





## **Goal 1.5. Ukrainian scientists have relevant conditions for R&D and are integrated into the world scientific community.**

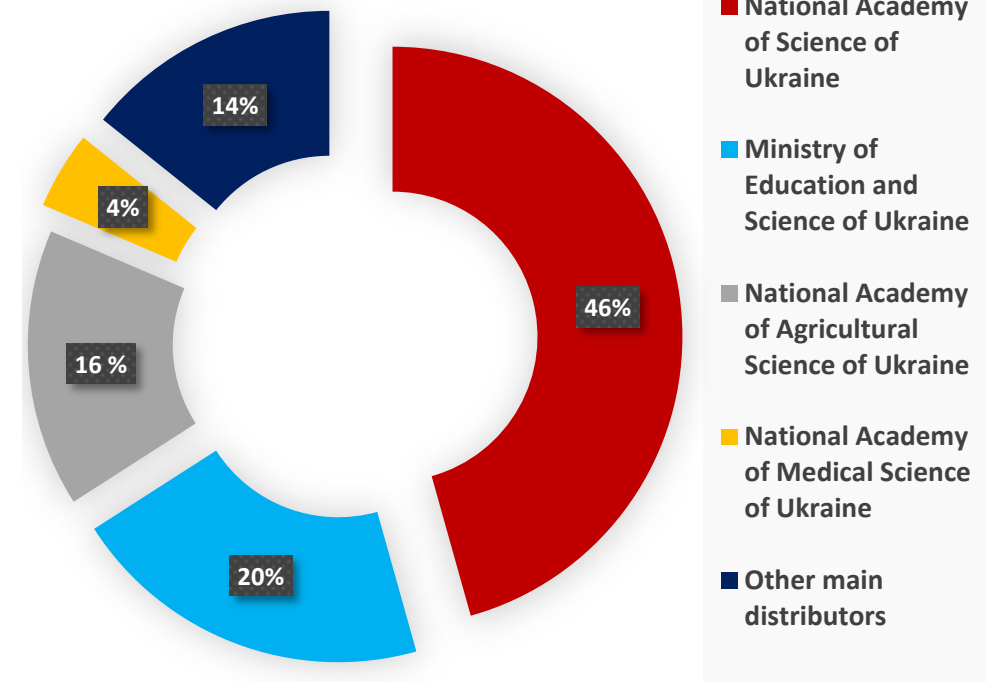
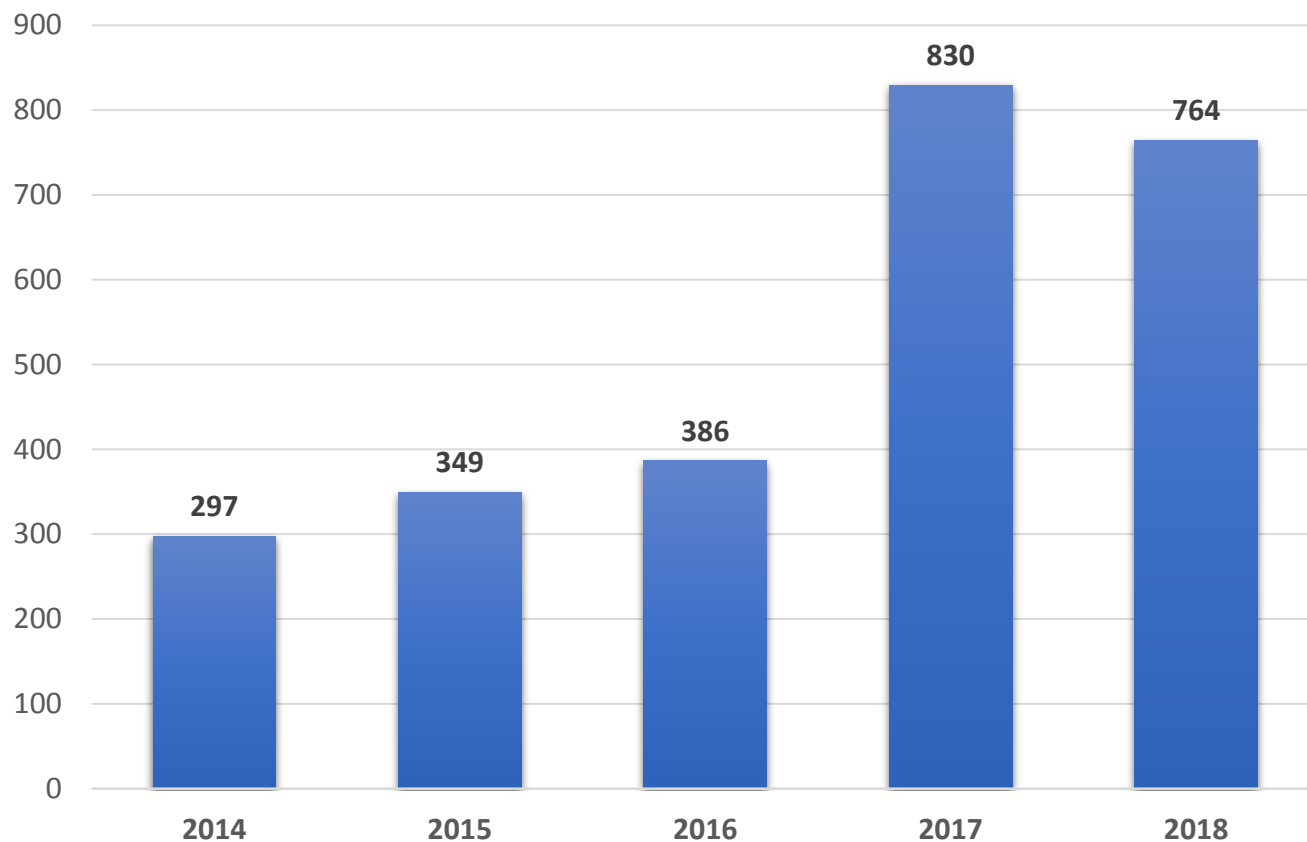
- 1. Scientists have access to transparent multichannel funding for R&D and to modern research infrastructures.**
- 2. Scientists are involved into world and European Research Area.**
- 3. Scientific institutions and universities get institutional budget support according to results of transparent and performance based evaluation.**
- 4. Open access research infrastructures is created.**
- 5. Financial and customs regulations for state owned RDI and HEI.**
- 6. Ukraine is associated to the Horizon Europe Framework Program and to the opportunities of the European Research Area.**
- 7. Ukraine Research Infrastructures are involved into international research infrastructures activities.**
- 8. The national research information system (URIS) is created.**
- 9. The conditions for evaluating the results of R&D are created.**





