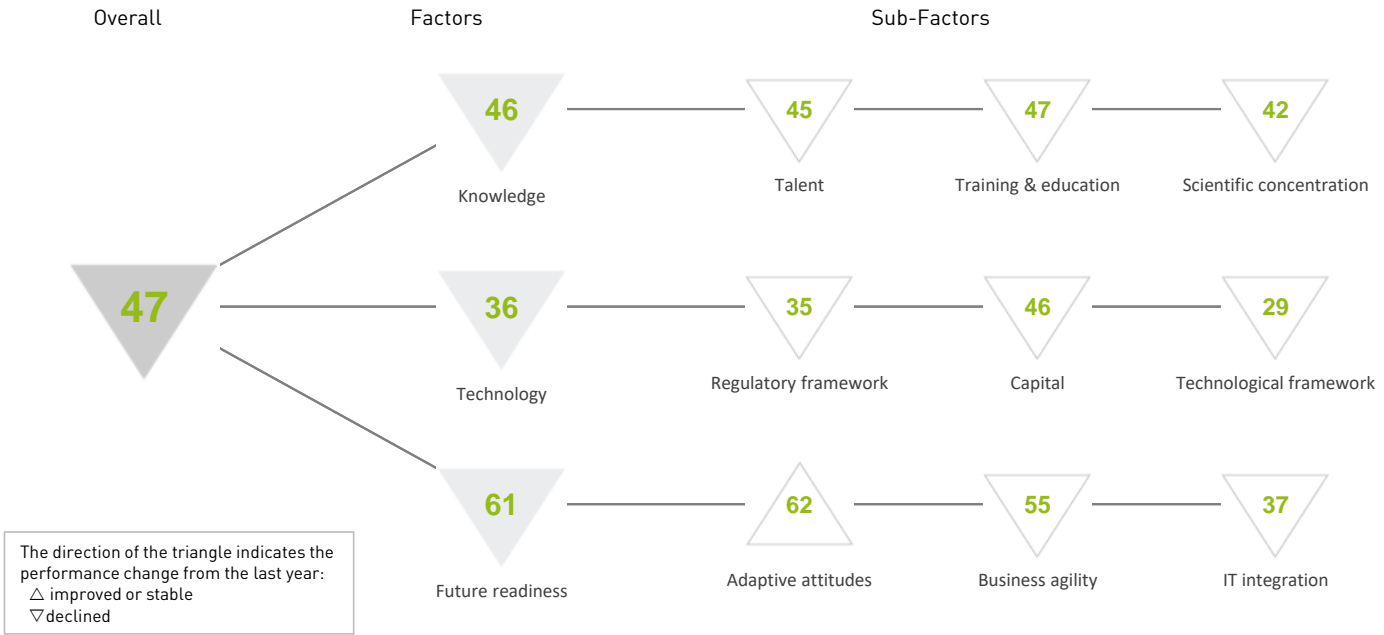


# HUNGARY

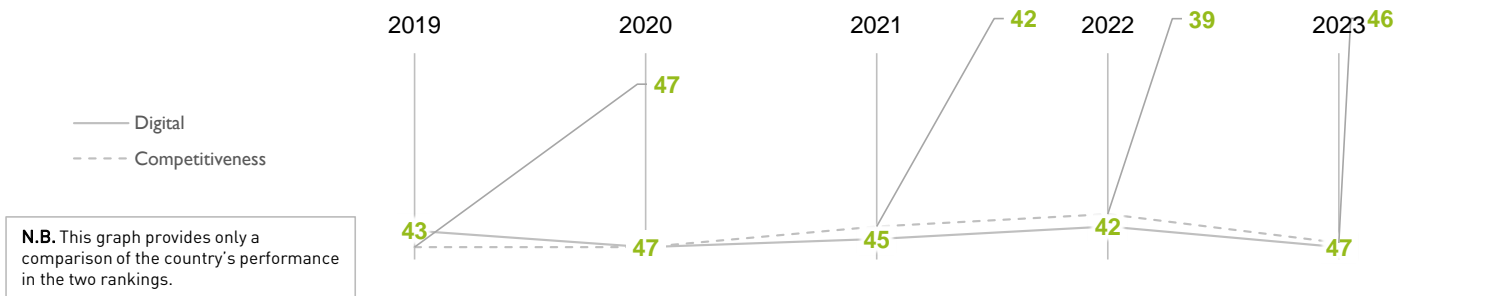
## OVERALL PERFORMANCE (64 countries)



## OVERALL & FACTORS - 5 years

	2019	2020	2021	2022	2023
OVERALL	43	47	45	42	47
Knowledge	44	44	43	43	46
Technology	36	39	36	31	36
Future readiness	57	60	61	57	61

## COMPETITIVENESS & DIGITAL RANKINGS



## PEER GROUPS RANKINGS

### EUROPE - MIDDLE EAST - AFRICA (41 countries)



### POPULATIONS < 20 MILLION (37 countries)



## HUNGARY

► Overall Top Strengths

▷ Overall Top Weaknesses

## KNOWLEDGE

Sub-Factors	2019	2020	2021	2022	2023
Talent	47	44	43	40	45
Training & education	43	45	47	44	47
Scientific concentration	45	44	42	38	42

Talent	Rank	Training & education	Rank	Scientific concentration	Rank
Educational assessment PISA - Math	34	Employee training	59	Total expenditure on R&D (%)	25
International experience	43	Total public expenditure on education	30	Total R&D personnel per capita	27
Foreign highly skilled personnel	55	Higher education achievement	48	Female researchers	48
Management of cities	41	► Pupil-teacher ratio (tertiary education)	15	R&D productivity by publication	46
▷ Digital/Technological skills	60	Graduates in Sciences	57	Scientific and technical employment	30
► Net flow of international students	17	Women with degrees	38	High-tech patent grants	39
				Robots in Education and R&D	31

## TECHNOLOGY

Sub-Factors	2019	2020	2021	2022	2023
Regulatory framework	35	39	36	26	35
Capital	46	46	45	42	46
Technological framework	19	24	21	19	29

Regulatory framework	Rank	Capital	Rank	Technological framework	Rank
Starting a business	38	IT & media stock market capitalization	31	Communications technology	39
Enforcing contracts	21	Funding for technological development	41	► Mobile broadband subscribers	13
► Immigration laws	15	Banking and financial services	46	Wireless broadband	49
Development & application of tech.	43	Country credit rating	48	Internet users	35
Scientific research legislation	40	Venture capital	54	Internet bandwidth speed	24
Intellectual property rights	40	Investment in Telecommunications	31	High-tech exports (%)	26

## FUTURE READINESS

Sub-Factors	2019	2020	2021	2022	2023
Adaptive attitudes	62	62	62	62	62
Business agility	53	59	62	48	55
IT integration	37	41	42	35	37

Adaptive attitudes	Rank	Business agility	Rank	IT integration	Rank
E-Participation	55	▷ Opportunities and threats	60	E-Government	44
Internet retailing	41	World robots distribution	25	Public-private partnerships	47
Tablet possession	52	▷ Agility of companies	60	Cyber security	48
▷ Smartphone possession	59	Use of big data and analytics	59	Software piracy	27
▷ Attitudes toward globalization	63	Knowledge transfer	52	Government cyber security capacity	25
		► Entrepreneurial fear of failure	09	Privacy protection by law content	28