



# Innovation system, policy and instruments in Ukraine

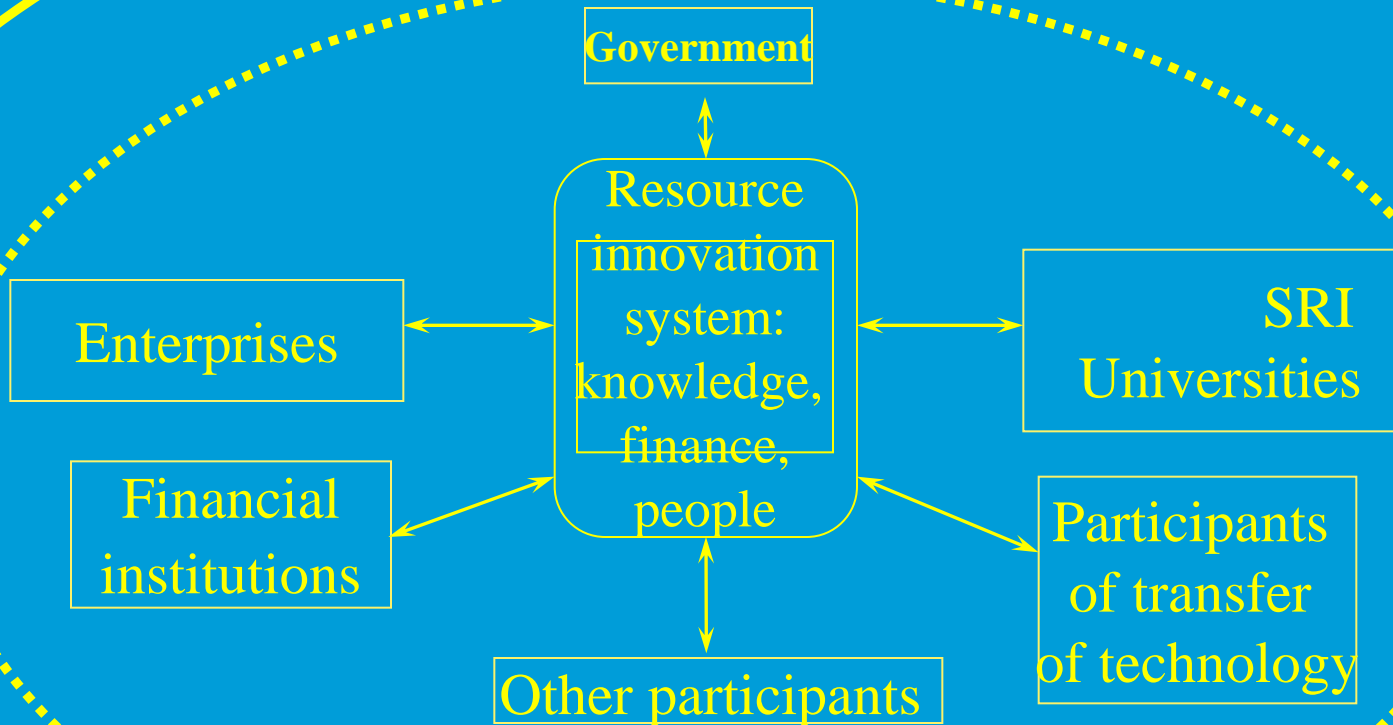
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Ukraine**

# National innovation system of Ukraine

*Environment in sphere of science and innovation*



*National environment in sphere of science and innovation*

# State governance of innovation activity



# State governance of the science and innovation sector



Priorities and funding in innovation and science are determined by the **Verkhovna Rada of Ukraine (the Parliament)** and the **President of Ukraine**

**The Cabinet of Ministers of Ukraine (Government)** implements the state policy:

**The Ministry for Education and Science, Youth and Sport of Ukraine** forms state policy in the sphere of education and science, innovation and informatization, intellectual property (legislation level)

**The State Agency on Science, Innovation and Informatization of Ukraine** executes science and innovation policy as the central authority responsible for management of the science, innovation and informatization sectors.

