2018)

G20 economies ranking	Countries	Value per capita (USD)
1	Germany	16,906
2	Republic of Korea	11,505
3		8,035
4	France	7,784
5	eanada	7,112
6	🗮 United Kingdom	5,546
7	 Japan 	5,250
8	찬 🛉 Australia	4,016
9	United States	3,114
10	Mexico	2,983
11	C• Turkey	1,802
12	China China	1,685
13	📟 Saudi Arabia	1,490
14	Russian Federation	1,352
15	≽ South Africa	1,069
16	📀 Brazil	652
17	Indonesia	464
18	Argentina	438
19	🚬 India	208



Total merchandise trade balance (2019)

G20 economies ranking	Countries	Value (USD billion)
1	China China	429.6
2	Germany	250.7
3	Russian Federation	179.0
4	Saudi Arabia	107.5
5		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	eanada	-6.6
14	 Japan 	-15.1
15	C• Turkey	-29.6
16	France	-82.8
17	🚬 India	-155.6
18	💥 United Kingdom	-224.2
19	United States	-923.2



ITALY IS FIFTH IN THE WORLD FOR TRADE BALANCE EXCLUDING MINERAL FUELS

Total merchandise trade balance, excluding mineral fuels (2019)

G20 economies ranking	Countries	Value (USD billion)
1	China China	726.2
2	ermany Germany	325.6
3	• Japan	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	-47.5
16	Saudi Arabia*	-68.3
17	eanada	-71.8
18	💥 United Kingdom	-208.8
19	United States	-912.8



* 2018

Table 3.1

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

G20 economies ranking	Countries	Value (USD billion)
1	China China	332.7
2		56.4
3	C• Turkey	23.5
4	💶 India	21.8
5	Mexico	14.2
6	Indonesia	12.4
7	📀 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	et anada	-23.1
17	💥 United Kingdom	-40.5
18	• Japan	-52.0
19	United States	-218.7



* Processed food, wine and other beverages

Table 3.2

ITALY IS A LEADER IN 3 M's (MACHINERY, METAL PRODUCTS AND MEDICAMENTS)

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

G20 economies ranking	Countries	Value (USD billion)
1	China China	279.7
2	Germany	142.4
3	ITALY	74.6
4	• Japan	47.8
5	🔹 Republic of Korea	19.2
6	Mexico	-2.7
7	C• 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		-24.7
15	📟 Saudi Arabia	-25.0
16	찬 🖓 Australia	-35.0
17	eanada	-46.2
18	Russian Federation	-51.7
19	United States	-278.3



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 China	6.3%
2	💼 India	6.2%
3		3.8%
4	C Turkey	3.3%
5	🔹 Republic of Korea	2.5%
6	United States	1.8%
7	Mexico	1.4%
8		1.3%
8	France	1.3%
8	ermany	1.3%
11	 Japan 	1.2%
11	🗮 United Kingdom	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	📀 Brazil	-1.9%



Table 4.1

Manufacturing value added growth (2015-2018)

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		2.7%
8	Japan	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	💥 United Kingdom	0.7%
16	≽ South Africa	0.3%
17	찬 Australia	-0.6%
18	Argentina	-1.8%
19	📀 Brazil	-2.5%



* Industry including construction

Table 4.1.1

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	C Turkey	5.0%
4	Indonesia	4.3%
5	NORTHEASTERN ITALY	3.4%
6	📟 Saudi Arabia	3.3%
7	Republic of Korea	2.7%
8	 Japan 	2.5%
9	ermany 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	🗮 United Kingdom	0.7%
16	≽ South Africa	0.3%
17	🗮 🖓 Australia	-0.6%
18	Argentina	-1.8%
19	📀 Brazil	-2.5%



* Industry including construction

Table 4.1.2

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	C Turkey	5.0%
4	Indonesia	4.3%
5	苎 Saudi Arabia	3.3%
6	Sepublic of Korea	2.7%
6	SOUTHERN ITALY	2.7%
8	🔹 Japan	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	💥 United Kingdom	0.7%
16	≽ South Africa	0.3%
17	찬 Australia	-0.6%
18	Argentina	-1.8%
19	📀 Brazil	-2.5%



* Industry including construction

Table 4.2

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	C• Turkey	4.8%
4	Republic of Korea	4.8%
6	United States	3.5%
7		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	eanada	-1.3%
18	Saudi Arabia	-3.2%
19	📀 Brazil	-6.5%



