

Network Readiness Index 2025

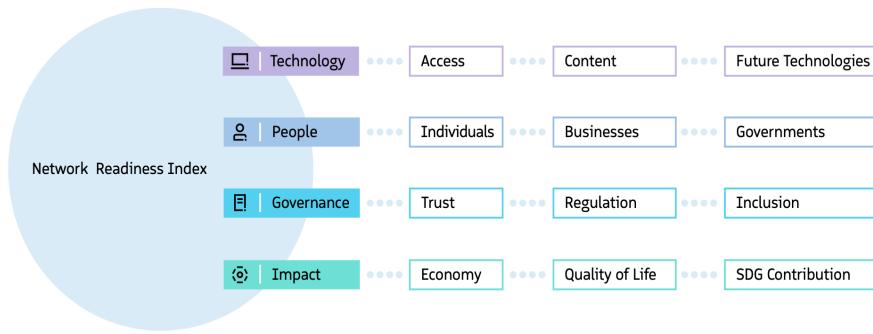
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Paraguay

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 2025 the NRI Report maps the network-based readiness landscape of 127 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 53 variables.

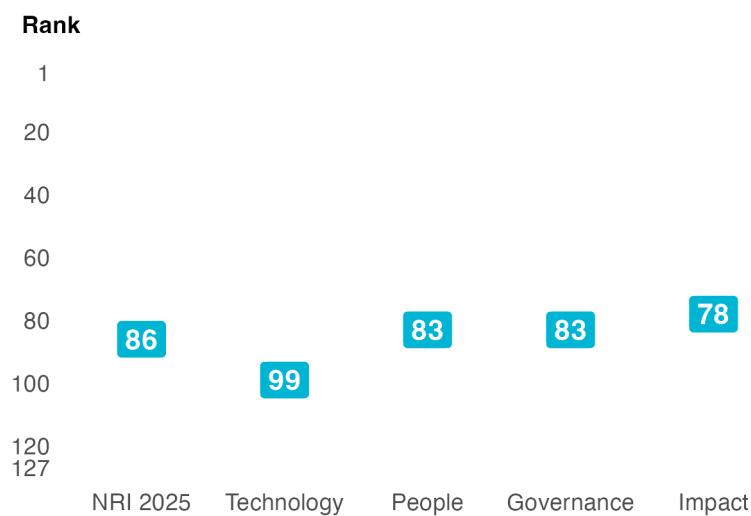
Figure 1: The NRI 2025 model



Global NRI position of Paraguay

Paraguay ranks 86 out of the 127 economies included in the NRI 2025 (Figure 2). Its main strength relates to Impact. The greatest scope for improvement, meanwhile, concerns Technology.

Figure 2: Paraguay global ranking, overall and by pillar



Performance at sub-pillar level

When it comes to sub-pillars, the strongest showings of Paraguay relate to Businesses, Quality of Life and Inclusion, among others (Table 1). More could be done, though, to improve the economy's performances in the Economy, Governments and Future Technologies sub-pillars.

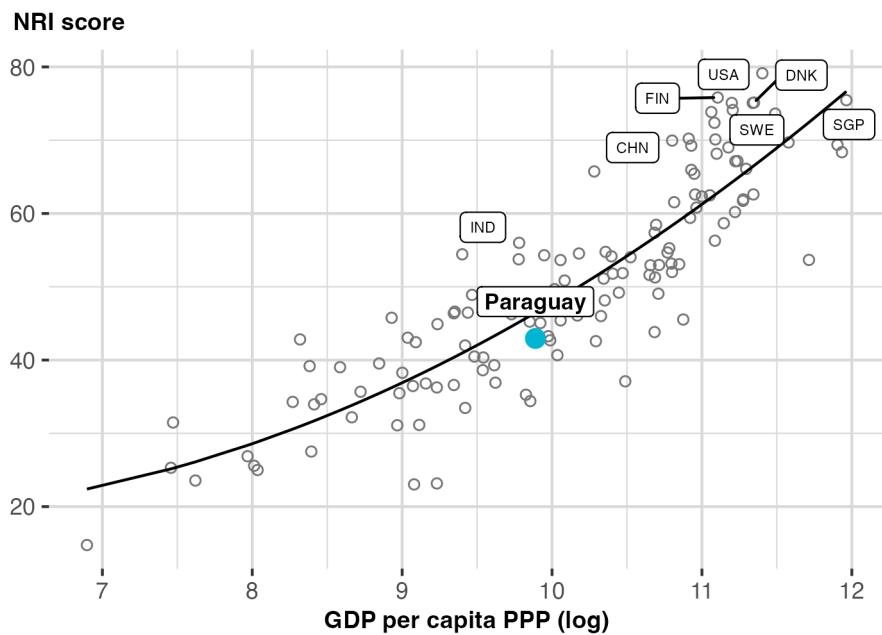
Table 1: Paraguay rankings by sub-pillar

