



ENERGY EFFICENCY& SAVING IN RUSSIA:

R&D POLICY & LATEST INITIATIVES

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**FEDERAL AGENCY FOR SCIENCE AND INNOVATION
RUSSIAN FEDERATION**

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and Improved Energy Efficiency of Buildings

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FASI's FUNCTIONS

- Practical implementation of the state policy in the field of S&T and innovation activities
- S&T development forecasts and roadmapping
- Financing R&D and innovation activities (through special RDD programmes)
- Coordinator & contact point for governmental agencies of foreign states & international organizations on S&T cooperation



INTERNATIONAL COOPERATION

- Bilateral cooperation
- International Partnerships and multilateral international initiatives: CSLF, IPHE, M2M, GBEP, 3R initiative
- International organizations: IEA, UNDP, UNECE, GEF



RUSSIAN R&D POLICY

- Foundations of the Russian R&D policy up to 2010 and further
- Priorities of science and technologies development
- List of Critical Technologies



IMPLEMENTATION MECHANISMS

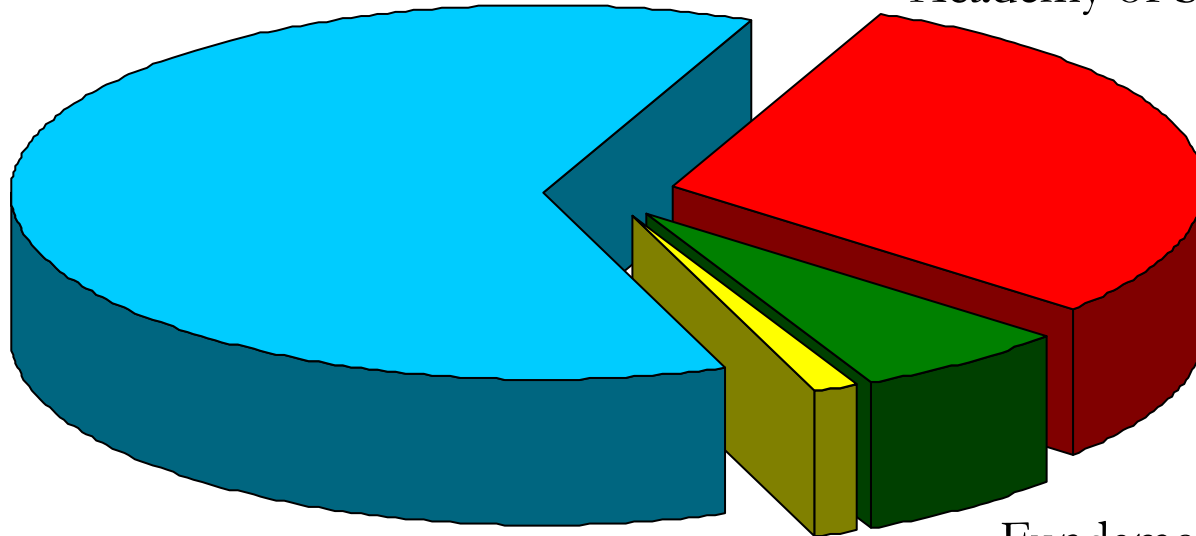
- RD&D programs
- Private public partnership
- International cooperation



GOVERNMENTAL FUNDING

Federal R&DD programmes - 62 %

Programmes of the Russian
Academy of Sciences - 30 %



Others - 1,5 %

Fundamental Research
Fund - 6,5 %



Federal Programs

- R & D in Priority Areas of Russia's S&T development for 2007 – 2012
- National Technological Basis for 2007-2011



FEDERAL PROGRAM

R&D PRIORITIES

- **Energy and Energy Saving**
- Living system
- Industry of Nanosystems and Materials
- Information and Telecommunication Systems
- Sound Nature Management



Types of projects:

- R&D (from knowledge generation to commercialization)
- Support of deployment activities (commercialization)
- VIP-projects
- Business initiated projects
- International collaborative projects



ET R&D Funding

2006 : 45 projects

funding – 1,2 bln. Roubles

2007: 210 projects

funding – 3,5 bln.roubles

2008: 215 projects

funding – 2, 5 bln.roubles

20 VIP-projects

funding – 10 bln. roubles



TECHNOLOGICAL PLATFORM: ENERGY EFFICIENCY & ENERGY SAVING

- R&DD (integrated, cross sectoral approach)
- Energy Efficiency & Energy Saving practical measures & programs – participants: universities, business & regions
- Network of energy saving centers
- System of energy servicing companies
- Education & Training
- Public Outreach

