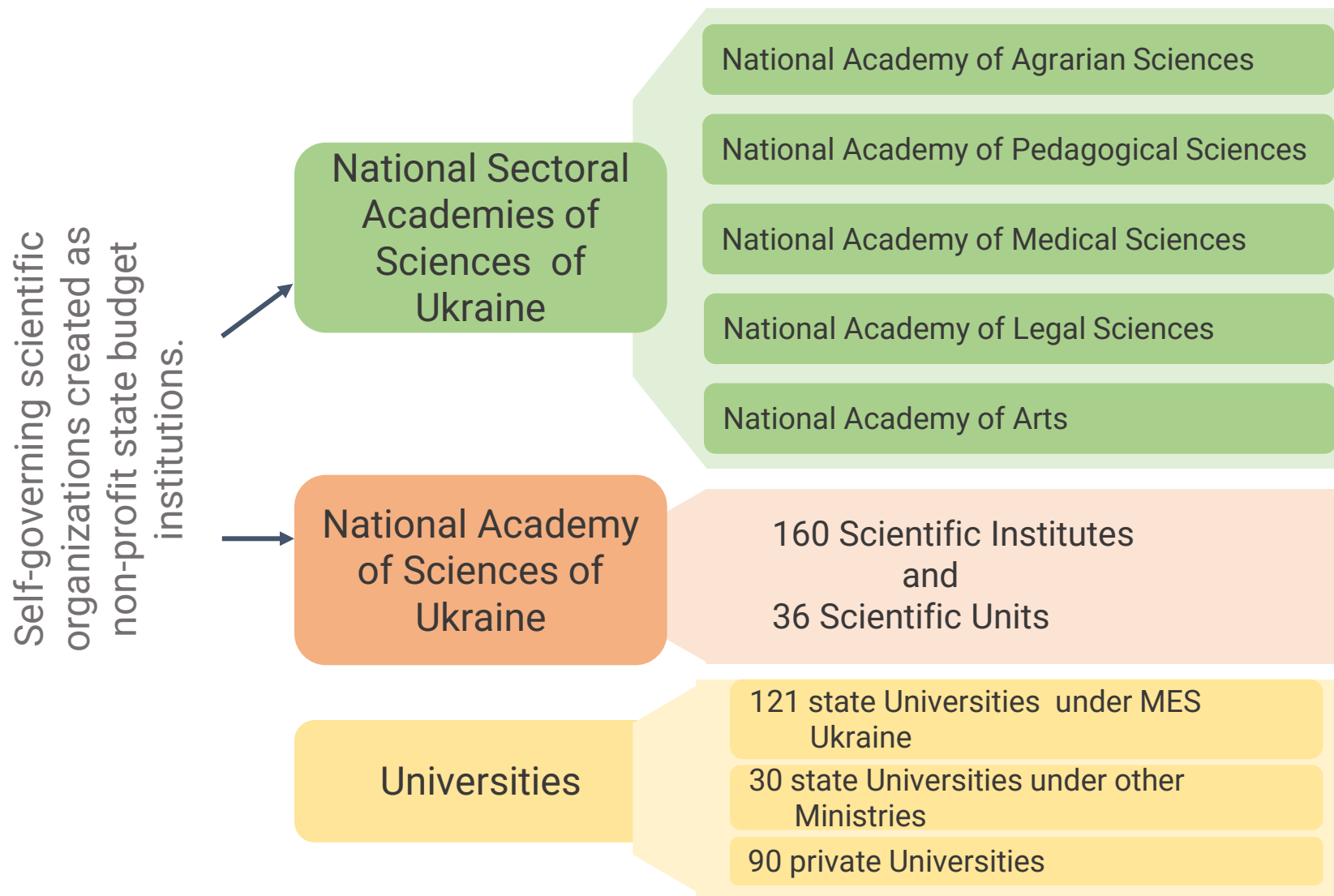




The Ukrainian academic ecosystem: Universities and the National Academy of Sciences

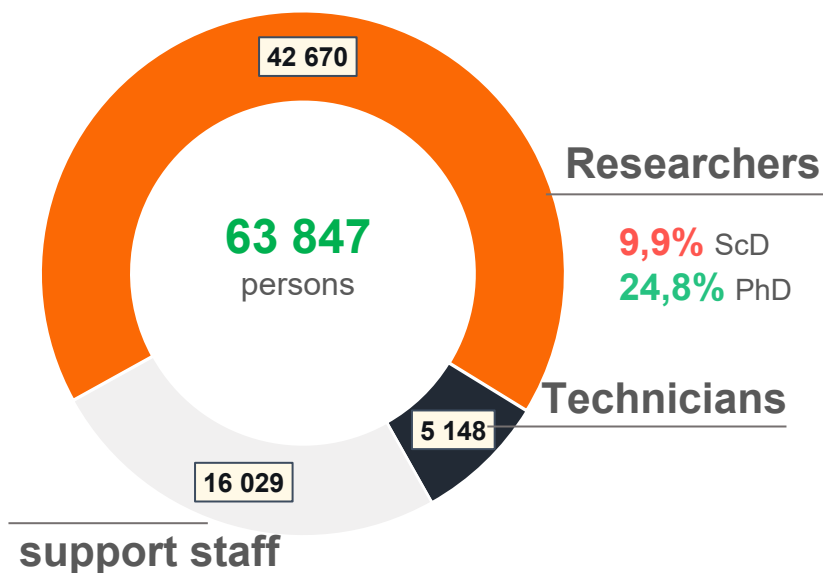
***Ganna TOLSTANOVA, PhD, Dr.Sc
Vice-rector for research TSNUK***

