



IMD World Competitiveness Yearbook 2021, Digital 2020, Talent 2020: summaries

COUNTRY
PROFILE

SWITZERLAND



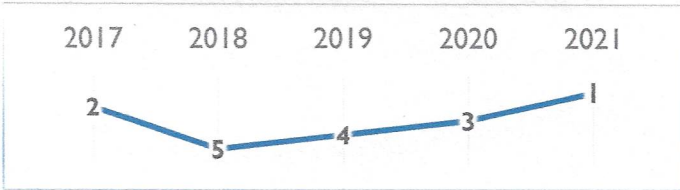
WORLD COMPETITIVENESS RANKING **2021**

All data are available from the
World Competitiveness Online.

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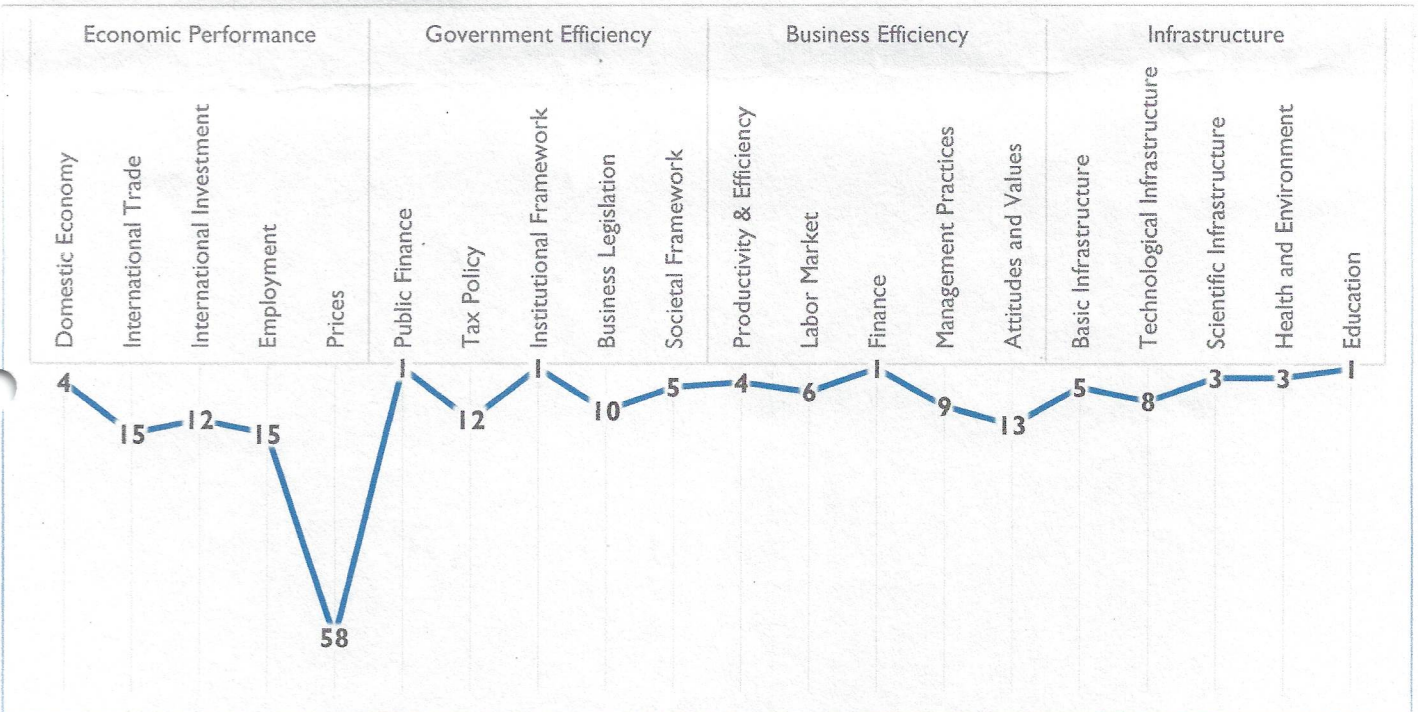
OVERALL PERFORMANCE (64 countries)



