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INNOVATIONS IN UKRAINE

opportunities for cooperation

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Plan of presentation

- Governance in R&D&I
- State of art (some statistic)
- Plan of reforms (modernization)
- Opportunities for cooperation with Poland and others countries
- Pilot initiative

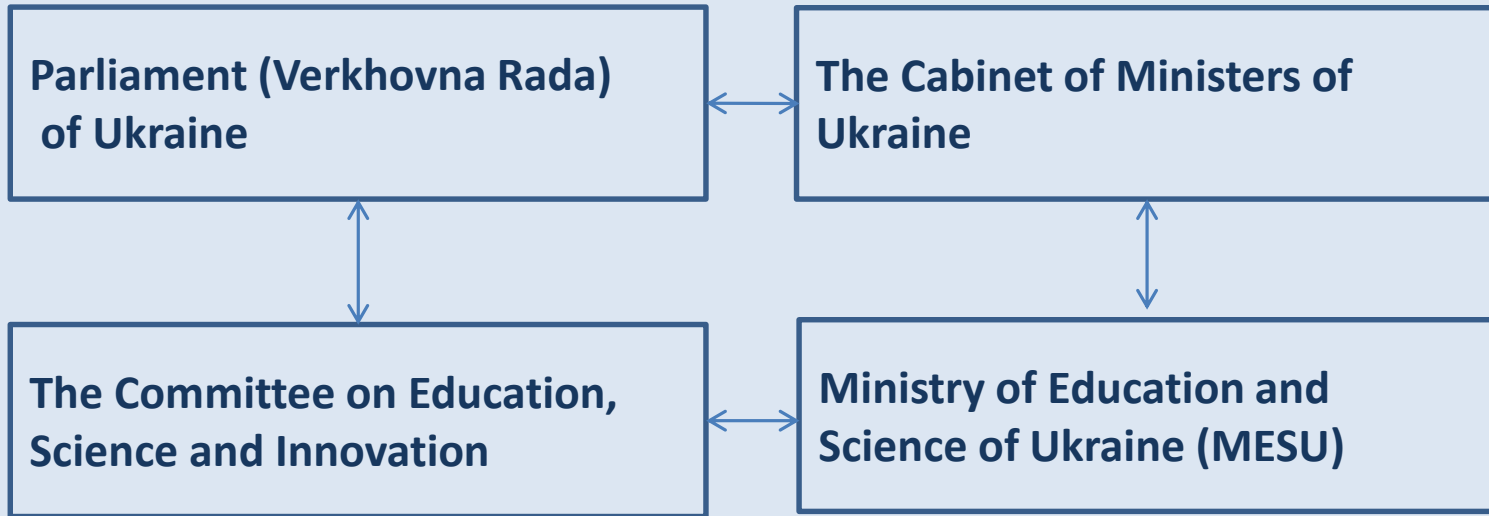


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Governance in R&D&I



The National Academy of Sciences of Ukraine, along with MESU, is a key player in decision-making on science policy. These organizations along with the Ministry of Economic Development and Trade of Ukraine (MEDTU) are able to formulate R&D&I policy.