* Gross capital formation

Table 4.2.1

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		5.4%
5	• Turkey	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	 Japan 	1.2%
13	Argentina	1.0%
14	≽ South Africa	-0.4%
15	찬 Australia	-0.7%
16	Russian Federation	-1.3%
16	📲 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	Mexico	1.3%
12	 Japan 	1.2%
13	Argentina	1.0%
14	≽ South Africa	-0.4%
15	찬 Australia	-0.7%
16	Russian Federation	-1.3%
16	¥ Canada	-1.3%
18	Saudi Arabia	-3.2%
19	📀 Brazil	-6.5%

* Gross capital formation

Table 4.2.2

INVESTMENT BOOSTED ALSO IN THE ITALIAN SOUTHERN REGIONS OF CAMPANIA AND PUGLIA

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		4.2%
7	United States	3.5%
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	찬 🔆 Australia	-0.7%
16	Russian Federation	-1.3%
16	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		5.6%
4		4.8%
4	Republic of Korea	4.8%
6	United States	3.5%
7		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	찬 Australia	-0.7%
16	Russian Federation	-1.3%
16	📲 Canada	-1.3%
18	Saudi Arabia	-3.2%
19	📀 Brazil	-6.5%

* Gross capital formation

SECTION 2 Environment, human development, health, diet, quality of life

Key indicators to be kept in mind

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	Japan	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	eanada	0.721
12	United States	0.718
13	📀 Brazil	0.710
14	Saudi Arabia	0.707
15	찬 🔆 Australia	0.696
16	Indonesia	0.691
17	China China	0.671
18	≽ South Africa	0.648
19	💼 India	0.626



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

Total CO₂ 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	C• Turkey	371.4
6	찬 🛉 Australia	388.7
7	📀 Brazil	406.5
8	≽ South Africa*	428.0
9	Mexico	455.1
10	Saudi Arabia*	491.7
11	Indonesia*	542.9
12	eanada	571.8
13	Republic of Korea	586.2
14	Germany	659.1
15	Japan	1,066.2
16	Russian Federation*	1,587.0
17	🚬 India	2,309.1
18	United States	4,766.4
19	China China	9,089.2



* 2018

CO₂ emissions of industry (2018)

G20 economies ranking	Countries	Million tonnes
1	Argentina	20.7
2	💥 United Kingdom	32.0
3		32.3
4	🗮 Australia	39.3
5	France	40.1
6	≽ South Africa	46.8
7	Mexico	66.7
8	Canada	69.2
9	Republic of Korea	72.0
10	C• Turkey	72.1
11	📀 Brazil	87.0
12	Germany	99.3
13	Indonesia	114.4
14	Saudi Arabia	125.1
15	• Japan	191.7
16	Russian Federation	250.6
17	United States	458.8
18	🚬 India	571.4
19	China China	2,667.4



Share of renewable energies in electricity production (2019)

G20 economies ranking	Countries	% share
1	📀 Brazil	82.3
2	eanada	64.9
3	C Turkey	44.2
4	Germany	41.2
5		40.5
6	💥 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	 Japan 	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



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

G20 economies ranking	Countries	% share
1	Germany	28.9
2	💥 United Kingdom	23.9
3		17.3
4	C• Turkey	13.8
5	찬 🛉 Australia	12.1
6	 Japan 	10.6
7	📀 Brazil	10.1
7	Mexico	10.1
9	United States	9.8
10	China China	8.7
11	France	8.5
12	🗾 India	6.9
13		5.6
14	en la 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



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

G20 economies ranking	Countries	Score value (0-100)
1	💥 United Kingdom	48.0
2		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 China	17.1
16	Republic of Korea	16.3
17	eanada	11.7
18	≽ South Africa	11.0
19	Russian Federation	8.0

* 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



Life expectancy at birth (2019)

