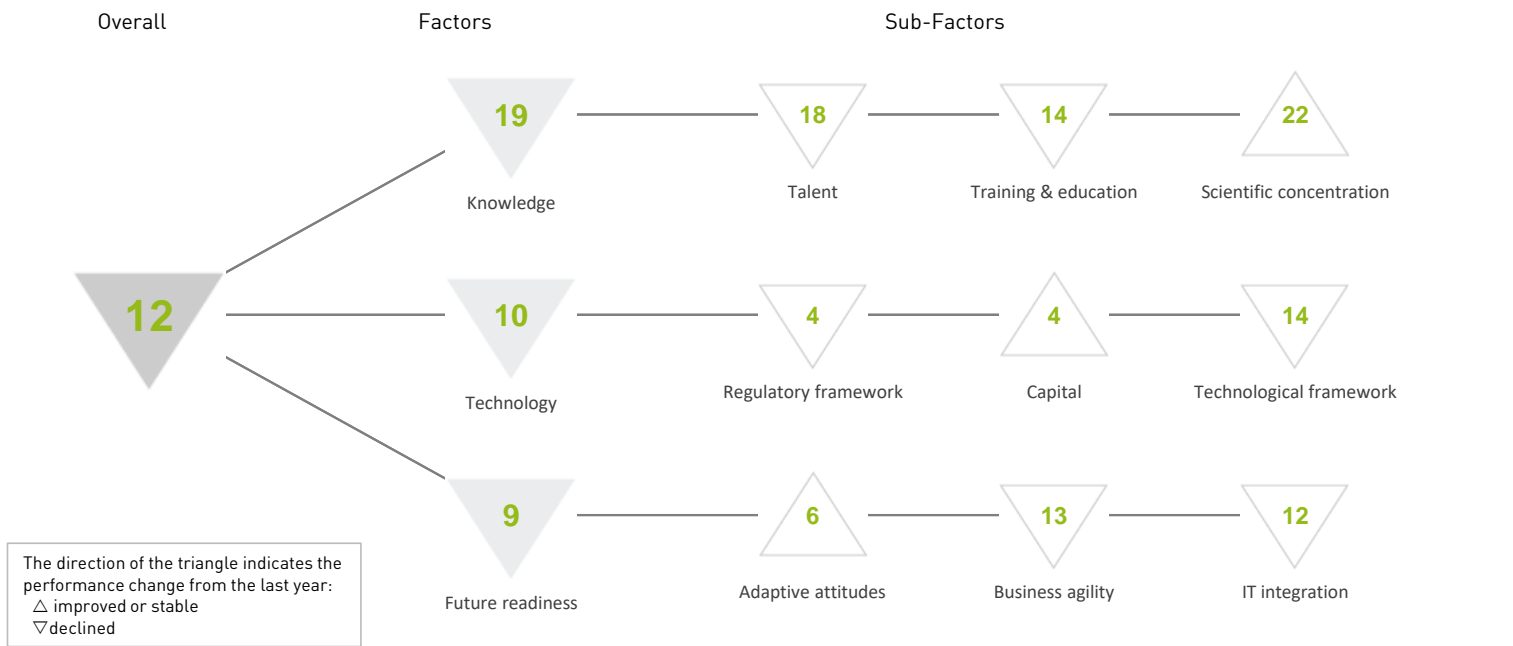


NORWAY

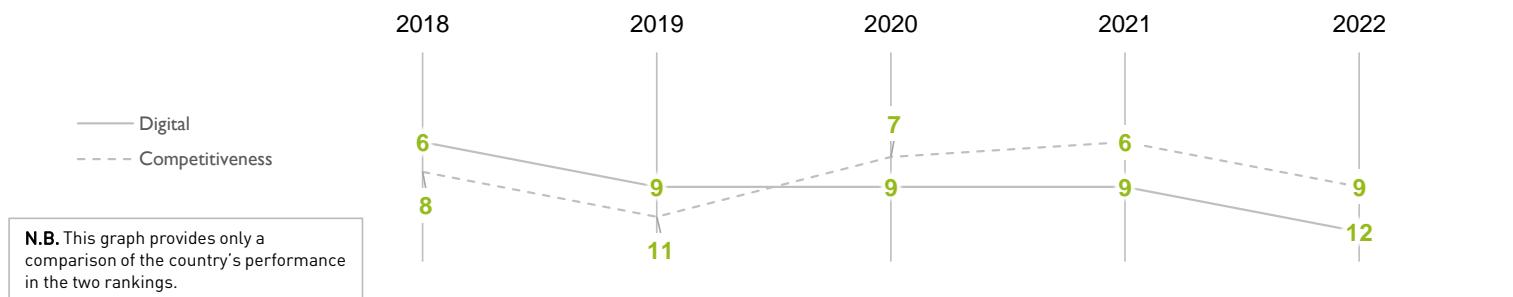
OVERALL PERFORMANCE (63 countries)



OVERALL & FACTORS - 5 years

	2018	2019	2020	2021	2022
OVERALL	06	09	09	09	12
Knowledge	16	16	16	17	19
Technology	02	03	03	06	10
Future readiness	06	08	06	08	09

COMPETITIVENESS & DIGITAL RANKINGS



PEER GROUPS RANKINGS

EUROPE - MIDDLE EAST - AFRICA (40 countries)



POPULATIONS < 20 MILLION (36 countries)



NORWAY

▶ Overall Top Strengths

▷ Overall Top Weaknesses

KNOWLEDGE

Sub-Factors	2018	2019	2020	2021	2022
Talent	20	16	16	16	18
Training & education	11	17	10	11	14
Scientific concentration	20	21	23	22	22

Talent	Rank	Training & education	Rank	Scientific concentration	Rank
Educational assessment PISA - Math	18	Employee training	12	Total expenditure on R&D (%)	17
International experience	21	Total public expenditure on education	14	Total R&D personnel per capita	10
Foreign highly-skilled personnel	14	Higher education achievement	20	Female researchers	25
Management of cities	24	Pupil-teacher ratio (tertiary education)	05	▷ R&D productivity by publication	42
Digital/Technological skills	08	▷ Graduates in Sciences	43	Scientific and technical employment	22
▷ Net flow of international students	48	Women with degrees	16	High-tech patent grants	29
				Robots in Education and R&D	31

TECHNOLOGY

Sub-Factors	2018	2019	2020	2021	2022