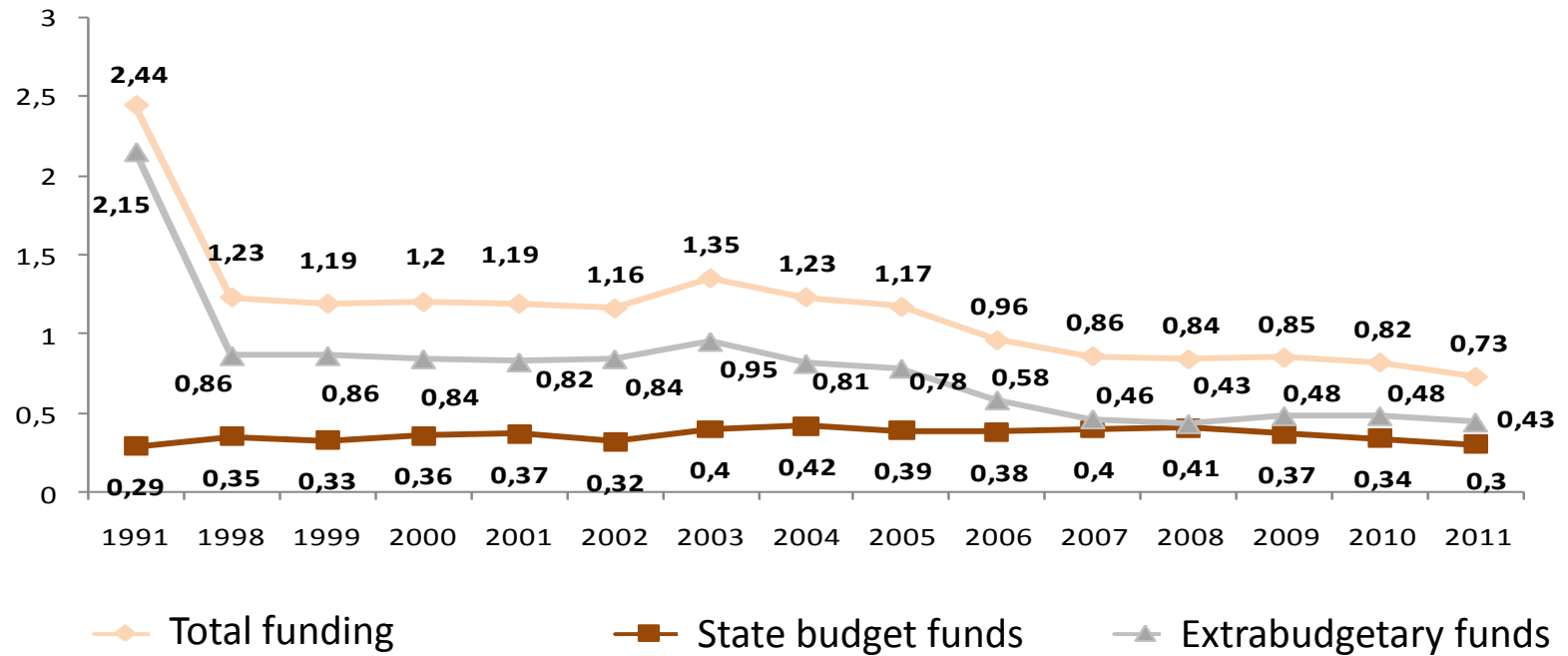


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State of the art (1/2)



Dynamics of science intensity in GDP, %



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State of the art (2/2)

According to the Global Competitiveness Report:

Ukraine is considered to be at the efficiency driven development stage, where innovation and sophistication factors have a still limited role in determining the value of the overall competitiveness index in comparison with more advanced economies.

The Report shows that there is some limited improvement regarding technological readiness, which provides an assessment of the economy's ability to absorb existing technologies.

Ukraine moved from 83rd position in the 2010-2011 report to 81st in 2012-2013.



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State of the art (3/3) - Barriers to innovation

Only 13% enterprises are innovative.

Barriers to innovation were*:

- lack of own finances (80.1% of industrial enterprises);
- upfront costs of innovation (55.5%);
- insufficient state financial support (53.7%);
- economic risk (41.0%);
- poor legal base (40.4%),
- length of time before return on investment (38.7%);
- and customers' lack of financial resources (33.3%).

In addition:

- 20.0% of enterprises cited lack of qualified personnel;
- 19.7% – lack of cooperation with research institutes / other enterprises;
- 17.4% – lack of information about consumer markets;
- 17.3% – lack of information about innovative products;
- 16.0% – low demand for innovation;
- 15.5% – unwillingness of the enterprise itself to innovate.

*mentioned by industrial enterprises in their reporting forms to the State Statistics Committee of Ukraine



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SMEs in Ukrainian economy

Low (**15 %**) share of the SME in country's GDP

- Ukrainian SME sector develops, despite unfavorable situation for making business
- Economy is strongly affected by financial crisis and political situation over last 5 years
- National currency is constantly deflating



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Strategy for Sustainable Development "Ukraine – 2020"

- The Strategy approved in January 2015, which determines development goals for next 5 years and reforms planned for forthcoming years.
- The Strategy includes 62 reforms, with 10 priority areas and anti-corruption reform, judicial and law enforcement reform, decentralization and public administration reform, deregulation and development of entrepreneurship.
- Following the Strategy special Action Plans should be developed.



