



# **WIPO Services and Initiatives**

**Monika Zikova**

**Russian Federation  
2019**



- International intergovernmental organization
- Since 1967
- 192 member states
- 1300 staff from 121 countries
- 26 treaties
- Self-funding



**New York**

**Algeria**

**Nigeria**

**Brazil**

**Geneva HQ**

**Russia**

**Singapore**

**China**

**Japan**



we help governments,  
businesses and  
individuals make  
**intellectual property**  
work for **innovation**  
and **creativity**

# Economic Development

**Policy**

**Services**

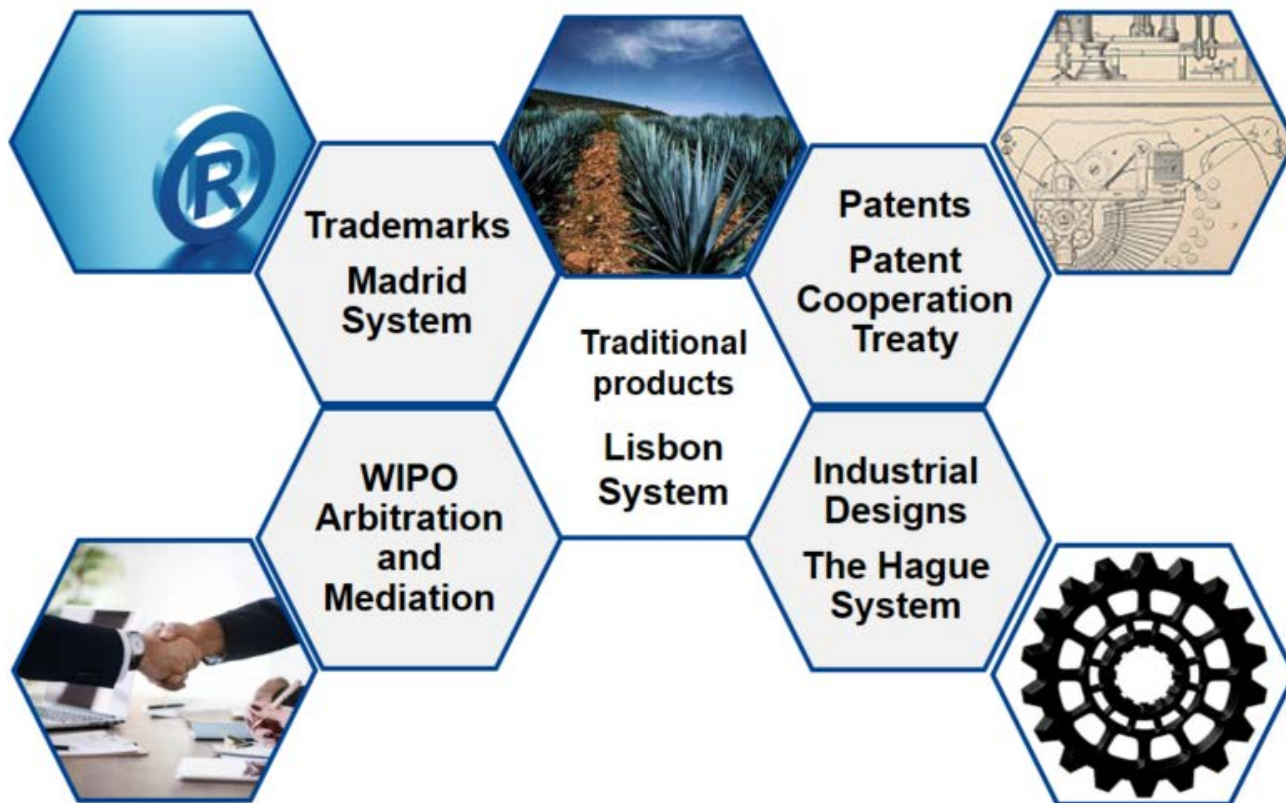
**Infrastructure**

**Cooperation**

**How do we do it?**

# Global Policymaking





# Global Infrastructure







## Statistical Country Profiles

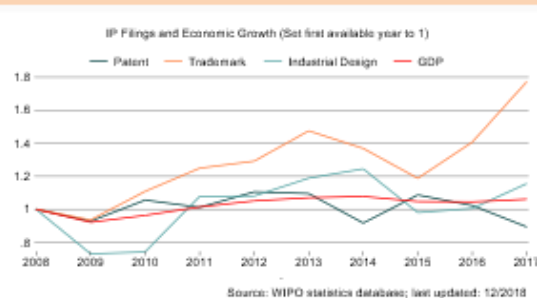


### Russian Federation

Population (Million): 144.50 (2017)  
Gross Domestic Product (Billion US\$)(Constant 2011 US\$ (PPP): 3,636.65 (2017)

