

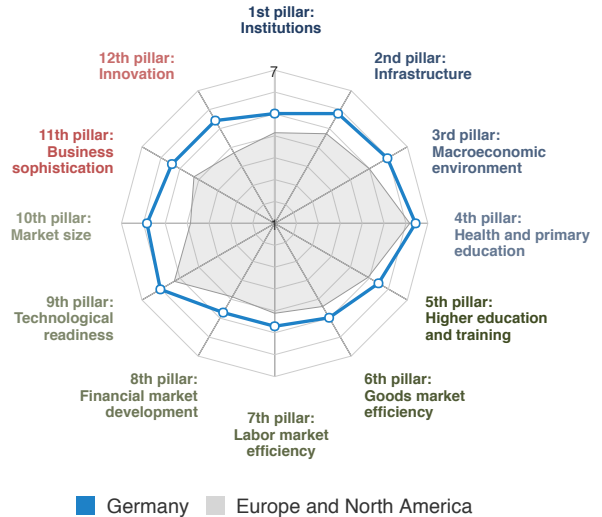
## Key indicators, 2016

Source: International Monetary Fund; World Economic Outlook Database (April 2017)

<b>Population</b> millions	82.7	<b>GDP per capita</b> US\$	41,902.3
<b>GDP</b> US\$ billions	3,466.6	<b>GDP (PPP)</b> % world GDP	3.32

## Performance overview

Index Component	Rank/137	Score (1-7)	Trend	Distance from best	Edition	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
<b>Global Competitiveness Index</b>	<b>5</b>	<b>5.7</b>			Rank	6 / 144	4 / 148	5 / 144	4 / 140	5 / 138	5 / 137
Subindex A: Basic requirements	11	6.0			Score	5.5	5.5	5.5	5.5	5.6	5.7
<b>1st pillar: Institutions</b>	21	5.3									
<b>2nd pillar: Infrastructure</b>	10	6.0									
<b>3rd pillar: Macroeconomic environment</b>	12	6.1									
<b>4th pillar: Health and primary education</b>	13	6.5									
Subindex B: Efficiency enhancers	6	5.5									
<b>5th pillar: Higher education and training</b>	15	5.7									
<b>6th pillar: Goods market efficiency</b>	11	5.3									
<b>7th pillar: Labor market efficiency</b>	14	5.0									
<b>8th pillar: Financial market development</b>	12	5.0									
<b>9th pillar: Technological readiness</b>	8	6.2									
<b>10th pillar: Market size</b>	5	6.0									
Subindex C: Innovation and sophistication factors	3	5.6									
<b>11th pillar: Business sophistication</b>	5	5.6									
<b>12th pillar: Innovation</b>	5	5.6									

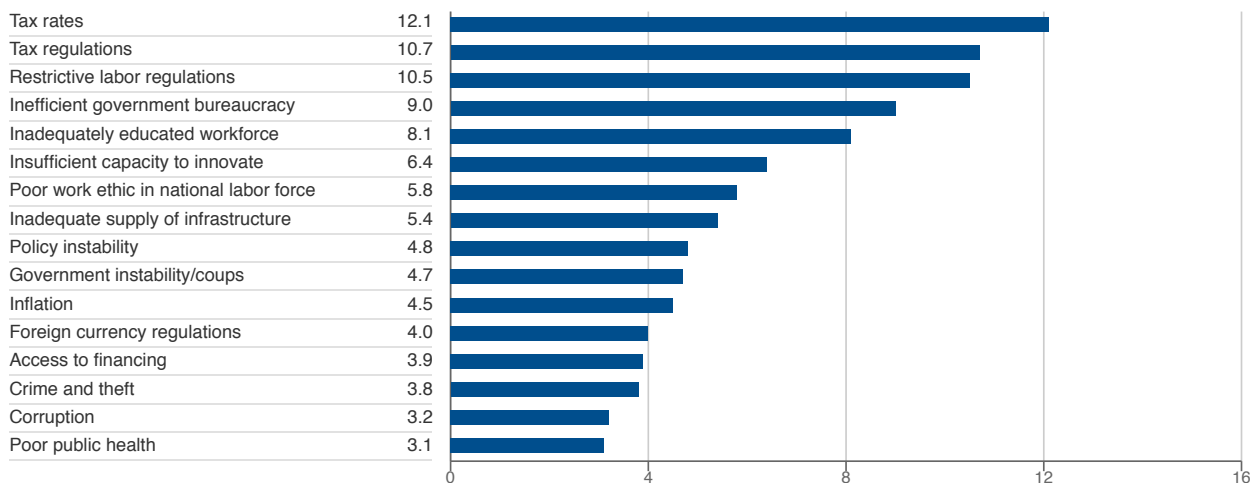


Germany (5th) remains in the same position as last year, while slightly increasing its overall score. The excellent performance of its innovation and business ecosystem is particularly noteworthy: Germany's

innovation capacity and business sophistication are assessed as 5th best in the world, supported by high levels of technological readiness (8th) and high-quality infrastructure (10th).