BASIC FACTS

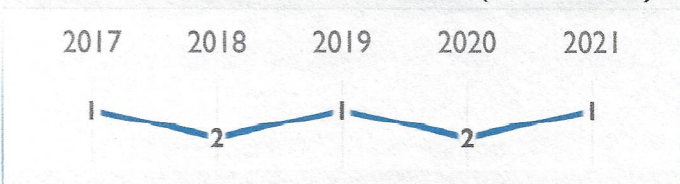
		Rank
Capital	Bern	
Land area (square km '000)	41 ²⁰²⁰	
Exchange Rate (per \$)	0.939 ²⁰²⁰	
Population - market size (millions)	8.61 ²⁰²⁰	44
Gross Domestic Product (GDP) (US\$ billions)	747.5 ²⁰²⁰	18
GDP (PPP) per capita (US\$)	72,874 ²⁰²⁰	5
Real GDP growth (%)	-3.0 ²⁰²⁰	19
Consumer price inflation (%)	-0.73 ²⁰²⁰	7
Unemployment rate (%)	4.82 ²⁰²⁰	20
Labor force (millions)	4.93 ²⁰²⁰	39
Current account balance (% of GDP)	3.81 ²⁰²⁰	18
Direct investment stocks inward (\$bn)	1,350.7 ²⁰¹⁹	7
Direct investment flows inward (% of GDP)	5.10 ²⁰¹⁹	8

COMPETITIVENESS LANDSCAPE

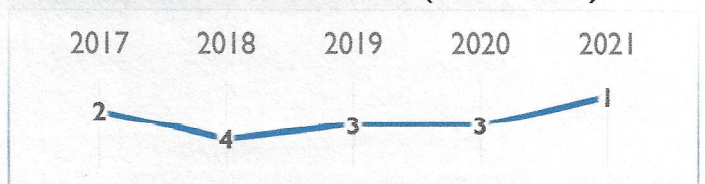


PEER GROUPS RANKINGS

EUROPE - MIDDLE EAST - AFRICA (41 countries)



POPULATIONS < 20 MILLION (35 countries)



