

COUNTRY
PROFILE

KAZAKHSTAN



WORLD COMPETITIVENESS RANKING **2022**

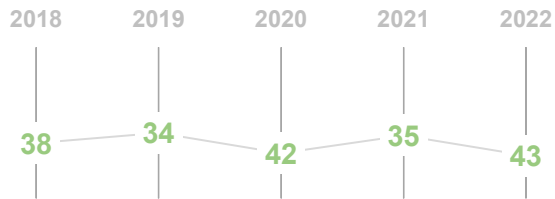
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Kazakhstan

Competitiveness Trends – Overall

OVERALL PERFORMANCE (63 countries)



CHALLENGES IN 2022

- Political transformation.
- Increase in household incomes and reduction of inequality.
- Strengthening human rights institutions.
- Provision of food security.
- Decentralization of local self-government.

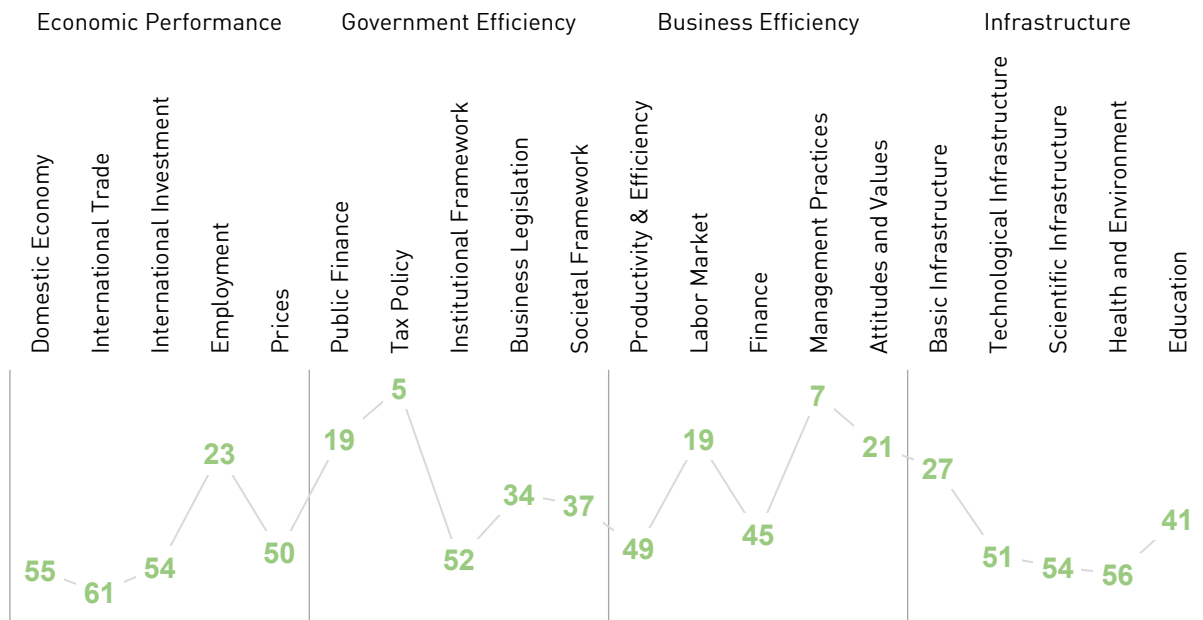
BASIC FACTS

Rank

Capital	Nur-Sultan	
Land area (square km '000)	2,725	2021
Exchange Rate (per \$)	425.908	2021
Population - market size (millions)	19.00	30
Gross Domestic Product (GDP) (US\$ billions)	190.8	46
GDP (PPP) per capita (US\$)	28,570	46
Real GDP growth (%)	4.0	45
Consumer price inflation (%)	8.00	59
Unemployment rate (%)	4.90	21
Labor force (millions)	9.26	29
Current account balance (% of GDP)	-2.97	54
Direct investment stocks inward (\$bn)	151.4	36
Direct investment flows inward (% of GDP)	4.33	11

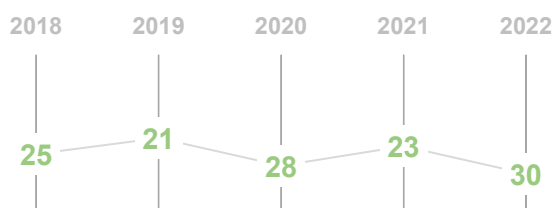
PROVIDED BY: Economic Research Institute, JSC of the Ministry of National Economy of the Republic of Kazakhstan, Nur-Sultan

