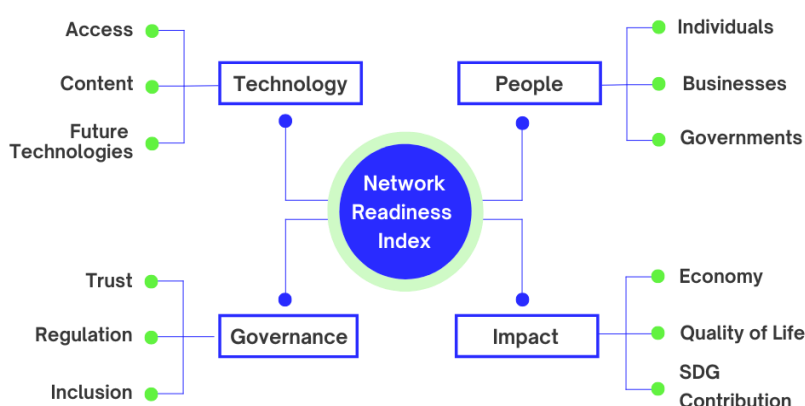


# Network Readiness Index 2022

## France

The Network Readiness Index (NRI) is one of the leading global indices on the application and impact of information and communication technology (ICT) in economies around the world. In its latest version of 2022 the NRI Report maps the network-based readiness landscape of 131 economies based on their performances in four different pillars: Technology, People, Governance, and Impact. Each of these pillars is itself comprised of three sub-pillars (see Figure 1) that have been populated by a total of 58 variables.

**Figure 1: The NRI 2022 model**



### Global NRI position of France

France ranks 16th out of the 131 economies included in the NRI 2022 (Figure 2). Its main strength relates to Impact. The greatest scope for improvement, meanwhile, concerns Governance.

**Figure 2: France global ranking, overall and by pillar**



### Performance at sub-pillar level

When it comes to sub-pillars, the strongest showings of France relate to Access, Governments and Economy, among others (Table 1). More could be done, though, to improve the economy's performances in the Trust, Content and Individuals sub-pillars.

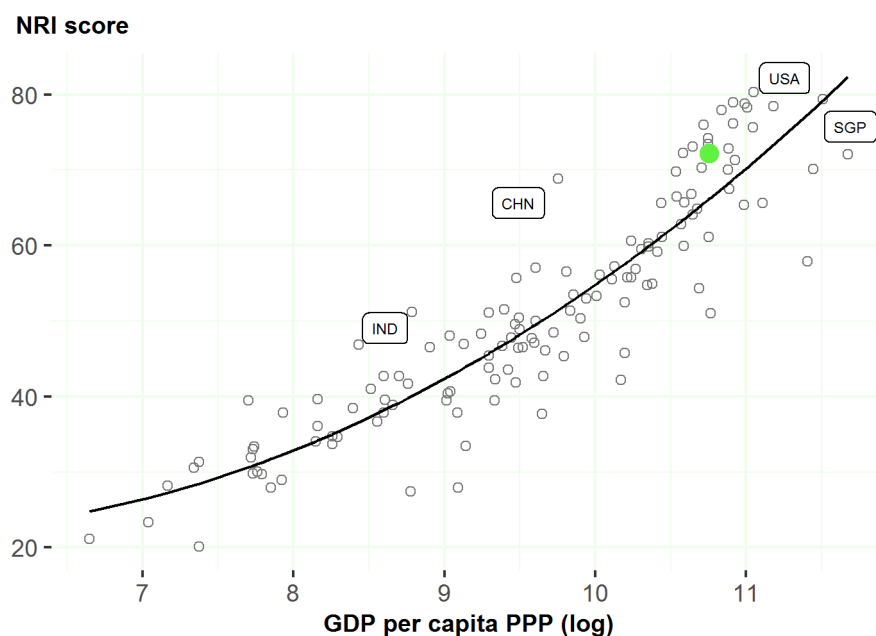
**Table 1: France rankings by sub-pillar**

Sub-pillar	Rank	Sub-pillar	Rank
Access	3	Regulation	16
Governments	5	Inclusion	18
Economy	14	Quality of Life	20
SDG Contribution	14	Trust	26
Businesses	15	Content	28
Future Technologies	16	Individuals	75

### NRI score and income

Figure 3 shows the position of France in terms of both NRI score and GDP per capita (PPP). The trend line shows the expected NRI score given an economy's income level. As can be seen, France is well above the trend line, which suggests that it has a greater network readiness than would be expected given its income level.