Research Ecosystem of Ukraine

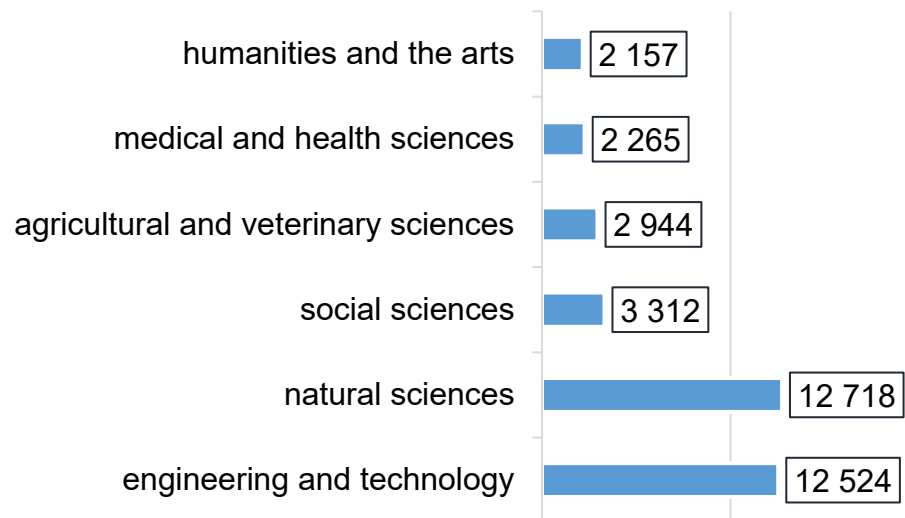


Statistical Data on Researchers Infrastructure of Ukraine (2024)

Number of R&D staff

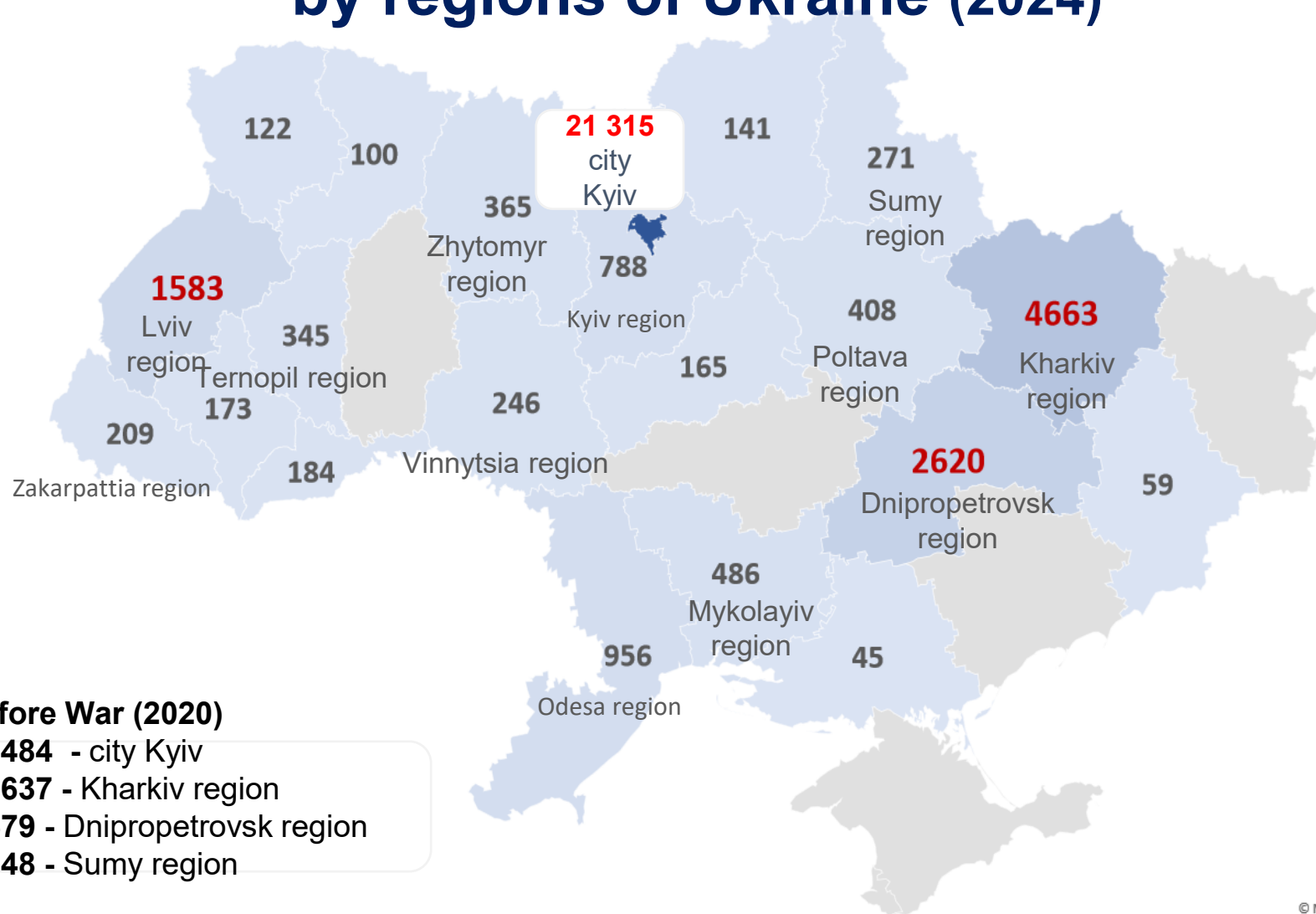


Number of R&D staff by field of science (full time research)



Before War (2020) – 78 860 persons

Researchers (full-time) distribution by regions of Ukraine (2024)



Early career researcher according Ukrainian Law



Doctor of sciences (early career researcher) -
ambitions, energy for career growth and the formation
of scientific direction

under 40 y.o.



Postdoc— crossroads (financial issues, starting a family)



PhD student – there is a defense (one dominant),
psychological pressure – uncertainty



Master's degree – open roads

under 35 y.o.