## State budget Expenditures on Research Infrastructure

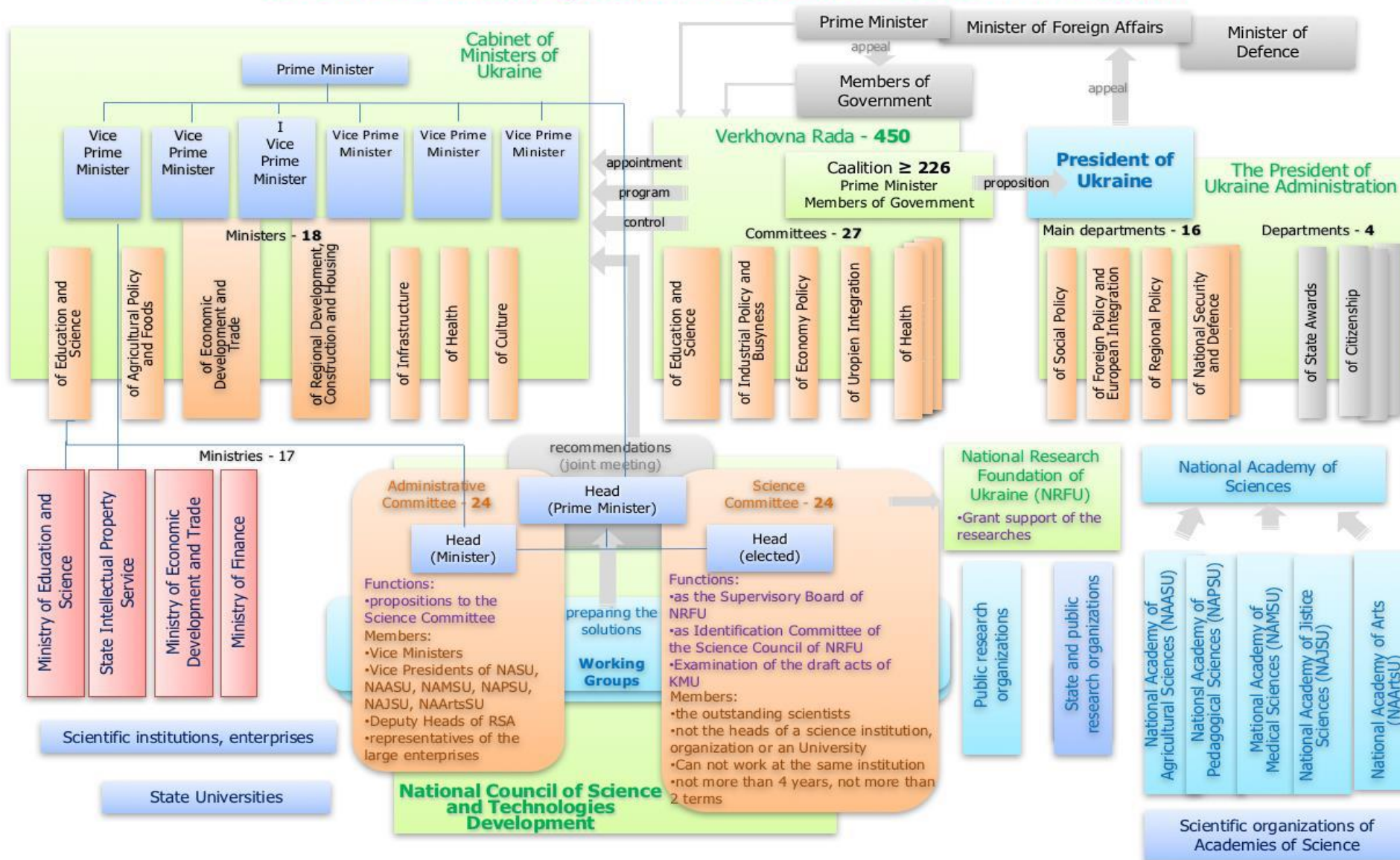
Financial support on development of RI, MLN UAH



