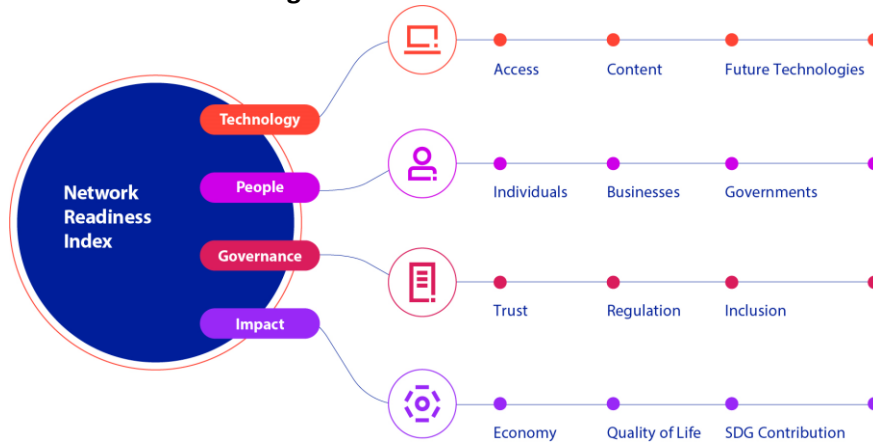




Cote d'Ivoire

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 2023 the NRI Report maps the network-based readiness landscape of 134 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.

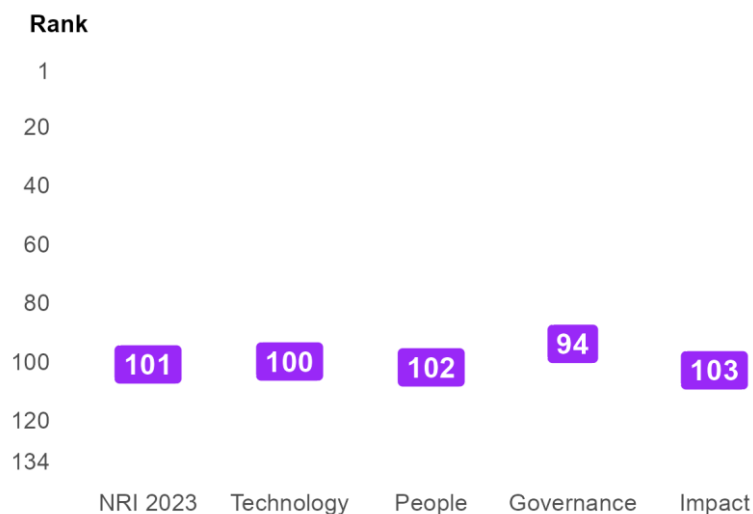
Figure 1: The NRI 2023 model



Global NRI position of Cote d'Ivoire

Cote d'Ivoire ranks 101st out of the 134 economies included in the NRI 2023 (Figure 2). Its main strength relates to Governance. The greatest scope for improvement, meanwhile, concerns Impact.

Figure 2: Cote d'Ivoire global ranking, overall and by pillar



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Performance at sub-pillar level

When it comes to sub-pillars, the strongest showings of Cote d'Ivoire relate to Regulation, Economy and Access, among others (Table 1). More could be done, though, to improve the economy's performances in the Businesses, Quality of Life and Content sub-pillars.