Regulatory framework	01	03	02	01	04
Capital	02	07	09	06	04
Technological framework	03	06	09	12	14

Regulatory framework	Rank	Capital	Rank	Technological framework	Rank
Starting a business	14	IT & media stock market capitalization	23	Communications technology	25
▶ Enforcing contracts	03	Funding for technological development	10	Mobile Broadband subscribers	20
Immigration laws	12	▶ Banking and financial services	04	Wireless broadband	34
Development & application of tech.	19	▶ Country credit rating	01	Internet users	06
Scientific research legislation	18	Venture capital	05	Internet bandwidth speed	16
Intellectual property rights	11	Investment in Telecommunications	33	High-tech exports (%)	17

FUTURE READINESS

Sub-Factors	2018	2019	2020	2021	2022
Adaptive attitudes	08	05	07	08	06
Business agility	14	23	08	11	13
IT integration	09	09	06	08	12

Adaptive attitudes	Rank	Business agility	Rank	IT integration	Rank
E-Participation	18	Opportunities and threats	10	E-Government	13
Internet retailing	06	▷ World robots distribution	40	Public-private partnerships	16
▶ Tablet possession	03	Agility of companies	13	Cyber security	18
Smartphone possession	12	Use of big data and analytics	07	Software piracy	10
Attitudes toward globalization	31	Knowledge transfer	09	▷ Government cyber security capacity	44
		Entrepreneurial fear of failure	15	▶ Privacy protection by law content	05