#### IP Filings (Resident + Abroad, Including Regional) and Economy

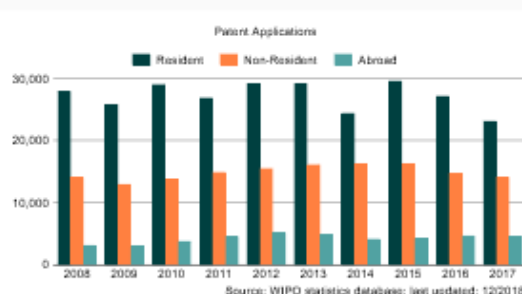
Year	Patent	Trademark	Industrial Design	GDP (Constant 2011 US\$)
2008	31,095	177,536	5,535	3,426.67
2009	28,859	166,140	4,043	3,158.68
2010	32,837	196,876	4,107	3,300.93
2011	31,464	221,773	5,968	3,475.39
2012	34,379	229,361	5,980	3,602.44
2013	34,067	261,901	6,580	3,666.76
2014	28,512	242,982	6,890	3,693.84
2015	33,798	210,894	5,427	3,589.37
2016	31,817	249,796	5,564	3,581.30
2017	27,782	314,811	6,398	3,636.65



#### Patent

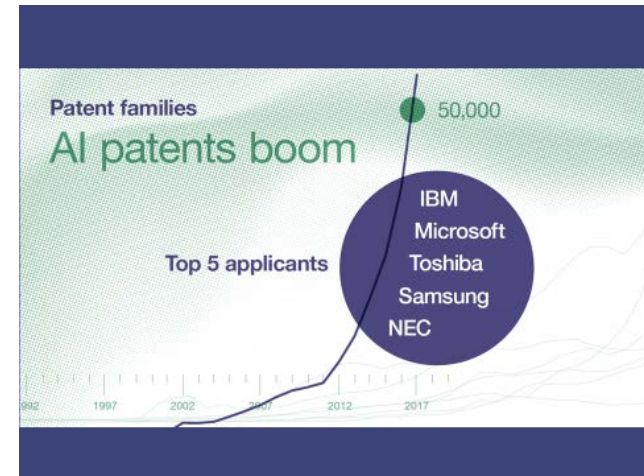
##### Patent Applications

Year	Resident	Non-Resident	Abroad
2008	27,936	14,137	3,159
2009	25,824	12,966	3,035
2010	29,022	13,778	3,815
2011	26,879	14,919	4,585
2012	29,174	15,510	5,205
2013	29,120	16,149	4,947
2014	24,370	16,236	4,142
2015	29,567	16,248	4,231
2016	27,136	14,792	4,681
2017	23,115	14,106	4,667



# WIPO Reports and Publications

- World Intellectual Property Indicators
- Global Innovation Index
- Technology Trends





