

# Benchmarking Russia and Ukraine with respect to the Innovation TrendChart

## Russian Data for the European Innovation Scoreboard

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# Data Sources for EIS (1)

	EU	RU
<b>1. INPUT - Innovation drivers</b>		
1.1. New S&E graduates	Eurostat	Rosstat
1.2. Population with tertiary education	Eurostat, OECD	Rosstat
1.3. Broadband penetration rate	Eurostat	Jason & Partners (com.)
1.4. Participation in life-long learning	Eurostat	Rosstat
1.5. Youth education attainment level	Eurostat	Rosstat
<b>2. INPUT - Knowledge creation</b>		
2.1. Public R&D expenditures	Eurostat, OECD	Rosstat
2.2. Business R&D expenditures	Eurostat, OECD	Rosstat
2.3. Share of medium-high/high-tech R&D	Eurostat, OECD	Rosstat
2.4. Enterprises receiving public funding for innovation	Eurostat (CIS-4)	Rosstat

# Data Sources for EIS (2)

	EU	RU
<b>3. INPUT - Innovation &amp; entrepreneurship</b>		
3.1. SMEs innovating in-house	Eurostat, CIS-3	Rosstat - est.
3.2. Innovative SMEs co-operating with others	Eurostat, CIS-4	Rosstat - est.
3.3. Innovation expenditures	Eurostat, CIS-4	Rosstat - est.
3.4. Early-stage venture capital	Eurostat	RVCA
3.5. ICT expenditures	Eurostat	WITSA, Rosstat
3.6. SMEs using organizational innovation	Eurostat, CIS-4	Rosstat - est.
<b>4. OUTPUT - Application</b>		
4.1. Employment in high-tech services	Eurostat	Rosstat
4.2. Exports of high technology products	Eurostat	WB, Rosstat
4.3. Sales of new-to-market products	Eurostat, CIS-4	Rosstat
4.4. Sales of new-to-firm products	Eurostat, CIS-4	Rosstat
4.5. Employment in med.-high/high-tech man.	Eurostat	Rosstat - est.

# Data Sources for EIS (3)

	EU	RU
<b>5. OUTPUT - Intellectual property</b>		
5.1. EPO patents per million population	Eurostat	OECD
5.2. USPTO patents per million population	Eurostat, OECD	USPTO
5.3. Triad patents per million population	Eurostat, OECD	OECD
5.4. Community trademarks per million population	OHIM*	OHIM*
5.5. Community industrial designs per million population	OHIM*	OHIM*

\* Office for Harmonization in the Internal Market (Trade Marks and Designs)

# European Innovation Scoreboard 2006: EU and Russia (INPUT - Innovation drivers)

		EU15	EU25	RU	RU/EU25
1.1.	New S&E graduates per 1000 population aged 20-29	13.6	12.7	12.3	0.97
1.2.	Population with tertiary education per 100 population aged 25-64	24.0	22.8	52.0	2.28
1.3.	Broadband penetration rate (number of broadband lines per 100 population)	12.0	10.6	1.69	0.16
1.4.	Participation in life-long learning per 100 population aged 25-64	12.1	11.0	1.2	0.11
1.5.	Youth education attainment level (% of population aged 20-24 having completed at least upper secondary education)	74.1	76.9	88.0	1.14

# European Innovation Scoreboard 2006: EU and Russia (INPUT - Knowledge creation)

		EU15	EU25	RU	RU/EU25
2.1.	Public R&D expenditures (% of GDP)	0.66	0.65	0.36	0.55
2.2.	Business R&D expenditures (% of GDP)	1.24	1.20	0.72	0.6
2.3.	Share of medium-high/high-tech R&D (% of manufacturing R&D expenditures)	89.2	--	80.5	0.9 (eu15)
2.4.	Enterprises receiving public funding for innovation (%)	n/a	n/a	0.93	--

# European Innovation Scoreboard 2006: EU and Russia (INPUT - Innovation & entrepreneurship)

		EU15	EU25	RU	RU/EU25
3.1.	SMEs innovating in-house (% of SMEs)	n/a	n/a	2.23	--
3.2.	Innovative SMEs co-operating with others (% of SMEs)	n/a	n/a	1.08	--
3.3.	Innovation expenditures (% of turnover)	n/a	n/a	1.62	--
3.4.	Early-stage venture capital (% of GDP)	0.023	--	0.004	0.17 (eu15)
3.5.	ICT expenditures (% of GDP)	6.4	6.4	3.55 (0.94) r	0.55 (0.15) r
3.6.	SMEs using organizational innovation (% of SMEs)	n/a	n/a	16.91	--

# European Innovation Scoreboard 2006: EU and Russia (OUTPUT - Application)

		EU15	EU25	RU	RU/EU25
4.1.	Employment in high-tech services (% of total workforce)	3.49	3.35	6.70	2.0
4.2.	Exports of high technology products (%)	17.7	18.4	7.99 8.09 wb-05	0.43 0.44 wb
4.3.	Sales of new-to-market products (% of turnover)	n/a	n/a	0.46	--
4.4.	Sales of new-to-firm products (% of turnover)	n/a	n/a	2.19	--
4.5.	Employment in medium-high/high-tech manufacturing (% of total workforce)	6.71	6.66	10.46	1.57



# European Innovation Scoreboard 2006: EU and Russia (OUTPUT - Intellectual property)

		EU15	EU25	RU	RU/EU25
5.1.	EPO patent applications per million population	161.4	136.7	1.39 196.1 r	0.01
5.2.	USPTO patents per million population	60.2	50.9	1.21 134.6 r	0.02
5.3.	Triad patents per million population	38.9	32.7	0.34	0.01
5.4.	Community trademarks per million population	155.7	100.7	0.21 96.3 r	0.002
5.5.	Community industrial designs per million population	127.6	110.9	0.23 18.8 r	0.002

# Access to TrendChart Information and EIS Data

- Full information on TrendChart:  
<http://www.proinno-europe.eu/trendchart>
- EU EIS data used for this presentation:  
"EUROPEAN INNOVATION SCOREBOARD 2006  
COMPARATIVE ANALYSIS OF INNOVATION PERFORMANCE"  
(MERIT & JRC of the EU, 2007)
- Russian EIS data:  
BRUIT Project, Oct. 2006 - Jan. 2008

Thank you for your attention!  
Спасибо за внимание!