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Lappeenranta University of Technology

Innovation Potential in Russia

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Dmitri Medvedev, Presidential Address to the Federal Assembly of the Russian Federation



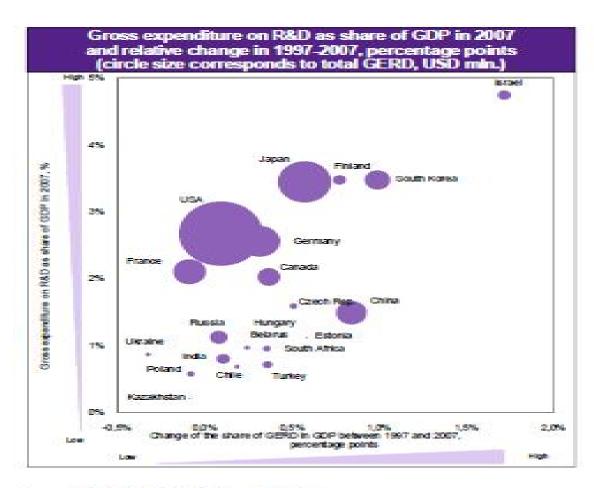
"I published my proposal to reflect on how we can overcome our chronic backwardness, dependence on raw materials exports, and corruption, how we can prepare ourselves for the fierce competition on global markets, and create the best possibilities for ensuring that each of us can make full use in practice of our knowledge, opportunities, and experience without depending on higher-ups.

In other words, I proposed that we reflect on the steps we need to take right now to improve the quality of life in Russia and make our country one of the world's leaders. ..."