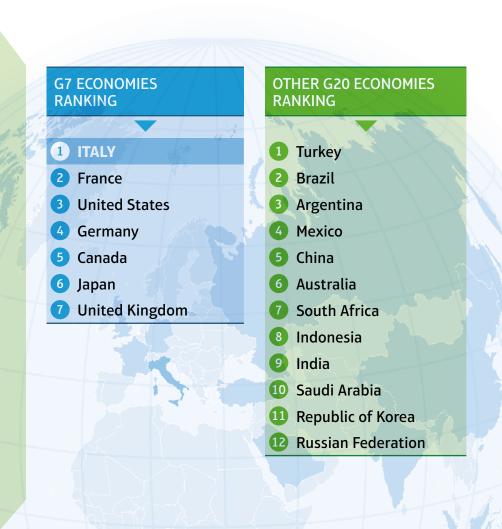
G20 economies ranking	Countries	Years
1	Japan	84.6
2	ITALY	83.5
3	찬 🛉 Australia	83.4
4	Republic of Korea	83.0
5	France	82.7
6	eanada	82.4
7	Germany	81.3
7	💥 United Kingdom	81.3
9	United States	78.9
10	C• Turkey	77.7
11	China China	76.9
12	Argentina	76.7
13	📀 Brazil	75.9
14	Mexico	75.1
14	Saudi Arabia	75.1
16	Russian Federation	72.6
17	Indonesia	71.7
18	🗾 India	69.7
19	≽ South Africa	64.1



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

Per capita production of fruit (2018)

G20 economies ranking	Countries	Production (kg/person)
1		297
2	C• Turkey	287
3	📀 Brazil	191
4	Argentina	182
5	Mexico	180
6	China China	167
7	찬 🛉 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	eanada	29
18	• Japan	25
19	Kingdom	11



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

Table 8.1

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

G20 economies ranking	Countries	ARTICHOKES (thousand tonnes)
1	📕 📕 Italy	379
2	SOUTHERN ITALY	353
3	Argentina	112
4	Khina China	93
5	United States	46
6	C Turkey	39
7	France	38
8	Mexico	2

G20 economies ranking	Countries	OLIVES (thousand tonnes)
1	📕 📕 Italy	2,194
2	SOUTHERN ITALY	1,853
3		1,525
4	Argentina	326
5	United States	152
6	찬 Australia	86
7	Mexico	25
8	France	24
9	Kina China	3
9	📀 Brazil	3

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

Table 8.2

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

G20 economies ranking	Countries	APRICOTS (thousand tonnes)
1	C Turkey	847
2	📕 📕 Italy	273
3	SOUTHERN ITALY	149
4	France	135
5	 Japan 	88
6	Russian Federation	70
7	Khina 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	Khina China	14,372
2	📕 📕 Italy	7,900
3	United States	6,233
4	France	5,490
5	C Turkey	4,100
6	SOUTHERN ITALY	3,959
7	📃 India	3,041
8	Argentina	2,520
9	≽ South Africa	1,993
10	찬 Australia	1,554
11	📀 Brazil	1,485
12	Germany	1,125
13	Russian Federation	678
14	Mexico	473
15	• Japan	173
16	Republic of Korea	161
17	Saudi Arabia	118
18	Canada	115

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

* Italy is the world's top producer of wine grape

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

G20 economies ranking	Countries	Organic area (% share in total)
1		15.8
2	🏝 Australia	9.9
3	Germany	7.3
4	France	7.1
5	🗮 United Kingdom	2.7
6	Argentina	2.4
7	eanada	2.3
8	C• Turkey	1.7
9	Republic of Korea	1.5
10	🚬 India	1.1
11	China 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	Mexico	0.2
18	≽ South Africa	0.1
19	Saudi Arabia	0.0



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

Number of UNESCO World Heritage sites (2021)

G20 economies ranking	Countries	Number of sites
1	ITALY	55
1	China China	55
3	Germany	46
4	France	45
5	🚬 India	38
6	Mexico	35
7	💥 United Kingdom	32
8	Russian Federation	29
9	United States	24
10	• Japan	23
11	📀 Brazil	22
12	찬 Australia	20
12	Canada	20
14	C• Turkey	18
15	Republic of Korea	14
16	Argentina	11
17	≽ South Africa	10
18	Indonesia	9
19	Saudi Arabia	5



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 China	65.7
4		64.5
5	C• Turkey	51.2
6	Mexico	45.0
7	Germany	39.6
8	💥 United Kingdom	39.4
9	• Japan	32.2
10	Russian Federation	24.4
11	eanada	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



* 2018

Source: UNWTO, World Tourism Barometer, December 2020

International tourism: nights spent at tourist accomodation establishments (2019)