Sub-pillar	Rank	Sub-pillar	Rank
Businesses	35	Individuals	96
Quality of Life	55	Content	99
Inclusion	65	Trust	100
SDG Contribution	66	Economy	100
Regulation	80	Governments	106
Access	85	Future Technologies	113

NRI score and income

Figure 3 shows the position of Paraguay 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, Paraguay is well below the trend line, which suggests that it is underachieving and that one would expect it could raise its network readiness in view of its income level.

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



Note: USA = United States of America (rank: 1), FIN =Finland (rank: 2), SGP = Singapore (3), DNK =Denmark (4), SWE = Sweden (5), CHN =China (24), and IND = India (45).

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Performance against its income group and region

Upper-middle-income countries

Paraguay is ranked 26th in the group of upper-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: Impact. At the sub-pillar level, it outperforms upper-middle-income countries in four of the twelve sub-pillars: Businesses, Inclusion, Quality of Life and SDG Contribution.

The Americas

Paraguay is ranked 14th within The Americas (Figure 4, right panel). It lags behind its region in each of the four pillars. With regard to sub-pillars, it outperforms the average in The Americas in three of the twelve sub-pillars: Businesses, Inclusion and Quality of Life.

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

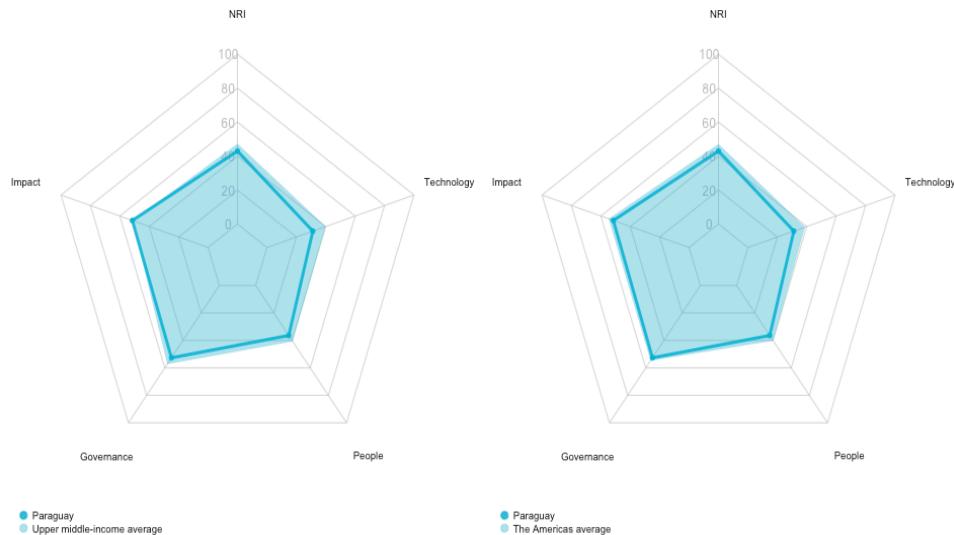


Table 2: Paraguay scores vs. averages of its income group and region, overall and by pillar

Dimension	Paraguay	Upper-middle-income countries	The Americas
NRI	42.95	47.32	47.15
Technology	31.22	39.95	38.91
People	36.40	40.75	40.23
Governance	52.64	57.29	54.75
Impact	51.52	51.31	54.70

NRI 2025 At-A-Glance: Paraguay

Network Readiness Index

Rank: 86 (out of 127)

Score: 42.95

Pillar/sub-pillar	Rank	Score	Pillar/sub-pillar	Rank	Score
A. Technology pillar	99	31.22	C. Governance pillar	83	52.64
1st sub-pillar: Access	85	59.97	1st sub-pillar: Trust	100	39.91
2nd sub-pillar: Content	99	15.48	2nd sub-pillar: Regulation	80	54.15
3rd sub-pillar: Future Technologies	113	18.20	3rd sub-pillar: Inclusion	65	63.88
B. People pillar	83	36.40	D. Impact pillar	78	51.52
1st sub-pillar: Individuals	96	42.30	1st sub-pillar: Economy	100	23.64
2nd sub-pillar: Businesses	35	43.14	2nd sub-pillar: Quality of Life	55	68.39
3rd sub-pillar: Governments	106	23.75	3rd sub-pillar: SDG Contribution	66	62.53

