



Ministry  
of Education and Science of  
Ukraine

# Ukrainian R&D Landscape

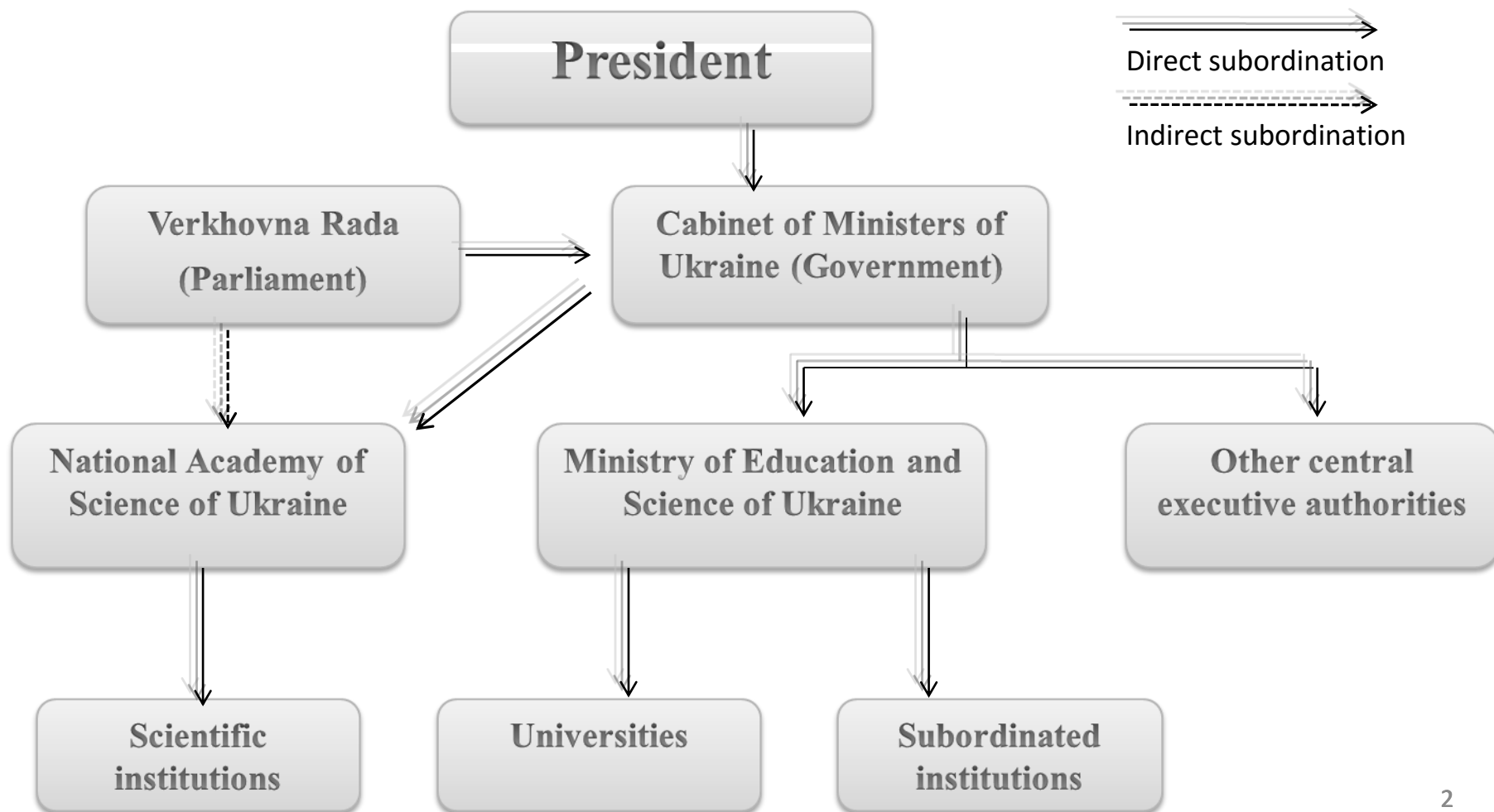
**Valentyna Andrushchenko**  
Department Head  
State Fund For Fundamental Research