## Administrative Reform in Ukraine

On 9<sup>th</sup> December 2010 the President of Ukraine launched an Administrative Reform by his Decree No 1085/2010 “On optimization of the system of central bodies of executive power”, establishing **the State Agency on Science, Innovation and Informatization of Ukraine**

# The State Agency on Science, Innovation and Informatization of Ukraine scope of management



# INNOVATION INFRASTRUCTURE IN UKRAINE

Technology parks	16
Innovation business-incubators	24
Innovation centers	15
Centers for intellectual property commercialization	14
Centers for science, innovation and informatization	12
Enterprises for implementation research findings	21
Innovation Venture Fund	1
Centers of Innovation and Technology Transfer	4
Consultative centers	2
Innovative research centers	4
Total	<b>116</b>

# Primary Legislation in the area of innovation

## Laws

- “On Scientific Technical Information” (1993)
- “On Innovation Activity” (2002)
- “On State Regulation of Technology Transfer Activity” (2012)
- “On Special Regime of Innovation Activity of Technological Parks ” (1999).
- “ On Scientific Parks” (2009)
- “On Priority Directions of Innovation Activity in Ukraine” (2011)

## Acts of Cabinet of Ministers of Ukraine

- "On approval of the concept of national innovation systems“
- "On the Cabinet of Ministers of Ukraine Prize for the development and implementation of innovative technologies"
- “Some question the definition of medium term innovation priorities of state level for 2012-2016”
- “Some question the definition of medium term innovation priorities of branch level for 2012-2016”

**State Targeted Economic Program** “Establishment of Innovation Infrastructure in Ukraine” for 2009-2013



# слайд 9 Strategic directions of innovation activity in Ukraine set for 2011-2021

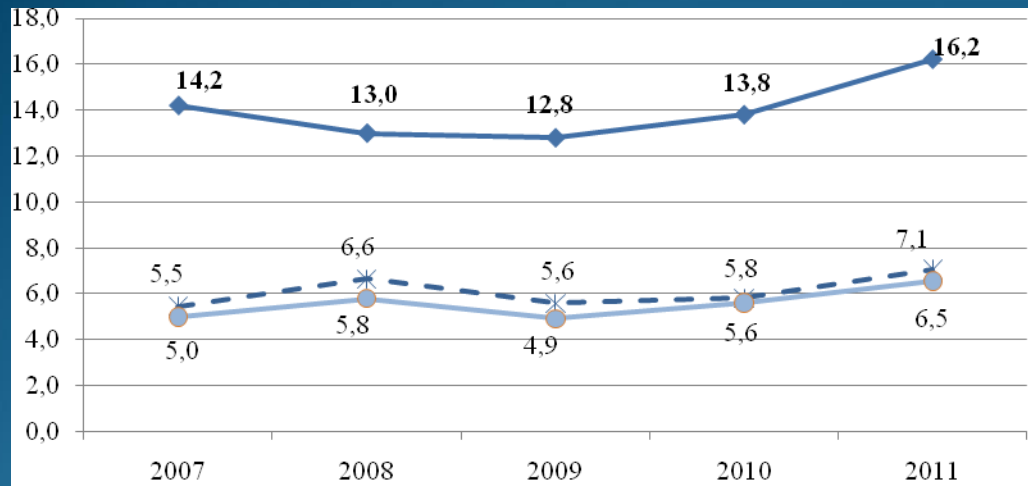


- 1) **Energy sector:** growing focus on energy transportation, use of energy-efficient and resource-saving technologies, and application of alternative energy resources
- 2) **Transportation sector:** a hi-tech development of transport system, space rocket industry, aircraft engineering and shipbuilding, armament and military equipment
- 3) **Materials science:** focus on materials production, machining and combination, establishment of nanomaterials and nanotechnology industry
- 4) **Agricultural sector:** technological renewal and agricultural development
- 5) **Medical sector:** development of equipment for high quality medical care, treatment, pharmaceuticals
- 6) **Environmental sector:** wide application of technologies for cleaner production and environment protection
- 7) **IT sector:** development of modern information, communication technologies, robotics