COMPETITIVENESS LANDSCAPE

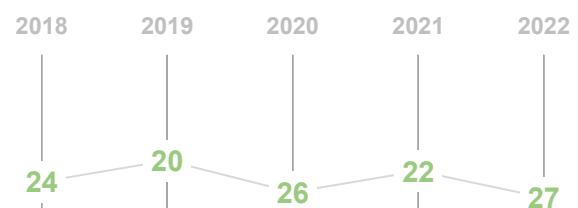


PEER GROUPS RANKINGS

EUROPE - MIDDLE EAST - AFRICA (40 countries)



POPULATIONS < 20 MILLION (36 countries)



Kazakhstan

Competitiveness Evolution & Attractiveness Indicators

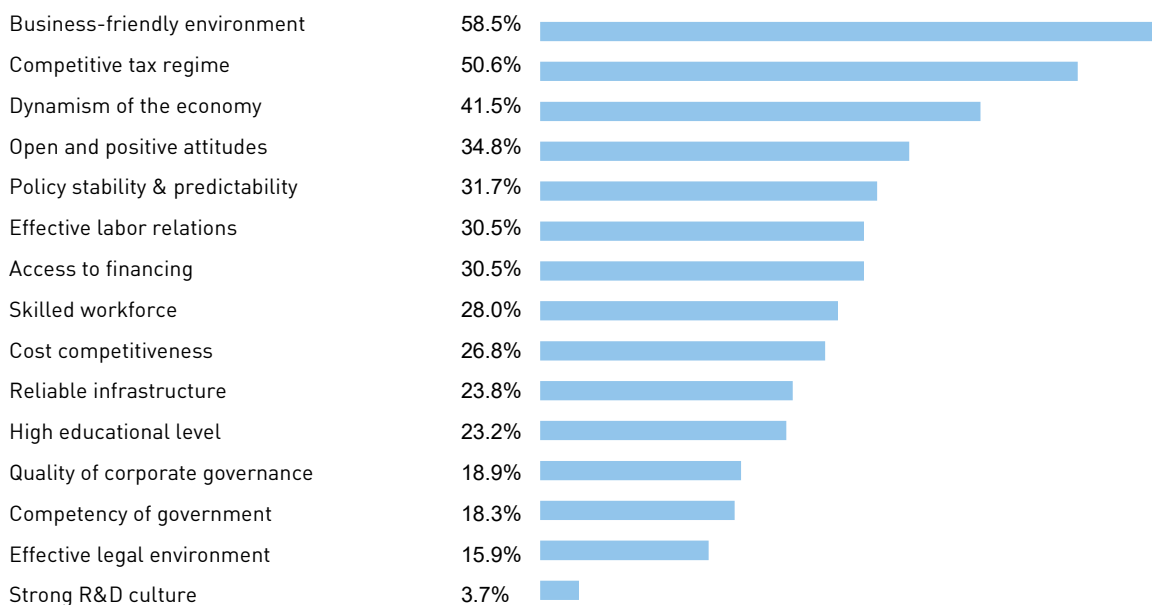
COMPETITIVENESS EVOLUTION

The criteria below highlight the 15 biggest Improvements and the 15 biggest Declines in the overall performance of the economy. They are determined by the largest percentage changes in the value of each criterion from one yearbook to the next.