Moscow, November 12, 2009

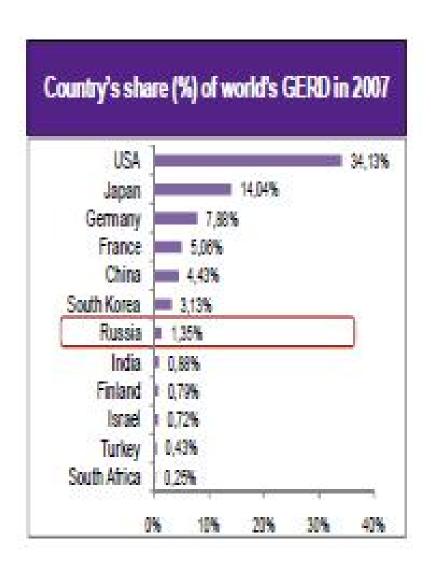


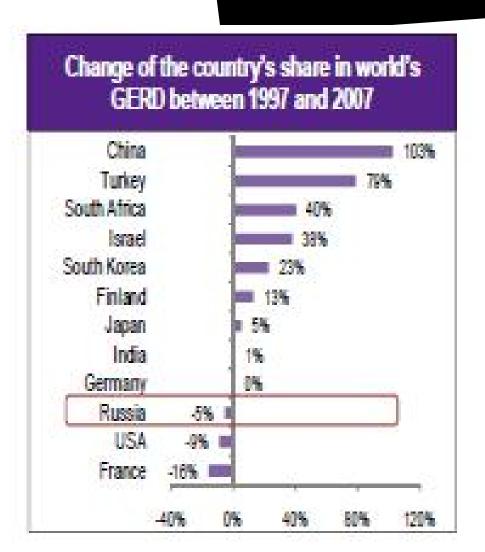




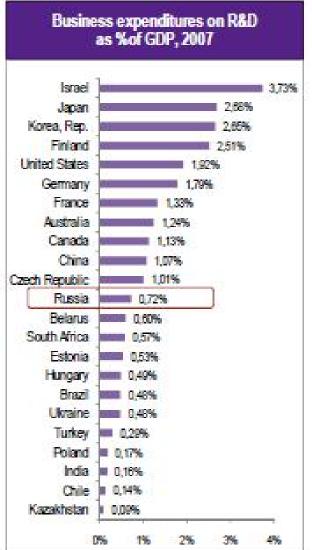


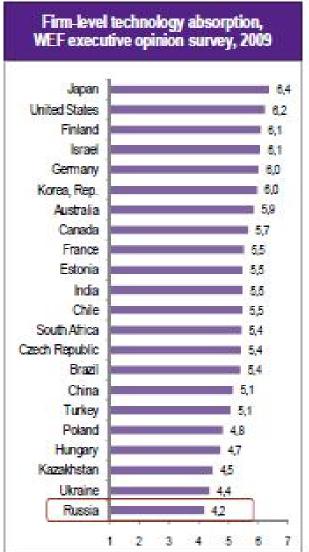




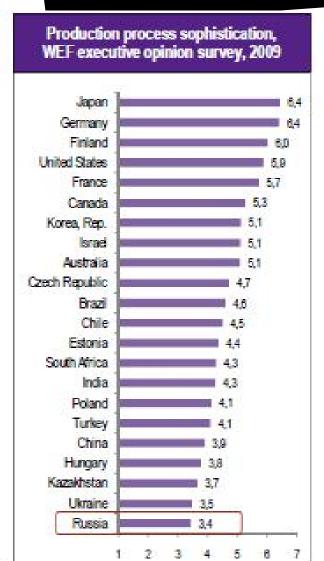


The state of innovation in Russia according to statistics and WEF Executive Opinion Survey 2009-2010









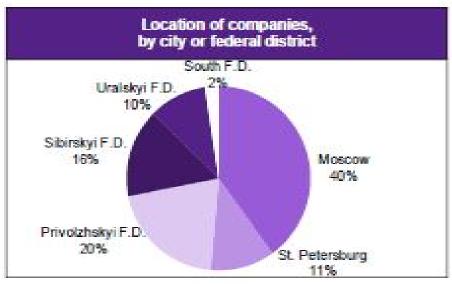
Research Setting

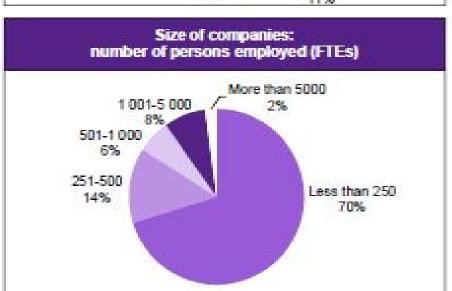


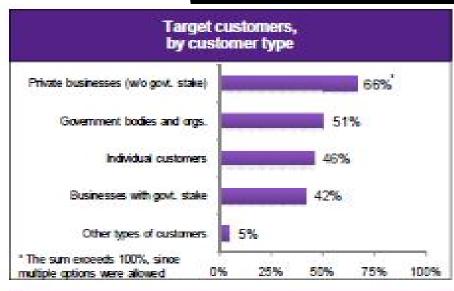
- The data for our analysis were taken from the Russian Innovation Survey 2009- 2010, which is a part of joint effort by Bauman Innovation and OPORA (the All-Russian association of SME unions) to evaluate the strengths and weaknesses of the national innovation system in Russia.
- The objective of the survey was to evaluate innovation activity and innovation performance in Russia, as well as to identify the priorities of the government policy to promote innovation.
- Due to the research budget constraints it was decided to enrol a sample of 250 executives.