The Network Readiness Index in detail

Indicator	Rank	Score	Indicator	Rank	Score
A. Technology pillar	99	31.22	C. Governance pillar	83	52.64
1st sub-pillar: Access	85	59.97	1st sub-pillar: Trust	100	39.91
1.1.1 Mobile tariffs	83	57.75	3.1.1 Secure Internet servers	78	53.49
1.1.2 Handset prices	34	88.78	3.1.2 Cybersecurity	88	69.88
1.1.3 FTTH/building Internet subscriptions	58	33.07	3.1.3 Online access to financial account	45	23.91
1.1.4 Population covered by at least a 3G mobile network	53	97.95	3.1.4 Internet shopping	86	12.34
1.1.5 International Internet bandwidth	118	58.08	2nd sub-pillar: Regulation	80	54.15
1.1.6 Internet access in schools	78	24.21	3.2.1 Regulatory quality	74	40.25
2nd sub-pillar: Content	99	15.48	3.2.2 ICT regulatory environment	118	33.44
1.2.1 GitHub commits	92	3.04	3.2.3 Regulation of emerging technologies	105	16.33
1.2.2 Internet domain registrations	83	1.87	3.2.4 E-commerce legislation	1	100.00
1.2.3 Mobile apps development	87	56.78	3.2.5 Privacy protection by law content	27	80.73
1.2.4 AI scientific publications	114	0.22	3rd sub-pillar: Inclusion	65	63.88
3rd sub-pillar: Future Technologies	113	18.20	3.3.1 E-Participation	71	57.97
1.3.1 Adoption of emerging technologies	99	32.23	3.3.2 Socioeconomic gap in use of digital payments	82	58.96
1.3.2 Investment in emerging technologies	118	19.00	3.3.3 Gender gap in Internet use	14	70.52
1.3.3 Robot density	n/a	n/a	3.3.4 Rural gap in use of digital payments	33	68.06
1.3.4 Computer software spending	105	3.37	D. Impact pillar	78	51.52
B. People pillar	83	36.40	1st sub-pillar: Economy	100	23.64
1st sub-pillar: Individuals	96	42.30	4.1.1 ICT patent applications	n/a	n/a
2.1.1 Mobile broadband internet traffic within the country	111	2.44	4.1.2 Domestic market scale	85	45.71
2.1.2 ICT skills in the education system	111	13.93	4.1.3 Technology-Enabled Work Flexibility	84	24.60
2.1.3 Use of virtual social networks	76	60.73	4.1.4 ICT services exports	126	0.61
2.1.4 Adult literacy rate	50	92.10	2nd sub-pillar: Quality of Life	55	68.39
2.1.5 AI talent concentration	n/a	n/a	4.2.1 Happiness	52	65.06
2nd sub-pillar: Businesses	35	43.14	4.2.2 Freedom to make life choices	20	88.15

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Indicator	Rank	Score		Indicator	Rank	Score
2.2.1 Firms with website	12	91.85	●	4.2.3 Income inequality	96	47.96
2.2.2 Number of venture capital deals invested in AI	n/a	n/a		4.2.4 Healthy life expectancy at birth	90	55.99
2.2.3 Annual investment in telecommunication services	91	35.28		3rd sub-pillar: SDG Contribution	66	62.53
2.2.4 Public cloud computing market scale	78	2.29		4.3.1 SDG 3: Good Health and Well-Being	69	82.22
3rd sub-pillar: Governments	106	23.75		4.3.2 SDG 4: Quality Education	77	9.20
2.3.1 Government online services	79	60.44		4.3.3 SDG 5: Women's economic opportunity	27	91.82
2.3.2 Data Capabilities	72	21.74		4.3.4 SDG 7: Affordable and Clean Energy	52	78.58
2.3.3 Government promotion of emerging technologies	106	11.02	○	4.3.5 SDG 11: Sustainable Cities and Communities	71	58.86
2.3.4 Gross expenditure on R&D	94	1.80				

NOTE: ● indicates a strength and ○ indicates a weakness.

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