SWITZERLAND

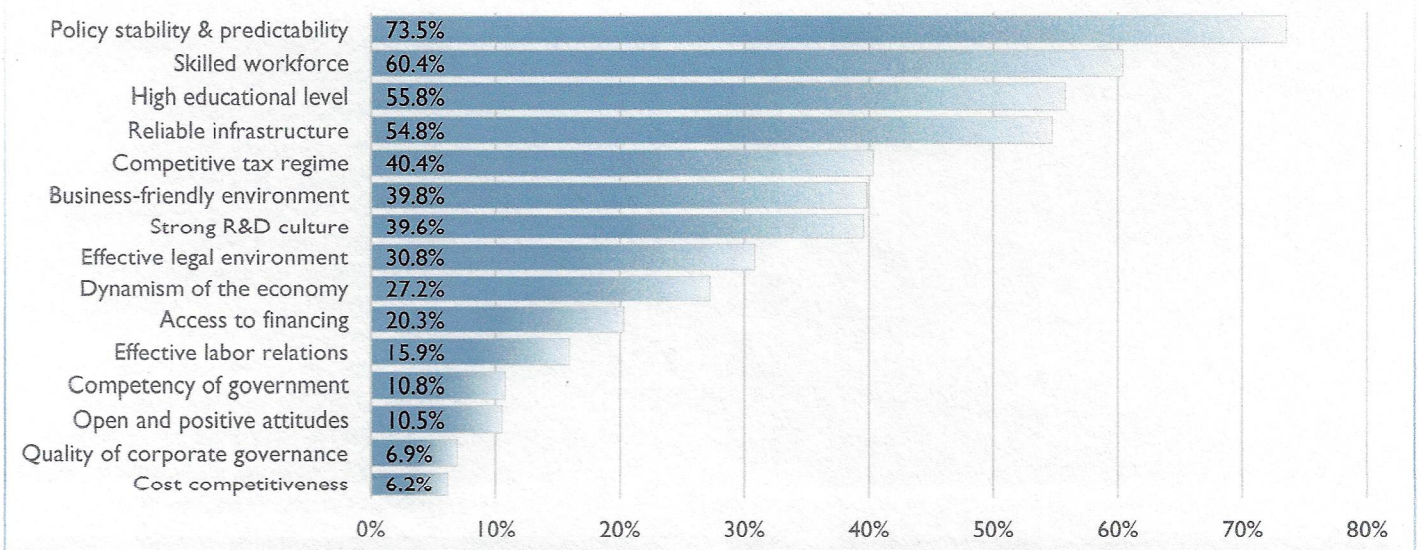
COMPETITIVENESS EVOLUTION

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	WCY	DECLINES	WCY	WCY
	2020	2021		2020	2021
1.5.01 Consumer price inflation	0.36	-0.73	1.4.04 Employment - long-term growth	-0.04	-1.31
2.3.07 Foreign currency reserves per capita	100,036	125,898	1.1.15 Real GDP growth per capita	0.21	-3.56
4.3.18 Number of patents in force	2,693.5	3,386.7	2.3.08 Exchange rate stability	0.006	0.056
4.5.03 Total public exp. on education per student	21,689	24,324	1.1.18 Gross fixed capital formation - real growth	0.53	-1.71
1.1.09 Gross fixed capital formation (%)	24.1	26.0	1.1.14 Real GDP growth	0.9	-3.0
4.5.01 Total public expenditure on education	5.0	5.4	2.1.02 Government budget surplus/deficit (%)	1.39	-2.59
1.5.02 Cost-of-living index	111.60	103.20	3.2.14 Labor force long-term growth	-0.46	-1.42
1.5.06 Gasoline prices	1.64	1.52	1.2.02 Current account balance	12.25	3.81
3.4.01 Agility of companies	6.70	7.13	1.5.04 Office rent	938	1,130
2.5.13 Unemployment rate - gender ratio	1.15	1.07	1.2.13 Exports of commercial services (%)	17.30	14.59
4.2.07 Internet users	854	906	1.1.13 Economic complexity index	2.24	2.00
3.3.16 Credit	7.39	7.82	2.5.02 Homicide	0.53	0.59
4.2.18 Cyber security	7.04	7.44	1.2.12 Exports of commercial services (\$bn)	121.62	109.04
3.4.03 Opportunities and threats	6.70	7.07	2.1.04 Total general government debt (%)	39.12	42.95
3.4.09 Entrepreneurship	6.35	6.70	1.4.07 Unemployment rate	4.39	4.82

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.



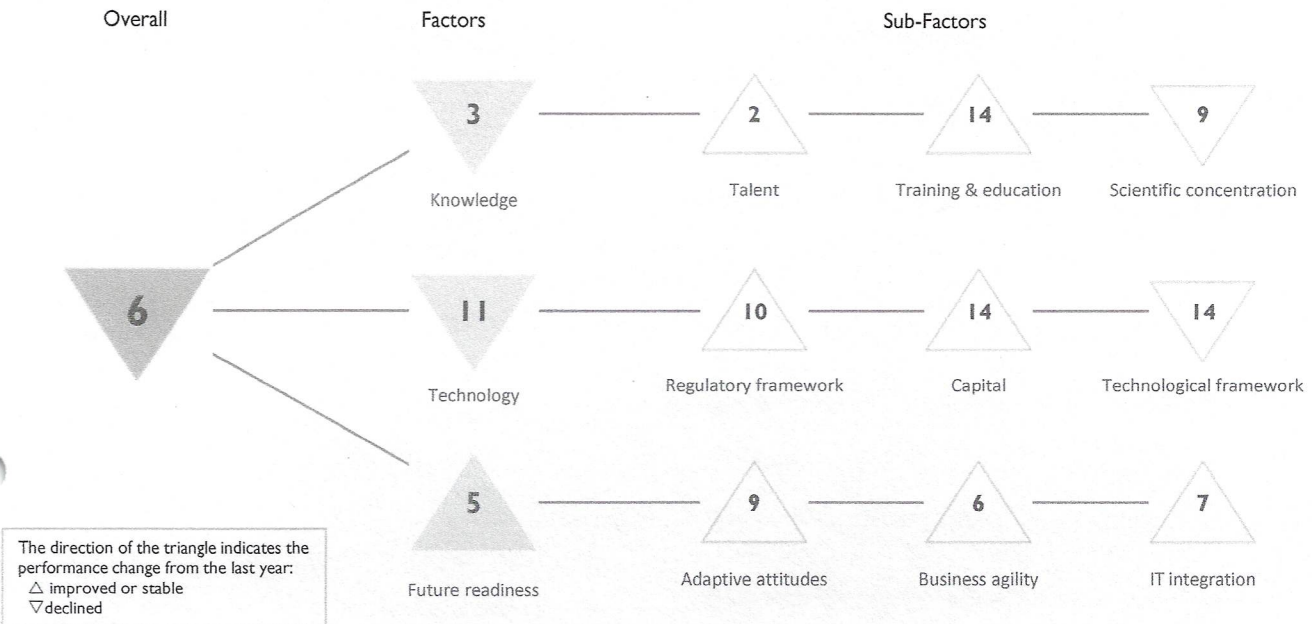
WORLD COMPETITIVENESS DIGITAL RANKING **2020**

