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ЭКОЛОГИЧЕСКОГО РАЗВИТИЯ

**TECHNOLOGICAL PLATFORM**  
**«TECHNOLOGY OF ENVIRONMENTAL DEVELOPMENT»:**  
*Experience of international cooperation*

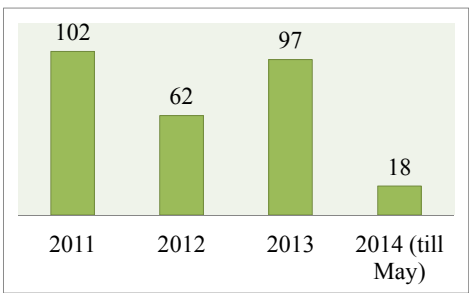
Natalia Shartova  
Executive Director



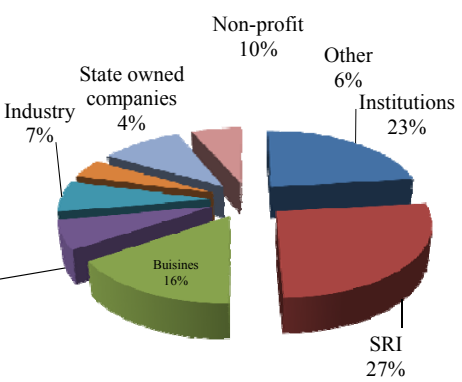
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**Constant interest to TP's activities**

**Participants – 279 organizations**




Year	Number of Participants
2011	102
2012	62
2013	97
2014 (till May)	18





Sector	Percentage
SRI	27%
Institutions	23%
Non-profit	10%
Business	16%
Engineering companies	7%
Industry	7%
Other	6%
State owned companies	4%

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**Стратегия**


 Long-term prognosis for scientific and technological development of Russia



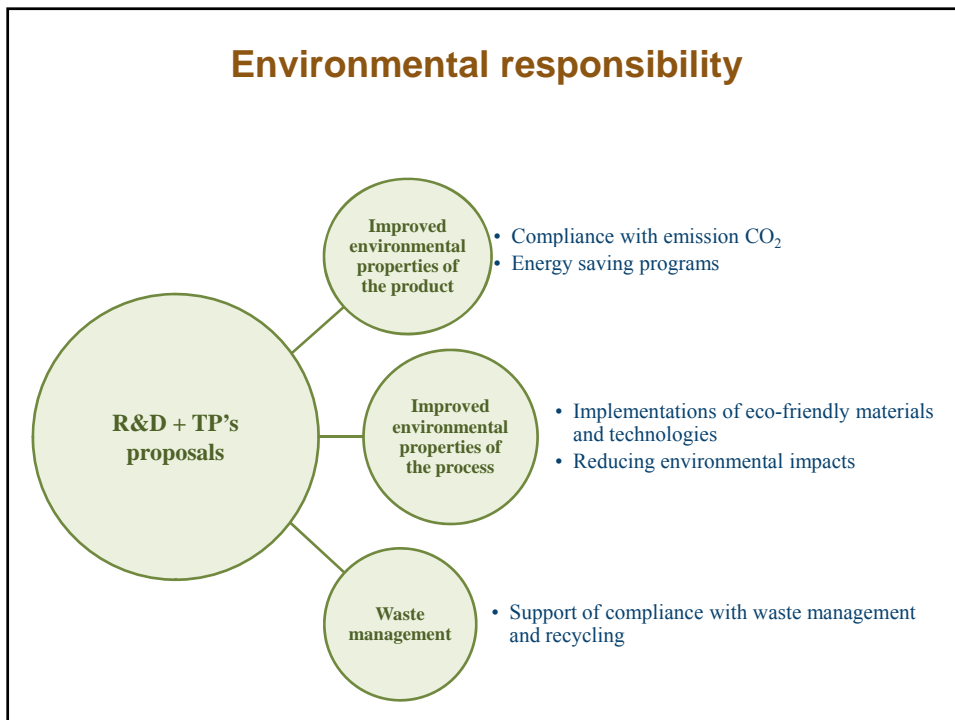
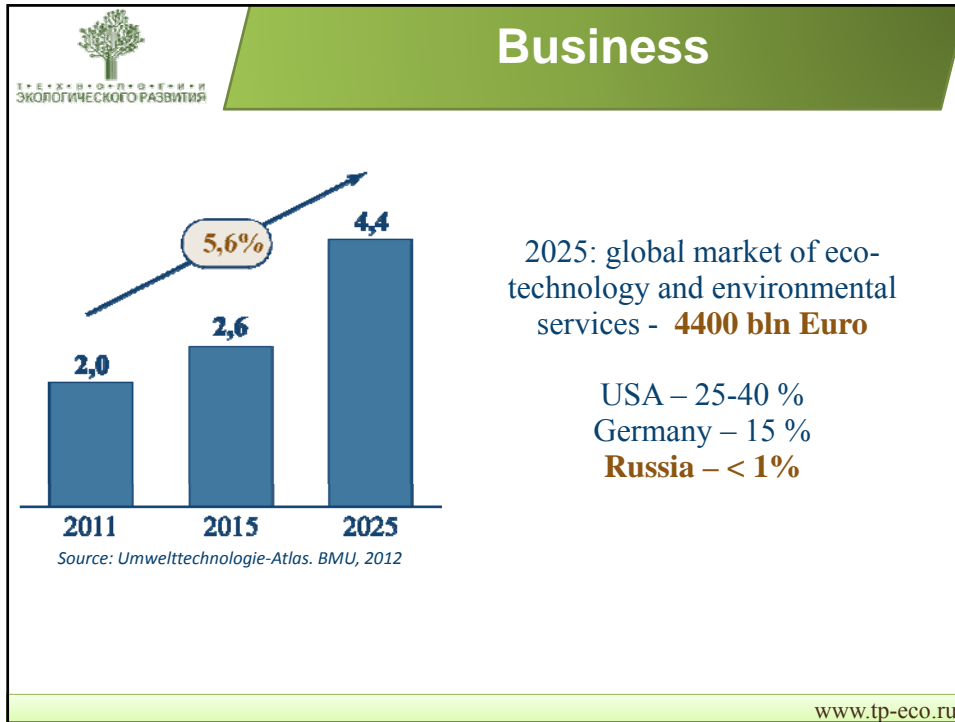
- Development of demand for environmental services - **key challenge**
- Weak environmental responsibility of business, lack of particular initiatives - **significant problem**