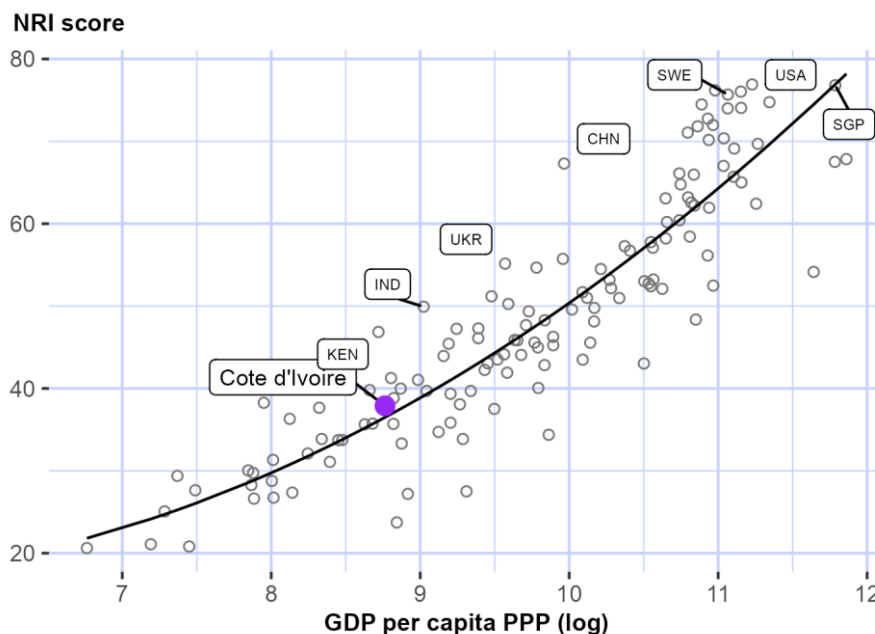
Table 1: Cote d'Ivoire rankings by sub-pillar

Sub-pillar	Rank	Sub-pillar	Rank
Regulation	73	Governments	102
Economy	80	Inclusion	102
Access	88	Future Technologies	103
SDG Contribution	93	Businesses	103
Trust	95	Quality of Life	108
Individuals	99	Content	117

NRI score and income

Figure 3 shows the position of Cote d'Ivoire 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, Cote d'Ivoire is slightly above the trend line, which suggests that its network readiness is more or less in line with what 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), FIN = Finland (3), NLD = Netherlands (4), SWE = Sweden (5), CHN = China (20), IND = India (61). Cote d'Ivoire belongs to the group of lower-middle-income countries, where the best performer is Ukraine (UKR). The top performer of its region-Africa-is Kenya (KEN).

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Performance against its income group and region

Lower-middle-income countries

Cote d'Ivoire is ranked 21st in the group of lower-middle-income countries (Figure 4, left panel). In terms of pillar performance, it has a score higher than the income group average in one of the four pillars: Governance. At the sub-pillar level, it outperforms lower-middle-income countries in five of the twelve sub-pillars: Access, Trust, Regulation, Economy and SDG Contribution.

Africa

Cote d'Ivoire is ranked 7th within Africa (Figure 4, right panel). It outperforms its region in each of the four pillars. With regard to sub-pillars, it outperforms the average in Africa in eleven of the twelve sub-pillars: Access, Content, Individuals, Businesses, Governments, Trust, Regulation, Inclusion, Economy, Quality of Life and SDG Contribution.

Figure 4: Performance of Cote d'Ivoire against its income group and region, overall and by pillar