53 430 PhD students



КНУ ім Тараса
Шевченка

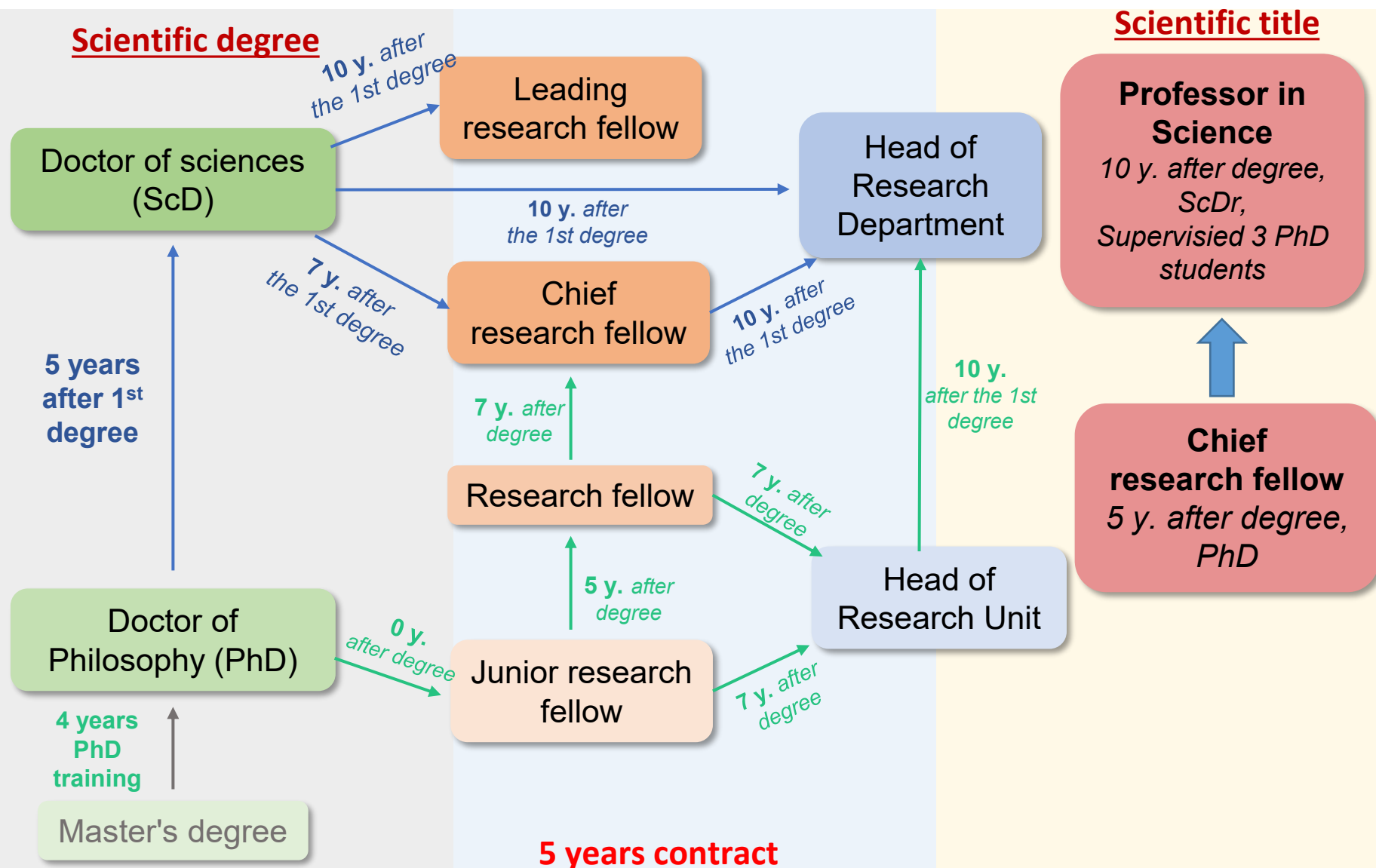
1410 PhD students (2,6%)

400 institutions have PhD programs:

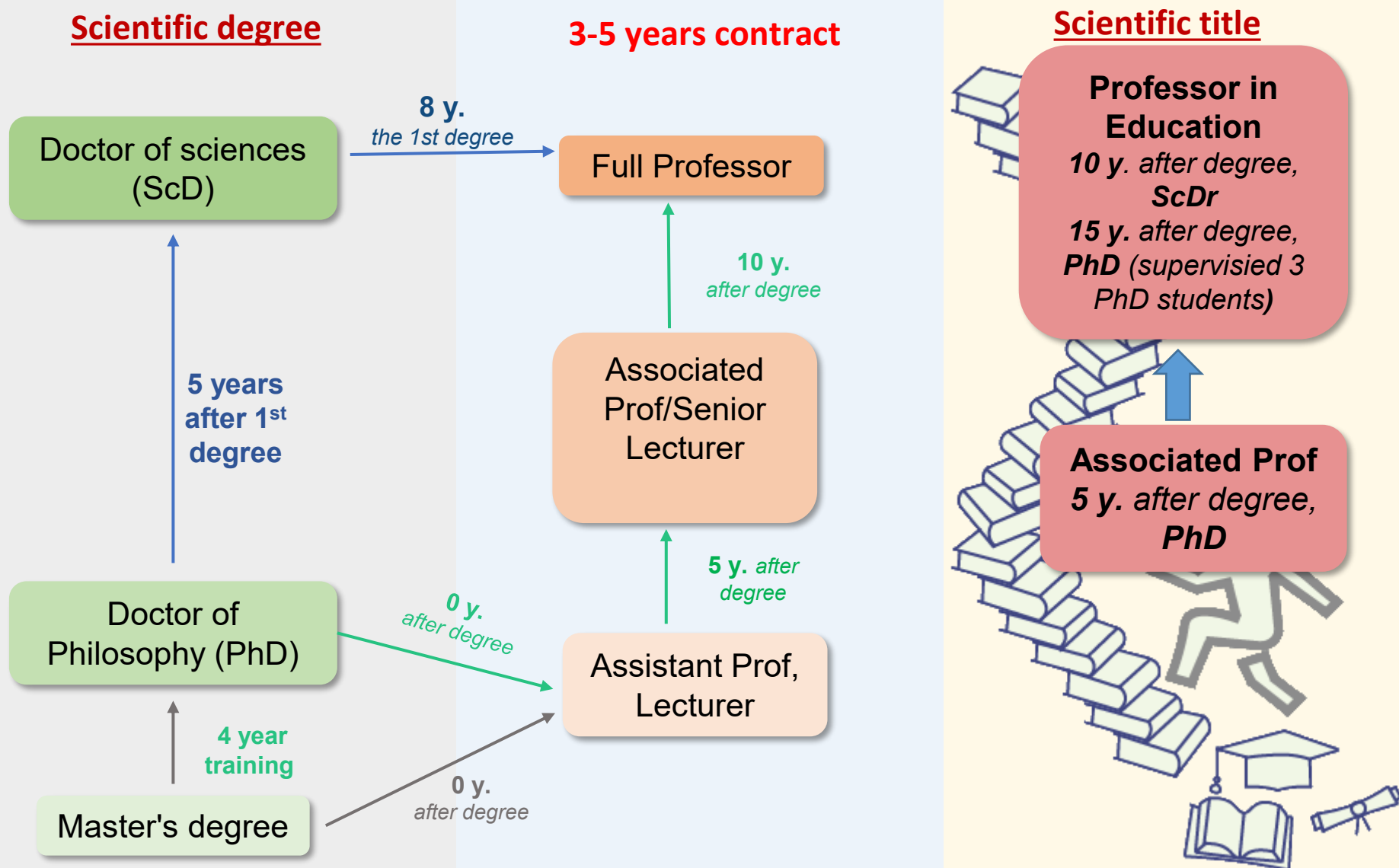
- 215 universities - 49,830 PhD students (93%)
- 185 research institutes - 3,600 PhD students (7 %)