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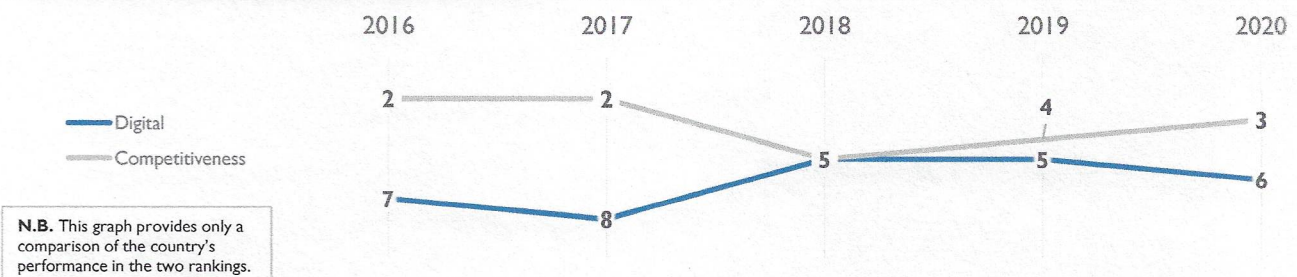
OVERALL PERFORMANCE (63 countries)



OVERALL & FACTORS - 5 years

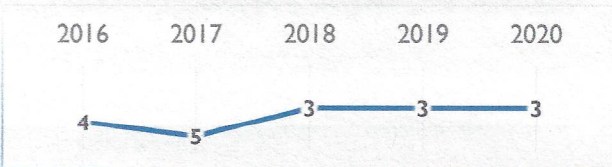
	2016	2017	2018	2019	2020
OVERALL	7	8	5	5	6
Knowledge	3	4	6	2	3
Technology	9	8	9	10	11
Future readiness	10	13	10	10	5

COMPETITIVENESS & DIGITAL RANKINGS

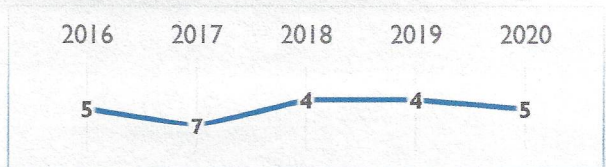


PEER GROUPS RANKINGS

EUROPE - MIDDLE EAST - AFRICA (40 countries)



POPULATIONS < 20 MILLION (34 countries)



SWITZERLAND

► Overall top strengths

▷ Overall top weaknesses

KNOWLEDGE

Subfactors	2016	2017	2018	2019	2020
Talent	2	2	2	2	2
Training & education	18	25	15	15	14
Scientific concentration	13	13	6	7	9

Talent	Rank
Educational assessment PISA - Math	10
► International experience	1
► Foreign highly-skilled personnel	1
Management of cities	6
Digital/Technological skills	16
Net flow of international students	8

Training & education	Rank
Employee training	6
Total public expenditure on education	24
Higher education achievement	15
▷ Pupil-teacher ratio (tertiary education)	6
Graduates in Sciences	30
Women with degrees	28

Scientific concentration	Rank
Total expenditure on R&D (%)	3
Total R&D personnel per capita	4
▷ Female researchers	34
▷ R&D productivity by publication	38
Scientific and technical employment	4
High-tech patent grants	32
Robots in Education and R&D	15

TECHNOLOGY

Subfactors	2016	2017	2018	2019	2020
Regulatory framework	10	13	15	14	10
Capital	12	11	15	16	14
Technological framework	9	10	8	9	14

Regulatory framework	Rank
▷ Starting a business	37
▷ Enforcing contracts	41
Immigration laws	18
Development & application of tech.	6
► Scientific research legislation	1
Intellectual property rights	2

Capital	Rank
▷ IT & media stock market capitalization	43
Funding for technological development	9
Banking and financial services	12
► Country credit rating	1
Venture capital	15
Investment in Telecommunications	23

Technological framework	Rank
Communications technology	11
Mobile Broadband subscribers	14
Wireless broadband	34
Internet users	21
Internet bandwidth speed	3
High-tech exports (%)	30

FUTURE READINESS

Subfactors	2016	2017	2018	2019	2020
Adaptive attitudes	21	23	12	11	9
Business agility	3	4	7	14	6
IT integration	14	13	16	7	7

Adaptive attitudes	Rank
E-Participation	18
Internet retailing	9
Tablet possession	9
Smartphone possession	3
Attitudes toward globalization	26

Business agility	Rank
Opportunities and threats	15
World robots distribution	26
Agility of companies	17
Use of big data and analytics	25
► Knowledge transfer	1
Entrepreneurial fear of failure	2