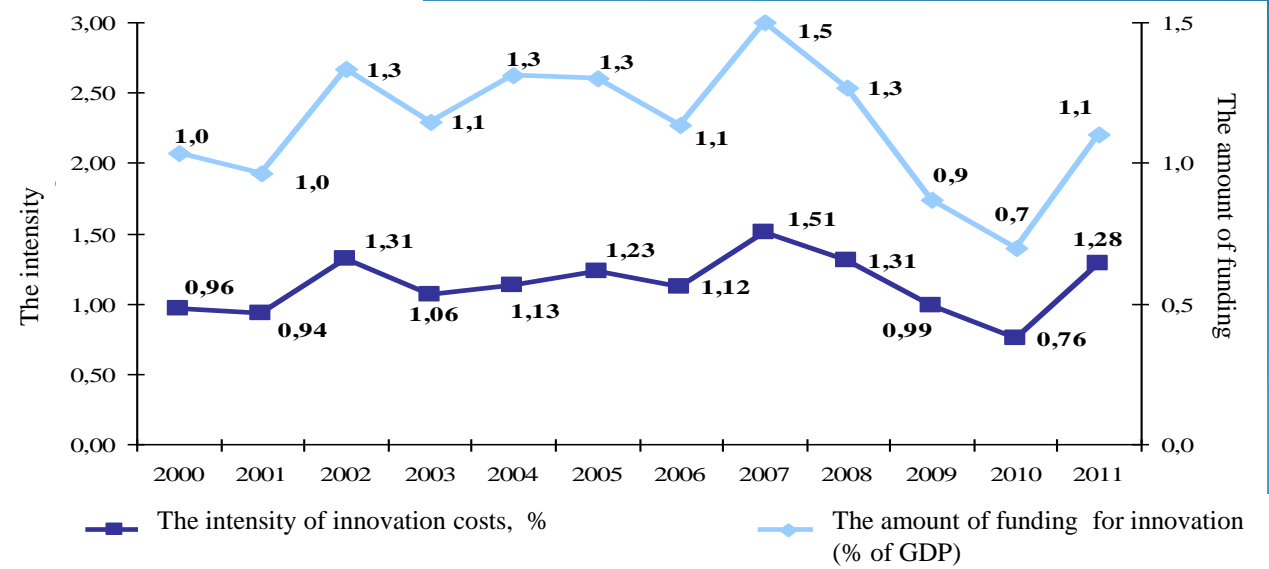


# Priority directions of the science and technology sector in Ukraine set until 2020

- Fundamental research on contemporary challenging topics in the science and technology sector
- Information and Communication Technologies
- Energy and Energy Efficiency
- Rational environmental management
- Life sciences, new technologies on prevention and treatment of the most common diseases
- New substances and materials

