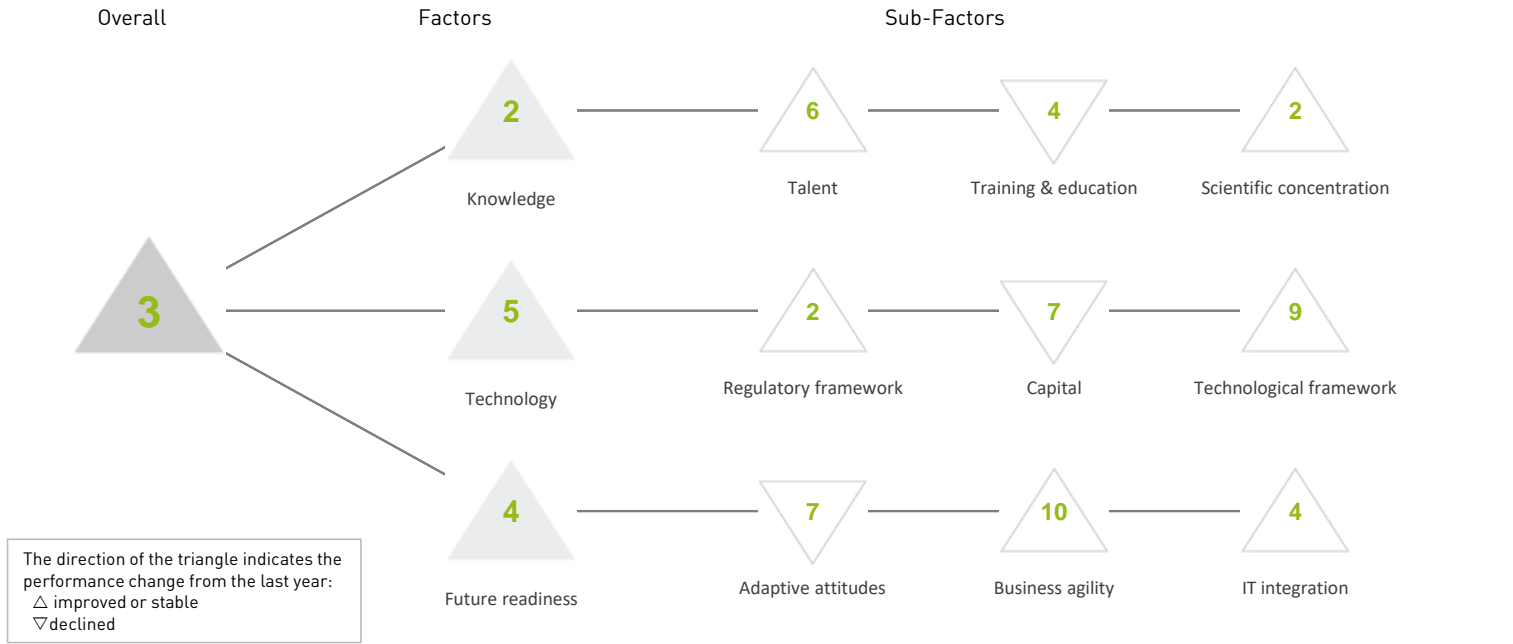


SWEDEN

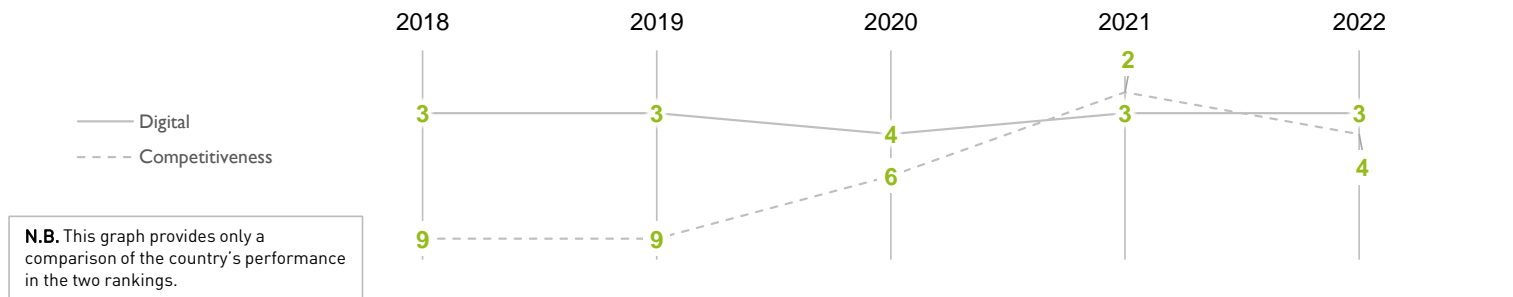
OVERALL PERFORMANCE (63 countries)



OVERALL & FACTORS - 5 years

	2018	2019	2020	2021	2022
OVERALL	03	03	04	03	03
Knowledge	07	04	04	02	02
Technology	05	07	06	08	05
Future readiness	05	06	07	06	04

COMPETITIVENESS & DIGITAL RANKINGS



PEER GROUPS RANKINGS

EUROPE - MIDDLE EAST - AFRICA (40 countries)



POPULATIONS < 20 MILLION (36 countries)



SWEDEN

► Overall Top Strengths

▷ Overall Top Weaknesses

KNOWLEDGE

Sub-Factors	2018	2019	2020	2021	2022
Talent	10	08	09	07	06
Training & education	05	02	02	02	04
Scientific concentration	03	03	06	04	02

Talent	Rank
Educational assessment PISA - Math	16
International experience	03
Foreign highly-skilled personnel	17
Management of cities	11
Digital/Technological skills	04
Net flow of international students	22

Training & education	Rank
Employee training	07
Total public expenditure on education	05
Higher education achievement	22
Pupil-teacher ratio (tertiary education)	20
Graduates in Sciences	19
Women with degrees	13

Scientific concentration	Rank
Total expenditure on R&D (%)	04
Total R&D personnel per capita	08
▷ Female researchers	39
▷ R&D productivity by publication	38
► Scientific and technical employment	02
High-tech patent grants	08
Robots in Education and R&D	20

TECHNOLOGY

Sub-Factors	2018	2019	2020	2021	2022
Regulatory framework	12	05	05	03	02
Capital	10	04	04	05	07
Technological framework	07	12	11	13	09

Regulatory framework	Rank
Starting a business	23
Enforcing contracts	30
Immigration laws	17
Development & application of tech.	03
► Scientific research legislation	02
Intellectual property rights	04

Capital	Rank
IT & media stock market capitalization	25
Funding for technological development	05
Banking and financial services	03
► Country credit rating	01
► Venture capital	01
▷ Investment in Telecommunications	49

Technological framework	Rank
Communications technology	04
Mobile Broadband subscribers	13
Wireless broadband	24
Internet users	09
Internet bandwidth speed	10
▷ High-tech exports (%)	30

FUTURE READINESS

Sub-Factors	2018	2019	2020	2021	2022
Adaptive attitudes	09	08	08	05	07
Business agility	10	13	10	13	10
IT integration	11	12	04	05	04

Adaptive attitudes	Rank
E-Participation	34
Internet retailing	11
Tablet possession	04
Smartphone possession	29
► Attitudes toward globalization	01

Business agility	Rank
Opportunities and threats	07
World robots distribution	21
Agility of companies	07
Use of big data and analytics	14
Knowledge transfer	03
▷ Entrepreneurial fear of failure	22

IT integration	Rank
E-Government	06
Public-private partnerships	11
Cyber security	13
Software piracy	06
Government cyber security capacity	17
Privacy protection by law content	06