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



* Data for Brazil, Canada, China, India, Indonesia, Russian Federation and South Africa not available

** Only in hotels *** 2017

Source: Edison Foundation/CRANEC-Catholic University calculations on World Tourism Organization statistics

SECTION 3

Research, technology, innovation, design, quality management systems

Key indicators to be kept in mind

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

G20 economies ranking	Countries	Number of scientific & technical articles/ bn PPP\$ GDP
1	찬 Australia	29.2
2	🗮 United Kingdom	25.2
3	🛃 Canada	22.1
4	Republic of Korea	20.8
5		18.3
6	Germany	16.8
7	France	16.4
8	Khina China	13.8
9	≽ South Africa	11.6
10	United States	10.7
11	📀 Brazil	10.5
12	Japan	9.7
13	🔉 Turkey	9.5
14	苎 Saudi Arabia	7.8
15	Russian Federation	7.3
16	Argentina	7.1
17	📃 India	5.8
18	Mexico	4.8
19		0.7



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

Operational stock of industrial robots: total economy (2019)

G20 economies ranking	Countries	Number of units
1	China China	782,725
2	• Japan	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	Mexico	37,275
9	🚬 India	26,306
10	eanada	25,230
11	💥 United Kingdom	21,678
12	📀 Brazil	15,303
13	C• Turkey	15,033
14	Indonesia	9,147
15	찬 🛉 Australia	6,649
16	Russian Federation	6,185
17	≽ South Africa	5,122
18	Argentina	3,064
19	📟 Saudi Arabia	157



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 China	13,981
3		8,538
4	• Japan	7,565
5	Eermany 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



* United States, Canada, Mexico

** 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 China	1,017
2		388
3	ermany Germany	366
4	📕 🚺 📲 North America***	271
5	• Japan	80
6	France	57
7	C• Turkey	23
8	💥 United Kingdom	12
9	Republic of Korea	9
10	Russian Federation	8
11	🚬 India	4



* Textile, leather, wearing apparel

** Data for Argentina, Australia, Brazil, Indonesia, Saudi Arabia and South Africa not available

*** United States, Canada, Mexico

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

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

G20 economies ranking	Countries**	Number of units
1	China China	1,666
2	ermany	969
3	ITALY	766
4	📕 📲 North America*	431
5	• Japan	336
6	France	223
7	💥 United Kingdom	61
8	Russian Federation	54
9	C• Turkey	44
10	💌 Republic of Korea	35
11	🚬 India	1



* United States, Canada, Mexico

** 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 China	62,330
2	• Japan	43,487
3	ermany	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



* United States, Canada, Mexico

** 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

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		24	24.1	7.4
2	 Japan 	20	4.7	-11.9
3	India	13	14.5	13.4
4	C Turkey	12	0.8	-1.7
5	United States	11	22.9	-56.0
6	🎌 Australia	10	1.9	-3.4
6	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	Kina 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



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

Number of superyachts on order or under construction (2021)

G20 economies ranking	Countries*	Superyachts orders (number)
1		407
2	C Turkey	76
3	🗮 United Kingdom	61
4	United States	29
5	China China	21
6	Germany	18
7	📀 Brazil	13
8	찬 Australia	3
8	France	3
8	≽ South Africa	3
8	eanada	3



* 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		2,587.2
2	Germany	1,914.6
3	Japan	197.6
4	C Turkey	-5.6
5	eanada	-10.5
6	Argentina	-22.3
7	China China	-42.4
8	Republic of Korea	-43.1
9	📟 Saudi Arabia	-61.2
10	💥 United Kingdom	-78.1
11	💼 India	-79.1
12	≽ South Africa	-84.7
13	France	-117.8
14	📀 Brazil	-121.8
15	찬 Australia	-146.4
16	Mexico	-156.0
17	Indonesia	-194.1
18	Russian Federation	-324.3
19	United States	-967.3



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		1,062.4
2	ermany Germany	1,008.2
3	Japan	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 China	-97.6
14	eanada	-108.1
15	Indonesia	-198.8
16	Russian Federation	-205.0
17	🔜 India	-535.0
18	United States	-580.9
19	Mexico	-642.0