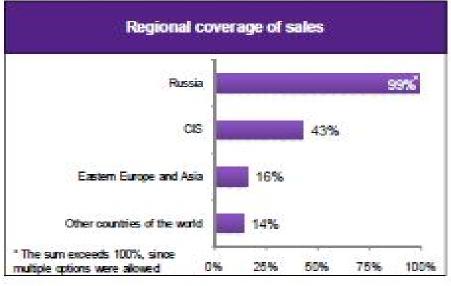
Research Setting









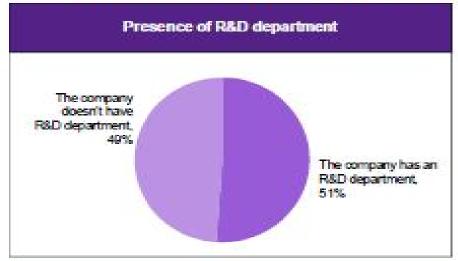


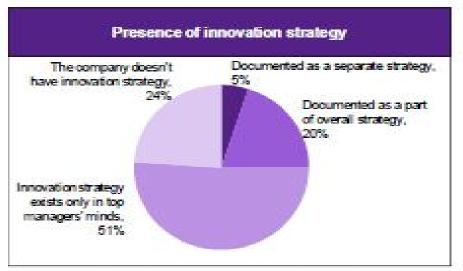
Source: Bauman Innovation and OPORA - Russian Innovation Survey 2009-2010

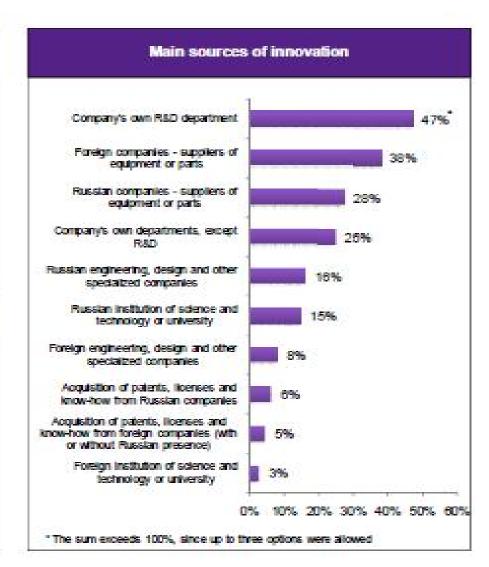
Empirical Results

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Sample characteristics (innovation), %