- Annual report of the National Agency for Higher Education Quality Assurance. URL: <https://naqa.gov.ua/wp-content/uploads/2022/02/%D0%97%D0%B2%D1%96%D1%82-2021.pdf>
- Report on the work of postgraduate studies (2021) of Taras Shevchenko National University of Kyiv. Section I. Number of postgraduates, admission and graduation

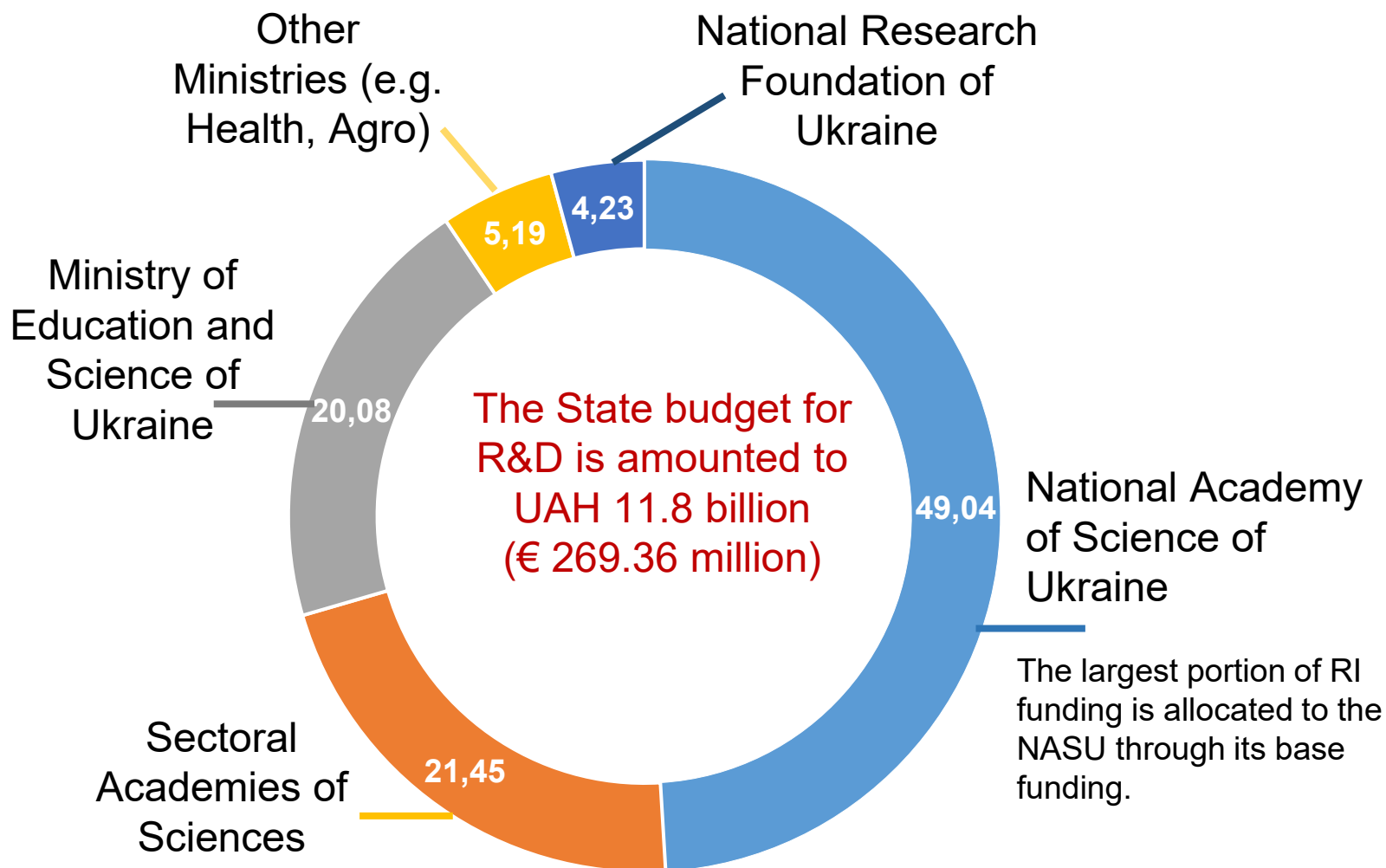
Academic career – Research track



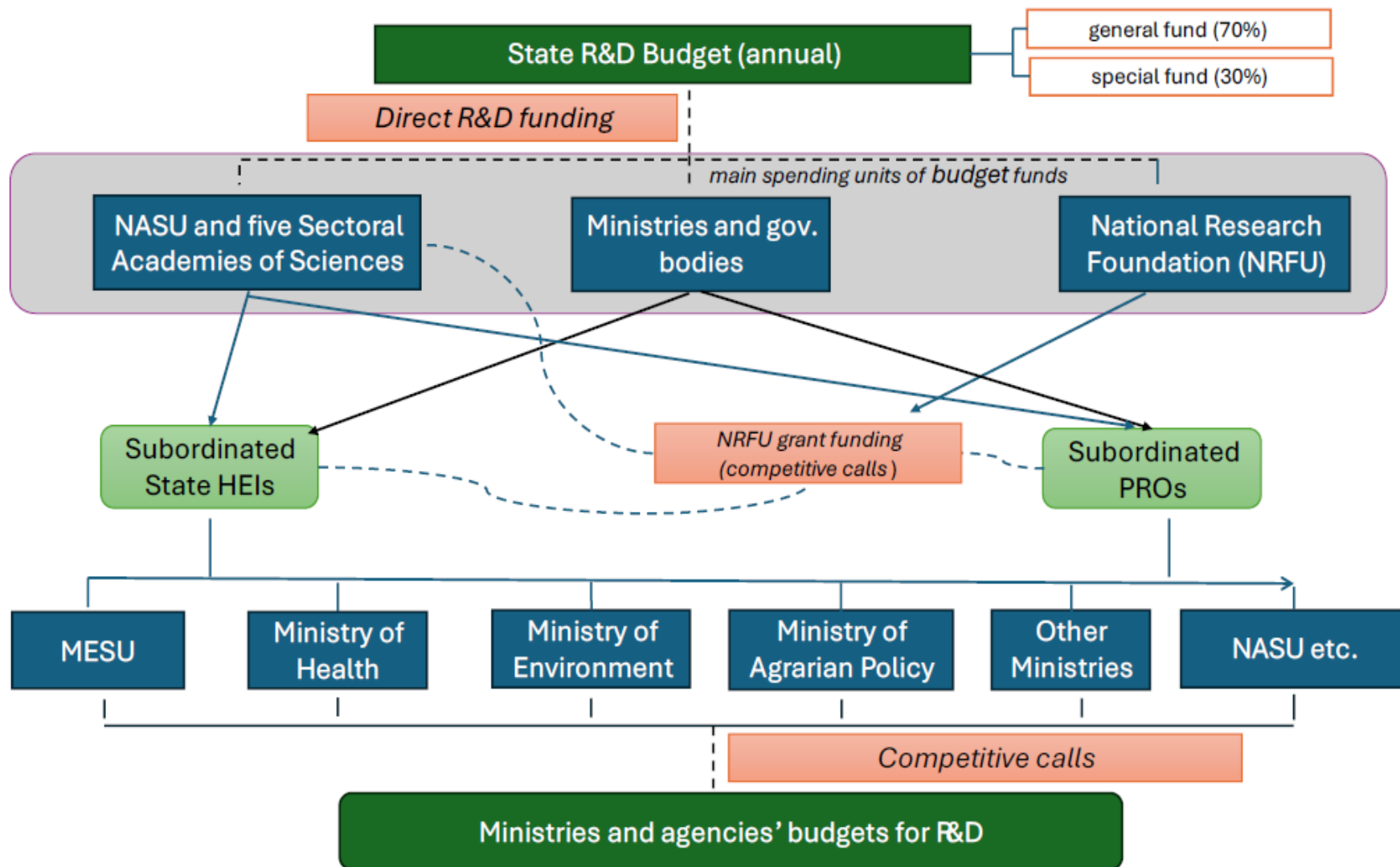
Academic career - Professorship in Universities



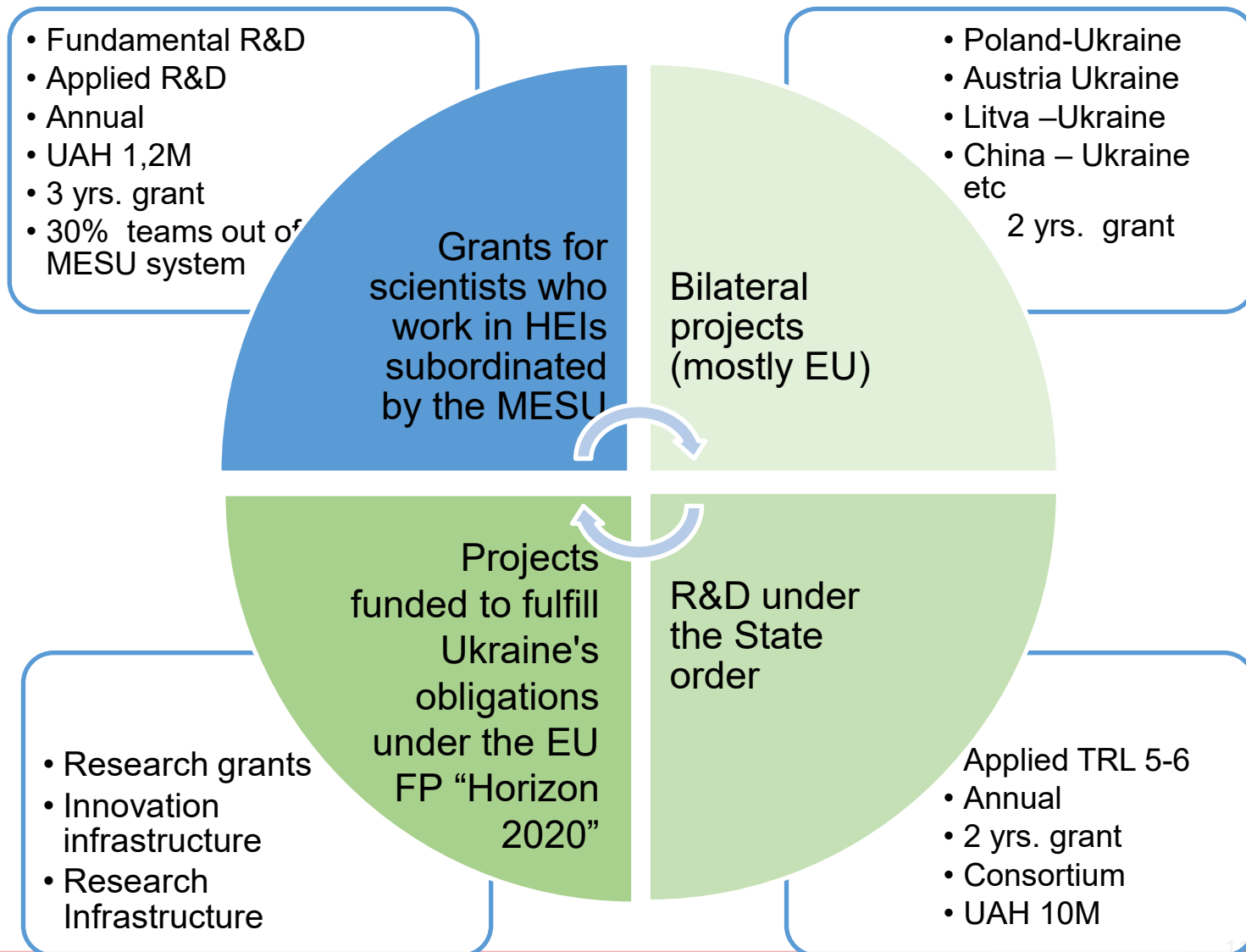
The distribution of expenditure on R&D in Ukraine (2023)