## Most problematic factors for doing business

Source: World Economic Forum, Executive Opinion Survey 2017



**Note:** From the list of factors, respondents to the World Economic Forum's Executive Opinion Survey were asked to select the five most problematic factors for doing business in their country and to rank them between 1 (most problematic) and 5. The score corresponds to the responses weighted according to their rankings.

Index Component	Rank/137	Value	Trend	Index Component	Rank/137	Value	Trend
<b>1st pillar: Institutions</b>	<b>21</b>	<b>5.3</b>		<b>6th pillar: Goods market efficiency</b>	<b>11</b>	<b>5.3</b>	
1.01 Property rights	23	5.6		6.01 Intensity of local competition	10	5.9	
1.02 Intellectual property protection	20	5.7		6.02 Extent of market dominance	4	5.5	
1.03 Diversion of public funds	21	5.2		6.03 Effectiveness of anti-monopoly policy	8	5.3	
1.04 Public trust in politicians	13	5.1		6.04 Effect of taxation on incentives to invest	22	4.6	
1.05 Irregular payments and bribes	29	5.5		6.05 Total tax rate % profits	105	48.9	
1.06 Judicial independence	24	5.5		6.06 No. of procedures to start a business	104	9	
1.07 Favoritism in decisions of government officials	10	5.0		6.07 Time to start a business days	66	10.5	
1.08 Efficiency of government spending	6	5.4		6.08 Agricultural policy costs	8	5.0	
1.09 Burden of government regulation	7	4.8		6.09 Prevalence of non-tariff barriers	16	5.1	
1.10 Efficiency of legal framework in settling disputes	15	5.3		6.10 Trade tariffs % duty	6	1.1	
1.11 Efficiency of legal framework in challenging regulations	9	5.1		6.11 Prevalence of foreign ownership	34	5.1	
1.12 Transparency of government policymaking	18	5.5		6.12 Business impact of rules on FDI	30	5.2	
1.13 Business costs of terrorism	67	5.1		6.13 Burden of customs procedures	17	5.3	
1.14 Business costs of crime and violence	51	5.0		6.14 Imports % GDP	79	39.4	
1.15 Organized crime	59	5.0		6.15 Degree of customer orientation	15	5.7	
1.16 Reliability of police services	38	5.3		6.16 Buyer sophistication	8	4.8	
1.17 Ethical behavior of firms	22	5.3		<b>7th pillar: Labor market efficiency</b>	<b>14</b>	<b>5.0</b>	
1.18 Strength of auditing and reporting standards	24	5.7		7.01 Cooperation in labor-employer relations	21	5.3	
1.19 Efficacy of corporate boards	24	5.6		7.02 Flexibility of wage determination	114	4.3	
1.20 Protection of minority shareholders' interests	17	5.3		7.03 Hiring and firing practices	18	4.6	
1.21 Strength of investor protection 0-10 (best)	51	6.0		7.04 Redundancy costs weeks of salary	91	21.6	
<b>2nd pillar: Infrastructure</b>	<b>10</b>	<b>6.0</b>		7.05 Effect of taxation on incentives to work	34	4.4	
2.01 Quality of overall infrastructure	12	5.7		7.06 Pay and productivity	7	5.2	
2.02 Quality of roads	15	5.5		7.07 Reliance on professional management	17	5.6	
2.03 Quality of railroad infrastructure	9	5.5		7.08 Country capacity to retain talent	13	5.1	
2.04 Quality of port infrastructure	18	5.5		7.09 Country capacity to attract talent	13	5.0	
2.05 Quality of air transport infrastructure	16	5.8		7.10 Female participation in the labor force ratio to men	39	0.89	
2.06 Available airline seat kilometers millions/week	6	5,574.0		<b>8th pillar: Financial market development</b>	<b>12</b>	<b>5.0</b>	
2.07 Quality of electricity supply	29	6.2		8.01 Availability of financial services	16	5.3	
2.08 Mobile-cellular telephone subscriptions /100 pop.	76	114.5		8.02 Affordability of financial services	7	5.2	
