



IMD World Competitiveness Yearbook 2022

COUNTRY  
PROFILE

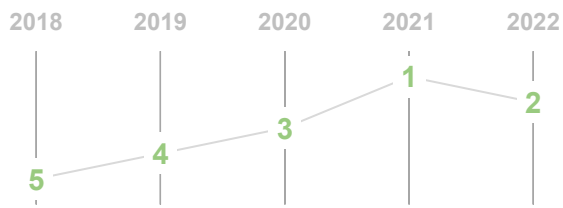
SWITZERLAND



# Switzerland

## Competitiveness Trends – Overall

### OVERALL PERFORMANCE (63 countries)



### CHALLENGES IN 2022

- Ensure a sustained recovery against the backdrop of the conflict in Ukraine and higher inflation.
- Prevent protectionism and keep markets open.
- Strengthen competition in domestic sectors in order to raise productivity.
- Support adjustment and cushion structural change and preserve financial stability in the face of the challenging monetary environment.
- Increase sustainability of social welfare and pension systems.

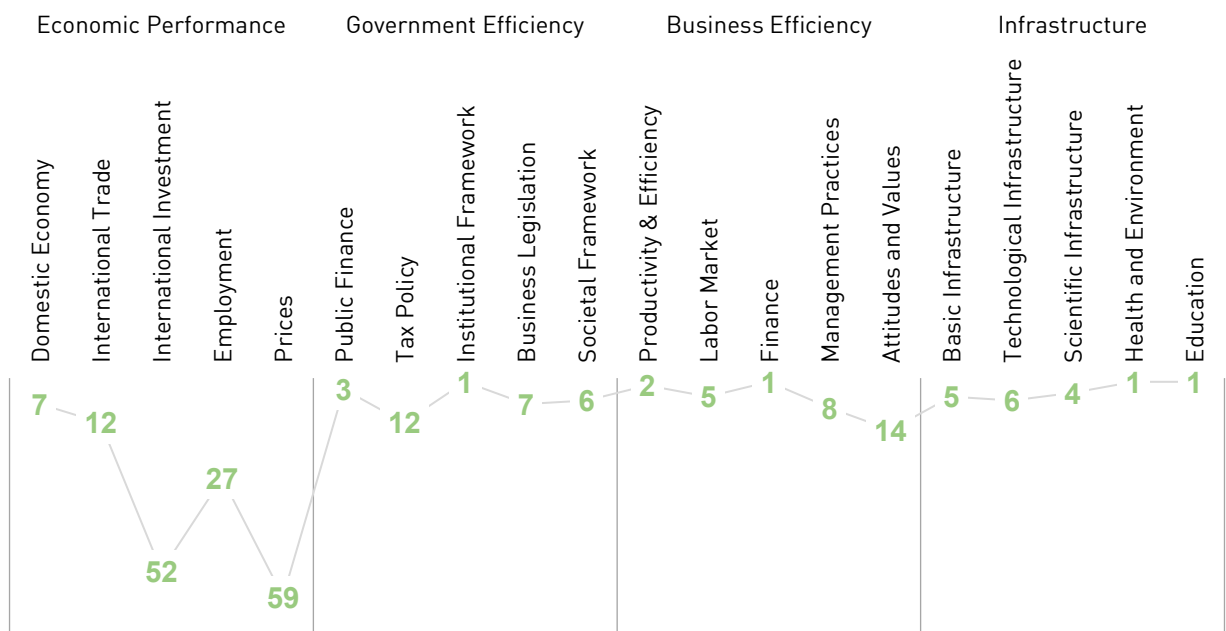
### BASIC FACTS

Rank

Indicator	Value	Year	Rank
Capital	Bern		
Land area (square km '000)	41	2021	
Exchange Rate (per \$)	0.914	2021	
Population - market size (millions)	8.67	2021	42
Gross Domestic Product (GDP) (US\$ billions)	812.9	2021	19
GDP (PPP) per capita (US\$)	78,530	2021	05
Real GDP growth (%)	3.7	2021	49
Consumer price inflation (%)	0.58	2021	05
Unemployment rate (%)	5.24	2021	27
Labor force (millions)	4.93	2021	37
Current account balance (% of GDP)	9.29	2021	10
Direct investment stocks inward (\$bn)	1,536.3	2020	07
Direct investment flows inward (% of GDP)	-34.21	2020	63

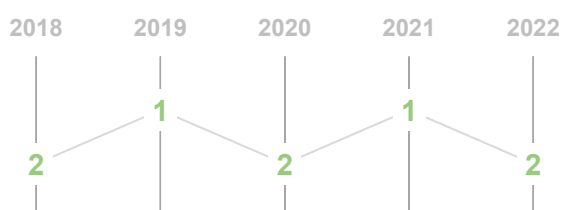
PROVIDED BY: SECO - State Secretariat for Economic Affairs

### COMPETITIVENESS LANDSCAPE

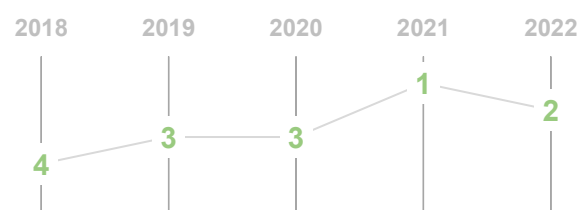


### PEER GROUPS RANKINGS

#### EUROPE - MIDDLE EAST - AFRICA (40 countries)



#### POPULATIONS < 20 MILLION (36 countries)



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## Competitiveness Evolution & Attractiveness Indicators

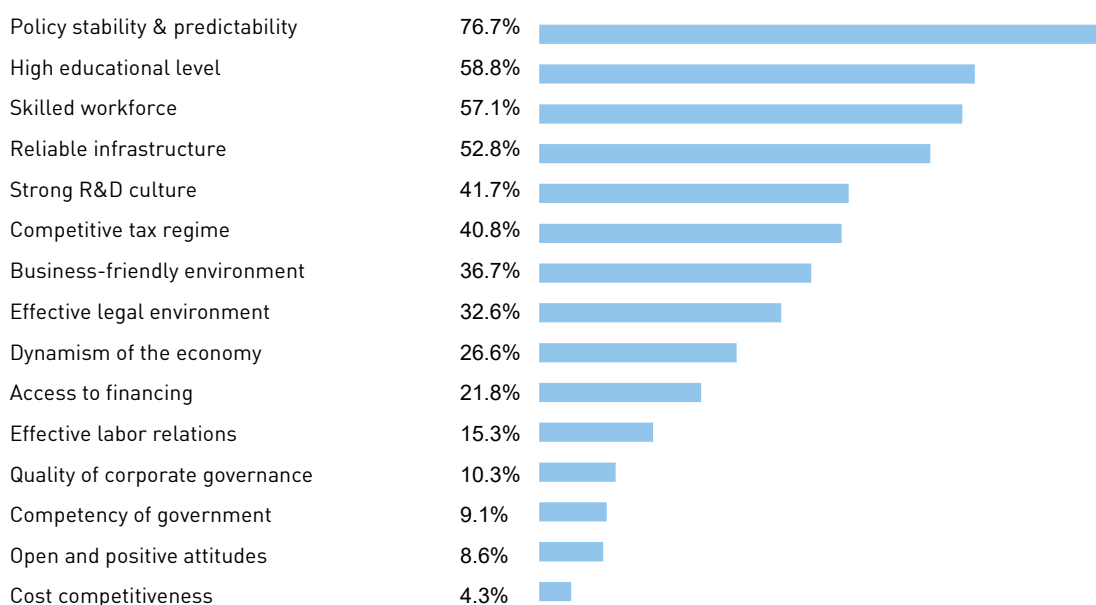
### COMPETITIVENESS EVOLUTION

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.