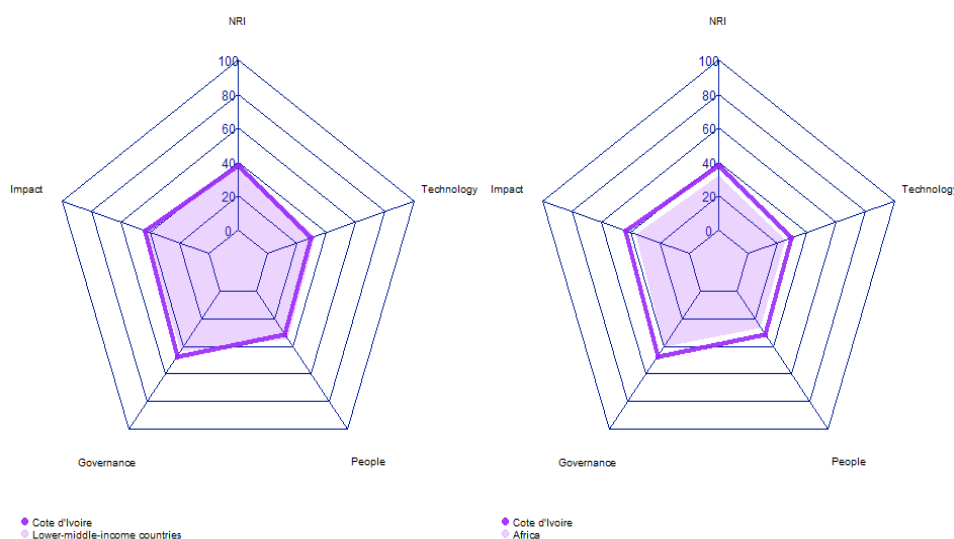


Table 2: Cote d'Ivoire scores vs. averages of its income group and region, overall and by pillar

Dimension	Cote d'Ivoire	Lower-middle-income countries	Africa
NRI	37.89	38.41	32.14
Technology	29.40	32.12	25.14
People	31.67	34.38	26.19
Governance	47.29	43.27	40.44
Impact	43.21	43.89	36.77

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Strongest and weakest indicators

The indicators where Cote d'Ivoire performs particularly well include 3.2.4 E-commerce legislation, 4.3.3 SDG 5: Women's economic opportunity, and 2.1.2 ICT skills in the education system (Table 3). By contrast, the economy's weakest indicators include 4.3.5 SDG 11: Sustainable Cities and Communities, 1.3.4 Computer software spending, and 1.2.3 Mobile apps development.

Table 3: Highlight of Strengths and Opportunities for Cote d'Ivoire

Strongest indicators	Rank	Weakest indicators	Rank
3.2.4 E-commerce legislation	1	2.3.4 R&D expenditure by governments and higher education	108
4.3.3 SDG 5: Women's economic opportunity	25	2.2.1 Firms with website	109
2.1.2 ICT skills in the education system	26	1.2.3 Mobile apps development	114
4.1.2 High-tech exports	45	1.3.4 Computer software spending	121
4.3.4 SDG 7: Affordable and Clean Energy	54	4.3.5 SDG 11: Sustainable Cities and Communities	128
3.2.3 Regulation of emerging technologies	56		
2.3.3 Government promotion of investment in emerging technologies	58		
2.1.1 Mobile broadband internet traffic within the country	60		
2.2.4 Annual investment in telecommunication services	64		
4.1.5 Prevalence of gig economy	64		
3.3.2 Socioeconomic gap in use of digital payments	67		

Note: For the full list of strengths and weaknesses, see At-A-Glance table.

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NRI 2023 At-A-Glance: Cote d'Ivoire

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Rank: 101 (out of 134)

Score: 37.89

Pillar/sub-pillar	Rank	Score	Pillar/sub-pillar	Rank	Score
A. Technology pillar	100	29.40	C. Governance pillar	94	47.29
1st sub-pillar: Access	88	55.78	1st sub-pillar: Trust	95	32.34
2nd sub-pillar: Content	117	10.07	2nd sub-pillar: Regulation	73	63.35
3rd sub-pillar: Future Technologies	103	22.36	3rd sub-pillar: Inclusion	102	46.18
B. People pillar	102	31.67	D. Impact pillar	103	43.21
1st sub-pillar: Individuals	99	37.33	1st sub-pillar: Economy	80	23.71
2nd sub-pillar: Businesses	103	31.70	2nd sub-pillar: Quality of Life	108	50.76
3rd sub-pillar: Governments	102	25.96	3rd sub-pillar: SDG Contribution	93	55.17