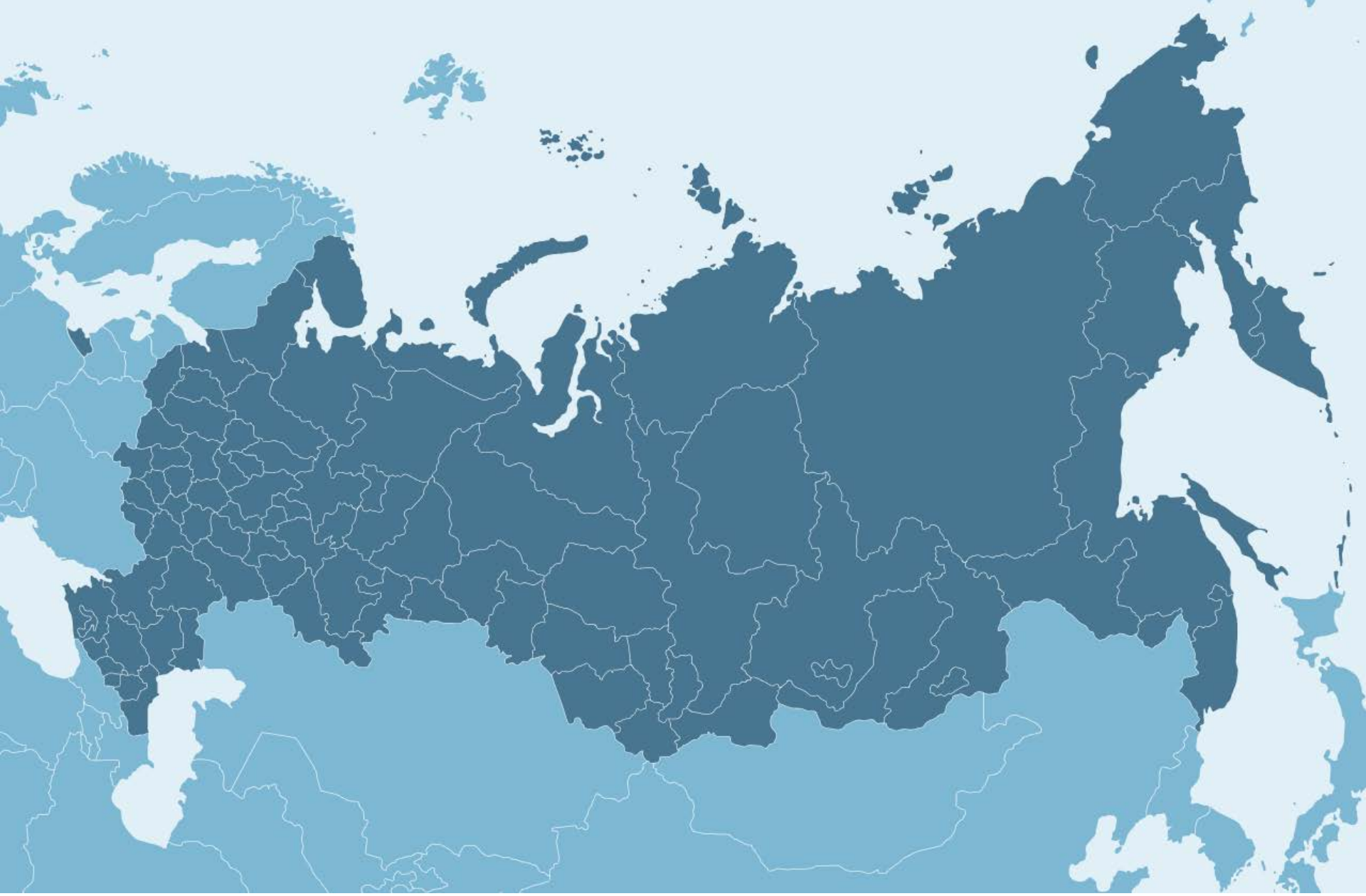
Cornell  
SC Johnson College of Business