	WCY 2021	WCY 2022		WCY 2021	WCY 2022
<b>IMPROVEMENTS</b>			<b>DECLINES</b>		
1.1.18 Gross fixed capital formation - real growth	-1.71	3.11	1.2.25 Tourism receipts	2.45	1.33
1.1.14 Real GDP growth	-3.0	3.7	1.4.04 Employment - long-term growth	-1.31	-1.77
1.1.15 Real GDP growth per capita	-3.56	2.93	3.4.13 Entrepreneurial fear of failure	23.87	30.43
1.2.02 Current account balance	3.81	9.29	1.4.08 Long-term unemployment	1.50	1.90
2.1.02 Government budget surplus/deficit (%)	-2.59	-1.93	1.4.09 Youth unemployment	8.00	9.11
4.4.14 Water use efficiency	339.72	414.57	3.2.14 Labor force - long-term growth	-1.42	-1.60
1.2.12 Exports of commercial services (\$bn)	109.04	132.50	1.5.02 Cost-of-living index	103.20	115.90
1.2.08 Exports of goods (\$bn)	319.23	379.89	1.5.06 Gasoline prices	1.52	1.70
2.1.09 Pension funding	6.18	7.23	4.5.17 University education index	21.94	19.40
1.1.19 Resilience of the economy	7.21	8.35	1.4.07 Unemployment rate	4.82	5.24
3.3.10 Stock market capitalization (%)	252.39	286.31	4.2.17 Cyber security	7.44	6.81
1.2.13 Exports of commercial services (%)	14.59	16.30	4.1.15 Energy infrastructure	9.37	8.75
2.3.11 Transparency	7.28	8.08	4.2.10 Qualified engineers	7.73	7.23
2.3.10 Adaptability of government policy	5.81	6.42	3.2.18 Skilled labor	6.96	6.54
2.1.07 Public finances	7.40	8.11	4.3.05 Business expenditure on R&D (%)	2.25	2.13

### KEY ATTRACTIVENESS INDICATORS

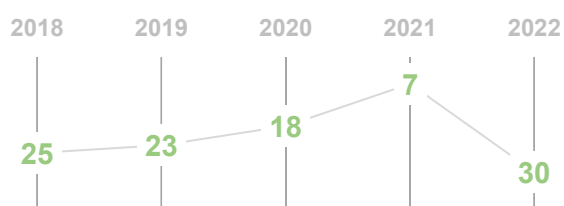
From a list of 15 indicators, respondents of the Executive Opinion Survey were asked to select 5 that they perceived as the key attractiveness factors of their economy. The chart shows the percentage of responses per indicator from the highest number of responses to the lowest.



# Switzerland

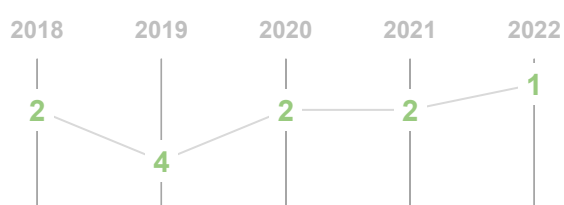
## Competitiveness Trends – Factor Breakdown

### ECONOMIC PERFORMANCE



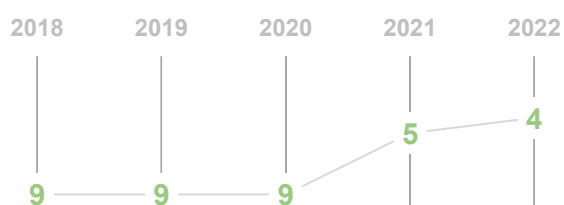
SUB-FACTOR RANKINGS :	2021	2022
Domestic Economy	04	07
International Trade	15	12
International Investment	12	52
Employment	15	27
Prices	58	59

### GOVERNMENT EFFICIENCY



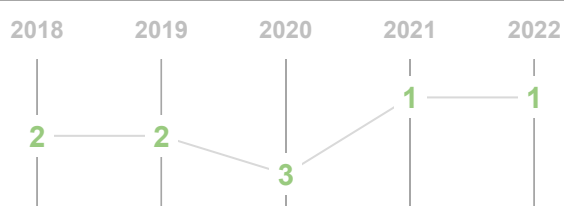
SUB-FACTOR RANKINGS :	2021	2022
Public Finance	01	03
Tax Policy	12	12
Institutional Framework	01	01
Business Legislation	10	07
Societal Framework	05	06

### BUSINESS EFFICIENCY



SUB-FACTOR RANKINGS :	2021	2022
Productivity & Efficiency	04	02
Labor Market	06	05
Finance	01	01
Management Practices	09	08
Attitudes and Values	13	14

### INFRASTRUCTURE



SUB-FACTOR RANKINGS :	2021	2022
Basic Infrastructure	05	05
Technological Infrastructure	08	06
Scientific Infrastructure	03	04
Health and Environment	03	01
Education	01	01

# Switzerland

## Balance Sheet – Factor Breakdown

### ECONOMIC PERFORMANCE

STRENGTHS		Rank	WEAKNESSES		Rank
1.1.19	Resilience of the economy	02	1.3.05	Direct investment flows inward (\$bn)	63
1.1.20	GDP per capita	03	1.3.06	Direct investment flows inward (% of GDP)	63
1.1.13	Economic complexity index	03	1.3.01	Direct investment flows abroad (\$bn)	62
1.5.05	Food costs	04	1.3.02	Direct investment flows abroad (% of GDP)	60
1.1.21	GDP (PPP) per capita	05	1.5.02	Cost-of-living index	58
1.5.01	Consumer price inflation	05	1.5.04	Office rent	55
1.4.10	Youth exclusion	06	1.5.06	Gasoline prices	51
1.3.04	Direct investment stocks abroad (% of GDP)	07	1.1.15	Real GDP growth per capita	51
1.3.07	Direct investment stocks inward (\$bn)	07	1.1.14	Real GDP growth	49
1.3.08	Direct investment stocks inward (% of GDP)	07	1.2.18	Export concentration by product	46

### GOVERNMENT EFFICIENCY

STRENGTHS		Rank	WEAKNESSES		Rank
2.3.07	Foreign currency reserves per capita	01	2.4.07	Government subsidies	46
2.4.17	Unemployment legislation	01	2.2.02	Collected personal income tax	43
2.5.04	Risk of political instability	01	2.3.03	Interest rate spread	39
2.3.02	Cost of capital	01	2.4.14	Start-up days	33
2.3.04	Country credit rating	01	2.2.01	Collected total tax revenues	28
2.4.19	Redundancy costs	01	2.4.12	New business density	27
2.4.16	Labor regulations	02			-
2.1.07	Public finances	02			-
2.3.12	Bureaucracy	02			-
2.3.11	Transparency	02			-