IT integration	Rank
E-Government	16
Public-private partnerships	9
Cyber security	10
Software piracy	10

WORLD TALENT RANKING **2020**

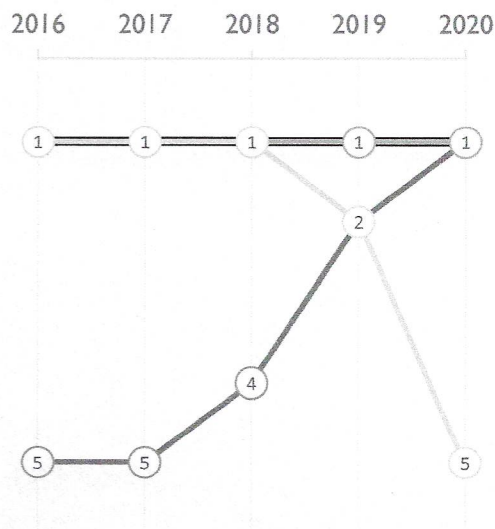
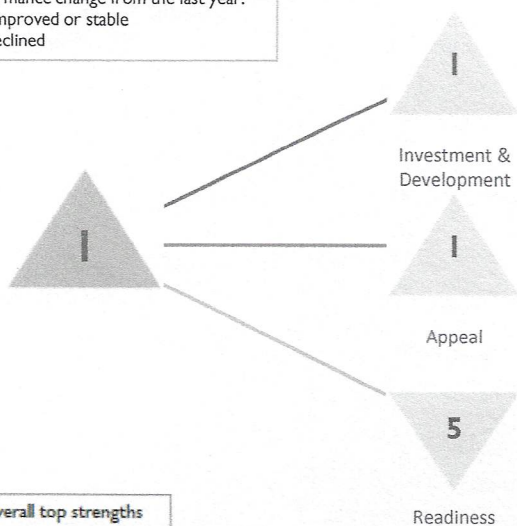
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OVERALL PERFORMANCE (63 countries)

The direction of the triangle indicates the performance change from the last year:
 ▲ improved or stable
 ▼ declined



- ▶ Overall top strengths
- ▽ Overall top weaknesses

Investment & Development

		Value	2020 Rank
Total public expenditure on education	Percentage of GDP	5.6 %	13
Total public exp. on education per student	Spending per enrolled pupil/student, all levels	24,292 US\$	2
Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	15.22 ratio	31
Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	11.91 ratio	30
▶ Apprenticeships	are sufficiently implemented	8.86 Survey [0..10]	1
Employee training	is a high priority in companies	7.31 Survey [0..10]	6
Female labor force	Percentage of total labor force	46.88 %	21
Health infrastructure	meets the needs of society	8.91 Survey [0..10]	2

Appeal

		Value	2020 Rank
▷ Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	111.60 index	58
Attracting and retaining talents	is a priority in companies	7.48 Survey [0..10]	21
Worker motivation	in companies is high	7.60 Survey [0..10]	3
Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	7.80 Survey [0..10]	2
Quality of life	is high	9.66 Survey [0..10]	3
▶ Foreign highly-skilled personnel	are attracted to your country's business environment	8.90 Survey [0..10]	1
▶ Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	81,614 US\$	1
▶ Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	460,999 US\$	1
Effective personal income tax rate	Percentage of an income equal to GDP per capita	12.71 %	21
Justice	is fairly administered	8.58 Survey [0..10]	4
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	10.44 micrograms	15

Readiness

		Value	2020 Rank
▷ Labor force growth	Percentage change	0.32 %	43
Skilled labor	is readily available	7.06 Survey [0..10]	7
Finance skills	are readily available	8.07 Survey [0..10]	3
▶ International experience	of senior managers is generally significant	7.83 Survey [0..10]	1
Competent senior managers	are readily available	7.14 Survey [0..10]	5
Primary and secondary education	meets the needs of a competitive economy	8.84 Survey [0..10]	3
Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	25.21 %	30
University education	meets the needs of a competitive economy	9.05 Survey [0..10]	1
Management education	meets the needs of the business community	8.59 Survey [0..10]	1
Language skills	are meeting the needs of enterprises	8.77 Survey [0..10]	5
Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	6.40 number	8
Educational assessment - PISA	PISA survey of 15-year olds	498 Average	21

About the Institute for Management Development (IMD)

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Based in Lausanne (Switzerland) and Singapore, IMD has been ranked in the Top 3 of the annual FT's Executive Education Global Ranking for the last nine consecutive years and in the top five for 17 consecutive years. Our MBA and EMBA programs have repeatedly been singled out among the best in Europe and the world.

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