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

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		738.9
2	Germany	161.8
3	China China	105.3
4	Japan	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	찬 🛉 Australia	-32.3
14	eanada	-45.4
15	📀 Brazil	-48.8
16	Mexico	-65.2
17	Indonesia	-86.4
18	United States	-94.4
19	Russian Federation	-94.6



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		374.4
2	China China	263.7
3	France	193.6
4	ermany Germany	189.2
5	Japan	132.3
6	Republic of Korea	103.0
7	Argentina 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	eanada	-53.8
15	苎 Saudi Arabia	-54.6
16	🌁 🔆 Australia	-84.6
17	Russian Federation	-147.3
18	🗮 United Kingdom	-147.7
19	United States	-318.7



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

G20 economies ranking	Countries*	Trade balance (USD million)
1		3,860.4
2	China China	2,228.9
3	🚬 India	780.1
4	C Turkey	476.1
5	📀 Brazil	57.0
6	Argentina Argentina	-31.1
7	≽ South Africa	-74.4
8	Russian Federation	-134.9
9	eanada	-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	ermany Germany	-341.7
16	France	-690.4
17	United States	-1,093.8



* Data for Mexico, Saudi Arabia not available

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		100.0
1	China China	100.0
4	C• Turkey	80.2
5	Germany	71.5
6	🗮 United Kingdom	49.5
7	France	32.7
8	Japan	21.8
9	찬 Australia	12.2
10	≽ South Africa	6.4
11	United States	5.8
12	📀 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	eanada	2.2
19	📟 Saudi Arabia	1.0



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

Table 21.1

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 China	31.7
3	Germany	31.3
4	🗮 United Kingdom	26.4
5	Japan	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	C• Turkey	9.2
13	🔜 India	8.0
14	en la 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



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

Table 21.2

ISO 9001: number of quality certificates (2019)

G20 economies ranking	Countries	Number of ISO 9001 quality certificates
1	Khina China	280,386
2		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	C Turkey	7,290
13	찬 Australia	7,184
14	Argentina	6,611
15		6,433
16	¥ Canada	4,557
17	Russian Federation	4,134
18	≽ South Africa	3,464
19	Saudi Arabia	2,206



* In the United States exist also local bodies for management certification

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

Table 22.1

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	• Japan	32.8
5	Republic of Korea	20.5
6	France	16.2
7	🌁 🛉 Australia	16.0
8	Germany	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	eanada	3.5
17	Russian Federation	1.5
18	📟 Saudi Arabia	1.3
18	United States	1.3



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

Table 22.2

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

G20 economies ranking	Countries	Number of ISO 14001 quality certificates
1	Khina China	134,926
2	Japan	18,026
3		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	📀 Brazil	2,969
11	• Turkey	2,360
12	찬 Australia	2,298
13	Indonesia	2,125
14	Mexico	1,748
15	Argentina	1,581
16	≽ South Africa	942
17	Russian Federation	859
18	📲 Canada	844
19	Saudi Arabia	501



* In the United States exist also local bodies for management certification

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

SECTION 4 Public debt, private debt and wealth

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Key indicators to be kept in mind

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	📀 Brazil	-1.6
6	C• Turkey	-3.5
7	Russian Federation	-4.0
8	Indonesia	-5.5
9	eanada	-8.6
10	≽ South Africa	-14.2
11	China China	-17.7
12	France	-20.8
13	찬 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	 Japan 	-50.2



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

A HIGH PUBLIC DEBT/GDP RATIO BUT THE LOWEST PRIVATE DEBT OF G7 ECONOMIES

Total private debt (2019)

G20 economies ranking	Countries	% of GDP
1	Argentina	19.8
2	Indonesia	39.7
3	Mexico	41.5
4	India India	56.3
5	Saudi Arabia	58.9
6	≽ South Africa	73.2
7	📀 Brazil	74.4
8	C• Turkey	80.0
9	Russian Federation	95.7
10		109.4
11	Germany	113.4
12	United States	150.2
13	💥 United Kingdom	154.7
14	 Japan 	164.0
15	🔭 Australia	192.4
16	Republic of Korea	197.0
17	China China	204.7
18	France	211.8
19	📲 Canada	216.4



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

Table 24.1

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	📀 Brazil	30.5
9	≽ South Africa	34.3
10		41.2
11	Germany	54.3
12	China China	55.2
13	Japan	61.1
14	France	61.7
15	United States	74.5
16	💥 United Kingdom	84.0
17	💌 Republic of Korea	95.2
18	eanada	101.2
19	찬 🔆 Australia	119.5