# GLOBAL INNOVATION INDEX 2019

Creating Healthy Lives—The Future of Medical Innovation





Output rank	Input rank	Income	Region	Population (mn)	GDP, PPP\$	GDP per capita, PPP\$	GII 2018 rank
59	41	Upper middle	EUR	144.0	4,179.6	29,266.9	46
<b>INSTITUTIONS</b> <span style="float: right;">Score/Value Rank</span>				<b>BUSINESS SOPHISTICATION</b> <span style="float: right;">Score/Value Rank</span>			
60.9 74				40.0 35			
<b>1.1 Political environment</b>	50.2	83		<b>5.1 Knowledge workers</b>	58.0	25	◆
1.1.1 Political and operational stability*	61.4	91	○	5.1.1 Knowledge-intensive employment, %	44.3	18	◆◆
1.1.2 Government effectiveness*	44.7	76		5.1.2 Firms offering formal training, % firms	46.2	27	
<b>1.2 Regulatory environment</b>	56.5	95	○	5.1.3 GERD performed by business, % GDP	0.7	31	◆
1.2.1 Regulatory quality*	29.2	103	○	5.1.4 GERD financed by business, %	30.2	58	
1.2.2 Rule of law*	25.4	111	○	5.1.5 Females employed w/advanced degrees, %	26.3	7	◆◆
1.2.3 Cost of redundancy dismissal, salary weeks	17.3	73		<b>5.2 Innovation linkages</b>	19.1	93	
<b>1.3 Business environment</b>	75.8	43		5.2.1 University/industry research collaboration†	49.6	40	
1.3.1 Ease of starting a business*	93.0	29		5.2.2 State of cluster development*	41.4	89	
1.3.2 Ease of resolving insolvency*	58.6	50		5.2.3 GERD financed by abroad, %	2.6	73	
				5.2.4 JV-strategic alliance deals/bn PPP\$ GDP	0.0	69	
				5.2.5 Patent families 2+ offices/bn PPP\$ GDP	0.1	52	
<b>HUMAN CAPITAL &amp; RESEARCH</b> <span style="float: right;">Score/Value Rank</span>				<b>KNOWLEDGE &amp; TECHNOLOGY OUTPUTS...</b> <span style="float: right;">Score/Value Rank</span>			
48.3 23				27.1 47			
<b>2.1 Education</b>	57.6	35		<b>6.1 Knowledge creation</b>	29.9	30	◆
2.1.1 Expenditure on education, % GDP	3.8	86		6.1.1 Patents by origin/bn PPP\$ GDP	5.8	20	◆◆
2.1.2 Government funding/pupil, secondary, % GDP/cap...	n/a	n/a		6.1.2 PCT patents by origin/bn PPP\$ GDP	0.2	47	
2.1.3 School life expectancy, years	15.5	37		6.1.3 Utility models by origin/bn PPP\$ GDP	2.5	8	◆◆
2.1.4 PISA scales in reading, maths, & science	491.8	26	◆	6.1.4 Scientific & technical articles/bn PPP\$ GDP	6.9	63	
2.1.5 Pupil-teacher ratio, secondary	8.8	15	◆◆	6.1.5 Citable documents H-index	37.4	22	◆◆
<b>2.2 Tertiary education</b>	50.3	14	◆◆	<b>6.2 Knowledge impact</b>	33.9	77	
2.2.1 Tertiary enrolment, % gross	81.8	17	◆◆	6.2.1 Growth rate of PPP\$ GDP/worker, %	1.0	63	
2.2.2 Graduates in science & engineering, %	30.9	10	◆◆	6.2.2 New businesses/th pop. 15-64	4.3	29	
2.2.3 Tertiary inbound mobility, %	3.9	54		6.2.3 Computer software spending, % GDP	0.2	63	
<b>2.3 Research &amp; development (R&amp;D)</b>	36.9	30	◆	6.2.4 ISO 9001 quality certificates/bn PPP\$ GDP	0.9	111	○
2.3.1 Researchers, FTE/mn pop.	2,851.7	33	◆	6.2.5 High- & medium-high-tech manufactures, %	0.3	43	
2.3.2 Gross expenditure on R&D, % GDP	1.1	33	◆	<b>6.3 Knowledge diffusion</b>	17.6	63	
2.3.3 Global R&D companies, avg. exp. top 3, mn US\$	42.3	40	◆	6.3.1 Intellectual property receipts, % total trade	0.2	39	◆
2.3.4 QS university ranking, average score top 3*	46.7	24	◆	6.3.2 High-tech net exports, % total trade	2.6	49	
				6.3.3 ICT services exports, % total trade	1.3	71	
				6.3.4 FDI net outflows, % GDP	1.9	30	
<b>INFRASTRUCTURE</b> <span style="float: right;">Score/Value Rank</span>				<b>CREATIVE OUTPUTS</b> <span style="float: right;">Score/Value Rank</span>			
47.1 62				25.1 72			
<b>3.1 Information &amp; communication technologies (ICTs)</b>	80.7	29	◆	<b>7.1 Intangible assets</b>	39.4	71	
3.1.1 ICT access*	74.0	51	◆	7.1.1 Trademarks by origin/bn PPP\$ GDP	58.1	38	
3.1.2 ICT use*	64.9	45	◆	7.1.2 Industrial designs by origin/bn PPP\$ GDP	0.9	69	
3.1.3 Government's online service*	91.7	25	◆	7.1.3 ICTs & business model creation†	53.3	91	○
3.1.4 E-participation*	92.1	23	◆	7.1.4 ICTs & organizational model creation†	58.4	49	
<b>3.2 General infrastructure</b>	31.5	81		<b>7.2 Creative goods &amp; services</b>	9.8	88	
3.2.1 Electricity output, kWh/mn pop.	7,544.3	28	◆	7.2.1 Cultural & creative services exports, % total trade	1.0	27	
3.2.2 Logistics performance*	32.4	74		7.2.2 National feature films/mn pop. 15-69	1.2	76	
3.2.3 Gross capital formation, % GDP	21.2	86		7.2.3 Entertainment & Media market/th pop. 15-69	6.5	43	
<b>3.3 Ecological sustainability</b>	29.2	101	○	7.2.4 Printing & other media, % manufacturing	0.8	78	○
3.3.1 GDP/unit of energy use	4.3	113	○	7.2.5 Creative goods exports, % total trade	0.3	68	
3.3.2 Environmental performance*	63.8	47		<b>7.3 Online creativity</b>	12.1	47	
3.3.3 ISO 14001 environmental certificates/bn PPP\$ GDP	0.2	112	○	7.3.1 Generic top-level domains (TLDs)/th pop. 15-69	3.5	61	
				7.3.2 Country-code TLDs/th pop. 15-69	13.3	34	
				7.3.3 Wikipedia edits/mn pop. 15-69	19.7	49	
				7.3.4 Mobile app creation/bn PPP\$ GDP	18.1	26	
<b>MARKET SOPHISTICATION</b> <span style="float: right;">Score/Value Rank</span>							
49.4 61							
<b>4.1 Credit</b>	34.6	69					
4.1.1 Ease of getting credit*	80.0	20					
4.1.2 Domestic credit to private sector, % GDP	52.7	62					
4.1.3 Microfinance gross loans, % GDP	0.0	73	○				
<b>4.2 Investment</b>	34.7	102	○				
4.2.1 Ease of protecting minority investors*	61.7	54					
4.2.2 Market capitalization, % GDP	38.9	39					
4.2.3 Venture capital deals/bn PPP\$ GDP	0.0	77	○				
<b>4.3 Trade, competition, &amp; market scale</b>	78.8	11	◆◆				
4.3.1 Applied tariff rate, weighted avg., %	3.6	71					
4.3.2 Intensity of local competition†	70.9	51					
4.3.3 Domestic market scale, bn PPP\$	4,179.6	6	◆◆				