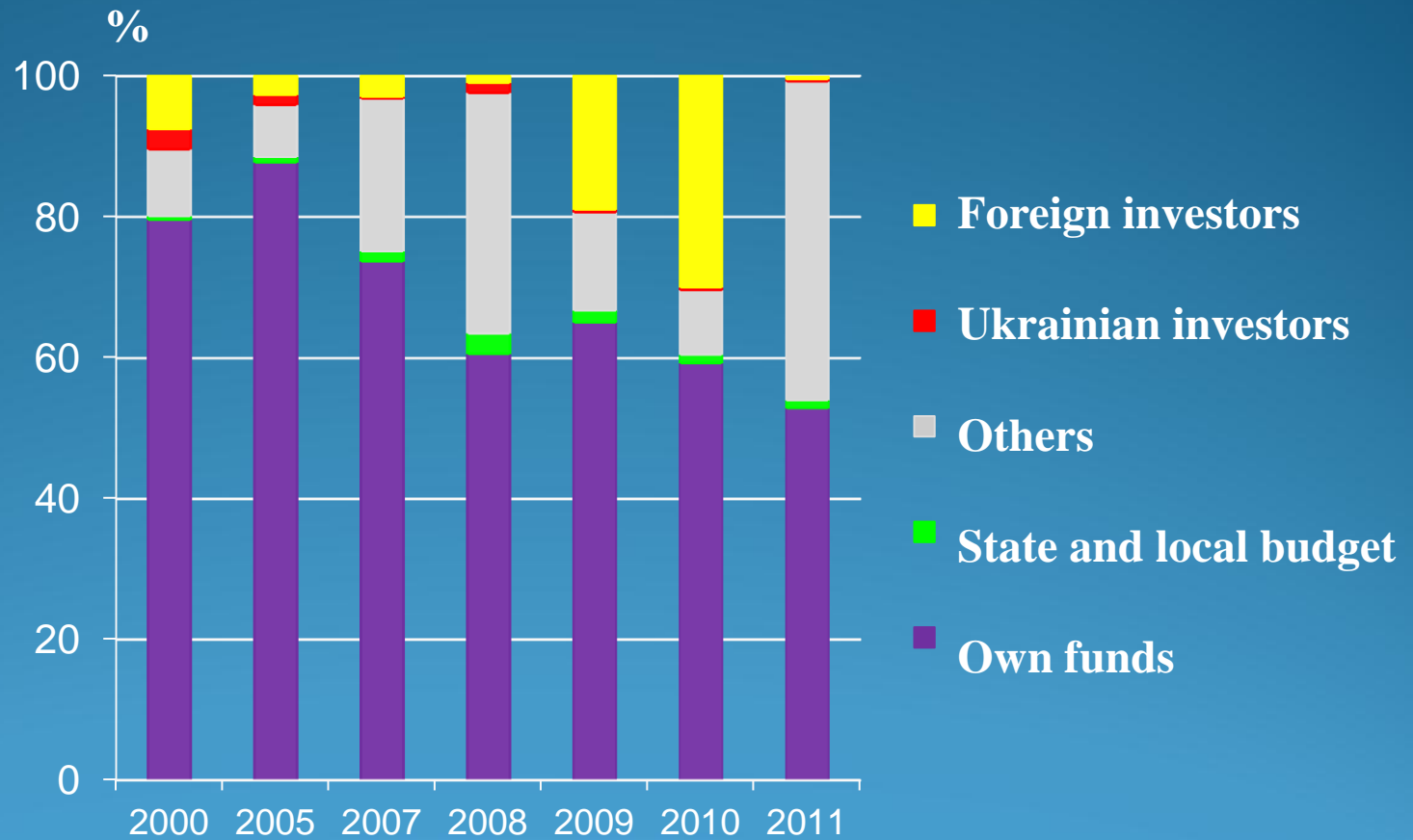


- ◆ Proportion of innovative companies (% of general number of production companies)
- \* Proportion of enterprises that introduced innovative products (% of total count of industries)
- The proportion of enterprises that introduced technological processes (% of total count of industries)



- The intensity of innovation costs, %
- ◆ The amount of funding for innovation (% of GDP)

# FINANCING DYNAMICS AND STRUCTURE OF INNOVATION ACTIVITY



# THE MAIN DIFFICULTIES OF INNOVATION ACTIVITY AND TECHNOLOGY TRANSFER



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- Lack of effective mechanisms to attract scientific and technological activities into economic circulation;
- Lack of innovation infrastructure, providing resolve some issues of commercialization of scientific developments in various stages of completion;
- Lack of competence of the subjects of innovation:
  - unaware of the crucial role of intellectual property in economic development by leaders of industrial enterprises;
  - most of the researchers are not aware of the importance of commercialization and unable to commercialize their research.
- Lack of real incentives for businesses to invest in research.

**Formation of innovative infrastructure and development innovation incentives are a top priority of the National Action Plan for 2012 to implement economic reforms in 2010 - 2014 "Wealthy society, competitive economy, effective state", approved by the Decree of the President of Ukraine March 12, 2012 № 187.**

## Commercialization results of scientific and technical activity

Fund of support of small innovative business, which has main task - representation of projects of small and medium business at stages of finishing of scientific and technical development and the invention up to an innovation ready to introduction at the enterprises.

State joint-stock company "Ukrsvitlizing " which problem(task) is financial support through the leasing mechanism of innovative projects on introduction of the equipment and lighting systems on the basis of light-emitting diodes which are based on results of performance of the State scientific and technical program " Development and introductions energysave light-emitting diode light sources and lighting systems on their basis ".

The Law of Ukraine " On State Regulation of Technology Transfer Activity " according to which property rights on scientific and technical development created by the state budget money, remain to the organization - developer. The income received from it commercialization also remains at the order of the organization - developer.

# The concept of reforming state policies in innovative sphere

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**Concept, in particular, provides:**

**Improvement of the legislation in innovative sphere with the purpose of creation of conditions for introduction innovation, formations innovative cultures, improvement of statistical methods of carrying out of an estimation of a condition of conducting innovative activity;**

**Definition and introduction of the mechanism of granting of the state support of conducting innovative activity, realization priority innovative projects in view of world experience;**

**Definition of the mechanism of coordination investment and an innovative state policy for fuller use of domestic scientific and technical potential during technological modernization national economy;**

**Improvement of national system of technical regulation, patent and licencing of budgetary research establishments;**

**Definition of the mechanism of state-private partnership in innovative sphere, and такжу комерциализации scientific and technical development and inventions;**

**maintenance developments innovative infrastructures, and also innovative activity at a regional level.**





**Thank you for  
your attention !**