IMPROVEMENTS	WCY 2021	WCY 2022	DECLINES	WCY 2021	WCY 2022
4.3.18 Number of patents in force	1.3	11.2	1.1.13 Economic complexity index	-0.04	-0.14
1.1.14 Real GDP growth	-2.6	4.0	1.1.18 Gross fixed capital formation - real growth	13.76	-0.20
1.1.15 Real GDP growth per capita	-4.49	2.68	1.2.25 Tourism receipts	1.36	0.34
4.5.01 Total public expenditure on education	2.6	4.8	4.4.13 Safely treated waste water	79.7	35.7
3.4.14 Total early-stage Entrepreneurial Activity	11.32	19.91	4.1.07 Population - growth	1.96	1.32
4.3.16 Patent applications per capita	4.87	8.25	2.3.13 Bribery and corruption	5.59	4.41
4.5.09 Student mobility inbound	0.79	1.23	4.5.05 Pupil-teacher ratio [secondary education]	6.96	8.28
3.3.10 Stock market capitalization [%]	22.94	35.35	1.5.01 Consumer price inflation	6.80	8.00
2.1.02 Government budget surplus/deficit [%]	-7.09	-4.10	1.5.06 Gasoline prices	0.41	0.48
2.4.12 New business density	2.0	2.8	3.2.21 Brain drain	4.31	3.64
2.5.02 Homicide	5.06	3.23	2.5.04 Risk of political instability	5.68	4.82
3.4.13 Entrepreneurial fear of failure	18.37	12.08	2.4.09 State ownership of enterprises	5.80	4.93
1.2.08 Exports of goods (\$bn)	46.45	60.63	2.3.10 Adaptability of government policy	5.78	4.98
2.2.01 Collected total tax revenues	17.34	12.12	2.5.01 Justice	5.76	4.96
1.4.04 Employment - long-term growth	-4.22	-3.12	2.4.05 Capital markets	5.41	4.66

KEY ATTRACTIVENESS INDICATORS

From a list of 15 indicators, respondents of the Executive Opinion Survey were asked to select 5 that they perceived as the key attractiveness factors of their economy. The chart shows the percentage of responses per indicator from the highest number of responses to the lowest.



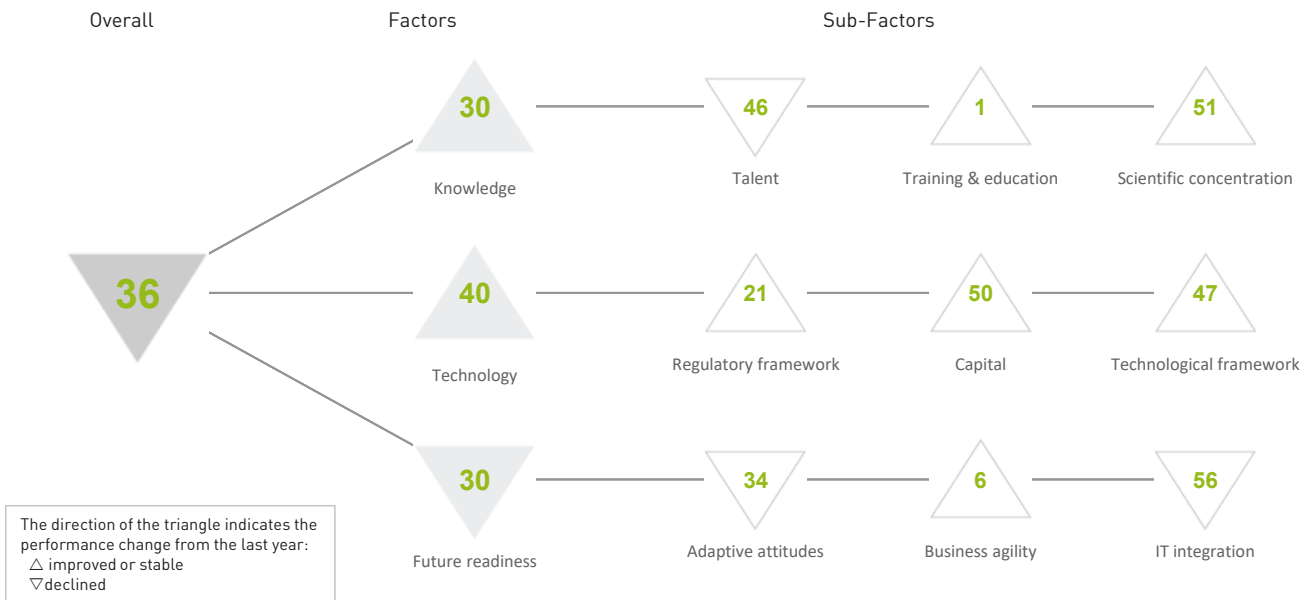
WORLD COMPETITIVENESS DIGITAL RANKING **2022**