**Brussels, 3/11/2016**

**Find your R&D partners in Ukraine. Real opportunities**



## STATE GOVERNANCE OF THE SCIENCE AND TECHNOLOGY SECTOR

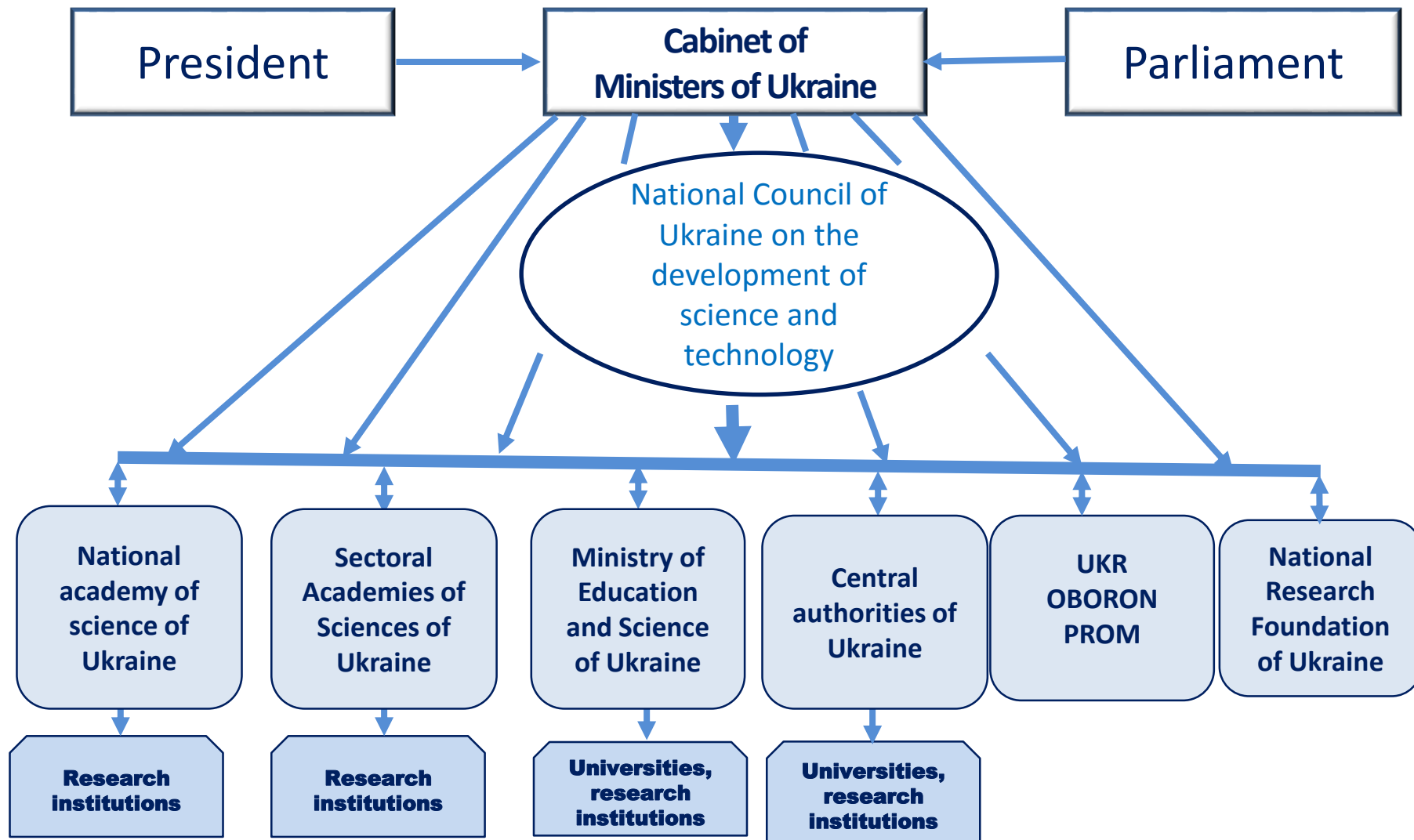




**The new Law of Ukraine  
"On scientific and scientific-technical activity"  
was adopted on 26 November 2015**

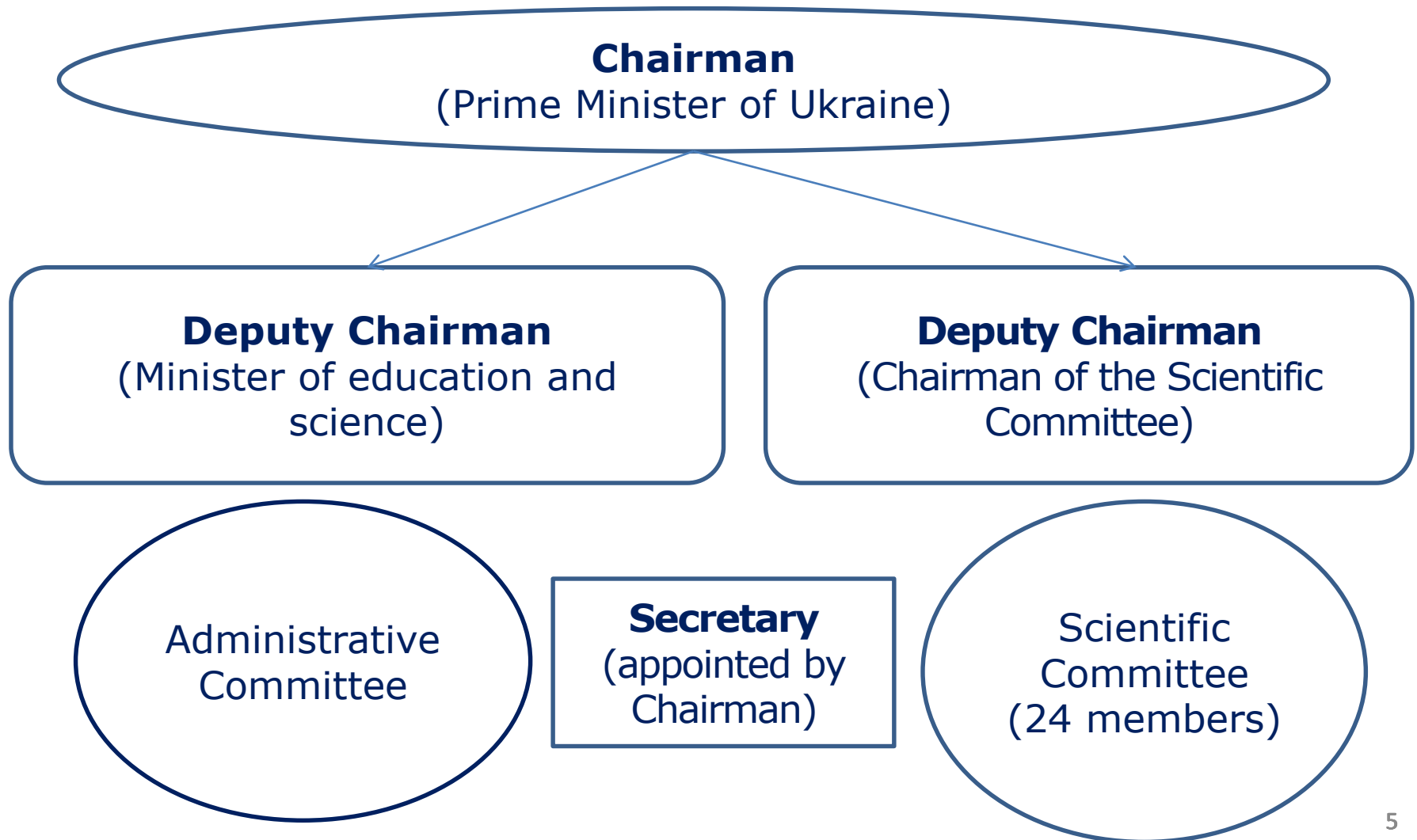


## Institutional framework of R&D policy





## Organizational structure of the National Council of Ukraine on Science and Technology Development





## Members of the National Council of Ukraine on Science and Technology Development

Members of the National Council

*including*

Scientific Committee  
members

Administrative Committee  
members

Leading Ukrainian scientists

Representatives of central  
executive authorities, NASU, large  
scientific enterprises, universities  
and research institutions



