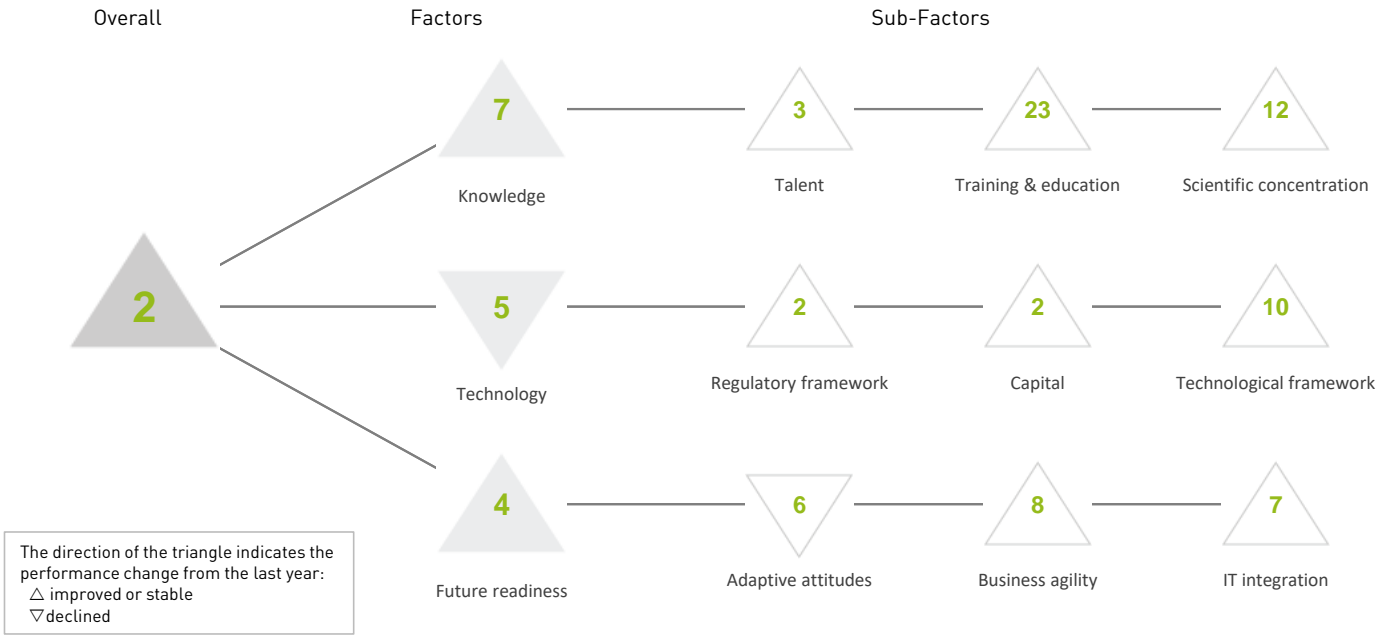


NETHERLANDS

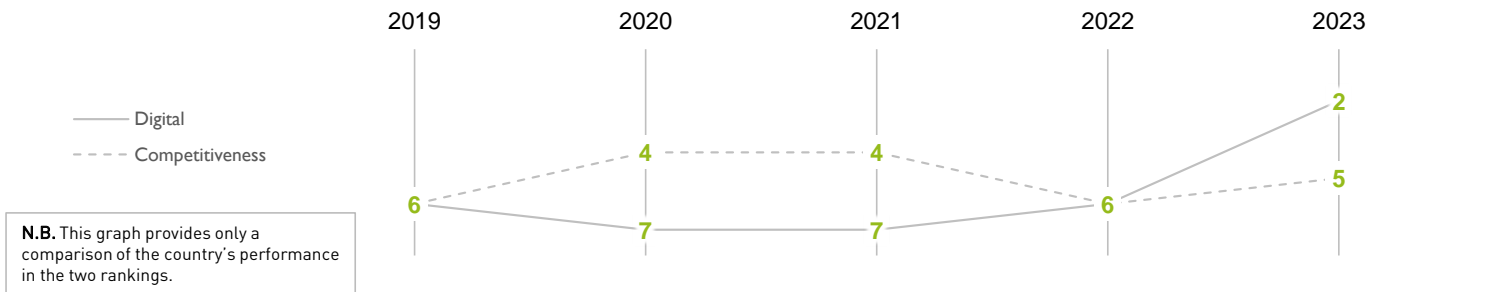
OVERALL PERFORMANCE (64 countries)



OVERALL & FACTORS - 5 years

	2019	2020	2021	2022	2023
OVERALL	06	07	07	06	02
Knowledge	13	14	11	08	07
Technology	06	08	07	04	05
Future readiness	03	04	04	05	04

COMPETITIVENESS & DIGITAL RANKINGS



PEER GROUPS RANKINGS

EUROPE - MIDDLE EAST - AFRICA (41 countries)



POPULATIONS < 20 MILLION (37 countries)



NETHERLANDS

► Overall Top Strengths

▷ Overall Top Weaknesses

KNOWLEDGE

Sub-Factors	2019	2020	2021	2022	2023
Talent	03	03	04	04	03
Training & education	36	29	28	25	23
Scientific concentration	19	16	16	12	12

Talent	Rank
Educational assessment PISA - Math	08
International experience	03
► Foreign highly skilled personnel	02
Management of cities	11
Digital/Technological skills	05
Net flow of international students	06

Training & education	Rank
Employee training	06
Total public expenditure on education	22
Higher education achievement	16
Pupil-teacher ratio (tertiary education)	24
▷ Graduates in Sciences	51
Women with degrees	28

Scientific concentration	Rank
Total expenditure on R&D (%)	16
Total R&D personnel per capita	09
▷ Female researchers	47
R&D productivity by publication	27
Scientific and technical employment	03
High-tech patent grants	12
Robots in Education and R&D	23

TECHNOLOGY

Sub-Factors	2019	2020	2021	2022	2023
Regulatory framework	06	11	07	07	02
Capital	05	02	03	03	02
Technological framework	10	12	10	10	10

Regulatory framework	Rank
Starting a business	13
▷ Enforcing contracts	45
Immigration laws	07
Development & application of tech.	08
Scientific research legislation	04
► Intellectual property rights	02

Capital	Rank
► IT & media stock market capitalization	02
Funding for technological development	08
Banking and financial services	16
► Country credit rating	01
Venture capital	04
▷ Investment in Telecommunications	45

Technological framework	Rank
► Communications technology	02
Mobile broadband subscribers	17
Wireless broadband	35
Internet users	14
Internet bandwidth speed	16
High-tech exports (%)	16

FUTURE READINESS

Sub-Factors	2019	2020	2021	2022	2023
Adaptive attitudes	09	06	06	02	06
Business agility	07	07	08	08	08
IT integration	03	05	06	09	07

Adaptive attitudes	Rank
E-Participation	05
Internet retailing	09
Tablet possession	11
Smartphone possession	25
Attitudes toward globalization	11

Business agility	Rank
Opportunities and threats	09
World robots distribution	20
Agility of companies	10
Use of big data and analytics	13
Knowledge transfer	03
Entrepreneurial fear of failure	11

IT integration	Rank
E-Government	09
Public-private partnerships	05
Cyber security	12
Software piracy	13
▷ Government cyber security capacity	41
Privacy protection by law content	07