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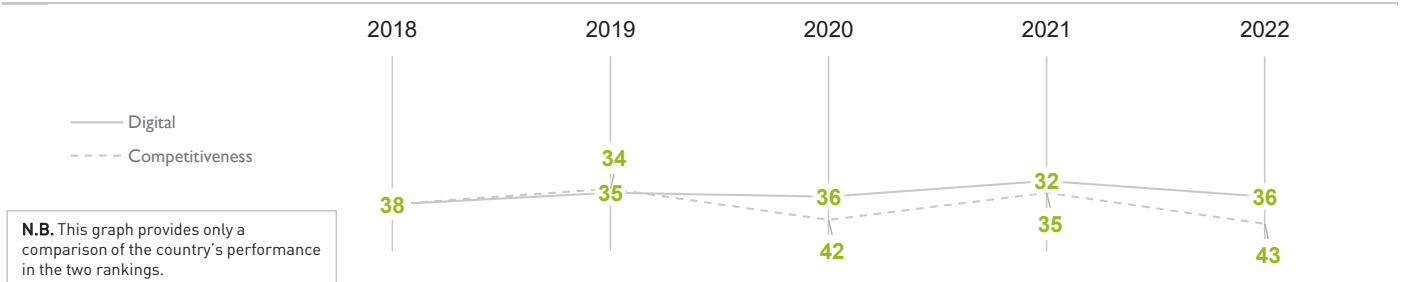
OVERALL PERFORMANCE (63 countries)



OVERALL & FACTORS - 5 years

	2018	2019	2020	2021	2022
OVERALL	38	35	36	32	36
Knowledge	35	32	34	36	30
Technology	39	39	41	40	40
Future readiness	40	35	33	28	30

COMPETITIVENESS & DIGITAL RANKINGS



PEER GROUPS RANKINGS

EUROPE - MIDDLE EAST - AFRICA (40 countries)



POPULATIONS < 20 MILLION (36 countries)



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▶ Overall Top Strengths

▷ Overall Top Weaknesses

KNOWLEDGE

Sub-Factors	2018	2019	2020	2021	2022
Talent	44	39	49	45	46
Training & education	06	01	04	14	01
Scientific concentration	55	55	54	54	51

Talent	Rank	Training & education	Rank	Scientific concentration	Rank
Educational assessment PISA - Math	45	Employee training	13	▷ Total expenditure on R&D (%)	58
International experience	32	Total public expenditure on education	33	Total R&D personnel per capita	47
Foreign highly-skilled personnel	29	▶ Higher education achievement	01	▶ Female researchers	03
Management of cities	37	Pupil-teacher ratio (tertiary education)	33	R&D productivity by publication	19
Digital/Technological skills	43	Graduates in Sciences	29	Scientific and technical employment	53
▷ Net flow of international students	58	▶ Women with degrees	02	High-tech patent grants	52
				Robots in Education and R&D	-

TECHNOLOGY

Sub-Factors	2018	2019	2020	2021	2022
Regulatory framework	22	16	23	22	21
Capital	59	54	55	51	50
Technological framework	42	43	48	47	47

Regulatory framework	Rank	Capital	Rank	Technological framework	Rank
Starting a business	11	IT & media stock market capitalization	-	Communications technology	44
▶ Enforcing contracts	04	Funding for technological development	26	Mobile Broadband subscribers	48
Immigration laws	28	Banking and financial services	39	Wireless broadband	56
Development & application of tech.	28	Country credit rating	49	Internet users	42
Scientific research legislation	38	Venture capital	36	Internet bandwidth speed	53
Intellectual property rights	42	▷ Investment in Telecommunications	61	High-tech exports (%)	07

FUTURE READINESS

Sub-Factors	2018	2019	2020	2021	2022
Adaptive attitudes	47	39	33	32	34
Business agility	43	15	13	06	06
IT integration	44	46	46	44	56

Adaptive attitudes	Rank	Business agility	Rank	IT integration	Rank
E-Participation	25	Opportunities and threats	21	E-Government	27
Internet retailing	49	World robots distribution	-	Public-private partnerships	33
Tablet possession	41	Agility of companies	35	Cyber security	41
Smartphone possession	34	Use of big data and analytics	09	▷ Software piracy	59
Attitudes toward globalization	30	Knowledge transfer	32	Government cyber security capacity	39
		▶ Entrepreneurial fear of failure	01	▷ Privacy protection by law content	58