**Figure 3: NRI score and GDP per capita PPP (log)**



Note: USA = United States (rank: 1), SGP = Singapore (rank: 2), SWE = Sweden (3), CHN = China (23), IND = India (61). Netherlands (NLD) is ranked 4th. France belongs to the group of high-income countries, where the best performer is United States of America (USA). The top performer of its region-Europe-is Sweden (SWE).

## Performance against its income group and region

### High-income countries

France is ranked 16th in the group of high-income countries (Figure 4, left panel). In terms of pillar performance, it has a score higher than the income group average in each of the four pillars. At the sub-pillar level, it outperforms high-income countries in ten of the twelve sub-pillars: Access, Future Technologies, Businesses, Governments, Trust, Regulation, Inclusion, Economy, Quality of Life and SDG Contribution.

### Europe

France is ranked 10th within Europe (Figure 4, right panel). It outperforms its region in each of the four pillars. With regard to sub-pillars, it outperforms the average in Europe in ten of the twelve sub-pillars: Access, Future Technologies, Businesses, Governments, Trust, Regulation, Inclusion, Economy, Quality of Life and SDG Contribution.

**Figure 4: Performance of France against its income group and region, overall and by pillar**



**Table 2: France scores vs. averages of its income group and region, overall and by pillar**

Dimension	France	High-income countries	Europe
NRI	72.19	66.21	63.72
Technology	65.71	60.28	56.43
People	65.43	58.83	56.35
Governance	81.09	76.89	74.79
Impact	76.55	68.86	67.30

### Strongest and weakest indicators

The indicators where France performs particularly well include 3.2.4 E-commerce legislation, 4.3.3 SDG 5: Women's economic opportunity, and 2.3.2 Publication and use of open data (Table 3). By contrast, the economy's weakest indicators include 3.3.4 Gender gap in Internet use, 1.1.1 Mobile tariffs, and 1.1.4 Population covered by at least a 3G mobile network.

**Table 3: Strongest and weakest indicators of France**

Strongest indicators	Rank	Weakest indicators	Rank
3.2.4 E-commerce legislation	1	2.1.6 AI talent concentration	22
4.3.3 SDG 5: Women's economic opportunity	1	1.1.1 Mobile tariffs	55
2.3.2 Publication and use of open data	4	1.1.4 Population covered by at least a 3G mobile network	55
2.2.4 Annual investment in telecommunication services	6	3.3.4 Gender gap in Internet use	60
3.2.2 ICT regulatory environment	8		
4.2.4 Healthy life expectancy at birth	8		
3.2.3 Regulation of emerging technologies	9		
4.1.4 Domestic market size	9		
4.1.1 High-tech and medium-high-tech manufacturing	10		
2.3.3 Government promotion of investment in emerging technologies	12		
1.1.2 Handset prices	13		

# NRI 2022 At-A-Glance: France

Network Readiness Index

Rank: 16 (out of 131)

Score: 72.19

Pillar/sub-pillar	Rank	Score	Pillar/sub-pillar	Rank	Score
A. Technology pillar	15	65.71	C. Governance pillar	18	81.09
1st sub-pillar: Access	3	85.83	1st sub-pillar: Trust	26	75.66
2nd sub-pillar: Content	28	55.06	2nd sub-pillar: Regulation	16	84.48
3rd sub-pillar: Future Technologies	16	56.24	3rd sub-pillar: Inclusion	18	83.12
B. People pillar	16	65.43	D. Impact pillar	10	76.55
1st sub-pillar: Individuals	75	46.11	1st sub-pillar: Economy	14	60.80
2nd sub-pillar: Businesses	15	69.35	2nd sub-pillar: Quality of Life	20	82.04
3rd sub-pillar: Governments	5	80.83	3rd sub-pillar: SDG Contribution	14	86.79