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

Table 24.2

THE SECOND LOWEST DEBT OF NON-FINANCIAL CORPORATIONS OF G7 ECONOMIES

Private debt: non-financial corporations (2019)

G20 economies ranking	Countries	% of GDP
1	Argentina	14.4
2		22.7
3	Mexico	25.3
4	≽ South Africa	38.8
5	📀 Brazil	43.9
6	🗾 India	44.2
7	Saudi Arabia	47.0
8	Germany	59.1
9	C• Turkey	65.4
10		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	• Japan	103.0
17	eanada	115.2
18	China China	149.4
19	France	150.1



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		5.6
2	찬 Australia	5.1
2	🗮 United Kingdom	5.1
4	United States	5.0
4	France	5.0
6	¥ Canada	4.9
7	 Japan 	4.8
8	Khina 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	📀 Brazil	1.8
16	C Turkey	1.8
18	Indonesia	1.7
19	Argentina	0.6



 $\boldsymbol{\ast}$ 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	🏋 🔆 Australia	181,361
2	Japan	110,408
3	📲 Canada	107,004
4	France	101,942
5	💥 United Kingdom	97,452
6		91,889
7	Republic of Korea	72,198
8	United States	65,904
9	Germany	35,313
10	Khina China	20,942
11	Saudi Arabia	16,599
12	Mexico	9,944
13	C Turkey	6,568
14	≽ South Africa	6,476
15	📀 Brazil	5,031
16	Russian Federation	3,683
17	Argentina	3,164
18	🔤 India	3,042
19	Indonesia	1,977



* 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

STATISTICAL APPENDIX

The strength of Made in Italy

4

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

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

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

HS Code	Main products	Export (USD billion)	Trade balance (USD billion)	
Total	MACHINERY, METAL PRODUCTS AND MEDICAMENTS	156.7	74.6	
84	Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof	101.1	54.7	
30	Pharmaceutical products	33.6	6.4	
73	Articles of iron or steel	18.4	11.7	
83	Miscellaneous articles of base metal	3.6	1.8	

Table A.3

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

World ranking	Countries	Export (USD million)
1		5,488.6
2	France	3,462.6
3	Mong Kong	1,963.1
4	* China	1,471.2
5	Netherlands	445.9

* HS code 420221

Export of sunglasses** (2019)

World ranking	Countries	Export (USD million)	
1		2,764.1	
2	* China	1,537.0	
3	Mong Kong	777.5	
4	United States	398.2	
5	Germany	250.5	

** HS code 900410

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



Table A.4

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

World ranking		
1	ITALY	2,068.4
2	France	555.9
3	Hong Kong	348.0
4	Spain	273.4
5	Portugal	244.9

* HS code 640359

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

World ranking	Countries	Export (USD million)
1		633.1
2	India	302.4
3	France	218.5
4	Mexico	202.8
5	Portugal	146.1

** HS code 640351

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



Table A.5

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

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

* HS code 8464

Net trade of motor yachts** (2019)

World ranking	Countries	Trade balance (USD million)	
1		2,171.0	
2	🗮 United Kingdom	1,588.4	
3	Netherlands	1,125.7	
4	Germany	721.0	
5	Mexico	410.5	

** HS code 890392

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



Production of wine (2018)

World Countries ranking		Production (million hl)
1		54.8
2	France	49.2
3	Spain	44.9
4	United States	24.8
5	Argentina	14.5

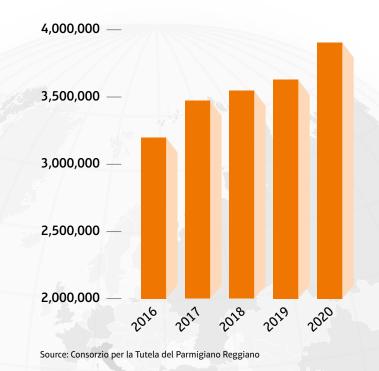
Export of pasta* (2019)

World ranking	Countries	Expo (USD millior	
1		2,958.2	
2	Khina China	929.9	
3	Republic of Korea	612.1	
4	C• Turkey	607.1	
5	Thailand	547.4	

* HS code 1902

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

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



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.