## Organizational structure of the National Research Foundation

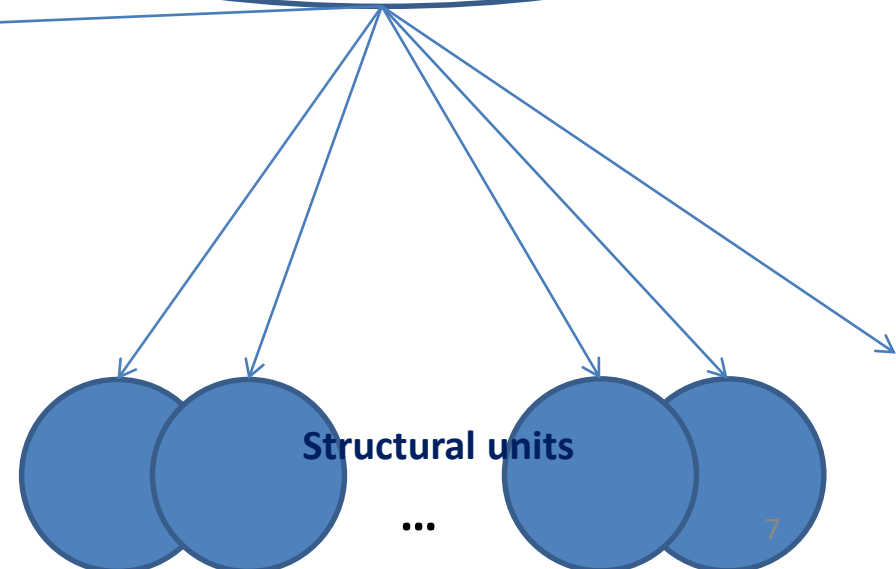
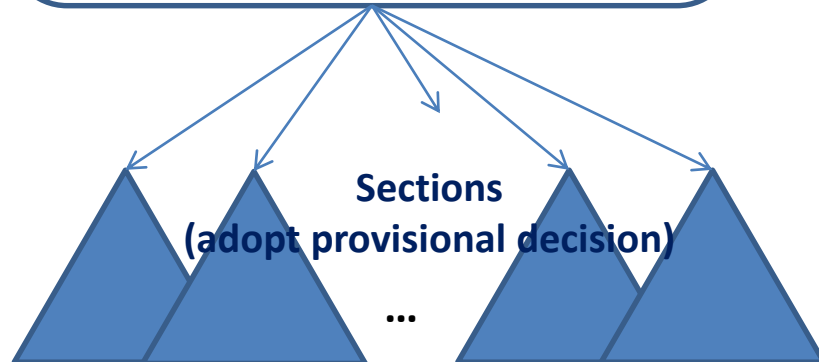
**Supervisory Council = Scientific  
Committee of National Council**