2.09 Fixed-telephone lines /100 pop.	6	53.7		8.03 Financing through local equity market	8	5.4	
<b>3rd pillar: Macroeconomic environment</b>	<b>12</b>	<b>6.1</b>		8.04 Ease of access to loans	10	5.2	
3.01 Government budget balance % GDP	8	0.8		8.05 Venture capital availability	6	4.6	
3.02 Gross national savings % GDP	33	27.6		8.06 Soundness of banks	53	5.3	
3.03 Inflation annual % change	48	0.4		8.07 Regulation of securities exchanges	24	5.4	
3.04 Government debt % GDP	99	67.6		8.08 Legal rights index 0-10 (best)	49	6	
3.05 Country credit rating 0-100 (best)	3	94.7		<b>9th pillar: Technological readiness</b>	<b>8</b>	<b>6.2</b>	
<b>4th pillar: Health and primary education</b>	<b>13</b>	<b>6.5</b>		9.01 Availability of latest technologies	16	6.1	
4.01 Malaria incidence cases/100,000 pop.	n/a	s.l.		9.02 Firm-level technology absorption	12	5.7	
4.02 Business impact of malaria	n/a	6.3		9.03 FDI and technology transfer	11	5.4	
4.03 Tuberculosis incidence cases/100,000 pop.	24	8.1		9.04 Internet users % pop.	14	89.6	
4.04 Business impact of tuberculosis	59	5.7		9.05 Fixed-broadband Internet subscriptions /100 pop.	9	38.1	
4.05 HIV prevalence % adult pop.	1	0.1		9.06 Internet bandwidth kb/s/user	42	107.5	
4.06 Business impact of HIV/AIDS	50	5.8		9.07 Mobile-broadband subscriptions /100 pop.	40	80.2	
4.07 Infant mortality deaths/1,000 live births	20	3.1		<b>10th pillar: Market size</b>	<b>5</b>	<b>6.0</b>	
4.08 Life expectancy years	28	81.1		10.01 Domestic market size index	5	5.8	
4.09 Quality of primary education	20	5.3		10.02 Foreign market size index	3	6.5	
4.10 Primary education enrollment rate net %	23	98.7		10.03 GDP (PPP) PPP \$ billions	5	3,980.3	
<b>5th pillar: Higher education and training</b>	<b>15</b>	<b>5.7</b>		10.04 Exports % GDP	40	46.4	
5.01 Secondary education enrollment rate gross %	36	102.7		<b>11th pillar: Business sophistication</b>	<b>5</b>	<b>5.6</b>	
5.02 Tertiary education enrollment rate gross %	32	68.3		11.01 Local supplier quantity	4	5.7	
5.03 Quality of the education system	9	5.4		11.02 Local supplier quality	5	5.8	
5.04 Quality of math and science education	15	5.3		11.03 State of cluster development	4	5.4	
5.05 Quality of management schools	23	5.3		11.04 Nature of competitive advantage	11	5.8	
5.06 Internet access in schools	31	5.2		11.05 Value chain breadth	7	5.6	
5.07 Local availability of specialized training services	17	5.6		11.06 Control of international distribution	2	5.5	
5.08 Extent of staff training	6	5.4		11.07 Production process sophistication	10	5.9	
				11.08 Extent of marketing	6	5.5	
				11.09 Willingness to delegate authority	13	5.5	
				<b>12th pillar: Innovation</b>	<b>5</b>	<b>5.6</b>	
				12.01 Capacity for innovation	5	5.8	
				12.02 Quality of scientific research institutions	11	5.7	
				12.03 Company spending on R&D	4	5.6	
				12.04 University-industry collaboration in R&D	7	5.4	
				12.05 Gov't procurement of advanced technology products	6	4.9	
				12.06 Availability of scientists and engineers	11	5.2	
				12.07 PCT patents applications/million pop.	7	218.9	

**Note:** Values are on a 1-to-7 scale unless indicated otherwise. Trend lines depict evolution in values since the 2012-2013 edition (or earliest edition available). For detailed definitions, sources, and periods, consult the interactive Economy Profiles and Rankings at <http://gcr.weforum.org/>