WORLD TALENT RANKING **2022**

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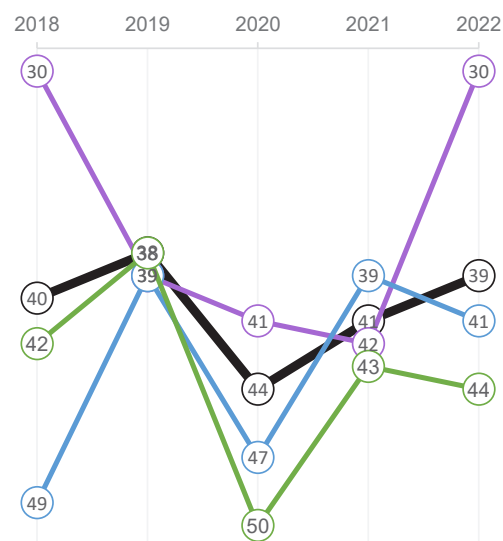
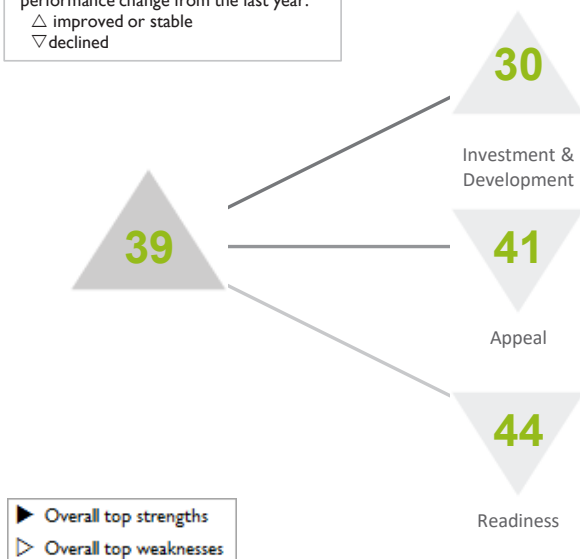
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OVERALL PERFORMANCE (63 countries)

The direction of the triangle indicates the performance change from the last year:

- △ improved or stable
- ▽ declined



INVESTMENT & DEVELOPMENT

		Value	2022 Rank
Total public expenditure on education	Percentage of GDP	4.8 %	36
▷ Total public exp. on education per student	Spending per enrolled pupil/student, all levels	1,538 US\$	51
Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	16.80 ratio	44
▶ Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	8.28 ratio	2
Apprenticeships	are sufficiently implemented	5.60 Survey [0..10]	23
▶ Employee training	is a high priority in companies	6.66 Survey [0..10]	13
▶ Female labor force	Percentage of total labor force	48.61 %	8
Health infrastructure	meets the needs of society	4.92 Survey [0..10]	43

APPEAL

		Value	2022 Rank
▶ Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	50.90 index	2
Attracting and retaining talents	is a priority in companies	6.64 Survey [0..10]	37
Worker motivation	in companies is high	5.80 Survey [0..10]	34
Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	3.64 Survey [0..10]	49
▷ Quality of life	is high	5.11 Survey [0..10]	51
Foreign highly-skilled personnel	are attracted to your country's business environment	5.68 Survey [0..10]	29
▷ Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	6,244 US\$	58
▷ Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	16,000 US\$	61
▶ Collected personal income tax	On profits, income and capital gains, as a percentage of GDP	1.32 %	8
Justice	is fairly administered	4.96 Survey [0..10]	43
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	21.05 micrograms	45

READINESS

		Value	2022 Rank
Labor force growth	Percentage change	0.83 %	33
Skilled labor	is readily available	5.82 Survey [0..10]	23
Finance skills	are readily available	6.74 Survey [0..10]	18
International experience	of senior managers is generally significant	5.58 Survey [0..10]	32
Competent senior managers	are readily available	6.05 Survey [0..10]	24
Primary and secondary education	meets the needs of a competitive economy	5.41 Survey [0..10]	46
Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	24.06 %	29
University education	meets the needs of a competitive economy	5.04 Survey [0..10]	50
Management education	meets the needs of the business community	5.44 Survey [0..10]	48
Language skills	are meeting the needs of enterprises	5.29 Survey [0..10]	47
Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	2.17 number	39
▷ Educational assessment - PISA	PISA survey of 15-year olds	402 Average	51

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