The part of budget financing of scientific sphere in the context of the main distributors of spending funds

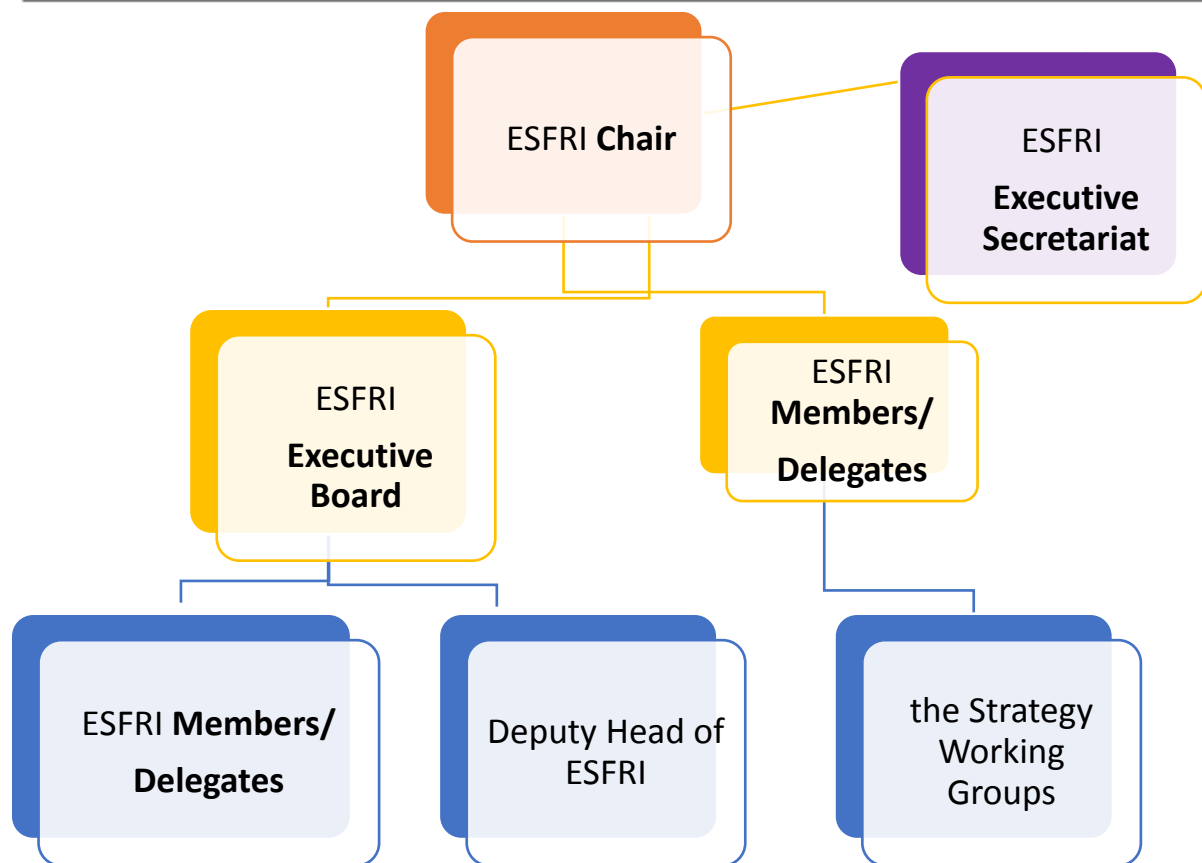


## Scheme for state regulation of science, research, innovation in Ukraine





## The European Strategy Forum on Research Infrastructures (ESFRI)



The structure of the ESFRI\*

Since its establishment in 2002, ESFRI's main objectives are:

- to **support** a coherent and strategy-led approach to policy making on research infrastructures in Europe;
- to **facilitate** multilateral initiatives leading to a better use and development of research infrastructures acting as an incubator for pan-European and global research infrastructures;
- to **establish a European Roadmap for research infrastructures (new and major upgrades, pan-European interest) for the coming 10-20 years, stimulate the implementation of these facilities, and update the Roadmap as the need arises;**
- to **ensure** the follow-up of implementation of already ongoing ESFRI projects after a comprehensive assessment, as well as the prioritisation of the infrastructure projects listed in the ESFRI Roadmap.

**The role of ESFRI is to support a coherent approach to policymaking on research infrastructures in Europe, and to act as an incubator for international negotiations about concrete initiatives.**



## Research Infrastructure\*



means facilities, resources and related services that are used by the scientific community to conduct top-level research in their respective fields and covers major scientific equipment or sets of instruments; knowledge-based resources such as collections, archives or structures for scientific information; enabling Information and Communications Technology-based infrastructures such as Grid, computing, software and communication, or any other entity of a unique nature essential to achieve excellence in research. Such infrastructures may be “single-sited” or “distributed” (an organised network of resources).

\*Article 1 The Law of Ukraine «On Research and Scientific-Technical Activities»  
according to the COUNCIL REGULATION (EC) No 723/2009 of 25 June 2009



## TYPES OF RESEARCH INFRASTRUCTURES IN UKRAINE



Single-sited



Unique  
Research  
Facilities



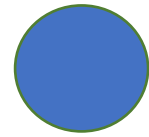
Laboratories of  
Universities and  