The Network Readiness Index in detail

Indicator	Rank	Score	Indicator	Rank	Score
A. Technology pillar	100	29.40	C. Governance pillar	94	47.29
1st sub-pillar: Access	88	55.78	1st sub-pillar: Trust	95	32.34
1.1.1 Mobile tariffs	102	37.33	3.1.1 Secure Internet servers	112	32.04
1.1.2 Handset prices	72	44.13	3.1.2 Cybersecurity	82	67.25
1.1.3 FTTH/building Internet subscriptions	65	29.08	3.1.3 Online access to financial account	73	23.87
1.1.4 Population covered by at least a 3G mobile network	81	99.07	3.1.4 Internet shopping	104	6.21
1.1.5 International Internet bandwidth	77	69.28	2nd sub-pillar: Regulation	73	63.35
1.1.6 Internet access in schools	NA	NA	3.2.1 Regulatory quality	84	43.81
2nd sub-pillar: Content	117	10.07	3.2.2 ICT regulatory environment	90	70.59
1.2.1 GitHub commits	123	0.43	3.2.3 Regulation of emerging technologies	56	47.01
1.2.2 Internet domain registrations	112	0.39	3.2.4 E-commerce legislation	1	100.00
1.2.3 Mobile apps development	114	38.49	3.2.5 Privacy protection by law content	87	55.35
1.2.4 AI scientific publications	105	0.98	3rd sub-pillar: Inclusion	102	46.18
3rd sub-pillar: Future Technologies	103	22.36	3.3.1 E-Participation	90	36.05
1.3.1 Adoption of emerging technologies	89	37.49	3.3.2 Socioeconomic gap in use of digital payments	67	74.56
1.3.2 Investment in emerging technologies	101	28.50	3.3.3 Availability of local online content	110	33.17

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Indicator	Rank	Score	Indicator	Rank	Score
1.3.3 Robot density	NA	NA	3.3.4 Gender gap in Internet use	99	29.87
1.3.4 Computer software spending	121	1.10	3.3.5 Rural gap in use of digital payments	76	57.24
B. People pillar			D. Impact pillar		
<i>1st sub-pillar: Individuals</i>			<i>1st sub-pillar: Economy</i>		
2.1.1 Mobile broadband internet traffic within the country	60	10.31	4.1.1 High-tech and medium-high-tech manufacturing	NA	NA
2.1.2 ICT skills in the education system	26	70.42	4.1.2 High-tech exports	45	20.13
2.1.3 Use of virtual social networks	110	14.86	4.1.3 PCT patent applications	94	0.23
2.1.4 Tertiary enrollment	114	4.85	4.1.4 Domestic market size	73	50.24
2.1.5 Adult literacy rate	65	86.20	4.1.5 Prevalence of gig economy	64	40.99
2.1.6 AI talent concentration	NA	NA	4.1.6 ICT services exports	91	6.98
<i>2nd sub-pillar: Businesses</i>			<i>2nd sub-pillar: Quality of Life</i>		
2.2.1 Firms with website	109	9.94	4.2.1 Happiness	94	46.43
2.2.2 GERD financed by business enterprise	NA	NA	4.2.2 Freedom to make life choices	104	56.39
2.2.3 Knowledge intensive employment	115	7.08	4.2.3 Income inequality	62	64.82
2.2.4 Annual investment in telecommunication services	64	78.10	4.2.4 Healthy life expectancy at birth	121	35.38
2.2.5 GERD performed by business enterprise	NA	NA	<i>3rd sub-pillar: SDG Contribution</i>		
<i>3rd sub-pillar: Governments</i>			4.3.1 SDG 3: Good Health and Well-Being	118	28.21
2.3.1 Government online services	90	49.90	4.3.2 SDG 4: Quality Education	NA	NA
2.3.2 Publication and use of open data	82	13.24	4.3.3 SDG 5: Women's economic opportunity	25	92.92
2.3.3 Government promotion of investment in emerging tech	58	39.64	4.3.4 SDG 7: Affordable and Clean Energy	54	75.07
2.3.4 R&D expenditure by governments and higher education	108	1.09	4.3.5 SDG 11: Sustainable Cities and Communities	128	24.48

NOTE: ● a strength and ○ a weakness.

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