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

(million nights; excluding the country of origin)

Country	First d	estination in EU-2	in EU-27 Second destination in EU-27		Second destination in EU-27		
Country of origin*	Country of destination	Total nights**	of which: in hotels	Country of destination	Total nights**	of which: in hotels	
Germany	ITALY	58.7	31.5	Spain	52.5	41.9	
United States	ITALY	16.3	12.3	France	10.4	9.7	
China	ITALY	5.3	4.6	France	3.5	3.0	
Australia	ITALY	2.9	1.9	Greece	1.1	0.8	
Canada	ITALY	2.7	1.9	Spain	1.7	1.5	
Japan	ITALY	2.5	2.3	France	1.8	1.6	
Republic of Korea	ITALY	1.9	1.6	Spain	1.5	1.3	
Turkey	ITALY	1.0	0.8	Germany	0.8	0.7	
South Africa	ITALY	0.3	0.2	Spain	0.2	0.2	
France	Spain	26.4	18.1	ITALY	13.8	9.5	
Brazil	Portugal	3.0	2.5	ITALY	2.8	2.1	
Russian Federation	Greece	6.6	5.5	Spain	5.9	5.0	
United Kingdom	Spain	80.0	56.3	Greece	20.8	15.9	
Italy	Spain	12.6	10.1	France	7.1	5.1	

* Data for Mexico, Argentina, India, Indonesia and Saudi Arabia not available

** 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

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

(million nights; excluding the country of origin)

Country	Third d	lestination in EU-2	27	Fourth	lestination in EU-	27
Country of origin*	Country of destination	Total nights**	of which: in hotels	Country of destination	Total nights**	of which: in hotels
Germany	Austria	44.8	33.4	Netherlands	21.6	6.3
United States	Spain	8.9	8.0	Germany	7.0	6.5
China	Spain	2.9	2.6	Germany	2.9	2.8
Australia	France	1.0	1.0	Spain	1.0	0.9
Canada	France	1.3	1.2	Portugal	1.0	0.8
Japan	Spain	1.5	1.3	Germany	1.2	1.1
Republic of Korea	France	0.7	0.7	Germany	0.7	0.6
Turkey	Greece	0.7	0.5	Spain	0.6	0.5
South Africa	Germany	0.2	0.2	France	0.1	0.1
France	Greece	7.2	6.0	Portugal	5.2	3.8
Brazil	Spain	1.9	1.7	France	1.2	1.2
Russian Federation	ITALY	5.8	4.4	Cyprus	3.9	3.9
United Kingdom	France	18.3	10.0	ITALY	13.7	10.0
Italy	Greece	5.7	3.7	Croatia	5.1	1.2