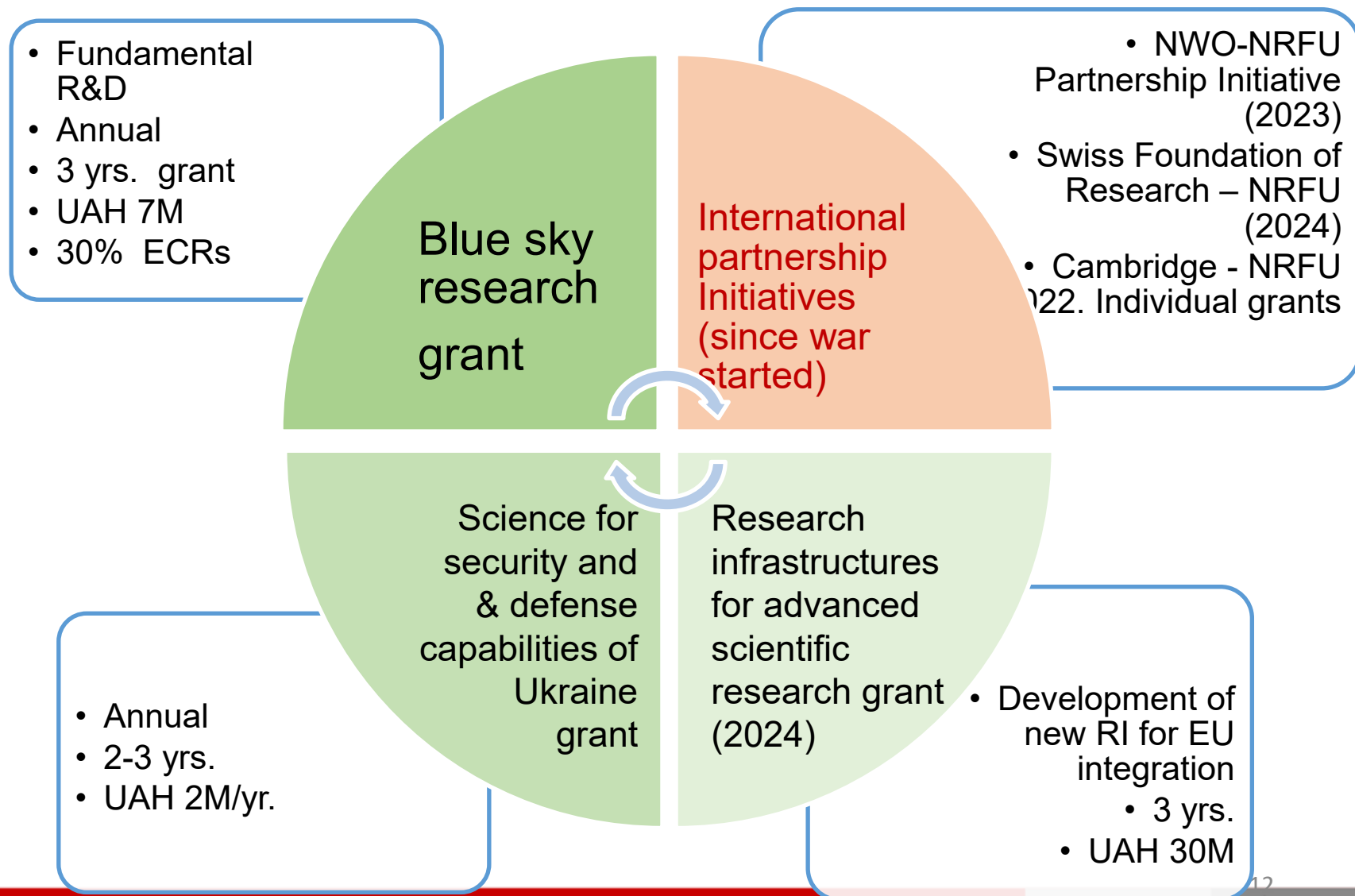
R&D Funding streams in Ukraine



Funding scheme by Ministry of Education and Science of Ukraine (peer-review)



Funding scheme by National Foundation of Fundamental Research (since 2020) (peer-review)



Group grants for Early Carrier Researchers



- **Grants for young scientists who work (study) in HEIs subordinated by the MESU (since 2016)**

- for teams of ECRs (no more than 7 people);
- 30% of team might be out of MESU system
- competitive basis, the grant amount does not exceed 800k UAH;
- 3 years;

Grants of the NASU to research laboratories / groups of young scientists of the NASU to conduct research in priority areas of science and technology (since 2018)

- for teams of ECRs from NASU (no more than 5 people);
- competitive basis, the grant amount does not exceed 1 million UAH;
- 2 years;

Individual Support Grants for Early Career Researchers



Postdoctoral research program at the NASU (since 2021)

- 30 Senior Researcher positions in scientific institutions of the NAS of Ukraine;
- 2 years;
- up to 35 years of age, and not more than 5 years from the dissertation defense date;
- for Ukrainian citizens;



The grants of the President of Ukraine to young scientists and doctors of sciences for research projects

(since 2024)

- For PhD – under 35 y.o
- For ScDr – under 40 y.o
 - Who are working in Ukraine
- 1 year grant

International projects opportunities



A body of the European Union





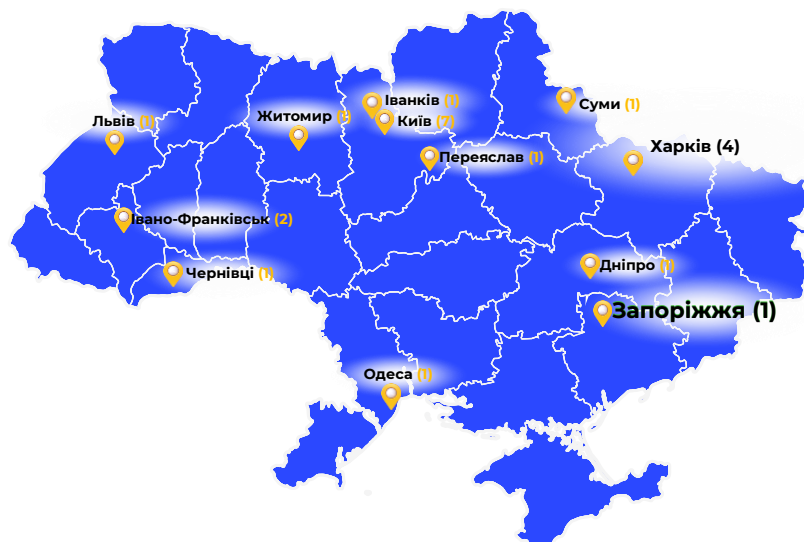
HORIZON EUROPE

Office in Ukraine

HEOinUA Project-101132682 (EC 2023-2027)