RDI



Research  
Infrastructure  
Commons



National Research Center  
(Ukrainian Antarctic Station  
"Academician Vernadsky")



Distributed



Informal RI  
Consortiums



State key  
Laboratories



Research Facilities Network  
(Observatories,  
Environment Monitoring  
Nodes)



Virtual



Bibliographic Database  
(Open Ukrainian  
Citation Index)



Digitally integrated  
Research Commons  
(URAN, UARNET)



Digitally integrated  
Data Computing and  
Services (Ukrainian  
National GRID)



Repository text archives  
(National Repository of  
academic texts)

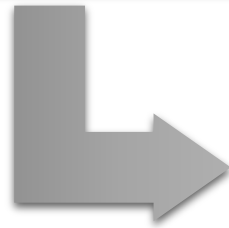


## STEPS TOWARDS NATIONAL RESEARCH INFRASTRUCTURE ROADMAP

1. WORKGROUP on the Strategy of the RI's Development  
2019



2. Policy paper of the RI's Development  
2020



3. National Research Infrastructure Roadmap  
2021



4. Active phase of RI development and  
integration to ERA  
2022-2032





## Process of elaborating the National Research Infrastructure Roadmap

Methodology of Identification and Selection of the Ukrainian Research Infrastructures

Analysis and Selection of the Strategic Research Infrastructures on the long-term Period to be included in the Roadmap

Setting up the Vision of the selected RI partnership with International Research Infrastructures

Adopting the National Roadmap Research Infrastructure by the Government

Ministry of Education and Science  
of Ukraine

Draft  
2021 National Research  
Infrastructure Roadmap



### The primary role of the National Research Infrastructure Roadmap\*

is to give a comprehensive picture of the current situation of major domestic research infrastructure capacities to various target groups, and to serve as a point of reference when setting the future development directions for RIs.

\*<https://www.esfri.eu/latest-esfri-news/hungary-publishes-its-national-research-infrastructure-roadmap>



Expert  
evaluation

## The possible set of criteria for selection RI to be included National Research Infrastructure Roadmap

**Open access and capacity** – provides access to any domestic and international research community subject to the availability of capacities; open to industrial cooperation (for a fee); able to provide and operate the services necessary for open use (number of cooperation agreements).

