



## Mozambique

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.

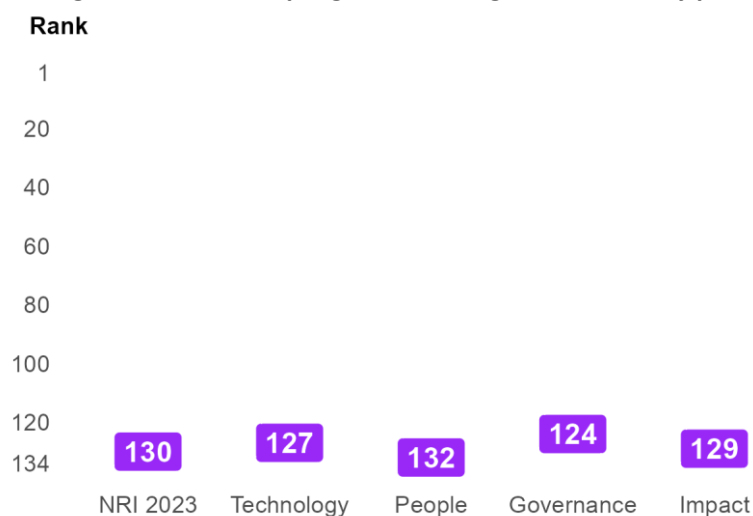
Figure 1: The NRI 2023 model



### Global NRI position of Mozambique

Mozambique ranks 130th 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 People.

Figure 2: Mozambique 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 Mozambique relate to Regulation, Trust and Quality of Life, among others (Table 1). More could be done, though, to improve the economy's performances in the Governments, Individuals and Economy sub-pillars.

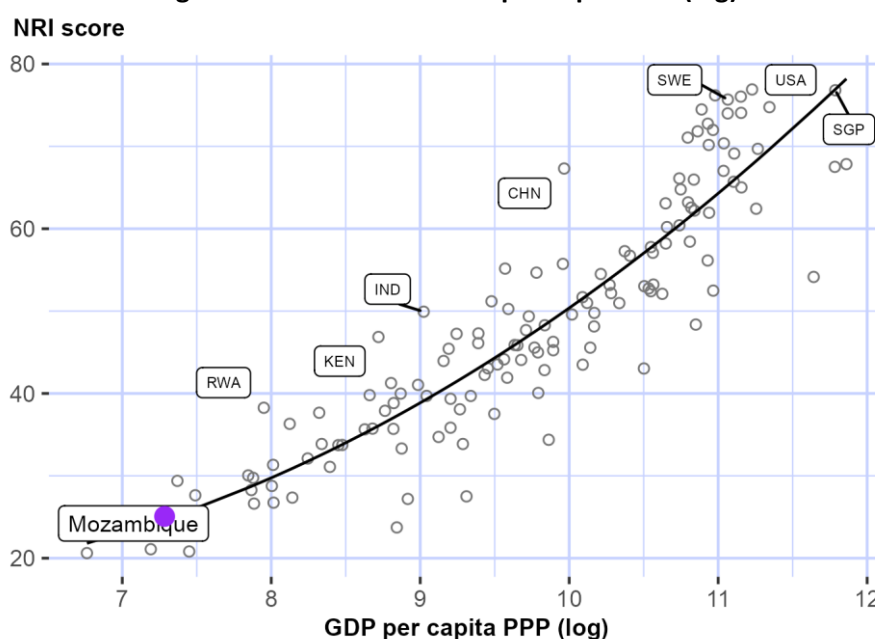
**Table 1: Mozambique rankings by sub-pillar**

Sub-pillar	Rank	Sub-pillar	Rank
Regulation	108	SDG Contribution	125
Trust	113	Future Technologies	127
Quality of Life	120	Businesses	128
Access	122	Governments	128
Content	122	Individuals	129
Inclusion	125	Economy	132

## NRI score and income

Figure 3 shows the position of Mozambique 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, Mozambique 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). Mozambique belongs to the group of low-income countries, where the best performer is Rwanda (RWA). The top performer of its region-Africa-is Kenya (KEN).