### BUSINESS EFFICIENCY

STRENGTHS		Rank	WEAKNESSES		Rank
3.2.09	Apprenticeships	01	3.2.04	Remuneration of management	62
3.2.23	International experience	01	3.2.01	Compensation levels	61
3.2.22	Foreign highly-skilled personnel	01	3.2.03	Remuneration in services professions	59
3.2.19	Finance skills	01	3.2.06	Working hours	54
3.1.09	Small and medium-size enterprises	01	3.2.14	Labor force - long-term growth	43
3.1.07	Workforce productivity	01	3.4.14	Total early-stage Entrepreneurial Activity	26
3.5.07	Value system	01			-
3.5.02	Image abroad or branding	01			-
3.2.10	Employee training	02			-
3.1.08	Large corporations	02			-

### INFRASTRUCTURE

STRENGTHS		Rank	WEAKNESSES		Rank
4.3.22	Knowledge transfer	01	4.2.03	Mobile Telephone costs	59
4.5.16	Management education	01	4.5.06	Secondary school enrollment	46
4.3.16	Patent applications per capita	01	4.1.20	Electricity costs for industrial clients	38
4.5.15	University education	01	4.2.15	High-tech exports (%)	33
4.3.18	Number of patents in force	01			-
4.3.20	Scientific research legislation	01			-
4.1.14	Distribution infrastructure	01			-
4.5.03	Total public exp. on education per student	02			-
4.2.08	Internet bandwidth speed	02			-
4.4.14	Water use efficiency	02			-

# SWITZERLAND

## Extended Country Profile

### 1 - Economic Performance

#### 1.1 - Domestic Economy

	Value	Average	Rank	Year
1.1.00 - Exchange Rate National currency per US\$ (average)	0.914	21,532.090		2021
1.1.01 - Gross Domestic Product (GDP) US\$ billions	812.9	1,394.4	19	2021
1.1.02 - GDP (PPP) Estimates ; US\$ billions at purchasing power parity	680.9	1,981.9	28	2021
1.1.03 - World GDP contribution Percentage share of world GDP in market prices	0.84	1.44	18	2021
1.1.04 - Household consumption expenditure (\$bn) US\$ billions	406.5	735.2	17	2021
1.1.05 - Household consumption expenditure (%) Percentage of GDP	50.0	53.4	41	2021
1.1.06 - Government consumption expenditure (\$bn) US\$ billions	94.7	232.9	27	2021
1.1.07 - Government consumption expenditure (%) Percentage of GDP	11.7	18.3	58	2021
1.1.08 - Gross fixed capital formation (\$bn) US\$ billions	208.1	351.9	17	2021
1.1.09 - Gross fixed capital formation (%) Percentage of GDP	25.6	22.7	14	2021
1.1.10 - Gross domestic savings (\$bn) US\$ billions	311.6	379.1	18	2021
1.1.11 - Gross domestic savings (%) Percentage of GDP	38.3	28.3	10	2021
1.1.12 - Economic sectors Breakdown of the economic sectors, percentage of GDP				2020
Economic sectors / Agriculture	0.7	3.7		2020
Economic sectors / Industry	25.3	29.1		2020
Economic sectors / Services	74.0	67.0		2020
1.1.13 - Economic complexity index Measures knowledge intensity, by considering exports	1.96	0.86	3	2019
1.1.14 - Real GDP growth Percentage change, based on national currency in constant prices	3.7	5.6	49	2021
1.1.15 - Real GDP growth per capita Percentage change, based on national currency in constant prices	2.93	5.35	51	2021
1.1.16 - Household consumption expenditure - real growth Percentage change, based on constant prices	1.73	4.78	49	2021
1.1.17 - Government consumption expenditure - real growth Percentage change, based on constant prices	1.77	4.01	49	2021
1.1.18 - Gross fixed capital formation - real growth Percentage change, based on constant prices	3.11	6.32	42	2021
1.1.19 - Resilience of the economy Resilience of the economy to economic cycles is strong	8.35	5.88	2	2022
1.1.20 - GDP per capita US\$ per capita	93,756	34,279	3	2021
1.1.21 - GDP (PPP) per capita Estimates; US\$ per capita at purchasing power parity	78,530	44,580	5	2021
1.1.22 - Forecast: Real GDP growth Percentage change, based on national currency in constant prices	2.2	3.7	52	2022
1.1.23 - Forecast: Inflation Percentage change	2.5	38.4	8	2022
1.1.24 - Forecast: Unemployment Percentage of total labor force	2.6	6.3	7	2022
1.1.25 - Forecast: Current account balance Percentage of GDP	6.3	1.7	10	2022

## 1.2 · International Trade

Value Average Rank Year

1.2.01 · Current account balance (\$bn) US\$ billions (minus sign = deficit)	75.5	10.4	7	2021
1.2.02 · Current account balance Percentage of GDP	9.29	1.64	10	2021
1.2.03 · Balance of trade (\$bn) US\$ billions (minus sign = deficit)	57.2	-2.5	13	2021
1.2.04 · Balance of trade (%) Percentage of GDP	7.04	0.27	13	2021
1.2.05 · Balance of commercial services (\$bn) US\$ billions (minus sign = deficit)	-9.22	8.39	53	2021
1.2.06 · Balance of commercial services (%) Percentage of GDP	-1.13	1.84	51	2021
1.2.07 · World exports contribution Percentage share of world exports (goods and commercial services)	1.82	1.45	17	2021
1.2.08 · Exports of goods (\$bn) US\$ billions	379.89	321.20	19	2021
1.2.09 · Exports of goods (%) Percentage of GDP	46.73	41.98	21	2021
1.2.10 · Exports of goods per capita US\$ per capita	43,816	15,049	6	2021
1.2.11 · Exports of goods - growth Percentage change, based on US\$ values	18.97	27.30	49	2021
1.2.12 · Exports of commercial services (\$bn) US\$ billions	132.50	88.34	13	2021
1.2.13 · Exports of commercial services (%) Percentage of GDP	16.30	15.10	15	2021
1.2.14 · Exports of commercial services - growth Percentage change, based on US\$ values	15.57	17.14	30	2021
1.2.15 · Exports of goods & commercial services US\$ billions	512.39	408.43	17	2021
1.2.16 · Exports breakdown by economic sector Percentage of total exports				2020
Exports breakdown by economic sector / Agriculture	2.3	11.3		2020
Exports breakdown by economic sector / Industry	71.3	64.4		2020
Exports breakdown by economic sector / Services	26.4	24.3		2020
1.2.17 · Export concentration by partner Exports to top 5 countries, percentage of total exports	54.2	55.0	36	2020
1.2.18 · Export concentration by product Top 5 products, percentage of total exports	65.5	57.6	46	2020
1.2.19 · Imports of goods & commercial services (\$bn) US\$ billions	464.4	402.5	47	2021
1.2.20 · Imports of goods & commercial services (%) Percentage of GDP	57.1	54.7	40	2021
1.2.21 · Imports of goods & commerc. services growth Percentage change, based on US\$ values	10.99	24.33	8	2021
1.2.22 · Imports breakdown by economic sector Percentage of total imports				2020
Imports breakdown by economic sector / Agriculture	3.5	9.0		2020
Imports breakdown by economic sector / Industry	66.3	67.7		2020
Imports breakdown by economic sector / Services	30.2	23.3		2020
1.2.23 · Trade to GDP ratio (Exports + Imports) / GDP	113.32	102.61	20	2020
1.2.24 · Terms of trade index Unit value of exports over unit value of imports	107.7	99.4	8	2020
1.2.25 · Tourism receipts International tourism receipts as a percentage of GDP	1.33	1.54	23	2020