**International connection** – maintains and is actively involved in actual international research cooperation; able to host foreign researchers; and able to participate in international research projects (number of international research infrastructure cooperation agreements generated by the research infrastructure).

**Uniqueness, scientific excellence** – outstanding technology level and associated expertise makes it comparable with the relevant European RIs (number of publications and patents authored together with external researchers, broken down by research institution).

**National (strategic) importance** – has scientific importance for at least the domestic research community (number of researchers served, including PhD students).

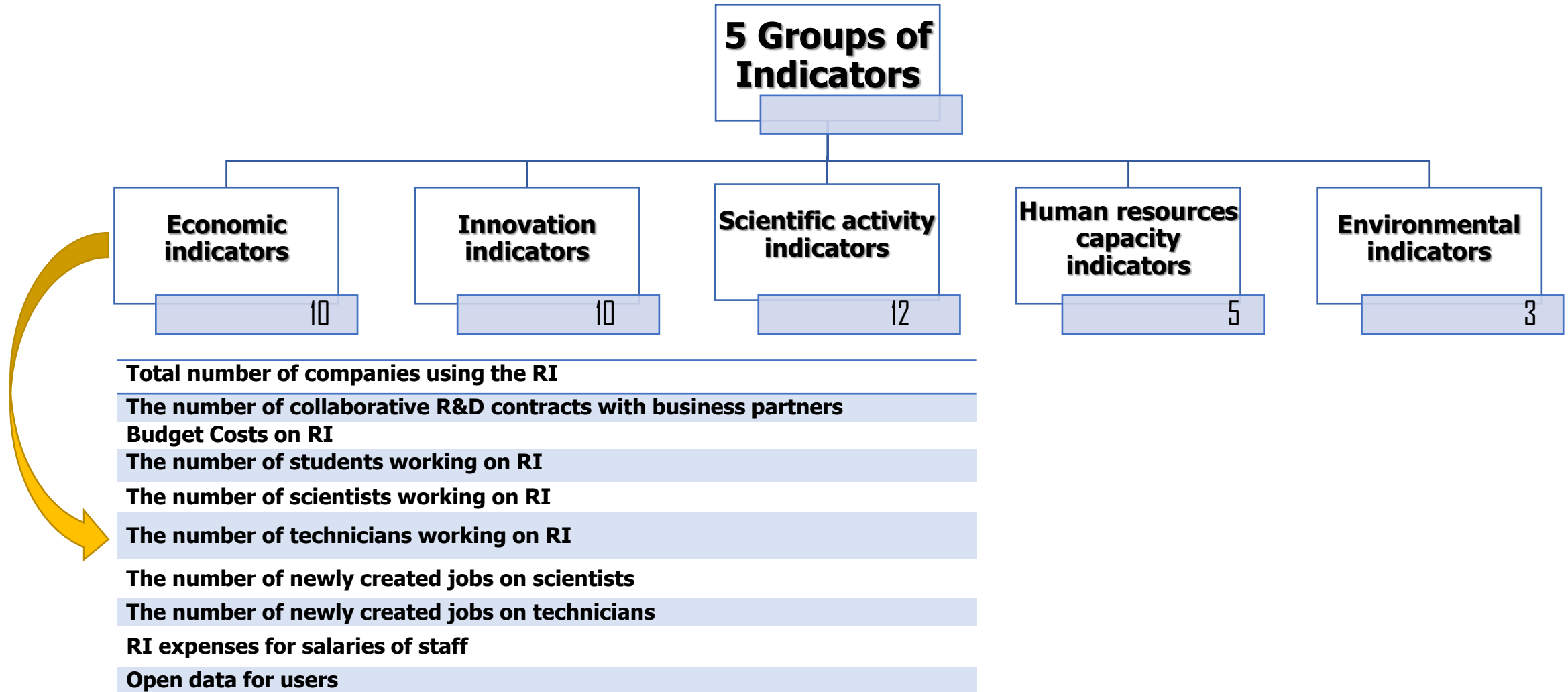
**Room for further development** – keeps abreast of new development trends; has the potential of adapting and developing further technologies.

Rating evaluation





## The List of performance Indicators





## **THE LIST OF GOVERNMENT COMPLETED STEPS**

**Nomination of national representatives to the key EU instrument in the field of RI**

**Starting the policy support facilities instrument under H2020**

**Statutory Documents Of Danubius PP submit to the European Commission**

**Budgeting of Ukrainian RI under Danubius RI activity**

**New instrument of national RI support**



THANK YOU