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Reforms in science

- Reform of the National Academy of Sciences
- Enhancing the role of universities, the creation of science parks
- Establishment of the National Council of Ukraine on Science and Technology under the Cabinet of Ministers of Ukraine
- Creation of the National Research Foundation
- Implementation of the law on financing of scientific research at the level of 1.7% of GDP, and at least 50% through competitive programs
- The motivation of business for funding science



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New opportunities

The Association Agreement between the EU and Ukraine and the process and harmonisation of the regulations - new opportunities for export.

Forthcoming accession to Horizon 2020 program will support Ukraine's research integration into EU community.



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Cooperation PL-UA in R&D&I

- Bilateral projects
- Projects between Rzeszów University and the Foundation for Fundamental Research in Ukraine
- Education of Ukrainian students in Poland
- Registration of Joint venture in Poland, access to support tools for SMEs.
- Opening by European companies the research centers in Ukraine



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Example of cooperation – project

Project „FARADAY” - Building of permanent mechanisms for cross-border cooperation in the field of RES

www.pl-by-ua.rescluster.eu

- **Total Project value:** EUR 322,249.43
- **Implementation time:** 1 Oct 2013 – 31 March 2015.
- **Primary objective:** Improvement of the conditions for development and utilization of renewable energy sources within the area of 2 regions covered by the Project to contribute to the social and economic development of the Polish subregion of Krosno and Przemyśl and of the Lviv Oblast in Ukraine. By implementation of the joint initiative of the institutions supporting the development of renewable energy sources



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Example of cooperation – project FARADAY



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R&D centers in Lviv region

National University Lviv Polytechnic

Ivan Franko National University of Lviv

Lviv National Medical University

Research Institute «Physico-Mechanical Institute» of
the National Academy of Sciences of Ukraine,

Research Institute of Cell Biology of the National
Academy of Sciences of Ukraine,

Innovative SMEs, involved in FP7, and provide services to
foreign customers, not only in ICT.



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Innovation bridge Rzeszow-Lviv between Poland and Ukraine

Why Lviv and Rzeszow?

- Distance between Lviv and Rzeszow - 170 km, 4 hours
- Low costs of meetings and events
- High R&D potential of Lviv
- The developed base of laboratories in Rzeszow universities
- Developed environment innovative firms in Subcarpathian region and good infrastructure of innovation support
- Priorities for cooperation – ICT, new materials(nano and others), RES, Health, Food, Biotechnology and ??

The task - to create an environment for the formation of
innovative solutions



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Questions and suggestions

List of priorities with mutual interests (PL and UA)

Common Action Plan as part of RSI from Subcarpathian and Lviv region (The internationalization in action)

List of involved innovations stakeholders from Subcarpathian and Lviv region.

Motivation for cooperation (agreement between authorities of Subcarpathian and Lviv region and agreements between innovations stakeholders from Subcarpathian and Lviv region)



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Creation of PL-UA cross-border innovation center

- **Intellectual property and patents.** Patent search conduction, patent documents preparation, intellectual property rights protection.
- **Technology transfer.** Formation of data bases of demand and proposals for technologies, technology audit conduction, assistance in technology description preparation, innovation proposals catalogues preparation and publishing.
- **Access to finance.** Assistance in business-plans development, financing sources searching – Seed Capital. Venture Capital, preparation of joint projects for EU funds and other donors receiving
- **Research funding.** Up-to-date information providing on the programmes of research funding, assistance in project ideas formulating according to programmes requirements, partner search for joint projects, support of proposal-writing.
- **Organization of international events in Lviv and Rzeszow.** Common Innovation Forum, Thematic international conferences. Creation of innovation networks.
- **Support for innovation SMEs.** Participation in exhibitions, establishing links between science and business.



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