### 1.3 · International Investment

Value Average Rank Year

1.3.01 · Direct investment flows abroad (\$bn) US\$ billions	-133.26	14.96	62	2020
1.3.02 · Direct investment flows abroad (% of GDP) Percentage of GDP	-17.72	4.62	60	2020
1.3.03 · Direct investment stocks abroad (\$bn) US\$ billions	1,628.9	612.1	10	2020
1.3.04 · Direct investment stocks abroad (% of GDP) Percentage of GDP	216.56	109.57	7	2020
1.3.05 · Direct investment flows inward (\$bn) US\$ billions	-257.34	16.61	63	2020
1.3.06 · Direct investment flows inward (% of GDP) Percentage of GDP	-34.21	4.86	63	2020
1.3.07 · Direct investment stocks inward (\$bn) US\$ billions	1,536.3	613.9	7	2020
1.3.08 · Direct investment stocks inward (% of GDP) Percentage of GDP	204.25	122.21	7	2020
1.3.09 · Balance of direct investment flows (\$bn) US\$ billions (flows abroad minus flows inward)	124.08	-1.64	1	2020
1.3.10 · Balance of direct investment flows (%) Percentage of GDP (flows abroad minus flows inward)	16.50	-0.24	2	2020
1.3.11 · Net position in direct investment stocks (\$bn) US\$ billions (stocks abroad minus stocks inward)	92.6	-1.8	13	2020
1.3.12 · Net position in direct investment stocks (%) Percentage of GDP (stocks abroad minus stocks inward)	12.31	-12.64	17	2020
1.3.13 · Relocation threats of business Relocation of business is not a threat to the future of your economy	6.03	5.36	16	2022
1.3.14 · Portfolio investment assets US\$ billions	25.50	38.51	22	2020
1.3.15 · Portfolio investment liabilities US\$ billions	-7.62	34.92	55	2020

### 1.4 · Employment

Value Average Rank Year

1.4.01 · Employment Total employment in millions	4.67	38.16	37	2021
1.4.02 · Employment (%) Percentage of population	53.84	47.14	7	2021
1.4.03 · Employment - growth Estimates: percentage change	-0.60	1.54	51	2021
1.4.04 · Employment - long-term growth Estimates: five year percentage change	-1.77	-0.41	42	2021
1.4.05 · Employment by sector Percentage of total employment				2020
Employment by sector / Agriculture	2.5	7.7		2020
Employment by sector / Industry	19.9	23.5		2020
Employment by sector / Services	77.6	68.8		2020
1.4.06 · Employment in the public sector Percentage of total employment	-	17.83		
1.4.07 · Unemployment rate Percentage of labor force	5.24	8.00	27	2021
1.4.08 · Long-term unemployment Percentage of labor force	1.90	2.81	34	2021
1.4.09 · Youth unemployment Percentage of youth labor force (under the age of 25)	9.11	17.13	13	2021
1.4.10 · Youth exclusion Share of youth population (15-24) not in education, employment or training	6.4	14.6	6	2020



## 1.5 · Prices

Value Average Rank Year

<b>1.5.01 · Consumer price inflation</b>	0.58	29.25	5	2021
Average annual rate				
<b>1.5.02 · Cost-of-living index</b>	115.90	78.37	58	2021
Index of a basket of goods & services in the main city, including housing (New York City = 100)				
<b>1.5.03 · Apartment rent</b>	2,337	1,530	49	2018
3-room apartment monthly rent in major cities, US\$				
<b>1.5.04 · Office rent</b>	1,056	656	55	2021
Total occupation cost in the main city (US\$/Sq.M. per year)				
<b>1.5.05 · Food costs</b>	8.55	17.58	4	2021
Percentage of household final consumption expenditures				
<b>1.5.06 · Gasoline prices</b>	1.70	1.26	51	2021
Premium unleaded gasoline (95 Ron) US\$ per litre				

# SWITZERLAND

## Extended Country Profile

### 2 · Government Efficiency

#### 2.1 · Public Finance

	Value	Average	Rank	Year
2.1.01 · Government budget surplus/deficit (\$bn) US\$ billions	-15.73	-91.93	32	2021
2.1.02 · Government budget surplus/deficit (%) Percentage of GDP	-1.93	-4.00	16	2021
2.1.03 · Total general government debt (\$bn) US\$ billions	343.10	1,436.31	40	2021
2.1.04 · Total general government debt (%) Percentage of GDP	42.21	71.59	16	2021
2.1.05 · Total general government debt-real growth Percentage change, based on national currency in constant prices	4.20	8.58	29	2021
2.1.06 · Interest payment (%) Percentage of current revenue	0.82	5.98	8	2020
2.1.07 · Public finances Public finances are being efficiently managed	8.11	4.92	2	2022
2.1.08 · Tax evasion Tax evasion is not a threat to your economy	7.57	5.05	4	2022
2.1.09 · Pension funding Pension funding is adequately addressed for the future	7.23	4.77	8	2022
2.1.10 · General government expenditure Percentage of GDP	35.1	38.2	26	2021

#### 2.2 · Tax Policy

	Value	Average	Rank	Year
2.2.01 · Collected total tax revenues Percentage of GDP	27.59	27.09	28	2020
2.2.02 · Collected personal income tax On profits, income and capital gains, as a percentage of GDP	8.47	6.00	43	2020
2.2.03 · Collected corporate taxes On profits, income and capital gains, as a percentage of GDP	3.06	2.70	41	2020
2.2.04 · Collected indirect tax revenues Taxes on goods and services as a percentage of GDP	5.18	9.41	12	2020
2.2.05 · Collected capital and property taxes Percentage of GDP	2.15	1.47	46	2020
2.2.06 · Collected social security contribution Compulsory contribution of employees and employers as a percentage of GDP	6.92	7.28	31	2020
2.2.07 · Corporate tax rate on profit Maximum tax rate, calculated on profit before tax	21.15	22.34	28	2020
2.2.08 · Consumption tax rate Standard rate of VAT/GST	7.70	16.37	10	2021
2.2.09 · Employer social security tax rate %	6.4	16.0	13	2021
2.2.10 · Employee social security tax rate %	6.4	10.4	21	2021
2.2.11 · Real personal taxes Real personal taxes do not discourage people from working or seeking advancement	7.59	5.12	3	2022

