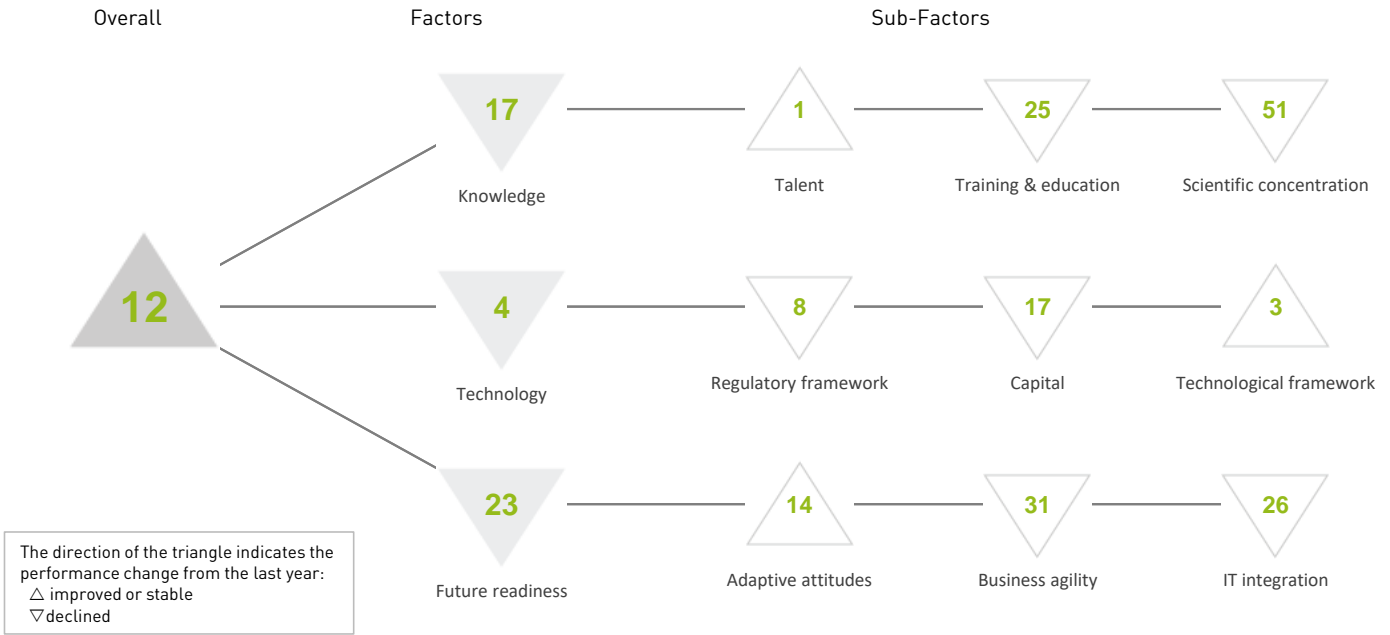


UAE

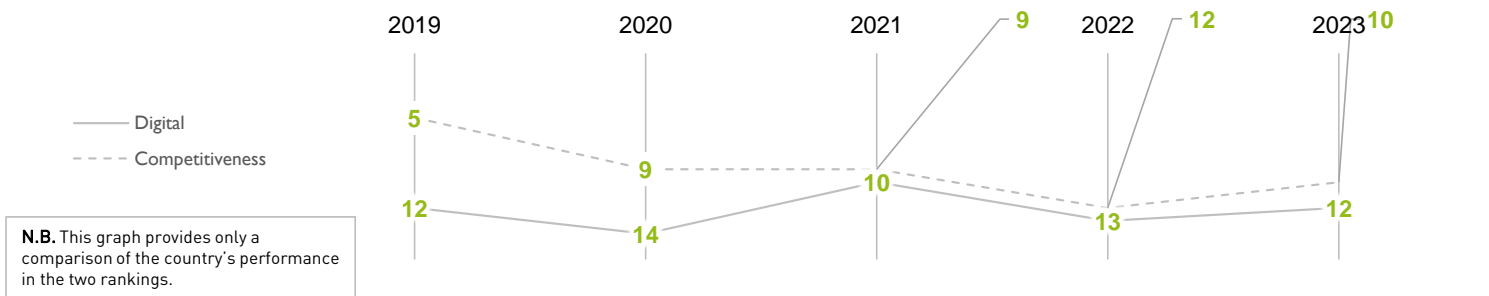
OVERALL PERFORMANCE (64 countries)



OVERALL & FACTORS - 5 years

	2019	2020	2021	2022	2023
OVERALL	12	14	10	13	12
Knowledge	35	31	18	15	17
Technology	02	04	05	03	04
Future readiness	09	11	12	20	23

COMPETITIVENESS & DIGITAL RANKINGS



PEER GROUPS RANKINGS

EUROPE - MIDDLE EAST - AFRICA (41 countries)



POPULATIONS < 20 MILLION (37 countries)



► Overall Top Strengths

▷ Overall Top Weaknesses

KNOWLEDGE

Sub-Factors	2019	2020	2021	2022	2023
Talent	05	05	01	01	01
Training & education	41	44	25	22	25
Scientific concentration	56	52	52	46	51

Talent	Rank	Training & education	Rank	Scientific concentration	Rank
Educational assessment PISA - Math	43	Employee training	44	Total expenditure on R&D (%)	27
International experience	04	▷ Total public expenditure on education	48	Total R&D personnel per capita	36
Foreign highly skilled personnel	03	Higher education achievement	19	Female researchers	39
► Management of cities	01	Pupil-teacher ratio (tertiary education)	43	▷ R&D productivity by publication	50
Digital/Technological skills	19	Graduates in Sciences	06	Scientific and technical employment	32
► Net flow of international students	01	Women with degrees	12	High-tech patent grants	23
				Robots in Education and R&D	41

TECHNOLOGY

Sub-Factors	2019	2020	2021	2022	2023
Regulatory framework	01	03	02	03	08
Capital	02	10	11	10	17
Technological framework	05	08	05	03	03

Regulatory framework	Rank	Capital	Rank	Technological framework	Rank
Starting a business	08	IT & media stock market capitalization	29	Communications technology	33
Enforcing contracts	09	Funding for technological development	19	Mobile broadband subscribers	18
► Immigration laws	02	Banking and financial services	26	► Wireless broadband	01
Development & application of tech.	16	Country credit rating	16	► Internet users	01
Scientific research legislation	30	Venture capital	07	Internet bandwidth speed	19
Intellectual property rights	38	Investment in Telecommunications	33	▷ High-tech exports (%)	46

FUTURE READINESS

Sub-Factors	2019	2020	2021	2022	2023
Adaptive attitudes	20	15	15	16	14
Business agility	04	12	10	26	31
IT integration	08	08	10	24	26

Adaptive attitudes	Rank	Business agility	Rank	IT integration	Rank
E-Participation	17	Opportunities and threats	19	E-Government	13
Internet retailing	28	▷ World robots distribution	50	Public-private partnerships	17
Tablet possession	08	Agility of companies	14	Cyber security	10
Smartphone possession	14	Use of big data and analytics	29	Software piracy	20
Attitudes toward globalization	02	Knowledge transfer	32	Government cyber security capacity	07
		Entrepreneurial fear of failure	39	▷ Privacy protection by law content	63