## The Network Readiness Index in detail

Indicator	Rank	Score	Indicator	Rank	Score
<b>A. Technology pillar</b>	15	65.71	<b>C. Governance pillar</b>	18	81.09
1st sub-pillar: Access	3	85.83	1st sub-pillar: Trust	26	75.66
1.1.1 Mobile tariffs	55	67.07	3.1.1 Secure Internet servers	21	83.77
1.1.2 Handset prices	13	83.83	3.1.2 Cybersecurity	14	97.56
1.1.3 FTTH/building Internet subscriptions	NA	NA	3.1.3 Online access to financial account	21	60.62
1.1.4 Population covered by at least a 3G mobile network	55	99.68	3.1.4 Internet shopping	28	60.69
1.1.5 International Internet bandwidth	27	79.55	2nd sub-pillar: Regulation	16	84.48
1.1.6 Internet access in schools	31	99.00	3.2.1 Regulatory quality	25	73.07
2nd sub-pillar: Content	28	55.06	3.2.2 ICT regulatory environment	8	95.88
1.2.1 GitHub commits	23	41.35	3.2.3 Regulation of emerging technologies	9	81.84
1.2.2 Internet domain registrations	25	30.94	3.2.4 E-commerce legislation	1	100.00
1.2.3 Mobile apps development	28	92.89	3.2.5 Privacy protection by law content	49	71.63
1.2.4 AI scientific publications	NA	NA	3rd sub-pillar: Inclusion	18	83.12
3rd sub-pillar: Future Technologies	16	56.24	3.3.1 E-Participation	18	90.13
1.3.1 Adoption of emerging technologies	14	83.82	3.3.2 Socioeconomic gap in use of digital payments	17	96.60
1.3.2 Investment in emerging technologies	22	67.25	3.3.3 Availability of local online content	28	83.65
1.3.3 Robot density	19	24.29	3.3.4 Gender gap in Internet use	60	69.06
1.3.4 Computer software spending	14	49.60	3.3.5 Rural gap in use of digital payments	18	76.15

Indicator	Rank	Score	Indicator	Rank	Score
<b>B. People pillar</b>	16	65.43	<b>D. Impact pillar</b>	10	76.55
<i>1st sub-pillar: Individuals</i>	75	46.11	<i>1st sub-pillar: Economy</i>	14	60.80
2.1.1 Mobile broadband internet traffic within the country	17	38.41	4.1.1 High-tech and medium-high-tech manufacturing	10	68.90 ●
2.1.2 ICT skills in the education system	51	52.66	4.1.2 High-tech exports	15	64.57
2.1.3 Use of virtual social networks	44	74.98	4.1.3 PCT patent applications	15	49.78
2.1.4 Tertiary enrollment	36	45.39	4.1.4 Domestic market size	9	79.44 ●
2.1.5 Adult literacy rate	NA	NA	4.1.5 Prevalence of gig economy	21	66.86
2.1.6 AI talent concentration	22	19.10 ○	4.1.6 ICT services exports	50	35.26
<i>2nd sub-pillar: Businesses</i>	15	69.35	<i>2nd sub-pillar: Quality of Life</i>	20	82.04
2.2.1 Firms with website	36	70.47	4.2.1 Happiness	23	79.73
2.2.2 GERD financed by business enterprise	18	70.18	4.2.2 Freedom to make life choices	49	78.30
2.2.3 Knowledge intensive employment	15	73.55	4.2.3 Income inequality	33	76.88
2.2.4 Annual investment in telecommunication services	6	91.60 ●	4.2.4 Healthy life expectancy at birth	8	93.27 ●
2.2.5 GERD performed by business enterprise	15	40.93	<i>3rd sub-pillar: SDG Contribution</i>	14	86.79
<i>3rd sub-pillar: Governments</i>	5	80.83	4.3.1 SDG 3: Good Health and Well-Being	20	91.09
2.3.1 Government online services	18	87.88	4.3.2 SDG 4: Quality Education	25	66.41
2.3.2 Publication and use of open data	4	94.12 ●	4.3.3 SDG 5: Women's economic opportunity	1	100.00 ●
2.3.3 Government promotion of investment in emerging tech	12	74.76	4.3.4 SDG 7: Affordable and Clean Energy	43	83.54
2.3.4 R&D expenditure by governments and higher education	16	66.56	4.3.5 SDG 11: Sustainable Cities and Communities	14	92.93

NOTE: ● a strength and ○ a weakness.

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