## 2.3 · Institutional Framework

Value Average Rank Year

2.3.01 · Real short-term interest rate Real discount / bank rate	-1.47	-3.07	38	2021
2.3.02 · Cost of capital Cost of capital encourages business development	7.79	5.63	1	2022
2.3.03 · Interest rate spread Lending rate minus deposit rate	3.06	3.49	39	2021
2.3.04 · Country credit rating Index (0-60) of three country credit ratings: Fitch, Moody's and S&P	60.0	43.0	1	2021
2.3.05 · Central bank policy Central bank policy has a positive impact on the economy	7.82	6.31	5	2022
2.3.06 · Foreign currency reserves US\$ billions	1,109.92	216.77	3	2021
2.3.07 · Foreign currency reserves per capita US\$ per capita	128,018	9,199	1	2021
2.3.08 · Exchange rate stability Parity change from national currency to SDR, 2021 / 2019	0.052	0.072	44	2021
2.3.09 · Legal and regulatory framework The legal and regulatory framework encourages the competitiveness of enterprises	7.82	5.37	3	2022
2.3.10 · Adaptability of government policy Adaptability of government policy to changes in the economy is high	6.42	4.83	9	2022
2.3.11 · Transparency Transparency of government policy is satisfactory	8.08	4.87	2	2022
2.3.12 · Bureaucracy Bureaucracy does not hinder business activity	6.55	3.72	2	2022
2.3.13 · Bribery and corruption Bribery and corruption do not exist	7.91	4.77	6	2022
2.3.14 · Rule of law Rule of Law Index	97.60	72.47	6	2020
2.3.15 · Sustainable Development Goals Country performance on the 17 SDGs	80.1	75.1	16	2021
2.3.16 · Democracy Index EIU Overall Democracy Index, © The Economist Intelligence Unit Limited 2021	8.90	6.97	9	2021

## 2.4 · Business Legislation

Value Average Rank Year

<b>2.4.01 · Tariff barriers</b>	1.36	2.32	10	2020
Tariffs on imports: Applied weighted mean tariff rate for all products				
<b>2.4.02 · Protectionism</b>	7.60	5.74	5	2022
Protectionism of your government does not impair the conduct of your business				
<b>2.4.03 · Public sector contracts</b>	7.34	5.96	9	2022
Public sector contracts are sufficiently open to foreign bidders				
<b>2.4.04 · Foreign investors</b>	8.15	6.82	10	2022
Foreign investors are free to acquire control in domestic companies				
<b>2.4.05 · Capital markets</b>	8.58	6.57	4	2022
Capital markets (foreign and domestic) are easily accessible				
<b>2.4.06 · Investment incentives</b>	7.60	5.93	3	2022
Investment incentives are attractive to foreign investors				
<b>2.4.07 · Government subsidies</b>	3.21	2.02	46	2020
To private and public companies as a percentage of GDP				
<b>2.4.08 · Subsidies</b>	6.96	5.52	10	2022
Subsidies do not distort fair competition and economic development				
<b>2.4.09 · State ownership of enterprises</b>	7.88	6.04	3	2022
State ownership of enterprises is not a threat to business activities				
<b>2.4.10 · Competition legislation</b>	7.30	5.84	6	2022
Competition legislation is efficient in preventing unfair competition				
<b>2.4.11 · Parallel economy</b>	8.32	5.14	3	2022
Parallel (black-market, unrecorded) economy does not impair economic development				
<b>2.4.12 · New business density</b>	4.6	5.8	27	2019
Registered new businesses per 1'000 people aged 15-64				
<b>2.4.13 · Creation of firms</b>	7.91	6.63	11	2022
Creation of firms is supported by legislation				
<b>2.4.14 · Start-up days</b>	10.0	15.1	33	2019
Number of days to start a business				
<b>2.4.15 · Start-up procedures</b>	6.0	6.0	32	2019
Number of procedures to start a business				
<b>2.4.16 · Labor regulations</b>	8.35	5.50	2	2022
Labor regulations (hiring/firing practices, minimum wages, etc.) do not hinder business activities				
<b>2.4.17 · Unemployment legislation</b>	7.58	4.99	1	2022
Unemployment legislation provides an incentive to look for work				
<b>2.4.18 · Immigration laws</b>	6.50	5.83	21	2022
Immigration laws do not prevent your company from employing foreign labor				
<b>2.4.19 · Redundancy costs</b>	0.0	9.4	1	2019
Number of weeks of salary				

## 2.5 · Societal Framework

Value Average Rank Year

<b>2.5.01 · Justice</b> Justice is fairly administered	8.69	5.72	5	2022
<b>2.5.02 · Homicide</b> Intentional homicide, rate per 100'000 population	0.54	4.28	10	2020
<b>2.5.03 · Ageing of population</b> Population over 65, percentage of total population	18.8	14.8	40	2021
<b>2.5.04 · Risk of political instability</b> The risk of political instability is very low	9.50	5.80	1	2022
<b>2.5.05 · Social cohesion</b> Social cohesion is high	7.94	5.68	4	2022
<b>2.5.06 · Gini coefficient</b> Equal distribution of income scale: 0 (absolute equality) to 100 (absolute inequality)	33.10	35.03	26	2018
<b>2.5.07 · Income distribution - lowest 10%</b> Percentage of household incomes going to lowest 10% of households	2.90	2.75		2018
<b>2.5.08 · Income distribution - highest 10%</b> Percentage of household incomes going to highest 10% of households	25.80	26.98		2018
<b>2.5.09 · Income distribution - lowest 40%</b> Percentile going to the lowest 40% of households	19.90	18.99	24	2018
<b>2.5.10 · Income distribution - lowest 40% growth</b> Percentile going to the lowest 40% of households - growth	-1.49	0.34	35	2018
<b>2.5.11 · Equal opportunity</b> Equal opportunity legislation in your economy encourages economic development	7.48	6.17	10	2022
<b>2.5.12 · Females in parliament</b> Percentage of total seats in Parliament	42.50	29.11	11	2021
<b>2.5.13 · Unemployment rate - gender ratio</b> Ratio of the female and male unemployment rates	1.12	1.25	42	2021
<b>2.5.14 · Gender inequality</b> Gender Inequality Index (UNDP)	0.025	0.183	1	2019
<b>2.5.15 · Disposable Income</b> Female / male ratio	89.5	72.2	5	2021
<b>2.5.16 · Freedom of the Press</b> Reporters Without Borders: World Press Freedom Score	10.55	27.85	9	2021