**Chairman  
(appointed by the Cabinet of  
Ministers of Ukraine)**

**Scientific Council  
(approves projects for funding,  
based on calls for proposals  
results)**

**Sections  
(adopt provisional decision)**

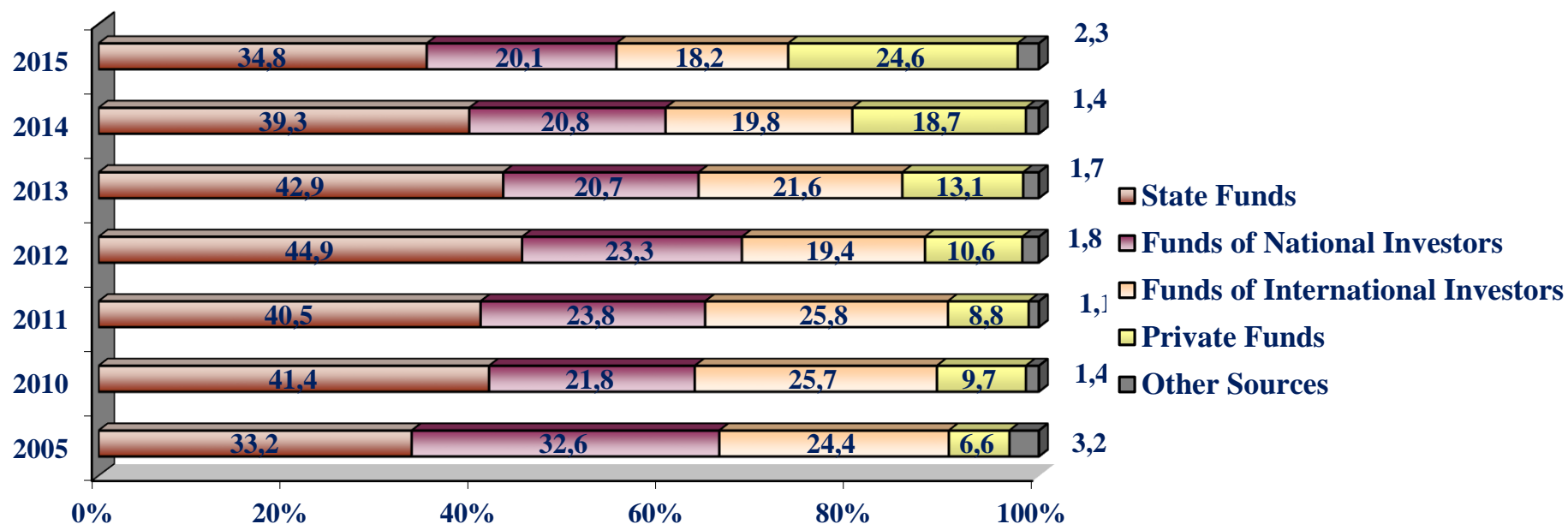
**Structural units**





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## Funding of the science and technology sector for the period 2005-2015







## Main Funding opportunities

### **National Academy of Science**

**Ministry of Education and Science of Ukraine** (blighty competitions, scholarships for young scientists, young scientists grants, bilateral projects)

**State Fund for Fundamental Research of Ukraine** (general themes, target, publishing etc.)

**International programs and grants** (HORIZON-2020, etc.)



## The most advanced fields of Ukrainian science

- 1. Nuclear science**
- 2. New materials**
- 3. IT- Technologies**
- 4. Physics and astronomy**
- 5. Engeneering**
- 6. Biotechnology**
- 7. Agricultural technologies**
- 8. Aerospace technologies**



# Publication Activity

## (according to Scimago Journals and Country Ranks)

In Eastern Region

1....

2....

3. Engineering, Energy, Economics, Econometrics & Finance,  
Material Science, Physics and Astronomy

4. Chemical Engineering, Earth & Planetary Sciences

5. Chemistry, Computer Sciences, Mathematics, Neuroscience



## Ukrainian Science Overview According to The Web Of Science Data

1. Ukraine is the 46<sup>th</sup> in the world according to the number of publications in WOS Core Collection
2. Ukraine is the 49<sup>th</sup> in the world according to the number of citations in WOS Core Collection
3. There are more than 152 most cited documents in Web Of Science



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# Ukrainian Science Overview According to the Scopus Data