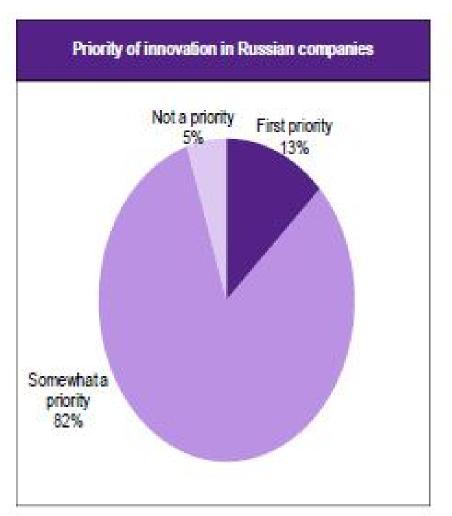


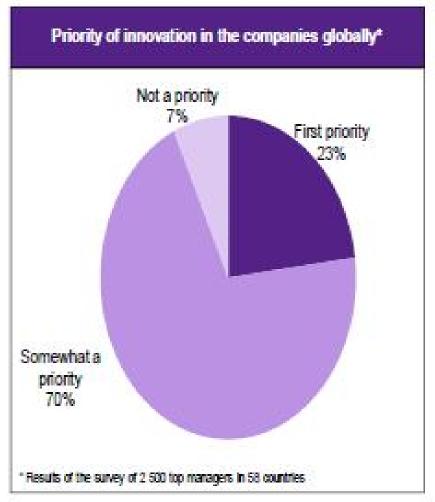


Source: Bauman Innovation and OPORA - Russian Innovation Survey 2009-2010









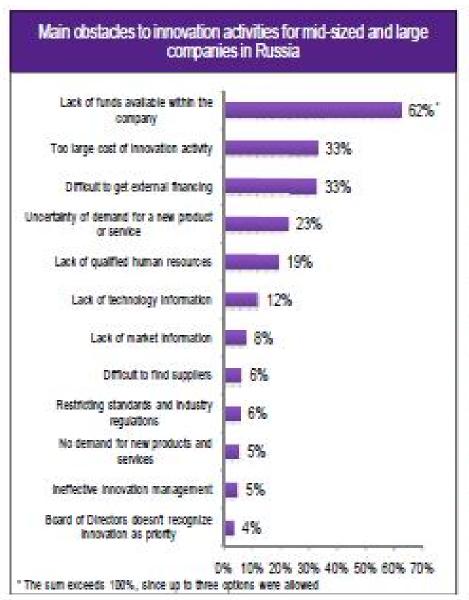
Discussion in groups



- 1. What kind of obstacles to innovation there are in Russian companies?
- 2. What kind of recommendations could be offered for the strong innovation development in Russian companies? Propose some steps for innovation improvement in companies...

Obstacles to Innovation





Rankings of obstades to innovation for EU-companies

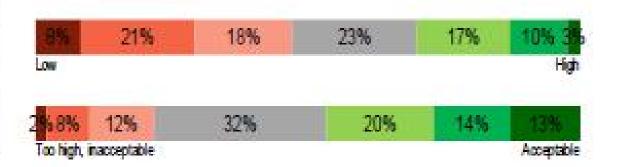
S.	Innovative companies*		Non-innovative companies*
1	Lack of funds available within the company	1	No demand for new products and services
2	Difficult to get external financing	2	Lack of funds available within the company
3	Uncertainty of demand for a new product or service	3	Difficult to get external financing
4	Difficult to find suppliers	4	Difficult to find suppliers
5	Too large cost of innovation activity	5	Uncertainty of demand for a new product or service
6	Lack of qualified human resources	6	Too large cost of innovation activity
7	No demand for new products and services	7	Restricting standards and industry regulations
8	Restricting standards and industry regulations	8	Lack of qualified human resources
9	Lack of market information	9	Lack of technology information
10	Lack of technology information	10	Lack of market information

Barriers to innovation: human resources and education



Availability of engineers and technicians

Cost to hire engineers and technicians



Education quality in vocational schools and technical colleges

Quality of higher education in natural sciences and engineering

Quality of math and science education in school



Some survey-based policy recommendations



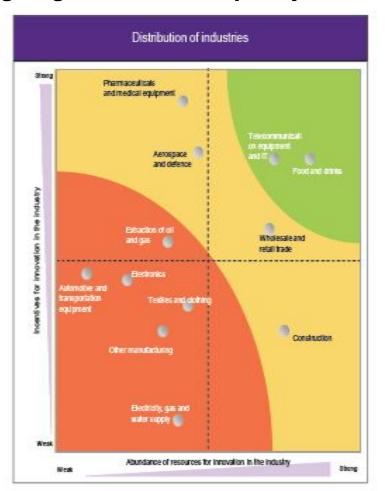
 The government should take into account industry-specific characters, when designing its innovation policy

Incentives for innovation in the industry

- Intensity of local competition
- Private sector demand for innovative products
- Intellectual property protection

Resources for innovation in the industry

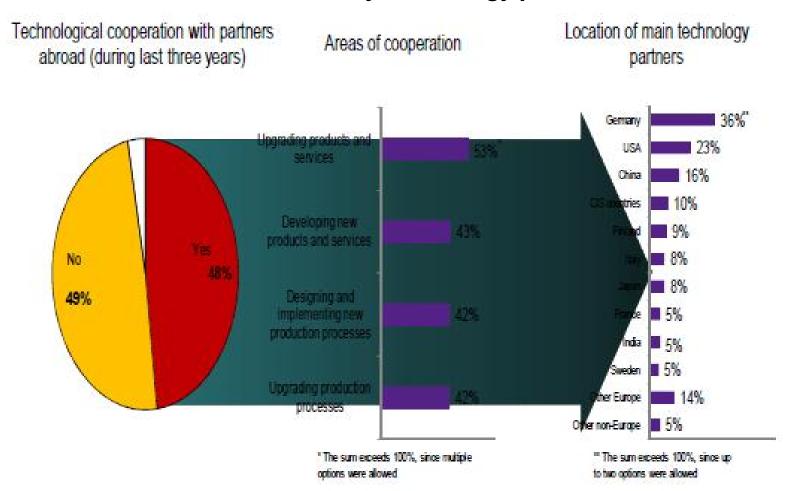
- Availability of funds for innovation
- Availability of human resources
- Quantity and quality of components suppliers and equipment
- Opportunities to procure R&D externally