# SWITZERLAND

## Extended Country Profile

### 3 · Business Efficiency

#### 3.1 · Productivity & Efficiency

	Value	Average	Rank	Year
<b>3.1.01 · Overall productivity (PPP)</b> Estimates: GDP (PPP) per person employed, US\$	126,523	84,576	7	2021
<b>3.1.02 · Overall productivity (PPP) - real growth</b> Estimates: Percentage change of GDP (PPP) per person employed	2.70	2.84	37	2021
<b>3.1.03 · Labor productivity (PPP)</b> Estimates: GDP (PPP) per person employed per hour, US\$	81.66	48.28	6	2021
<b>3.1.04 · Agricultural productivity (PPP)</b> Estimates: Related GDP (PPP) per person employed in agriculture, US\$	38,542	55,834	38	2020
<b>3.1.05 · Productivity in industry (PPP)</b> Estimates: Related GDP (PPP) per person employed in industry, US\$	170,699	107,180	6	2020
<b>3.1.06 · Productivity in services (PPP)</b> Estimates: Related GDP (PPP) per person employed in services, US\$	127,964	86,235	6	2020
<b>3.1.07 · Workforce productivity</b> Workforce productivity is competitive by international standards	8.52	6.15	1	2022
<b>3.1.08 · Large corporations</b> Large corporations are efficient by international standards	8.40	6.67	2	2022
<b>3.1.09 · Small and medium-size enterprises</b> Small and medium-size enterprises are efficient by international standards	8.59	6.12	1	2022
<b>3.1.10 · Use of digital tools and technologies</b> Companies are very good at using digital tools and technologies to improve performance	7.02	6.29	15	2022

## 3.2 · Labor Market

Value Average Rank Year

3.2.01 · Compensation levels	49.24	15.09	61	2021
Total hourly compensation in manufacturing (wages + supplementary benefits), US\$				
3.2.02 · Unit labor costs for total economy	1.13	1.59	27	2020
Percentage change				
3.2.03 · Remuneration in services professions	81,614	28,619	59	2018
Gross annual income including supplements such as bonuses, US\$				
Remuneration in services professions / Call center agent	51,362	19,099		2018
Remuneration in services professions / Nurse	82,597	30,277		2018
Remuneration in services professions / Primary school	101,031	30,970		2018
Remuneration in services professions / Product Manager	127,896	49,302		2018
Remuneration in services professions / Sales Assistant	54,960	19,165		2018
Remuneration in services professions / Secretary / Personal	71,837	22,903		2018
3.2.04 · Remuneration of management	456,478	169,169	62	2019
Total base salary plus bonuses and long-term incentives, US\$				
Remuneration of management / CEO	890,254	306,535		2019
Remuneration of management / Director manufacturing	374,223	149,356		2019
Remuneration of management / Engineer	205,385	80,327		2019
Remuneration of management / Human resources director	356,051	140,455		2019
3.2.05 · Remuneration spread	12.52	17.99	23	2018
Ratio of CEO to personal assistant remuneration				
3.2.06 · Working hours	1,549	1,843	54	2021
Average number of working hours per year				
3.2.07 · Worker motivation	7.78	5.87	2	2022
Worker motivation in companies is high				
3.2.08 · Industrial disputes	0.27	12.21	19	2019
Working days lost per 1,000 inhabitants per year (average 2018-2020)				
3.2.09 · Apprenticeships	8.85	5.20	1	2022
Apprenticeships are sufficiently implemented				
3.2.10 · Employee training	7.82	6.03	2	2022
Employee training is a high priority in companies				
3.2.11 · Labor force	4.93	40.47	37	2021
Employed and registered unemployed (millions)				
3.2.12 · Labor force (%)	56.81	50.09	6	2021
Percentage of population				
3.2.13 · Labor force growth	-0.16	1.18	43	2021
Percentage change				
3.2.14 · Labor force - long-term growth	-1.60	-0.67	43	2021
Estimates: five year percentage change				
3.2.15 · Part-time employment	26.66	15.19	7	2020
Percentage of total employment				
3.2.16 · Female labor force	46.72	42.68	25	2021
Percentage of total labor force				
3.2.17 · Foreign labor force - migrant stock	36.53	17.76	8	2020
Migrant stock, age 20-64, % of population				
3.2.18 · Skilled labor	6.54	5.21	6	2022
Skilled labor is readily available				
3.2.19 · Finance skills	8.21	6.07	1	2022
Finance skills are readily available				
3.2.20 · Attracting and retaining talents	8.00	6.82	6	2022
Attracting and retaining talents is a priority in companies				
3.2.21 · Brain drain	7.85	4.93	3	2022
Brain drain (well-educated and skilled people) does not hinder competitiveness in your economy				
3.2.22 · Foreign highly-skilled personnel	8.97	5.39	1	2022
Foreign highly-skilled personnel are attracted to your country's business environment				
3.2.23 · International experience	8.03	5.62	1	2022
International experience of senior managers is generally significant				
3.2.24 · Competent senior managers	7.01	5.45	5	2022
Competent senior managers are readily available				

3.3.01 · Banking sector assets Percentage of GDP	-	157.54		
3.3.02 · Financial cards in circulation Number of cards per capita	3.14	3.45	19	2018
3.3.03 · Financial card transactions US\$ per capita	37,530	11,334	2	2017
3.3.04 · Access to financial services Proportion of adults with a bank account or mobile-money-service provider	98.43	82.66	12	2017
3.3.05 · Access to financial services - gender ratio Ratio of the female and male access to a bank account or mobile-money-service provider	1.01	0.96	11	2017
3.3.06 · Banking and financial services Banking and financial services do support business activities efficiently	7.75	6.24	6	2022
3.3.07 · Regulatory compliance (banking laws) Regulatory compliance is sufficiently developed	8.36	6.92	2	2022
3.3.08 · Stock markets Stock markets provide adequate financing to companies	7.93	5.83	3	2022
3.3.09 · Stock market capitalization (\$bn) US\$ billions	2,327.4	1,470.4	11	2021
3.3.10 · Stock market capitalization (%) Percentage of GDP	286.31	105.47	4	2021
3.3.11 · Value traded on stock markets US\$ per capita	151,952	23,478	3	2020
3.3.12 · Listed domestic companies Number of listed domestic companies	236	718	27	2020
3.3.13 · Stock market index Percentage change on index in national currency	15.00	26.39	46	2021
3.3.14 · Shareholders' rights Shareholders' rights are sufficiently implemented	8.40	6.91	5	2022
3.3.15 · Initial Public Offerings By acquiror nation (average 2019-2021) US\$ millions	2,373.2	4,258.5	16	2021
3.3.16 · Credit Credit is easily available for business	7.60	6.05	6	2022
3.3.17 · Venture capital Venture capital is easily available for business	6.50	5.34	11	2022
3.3.18 · M&A Activity Deals per listed company (average 2018-2020)	1.814	1.193	15	2020
3.3.19 · Corporate debt Corporate debt does not restrain the ability of enterprises to compete	7.98	5.83	4	2022