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**Tools for eco-efficient technological solutions**

- **Business:** R&D and innovative development program of state owned companies, large industrial enterprises
- **Government:** Federal target programs
- **Foundations and development institutions**

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## Government

President's message (December 2013)  
*«... As for applied research, this work should be focused on technological platforms»*

TP


Developer

Industrial Partner

➔

Implementation of the projects that will benefit the real economy, the commercialization of results

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## Development Institutions

Lack of ability for development financed with credit funds

Developer

Development Institution

Credit


Repayment

Production

??? Consumer

??? Demand

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## International cooperation

- **PEEX (The Pan-Eurasian Experiment):** multidisciplinary climate change, air quality, environment and research infrastructure program focused on the Northern Eurasian particularly arctic and boreal regions.
- **Environmental Technology Council:** evaluation of existing and next-generating technologies for hazardous waste and elimination of accumulated environmental damage.

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## Experience of international projects

Concept of the Strategy of Higher Education for Sustainable Development

Development of qualification framework in meteorology (Qualimet)



Marie Curie International Research Staff Exchange Scheme (IRSES)

**INTERACT** «International Network for Terrestrial Research and Monitoring in the Arctic» - 21 Universities


**IRSES** «Towards a comprehensive understanding of transport of energy and greenhouse gases in lacustrine ecosystems»

**IRSES** «Fluvial processes and erosion in European river systems, its ecological and social sequence under climate change and human activities impact»






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 **Experience of international projects**



**Towards COast to COast NETworks**  
of marine protected areas ( from the shore  
to the high and deep sea),  
coupled with sea-based wind energy  
potential

Identify groups of putatively interconnected MPAs in the Mediterranean and the Black Seas, shifting from local (single MPA) to regional (Networks of MPAs) and basin (network of networks) scales.

39 Partners from 23 countries of Europe and Africa, including two from Russia:

- Russian State Hydrometeorological University;
- Shirshov Institute of Oceanology of Russian Academy of Sciences.

Leader of the Project - Consiglio Nazionale delle Ricerche, Italy.

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 **Experience of international projects**

**Wind energy research in  
Satellite Oceanography Laboratory**

Dr. Bertrand Chapron (Space Oceanography Laboratory, IFREMER).

Research and educational activities in the field of development of new methods and technologies for processing, analysis and distribution of satellite data.

Mapping of wind energy potential of the Gulf of Finland.

Producing Wind Atlas for the Gulf of Finland and developing the simplified «engineering» approaches and algorithms of wind energy assessment for practical application.



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# Perspectives



**HORIZON 2020**  
The EU Framework Programme for Research and Innovation

Opportunity for universities and  
scientific-research institutes

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# Thank You!

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