SciVal

Ukraine

Year range: 2012 to 2015

Publications

37,533 ▲

Citations

75,476

Authors

35,931 ▲

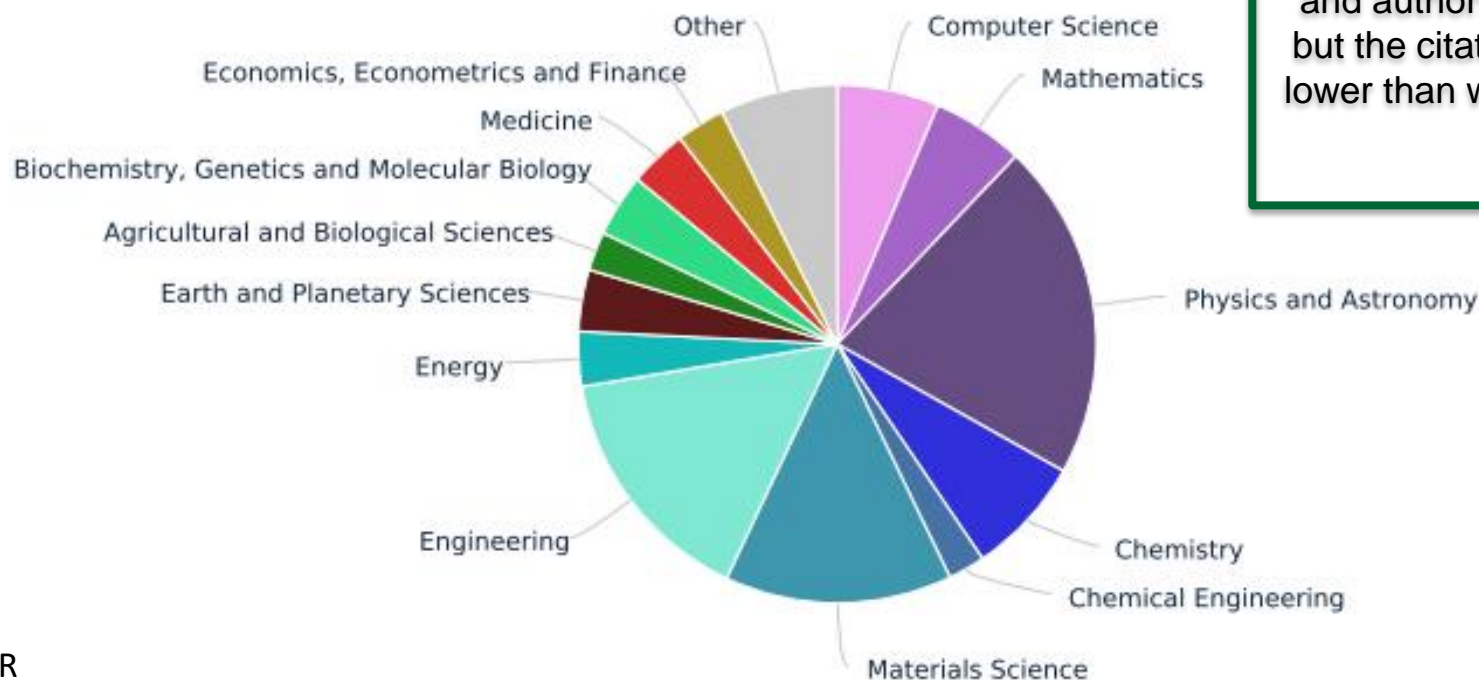
Field-Weighted Citation Impact

0.61

Citations per Publication

2.0

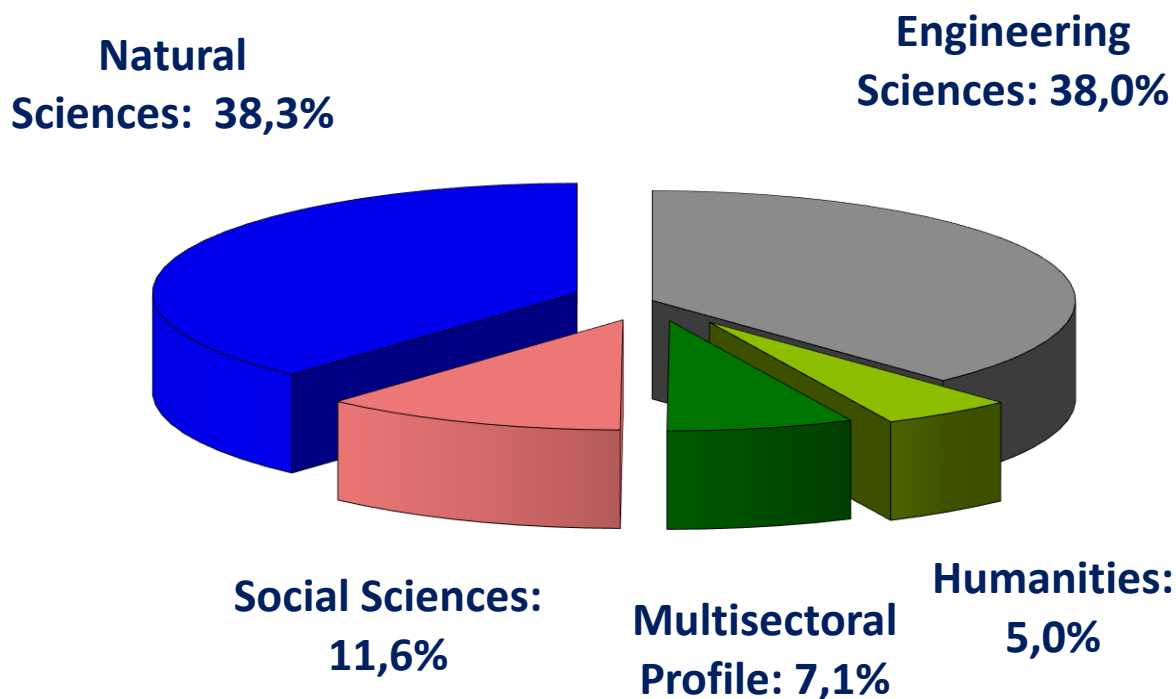
## Publications by Subject Area



Number of publications and authors is growing, but the citation impact is lower than world average