### 3.4 · Management Practices

Value Average Rank Year

3.4.01 · Agility of companies Companies are agile	7.06	6.08	9	2022
3.4.02 · Changing market conditions Companies are generally extremely aware of changing market conditions	7.63	6.69	8	2022
3.4.03 · Opportunities and threats Companies are very good at responding quickly to opportunities and threats	7.07	6.29	8	2022
3.4.04 · Credibility of managers Credibility of managers in society is strong	7.14	6.15	7	2022
3.4.05 · Corporate boards Corporate boards do supervise the management of companies effectively	6.86	6.17	16	2022
3.4.06 · Auditing and accounting practices Auditing and accounting practices are adequately implemented in business	8.33	7.25	5	2022
3.4.07 · Use of big data and analytics Companies are very good at using big data and analytics to support decision-making	5.67	5.33	25	2022
3.4.08 · Customer satisfaction Customer satisfaction is emphasized in companies	7.53	6.95	14	2022
3.4.09 · Entrepreneurship Entrepreneurship of managers is widespread in business	6.77	6.07	11	2022
3.4.10 · Social responsibility Social responsibility of business leaders is high	6.90	6.16	13	2022
3.4.11 · Women in management Female share of senior and middle management (% of management)	32.46	31.46	32	2019
3.4.12 · Women on boards Boardmembers of all companies analyzed by MSCI	30.00	24.22	21	2021
3.4.13 · Entrepreneurial fear of failure % indicating that fear of failure would prevent them from setting up a business	30.43	42.81	5	2021
3.4.14 · Total early-stage Entrepreneurial Activity % who are either a nascent entrepreneur or owner-manager of a new business	9.80	12.11	26	2021

### 3.5 · Attitudes and Values

Value Average Rank Year

3.5.01 · Attitudes toward globalization Attitudes toward globalization are generally positive in your society	6.94	6.47	23	2022
3.5.02 · Image abroad or branding The image abroad of your country encourages business development	8.85	6.44	1	2022
3.5.03 · National culture The national culture is open to foreign ideas	7.12	6.82	27	2022
3.5.04 · Flexibility and adaptability Flexibility and adaptability of people are high when faced with new challenges	6.97	6.63	26	2022
3.5.05 · Need for economic and social reforms The need for economic and social reforms is generally well understood	6.95	5.88	15	2022
3.5.06 · Digital transformation in companies Digital transformation in companies is generally well implemented	6.03	5.95	28	2022
3.5.07 · Value system The value system in your society supports competitiveness	7.92	6.23	1	2022

# SWITZERLAND

## Extended Country Profile

### 4 · Infrastructure

#### 4.1 · Basic Infrastructure

Value Average Rank Year

4.1.01 · Land area Square kilometers ('000)	41	1,207	53	2021
4.1.02 · Arable area Square meters per capita	496	2,704	54	2019
4.1.03 · Water resources Total internal renewable per capita in cubic meters	4,739	18,375	26	2018
4.1.04 · Access to water Access to water is adequately ensured and managed	9.70	7.90	7	2022
4.1.05 · Management of cities Management of cities supports business development	8.42	6.61	5	2022
4.1.06 · Population - market size Estimates in millions	8.67	81.51	42	2021
4.1.07 · Population - growth Percentage change	0.74	0.30	23	2021
4.1.08 · Dependent Population Percentage of total population	33.8	33.6		2021
Population over 65 years	18.8	14.8		2021
Population under 15 years	15.0	18.7		2021
4.1.09 · Dependency ratio Population under 15 and over 64 years old, divided by active population (15 to 64 years)	51.2	51.2	24	2021
4.1.10 · Roads Density of the network, km roads/square km land area	-	1.39		
4.1.11 · Railroads Density of the network, km per square km	0.089	0.049	7	2020
4.1.12 · Air transportation Number of passengers carried by main companies, thousands	9,010	27,297	31	2020
4.1.13 · Quality of air transportation Quality of air transportation encourages business development	9.03	7.07	2	2022
4.1.14 · Distribution infrastructure The distribution infrastructure of goods and services is generally efficient	9.34	7.12	1	2022
4.1.15 · Energy infrastructure Energy infrastructure is adequate and efficient	8.75	6.81	6	2022
4.1.16 · Total indigenous energy production Millions MTOE	13.06	169.14	41	2019
4.1.17 · Total indigenous energy production (%) Percentage of total requirements in tons of oil equivalent	53.4	106.4	37	2019
4.1.18 · Total final energy consumption Millions MTOE	18.12	122.04	22	2019
4.1.19 · Total final energy consumption per capita MTOE per capita	2.12	2.46	34	2019
4.1.20 · Electricity costs for industrial clients US\$ per kwh	0.126	0.107	38	2020

## 4.2 · Technological Infrastructure

Value Average Rank Year

4.2.01 · Investment in Telecommunications Percentage of GDP	0.46	0.42	23	2021
4.2.02 · Mobile Broadband subscribers 4G & 5G market, % of mobile market	94.4	71.5	6	2020
4.2.03 · Mobile Telephone costs Monthly Blended Average Revenue per User	33.8	15.7	59	2020
4.2.04 · Communications technology Communications technology (voice and data) meets business requirements	9.06	7.67	7	2022
4.2.05 · Secure internet servers publicly-trusted TLS/SSL certificates, Netcraft Secure Server Survey.	120,020	36,109	5	2020
4.2.06 · Internet users Number of internet users per 1000 people	934	839	14	2021
4.2.07 · Broadband subscribers Number of subscriptions per 1000 inhabitants	520	381	13	2020
4.2.08 · Internet bandwidth speed Average speed	189.7	93.5	2	2021
4.2.09 · Digital/Technological skills Digital/Technological skills are readily available	7.67	6.79	18	2022
4.2.10 · Qualified engineers Qualified engineers are available in your labor market	7.23	6.35	16	2022
4.2.11 · Public-private partnerships Public and private sector ventures are supporting technological development	7.30	6.08	7	2022
4.2.12 · Development & application of tech. Development and application of technology are supported by the legal environment	7.95	6.46	4	2022
4.2.13 · Funding for technological development Funding for technological development is readily available	7.41	5.98	9	2022
4.2.14 · High-tech exports (\$) US\$ millions	29,244	47,160	20	2020
4.2.15 · High-tech exports (%) Percentage of manufactured exports	12.84	18.12	33	2020
4.2.16 · ICT service exports Percentage of service exports	9.5	9.7	20	2018
4.2.17 · Cyber security Cyber security is being adequately addressed by corporations	6.81	5.89	15	2022