* Data for Mexico, Argentina, India, Indonesia and Saudi Arabia not available

** 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

Chart A.1

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

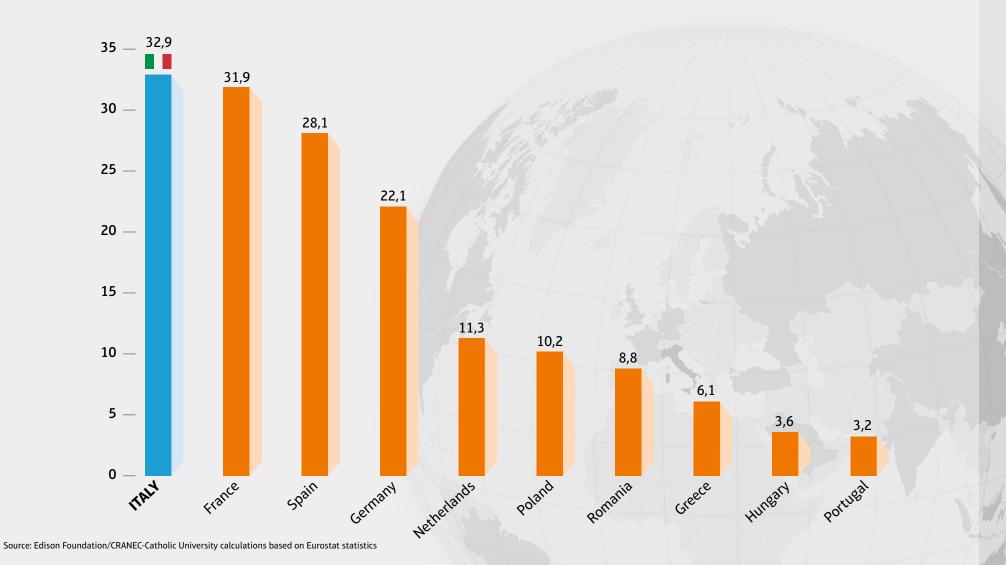


Chart A.2

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

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

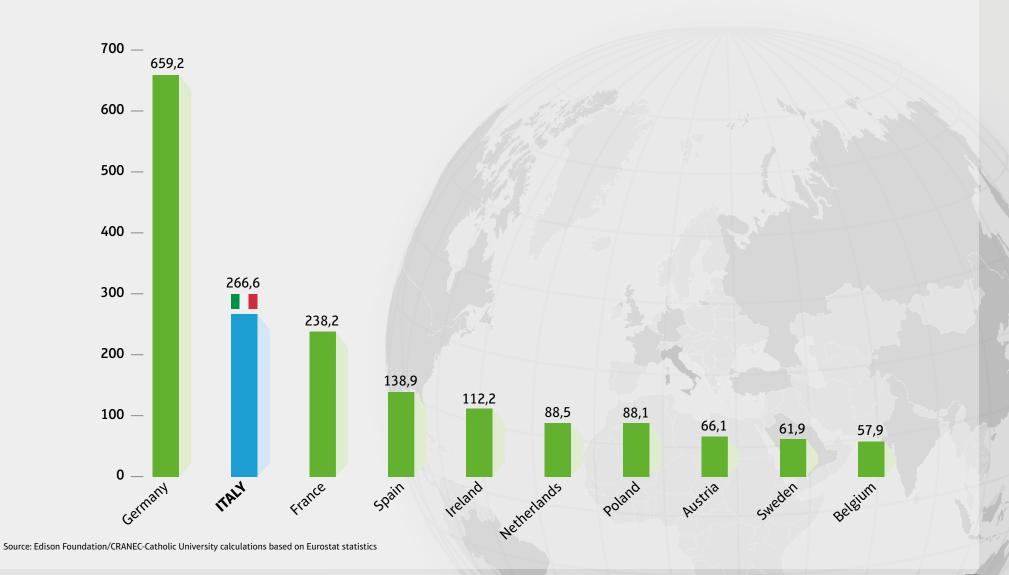
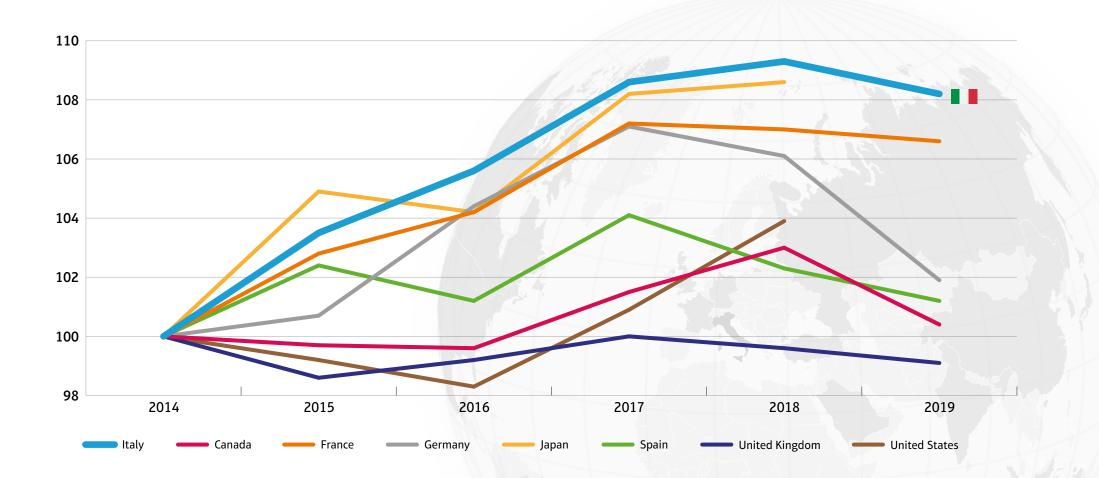


Chart A.3 UNPRECEDENTED GROWTH OF MANUFACTURING PRODUCTIVITY

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

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



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

ECO – AUDIT

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