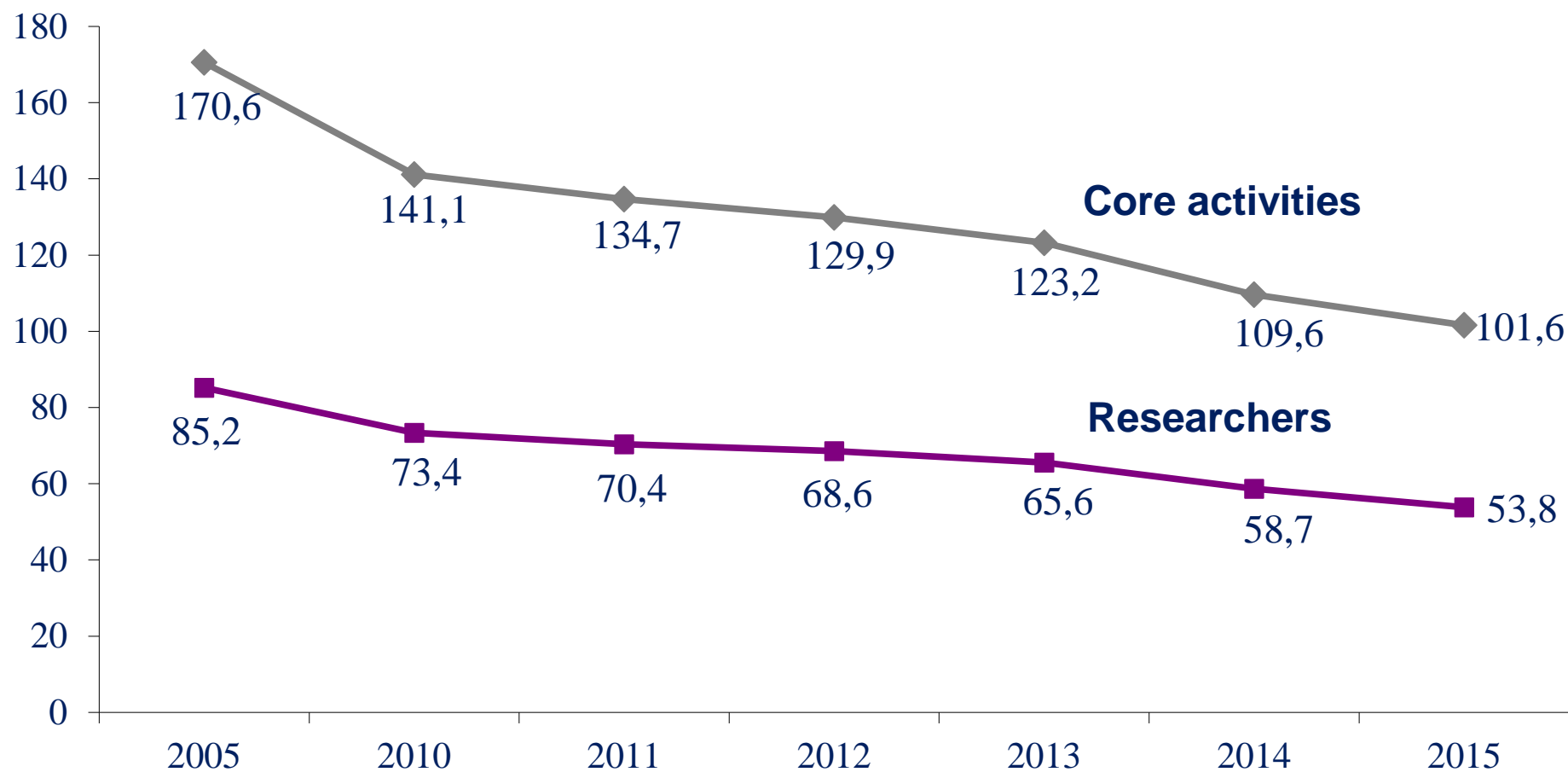


## Quantity distribution of organizations involved in the science and technology sector (by branches of science,%)



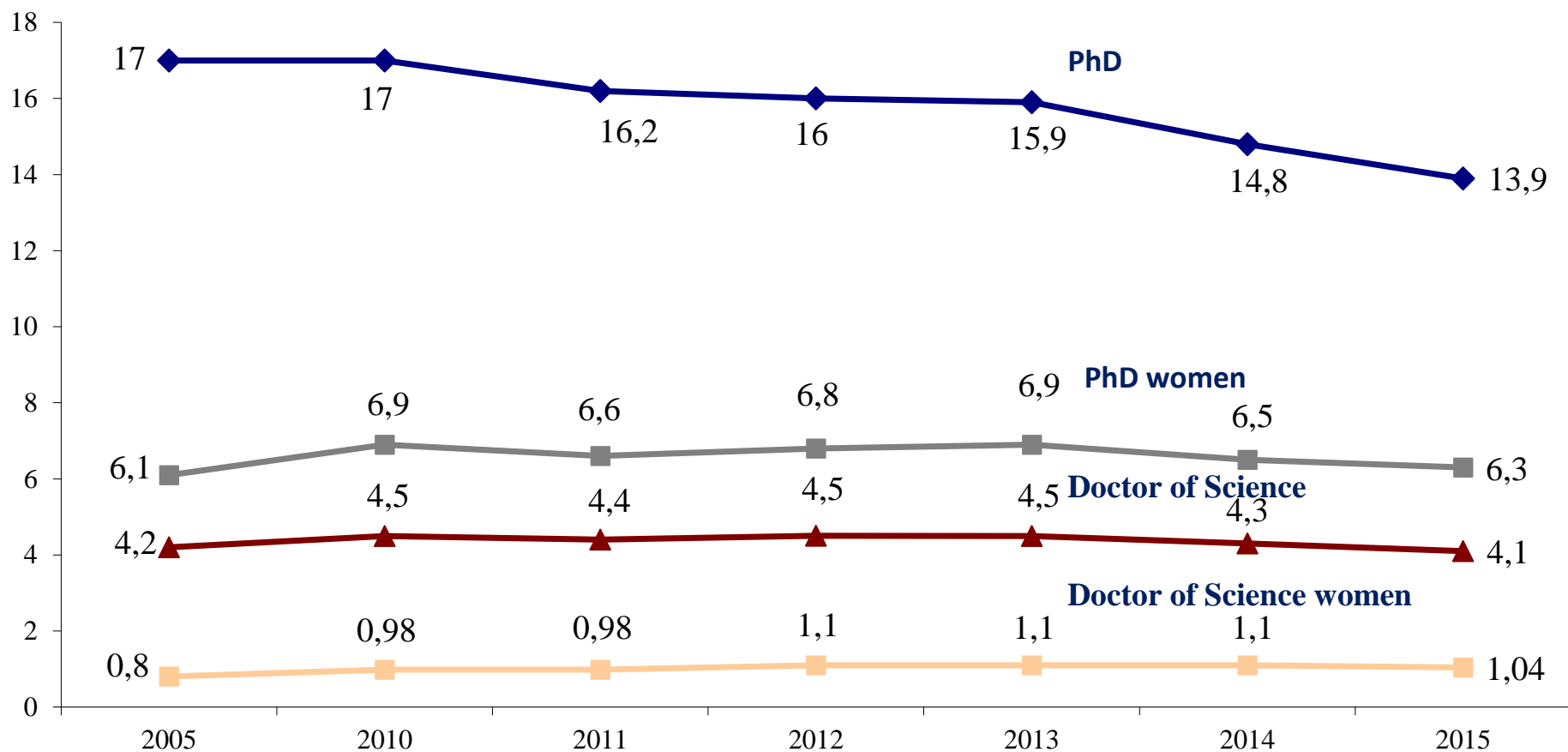


## Number of employees involved In the research and development sector for the period 2005 – 2015





## Number of Employees With Academic Degree Involved in the R&D







## R&D Priorities of Ukraine until 2020



Fundamental research



Information and  
Communication  
Technologies



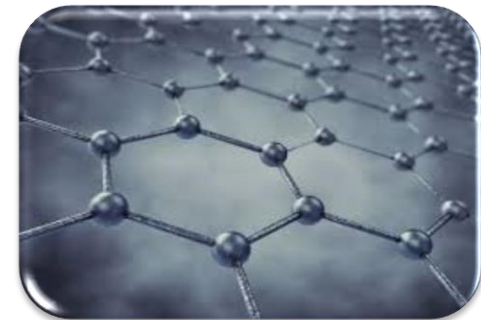
Energy and Energy  
Efficiency



Rational environmental  
management



Life sciences, new  
technologies on  
prevention and  
treatment of the most  
common diseases



New substances and  
materials



# HORIZON - 2020

## **Implementation of HORIZON-2020 programs is the way:**

- to attract Ukrainian science to the process of the European and world science community development;
- to make Ukrainian science visible;
- to attract new finances to evolve the Ukrainian R&D system.



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**Thank you for your attention!**