### 4.3 · Scientific Infrastructure

Value Average Rank Year

4.3.01 · Total expenditure on R&D (\$) US\$ millions	23,029	31,953	12	2019
4.3.02 · Total expenditure on R&D (%) Percentage of GDP	3.15	1.63	9	2019
4.3.03 · Total expenditure on R&D per capita (\$) US\$ per capita	2,695.1	647.1	1	2019
4.3.04 · Business expenditure on R&D (\$) US\$ millions	15,552	24,238	11	2019
4.3.05 · Business expenditure on R&D (%) Percentage of GDP	2.13	1.11	9	2019
4.3.06 · Total R&D personnel Full-time work equivalent (FTE thousands)	85.9	233.3	18	2019
4.3.07 · Total R&D personnel per capita Full-time work equivalent (FTE) per 1000 people	10.05	5.37	4	2019
4.3.08 · Total R&D personnel in business enterprise Full-time work equivalent (FTE thousands)	51.6	183.3	22	2019
4.3.09 · Total R&D personnel in business per capita Full-time work equivalent (FTE) per 1000 people	6.04	3.31	8	2019
4.3.10 · Researchers in R&D per capita Full-time work equivalent (FTE) per 1000 people	5.6	3.6	13	2019
4.3.11 · Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences	25.35	24.75	26	2019
4.3.12 · Scientific articles Scientific articles published by origin of author	22,337	39,473	19	2019
4.3.13 · Nobel prizes Awarded in physics, chemistry, physiology or medicine and economics since 1950	15	9	6	2021
4.3.14 · Nobel prizes per capita Awarded in physics, chemistry, physiology or medicine and economics since 1950 per million people	1.73	0.19	1	2021
4.3.15 · Patent applications Number of applications filed by applicant's origin	44,806	52,962	9	2020
4.3.16 · Patent applications per capita Number of applications filed by applicant's origin, per 100,000 inhabitants	520.64	80.01	1	2020
4.3.17 · Patent grants Number of patents granted by applicant's origin (average 2018-2020)	27,197	25,007	9	2020
4.3.18 · Number of patents in force by applicant's origin, per 100,000 inhabitants	3,567.5	491.7	1	2020
4.3.19 · Medium- and high-tech value added Proportion of total manufacturing value added, expressed as a percentage	65.55	38.63	3	2019
4.3.20 · Scientific research legislation Laws relating to scientific research do encourage innovation	8.13	5.97	1	2022
4.3.21 · Intellectual property rights Intellectual property rights are adequately enforced	8.99	6.59	2	2022
4.3.22 · Knowledge transfer Knowledge transfer is highly developed between companies and universities	8.16	5.52	1	2022

## 4.4 · Health and Environment

Value Average Rank Year

4.4.01 · Total health expenditure Percentage of GDP	11.3	7.5	3	2019
4.4.02 · Total health expenditure per capita US\$ per capita	9,669	2,614	2	2019
4.4.03 · Public expenditure on health (%) Percentage of total health expenditure	32.11	65.44	63	2019
4.4.04 · Health infrastructure Health infrastructure meets the needs of society	8.87	5.97	2	2022
4.4.05 · Universal health coverage index Coverage index for essential health services (0-100)	87	78	3	2019
4.4.06 · Life expectancy at birth Average estimate	83.1	78.4	7	2020
4.4.07 · Healthy life expectancy Average estimate	72.4	68.3	7	2021
4.4.08 · Infant mortality Under five mortality rate per 1000 live births	4.0	7.9	24	2020
4.4.09 · Medical assistance Number of inhabitants per physician and per nurse			2	2021
Medical assistance / Per nurse	55.75	302.83		2021
Medical assistance / Per physician	228.97	533.91		2021
4.4.10 · Urban population Percentage of total population	74	77		2021
4.4.11 · Human development index Combines economic - social - educational indicators/ Source: Human Development Report	0.955	0.862	2	2019
4.4.12 · Energy intensity Total energy consumed for each 1000 US\$ of GDP in MTOE	25	102	2	2018
4.4.13 · Safely treated waste water Percentage of waste water	99.2	76.7	6	2020
4.4.14 · Water use efficiency US\$ per cubic meter	414.57	97.67	2	2019
4.4.15 · CO2 emissions Metric tons of carbon dioxide from fuel combustion	34.1	420.2	18	2020
4.4.16 · CO2 emissions intensity CO2 emissions from fuel combustion in metric tons per one million US\$ of GDP	45.4	354.2	1	2020
4.4.17 · Exposure to particle pollution Mean population exposure to PM2.5, Micrograms per cubic metre	10.04	20.45	15	2019
4.4.18 · Renewable energies (%) Share of renewables in total energy requirements, %	22.5	16.8	19	2019
4.4.19 · Forest area growth Five year percentage change of hectares	1.4	0.4	13	2020
4.4.20 · Total biocapacity Global hectares per capita of biologically productive space	0.99	3.26	44	2018
4.4.21 · Ecological footprint Global hectares per person	4.3	5.0	26	2018
4.4.22 · Ecological balance (reserve/deficit) Total biocapacity minus total footprint in global hectares per capita	-3.35	-1.73	44	2018
4.4.23 · Environment-related technologies Development of environment-related technologies, % inventions worldwide	0.79	1.60	16	2019
4.4.24 · Environmental agreements Multilateral agreements on hazardous waste, proportion fulfilled	91.67	83.34	17	2015
4.4.25 · Sustainable development Sustainable development is a priority in companies	7.39	6.21	12	2022
4.4.26 · Pollution problems Pollution problems do not seriously affect your economy	7.94	5.71	6	2022
4.4.27 · Environmental laws Environmental laws and compliance do not hinder the competitiveness of businesses	7.87	6.17	3	2022
4.4.28 · Quality of life Quality of life is high	9.69	6.76	4	2022

## 4.5 · Education

Value Average Rank Year

	Value	Average	Rank	Year
4.5.01 · Total public expenditure on education Percentage of GDP	5.7	5.0	19	2020
4.5.02 · Total public expenditure on education per capita US\$ per capita	5,016	1,562	2	2020
4.5.03 · Total public exp. on education per student Spending per enrolled pupil/student, all levels	24,505	6,944	2	2019
4.5.04 · Pupil-teacher ratio (primary education) Ratio of students to teaching staff	15.10	15.95	32	2019
4.5.05 · Pupil-teacher ratio (secondary education) Ratio of students to teaching staff	11.88	13.74	29	2019
4.5.06 · Secondary school enrollment Percentage of relevant age group receiving full-time education	90.2	92.7	46	2019
4.5.07 · Higher education achievement Percentage of population that has attained at least tertiary education for persons 25-34	53.0	44.2	17	2020
4.5.08 · Women with degrees Share of women who have a degree in the population 25-65	42.2	39.7	30	2020
4.5.09 · Student mobility inbound Foreign tertiary-level students per 1000 inhabitants	6.52	4.01	9	2019
4.5.10 · Student mobility outbound National tertiary-level students studying abroad per 1000 inhabitants	1.93	2.62	26	2019
4.5.11 · Educational assessment - PISA PISA survey of 15-year olds	498	471	21	2018
Educational assessment - PISA / Mathematics	515	472		2018
Educational assessment - PISA / Reading	484	468		2018
Educational assessment - PISA / Sciences	495	472		2018
4.5.12 · Students who are not low achievers - PISA % of students who are not low achievers in maths, sciences and reading	69.8	58.5	22	2018
4.5.13 · English proficiency - TOEFL TOEFL scores	100	92	2	2020
4.5.14 · Primary and secondary education Primary and secondary education meets the needs of a competitive economy	8.90	6.10	2	2022
4.5.15 · University education University education meets the needs of a competitive economy	9.09	6.40	1	2022
4.5.16 · Management education Management education meets the needs of the business community	8.72	6.34	1	2022
4.5.17 · University education index Country score calculated from Times Higher Education university ranking	19.40	14.07	14	2021
4.5.18 · Illiteracy Adult (over 15 years) illiteracy rate as a percentage of population	1.0	2.4	1	2020
4.5.19 · Language skills Language skills are meeting the needs of enterprises	8.94	6.41	2	2022

## About the International Institute for Management Development (IMD)

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