Horizon Europe Office was established in 2023
36 representatives of Ukraine to the PC are selected



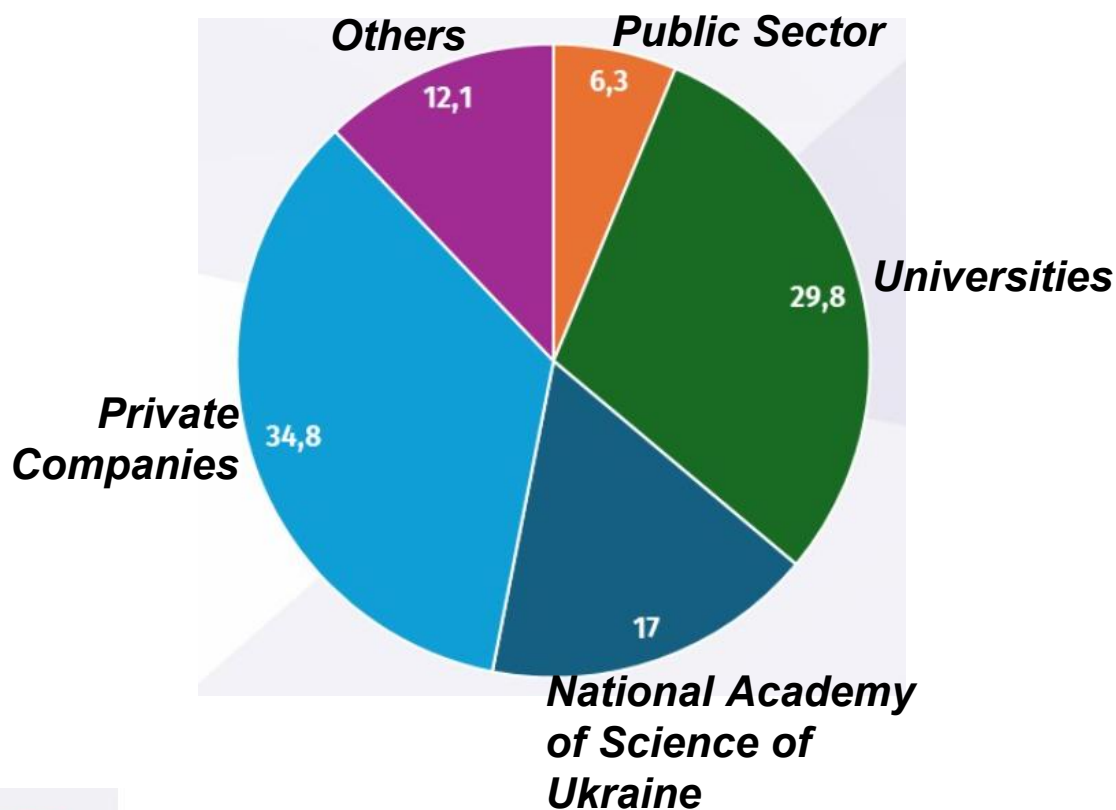
22

National contact point
in 10 regions of
Ukraine

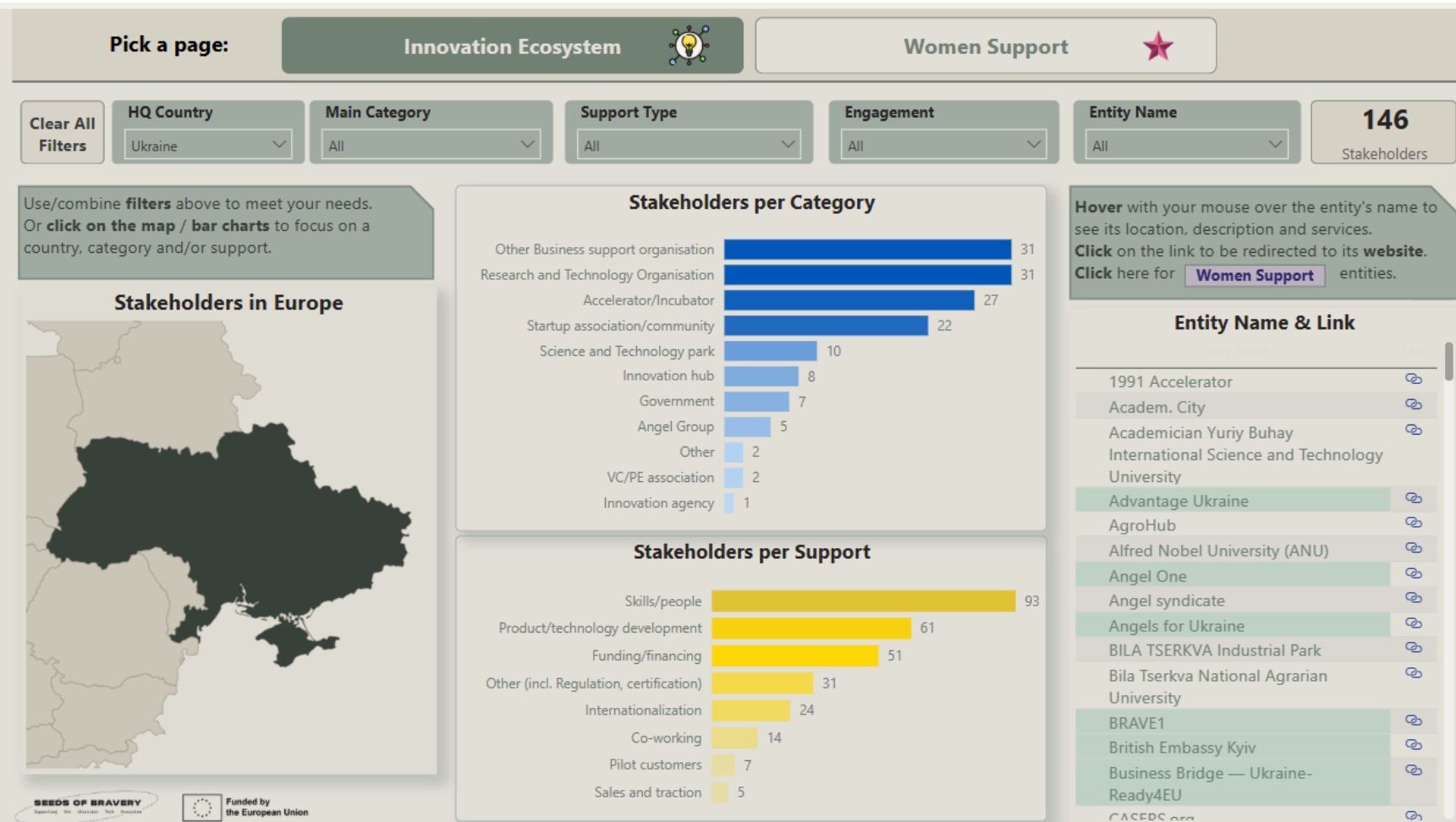
- ✓ *Ukraine is an associate member of the Horizon Europe RP;*
- ✓ *Ukrainian organizations can participate in the preparation and implementation of projects on the same basis as EU⁸ organizations.*