Some survey-based policy recommendations



 Establish associations and specialised technology trade agents between Russia and her key technology partners



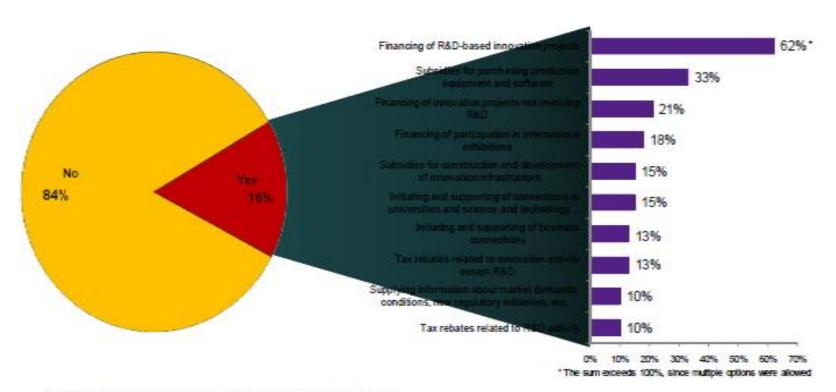
Some survey-based policy recommendations



 The surveyed firms regard the R&D funding as well as policy steps to increase effectiveness of the R&D-related institutions as the highest priority measures in the Russian government's innovation policy

Companies receiving support via government's innovation support programs

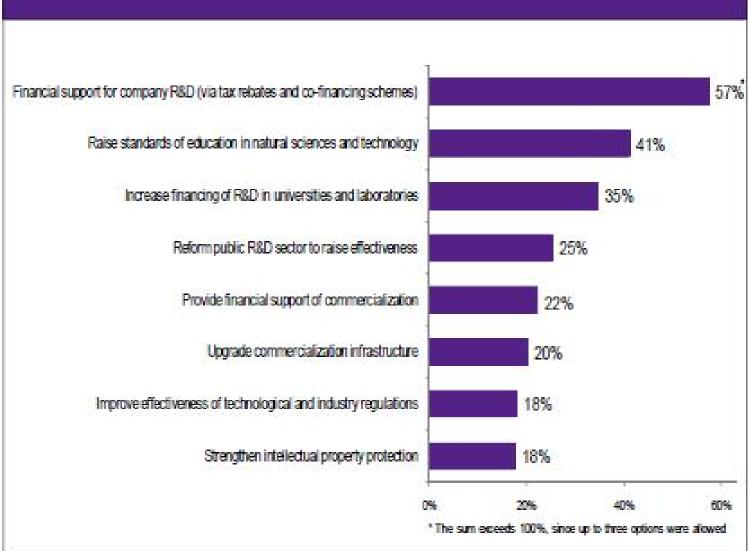
Forms of innovation support received















"... there is nothing more difficult to carry out, nor more doubtful of success, nor more dangerous to handle, than to initiate a new order of things. For the reformer has enemies in all those who profit by the old order, and only lukewarm defenders in all those who would profit by the new order ... arising partly from fear of adversaries ... and partly from the incredulity of mankind, who do not truly believe in anything new until they have actually experience of it."

Nicolo Machiavelli Philosopher