# Public Private Partnerships

**PAT-INFORMED**

Search pharmaceutical patents by WIPO, EPO, national hydrocarbon databases

WIPO	Participant	Patents
Relaxation Procedures, Substances (Infringe)		METHODS FOR FORMULATIONS OF GALACTOSYL BONDING
Compensation Claims		CAUSALITY TESTS FOR SUBSTITUTED BENZENE DERIVATIVES (SULTONAM) BENZYLAMINE DERIVATIVES OF PROPHENOCARBYL PROPYL CARBAMATE
Database		FORMULATIONS OF A SUCRALOSE ESTER
Enrich Hydrocarbon		STABLE POLYMERIZATION OF 2-DIALLYL AMINE AMIDES AND MONOMERS OF QUINOLINONE-HETEROCYCLIC POLYMERIZATION AND POLYMERIZATION USING THERM
Herbicide		COMPOUNDS AND METHODS FOR DEVELOPMENT OF PEST MODULATORS
Lensatic Mesitate		SIMULINE DERIVATIVE CONTAINING PHARMACEUTICAL COMPOSITION
Adjuvant Medication, Ophthalmic		SOFT PHARMACEUTICAL COMPOSITION
Enrichment		Treatment of Paper with a Surface Coating with a Hydrophobic Compound
Styrene		CRYSTALLINE ESTERS
Unsaturated Bromide, Vinylic Toluene		PHENYLMETHYLENE DERIVATIVES FOR TREATMENT OF BACTERIAL DISEASES
Fibrous Fibre		COUNTER FOR USE WITH A MEDICAMENT DISPENSER
Alcohol Soluble		CARBONIC ACID DERIVATIVE AND ITS USE IN TREATING VIBRIOSIS
		POLYCYCLOPENTADIENE POLYMER HAVING AN INTERNAL CHIRALITY

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- Water

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• WHO infographics on NTDs

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