## Performance against its income group and region

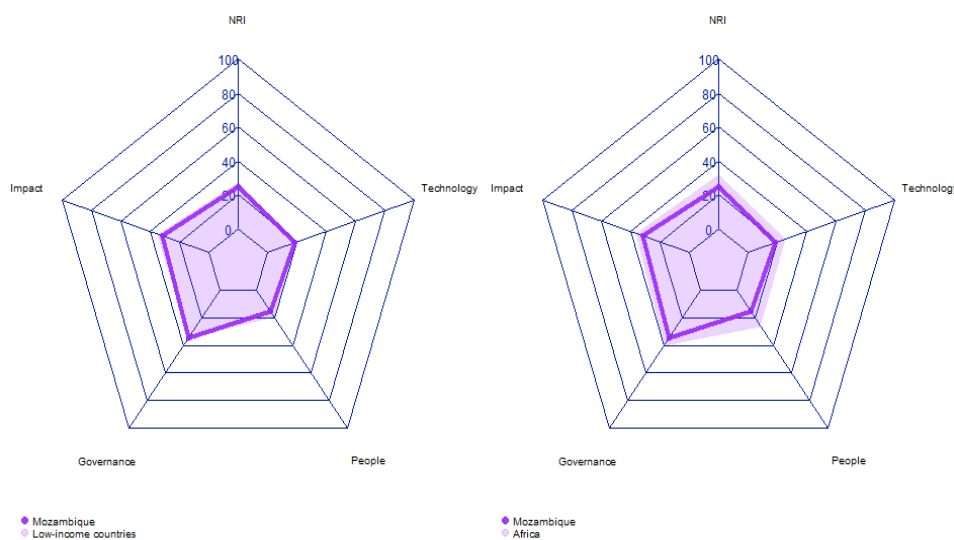
### Low-income countries

Mozambique is ranked 9th in the group of low-income countries (Figure 4, left panel). In terms of pillar performance, it has a score below the income group average in each of the four pillars. At the sub-pillar level, it outperforms low-income countries in three of the twelve sub-pillars: Access, Trust and Regulation.

### Africa

Mozambique is ranked 28th within Africa (Figure 4, right panel). It lags behind its region in each of the four pillars. With regard to sub-pillars, it trails the regional average in each of them.

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



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

Dimension	Mozambique	Low-income countries	Africa
NRI	25.07	27.19	32.14
Technology	18.83	19.75	25.14
People	15.44	19.57	26.19
Governance	34.54	34.61	40.44
Impact	31.48	34.82	36.77

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## Strongest and weakest indicators

The indicators where Mozambique performs particularly well include 4.2.2 Freedom to make life choices, 3.2.5 Privacy protection by law content, and 3.1.3 Online access to financial account (Table 3). By contrast, the economy's weakest indicators include 4.3.4 SDG 7: Affordable and Clean Energy, 4.2.4 Healthy life expectancy at birth, and 3.3.3 Availability of local online content.

**Table 3: Highlight of Strengths and Opportunities for Mozambique**

Strongest indicators	Rank	Weakest indicators	Rank
4.2.2 Freedom to make life choices	31	2.2.5 GERD performed by business enterprise	90
3.2.5 Privacy protection by law content	44	4.1.3 PCT patent applications	99
3.1.3 Online access to financial account	54	1.2.3 Mobile apps development	121
3.3.5 Rural gap in use of digital payments	62	3.3.3 Availability of local online content	128
4.3.3 SDG 5: Women's economic opportunity	71	4.2.4 Healthy life expectancy at birth	131
1.2.4 AI scientific publications	74	4.3.4 SDG 7: Affordable and Clean Energy	132
2.3.4 R&D expenditure by governments and higher education	75		
2.2.1 Firms with website	84		
4.2.1 Happiness	95		
4.3.5 SDG 11: Sustainable Cities and Communities	99		

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

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## NRI 2023 At-A-Glance: Mozambique

Network Readiness Index

Rank: 130 (out of 134)

Score: 25.07

Pillar/sub-pillar	Rank	Score	Pillar/sub-pillar	Rank	Score
A. Technology pillar	127	18.83	C. Governance pillar	124	34.54
1st sub-pillar: Access	122	39.17	1st sub-pillar: Trust	113	22.27
2nd sub-pillar: Content	122	2.32	2nd sub-pillar: Regulation	108	51.12
3rd sub-pillar: Future Technologies	127	15.01	3rd sub-pillar: Inclusion	125	30.24
B. People pillar	132	15.44	D. Impact pillar	129	31.48
1st sub-pillar: Individuals	129	14.78	1st sub-pillar: Economy	132	9.07
2nd sub-pillar: Businesses	128	19.00	2nd sub-pillar: Quality of Life	120	43.08
3rd sub-pillar: Governments	128	12.53	3rd sub-pillar: SDG Contribution	125	42.30

