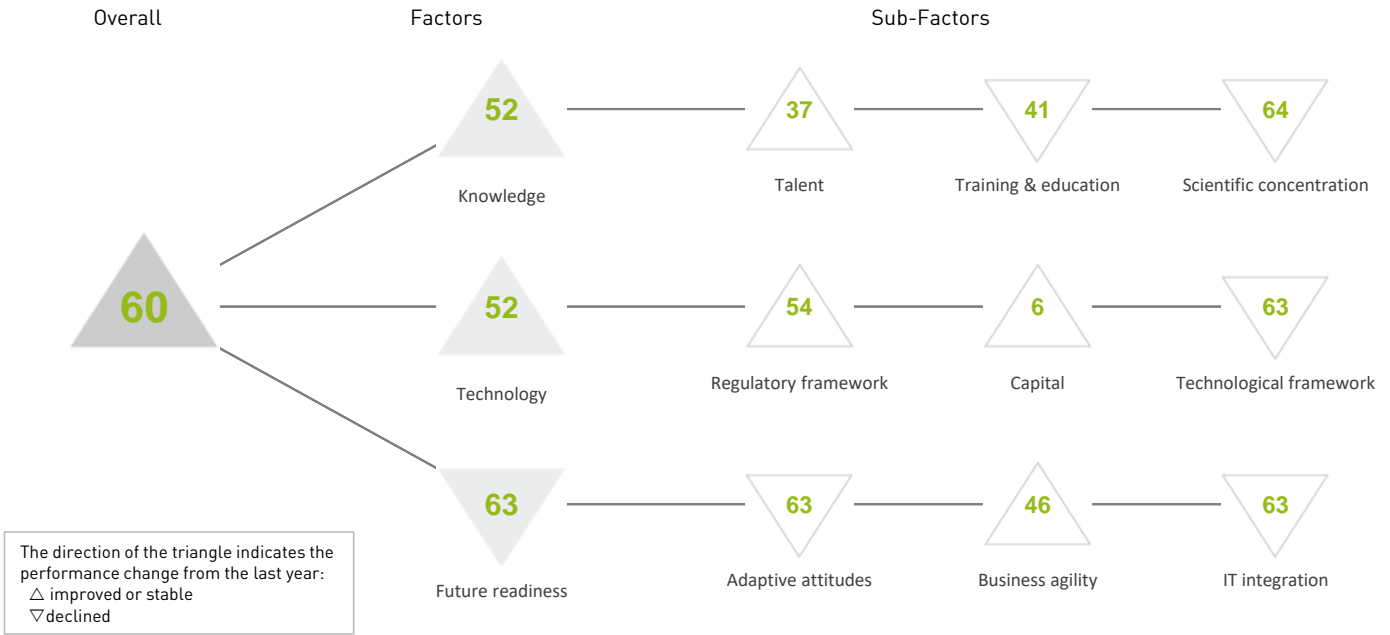


BOTSWANA

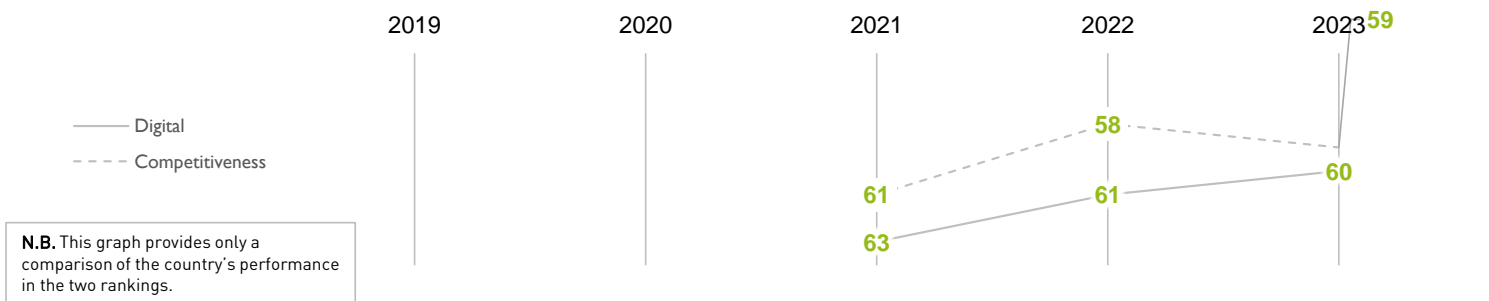
OVERALL PERFORMANCE (64 countries)



OVERALL & FACTORS - 5 years

	2019	2020	2021	2022	2023
OVERALL	-	-	63	61	60
Knowledge	-	-	64	55	52
Technology	-	-	63	59	52
Future readiness	-	-	63	61	63

COMPETITIVENESS & DIGITAL RANKINGS



PEER GROUPS RANKINGS

EUROPE - MIDDLE EAST - AFRICA (41 countries)



POPULATIONS < 20 MILLION (37 countries)



BOTSWANA

► Overall Top Strengths

▷ Overall Top Weaknesses

KNOWLEDGE

Sub-Factors	2019	2020	2021	2022	2023
Talent	-	-	53	42	37
Training & education	-	-	48	39	41
Scientific concentration	-	-	63	63	64

Talent	Rank	Training & education	Rank	Scientific concentration	Rank
Educational assessment PISA - Math	-	Employee training	55	Total expenditure on R&D (%)	-
► International experience	19	► Total public expenditure on education	01	Total R&D personnel per capita	-
► Foreign highly skilled personnel	17	▷ Higher education achievement	62	Female researchers	-
Management of cities	42	Pupil-teacher ratio (tertiary education)	36	R&D productivity by publication	-
Digital/Technological skills	54	Graduates in Sciences	52	Scientific and technical employment	54
Net flow of international students	47	Women with degrees	-	High-tech patent grants	61
				Robots in Education and R&D	-

TECHNOLOGY

Sub-Factors	2019	2020	2021	2022	2023
Regulatory framework	-	-	63	54	54
Capital	-	-	56	47	06
Technological framework	-	-	64	62	63

Regulatory framework	Rank	Capital	Rank	Technological framework	Rank
Starting a business	62	IT & media stock market capitalization	-	Communications technology	58
Enforcing contracts	57	Funding for technological development	50	▷ Mobile broadband subscribers	64
► Immigration laws	24	Banking and financial services	38	Wireless broadband	55
Development & application of tech.	36	Country credit rating	40	▷ Internet users	63
Scientific research legislation	45	Venture capital	36	▷ Internet bandwidth speed	64
Intellectual property rights	49	► Investment in Telecommunications	01	▷ High-tech exports (%)	63

FUTURE READINESS

Sub-Factors	2019	2020	2021	2022	2023
Adaptive attitudes	-	-	63	59	63
Business agility	-	-	46	51	46
IT integration	-	-	63	61	63

Adaptive attitudes	Rank	Business agility	Rank	IT integration	Rank
E-Participation	61	Opportunities and threats	58	E-Government	61
Internet retailing	-	World robots distribution	-	Public-private partnerships	31
Tablet possession	-	Agility of companies	59	Cyber security	51
Smartphone possession	-	Use of big data and analytics	41	Software piracy	60
Attitudes toward globalization	53	Knowledge transfer	45	Government cyber security capacity	62
		Entrepreneurial fear of failure	-	Privacy protection by law content	27