The general statistics on the participation of Ukrainian organizations in joint projects under Horizon Europe (July 01, 2024)

- ✓ The average success rate of Ukraine is 17% (all participating countries is 17.19%).
- ✓ Ukraine ranks 7th out of 18 associated countries in terms of the amount of funding received.
- ✓ Ukraine ranks 6th among associated countries in terms of the number of participants



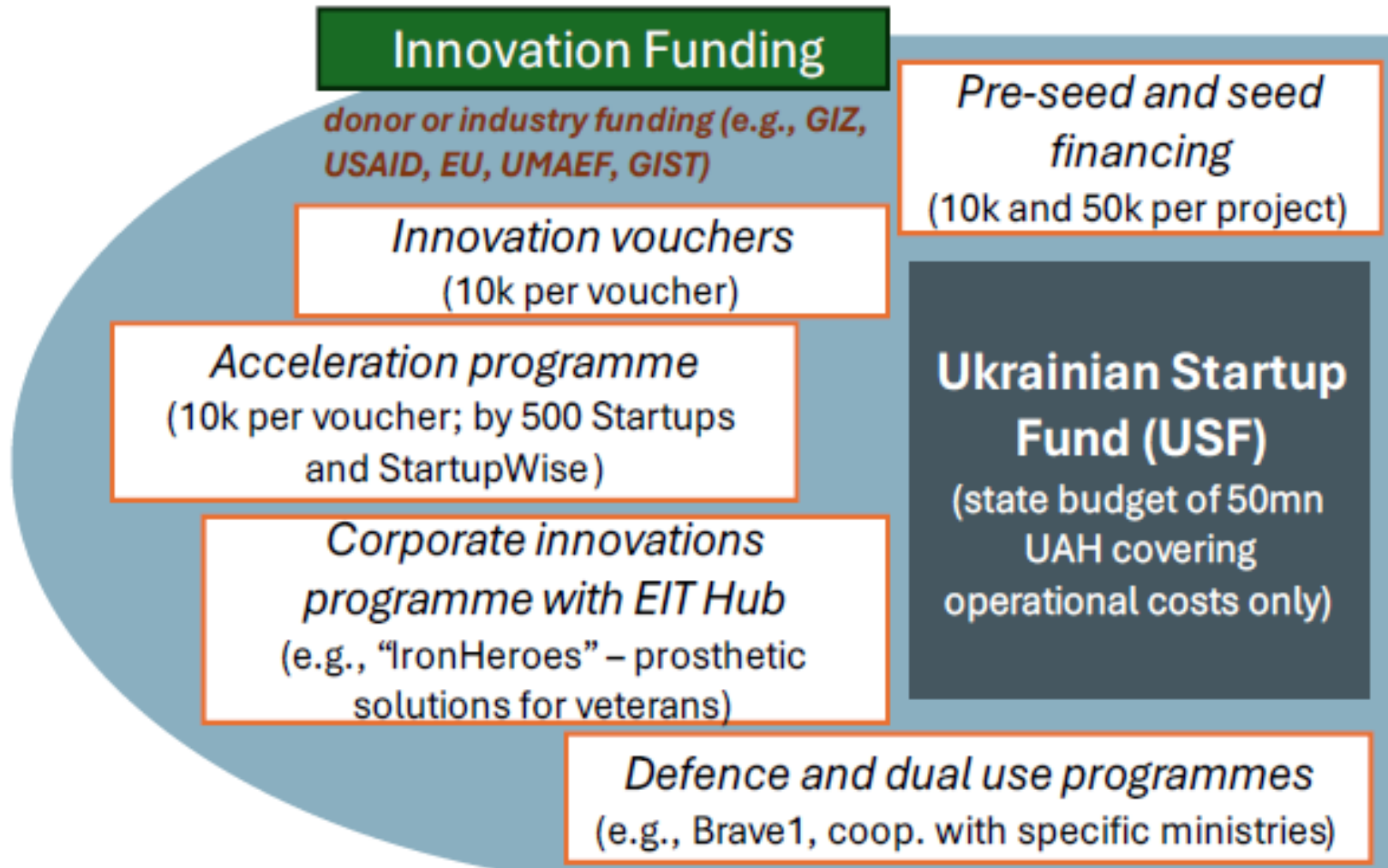
The Interactive map on the key stakeholders of the Ukrainian and European Innovation Ecosystem



The mapping was implemented under the 'Seeds of Bravery' project with support by MESU, the Ministry of Digital Transformation of Ukraine, the Ukrainian Startup Fund, and the Diia.City project office.

See: <https://seedsofbravery.eu/innovation-ecosystem/>

Innovation funding is a separate source and comes from the Ministry of Economy and the Ministry of Digital Transformation



Conclusions



Manuscript completed in May 2025

<https://op.europa.eu/en/publication-detail/-/publication/2cd5cc93-2faa-11f0-8a44-01aa75ed71a1/language-en>



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Taras Shevchenko National University of Kyiv, 2023