### The Network Readiness Index in detail

Indicator	Rank	Score	Indicator	Rank	Score
<b>A. Technology pillar</b>	127	18.83	<b>C. Governance pillar</b>	124	34.54
1st sub-pillar: Access	122	39.17	1st sub-pillar: Trust	113	22.27
1.1.1 Mobile tariffs	126	11.26	3.1.1 Secure Internet servers	119	26.92
1.1.2 Handset prices	125	17.33	3.1.2 Cybersecurity	114	22.85
1.1.3 FTTH/building Internet subscriptions	100	13.52	3.1.3 Online access to financial account	54	34.30 ●
1.1.4 Population covered by at least a 3G mobile network	114	94.47	3.1.4 Internet shopping	109	5.00
1.1.5 International Internet bandwidth	119	59.28	2nd sub-pillar: Regulation	108	51.12
1.1.6 Internet access in schools	NA	NA	3.2.1 Regulatory quality	113	32.02
2nd sub-pillar: Content	122	2.32	3.2.2 ICT regulatory environment	106	65.88
1.2.1 GitHub commits	127	0.29	3.2.3 Regulation of emerging technologies	NA	NA
1.2.2 Internet domain registrations	123	0.15	3.2.4 E-commerce legislation	121	33.33
1.2.3 Mobile apps development	121	4.61 ○	3.2.5 Privacy protection by law content	44	73.25 ●
1.2.4 AI scientific publications	74	4.24 ●	3rd sub-pillar: Inclusion	125	30.24
3rd sub-pillar: Future Technologies	127	15.01	3.3.1 E-Participation	125	17.45
1.3.1 Adoption of emerging technologies	119	17.19	3.3.2 Socioeconomic gap in use of digital payments	121	38.26
1.3.2 Investment in emerging technologies	108	26.00	3.3.3 Availability of local online content	128	18.27 ○



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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	103	11.62
1.3.4 Computer software spending	116	1.84	3.3.5 Rural gap in use of digital payments	62	65.60 ●
<b>B. People pillar</b>			<b>D. Impact pillar</b>		
<i>1st sub-pillar: Individuals</i>	132	15.44	<i>1st sub-pillar: Economy</i>	129	31.48
2.1.1 Mobile broadband internet traffic within the country	109	1.28	4.1.1 High-tech and medium-high-tech manufacturing	NA	NA
2.1.2 ICT skills in the education system	NA	NA	4.1.2 High-tech exports	113	1.61
2.1.3 Use of virtual social networks	125	4.69	4.1.3 PCT patent applications	99	0.00 ○
2.1.4 Tertiary enrollment	118	3.10	4.1.4 Domestic market size	109	36.75
2.1.5 Adult literacy rate	96	50.05	4.1.5 Prevalence of gig economy	121	5.52
2.1.6 AI talent concentration	NA	NA	4.1.6 ICT services exports	121	1.45
<i>2nd sub-pillar: Businesses</i>	128	19.00	<i>2nd sub-pillar: Quality of Life</i>	120	43.08
2.2.1 Firms with website	84	35.58 ●	4.2.1 Happiness	95	44.40 ●
2.2.2 GERD financed by business enterprise	96	0.58	4.2.2 Freedom to make life choices	31	84.80 ●
2.2.3 Knowledge intensive employment	122	1.80	4.2.3 Income inequality	112	22.61
2.2.4 Annual investment in telecommunication services	121	57.03	4.2.4 Healthy life expectancy at birth	131	20.48 ○
2.2.5 GERD performed by business enterprise	90	0.01 ○	<i>3rd sub-pillar: SDG Contribution</i>	125	42.30
<i>3rd sub-pillar: Governments</i>	128	12.53	4.3.1 SDG 3: Good Health and Well-Being	116	30.43
2.3.1 Government online services	121	28.86	4.3.2 SDG 4: Quality Education	NA	NA
2.3.2 Publication and use of open data	100	2.94	4.3.3 SDG 5: Women's economic opportunity	71	75.22 ●
2.3.3 Government promotion of investment in emerging tech	114	12.87	4.3.4 SDG 7: Affordable and Clean Energy	132	17.05 ○
2.3.4 R&D expenditure by governments and higher education	75	5.46 ●	4.3.5 SDG 11: Sustainable Cities and Communities	99	46.50 ●

NOTE: ● a strength and ○ a weakness.

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