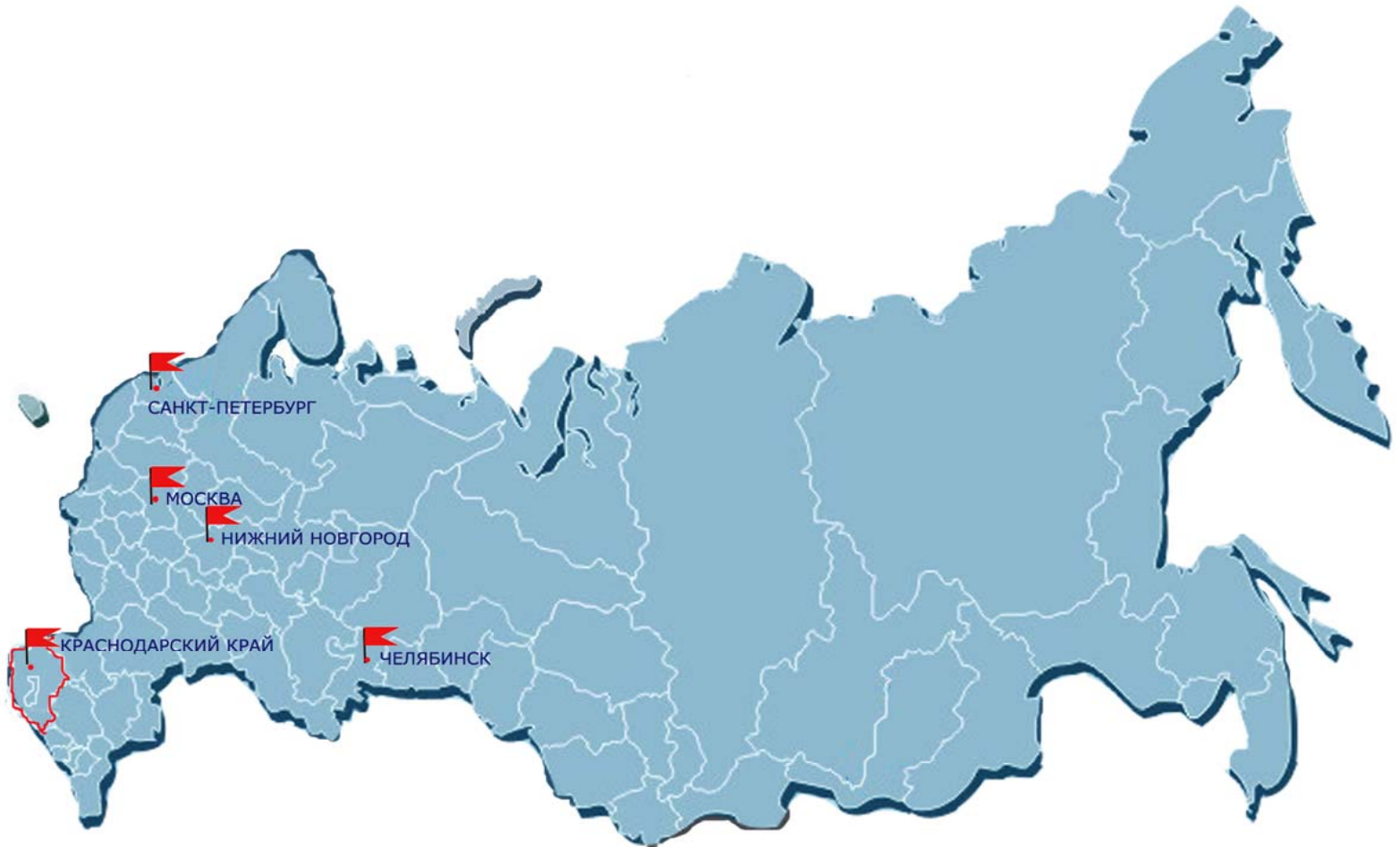


R&D projects

- Power generation & supply systems
- Distribution and regulation of energy and water supply
- Development of local systems allowing to reduce the areas in buildings to be heated and ventilated
- Utilization systems
- Introduction of non-traditional sources of power
- Development of energy saving heat-exchange equipment
- Efficient lightning systems
- Advanced automated accounting & billing systems
- Smart multi-level end-use power management systems



DEMONSTRATION PROJECTS





INTERNATIONAL PROJECTS

FASI & GEF/WB PROJECT:

Modernization of energy supply system at health care facilities

FASI & GEF/UNDP PROJECT:

Energy Saving Measures in the Educational sector

FASI & GEF/UNDP PROJECT:

Capacity Building to Reduce Key Barriers to Energy Efficiency in the Russian Residential Building and Heat Supply Sectors

FASI & GEF/UNDP PROJECT:

Standards and labeling to promote energy efficiency in Russia



FASI-IEA COOPERATION

- April 2008 – MOU on FASI-IEA cooperation
- October 2008 – FASI-NEET workshop: 17 IEA IA presented
- February 2009 – FASI delegation participates in 52 CERT meeting
- May 2009 – round table on commercial use of methane



FASI-IEA cooperation: global challenges – coordinated actions





FASI-IEA cooperation



FASI – IEA Workshop:



FASI-IEA cooperation



FASI – IEA Workshop



FASI- IEA: prospects for cooperation

- Cooperation with IEA Implementing Agreements and network of experts
- Joint studies and publication
- Information exchange (workshops, conferences)



FAS-IEA JOINT EVENTS

● 22-23 June 2009, Moscow

Workshop on ET Roadmapping

● 27-28 October 2009, Moscow

International Conference:

Energy Efficient Engineering Systems
in Buildings & Construction



THANK YOU FOR ATTENTION!

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