



NATIONAL RESEARCH
FOUNDATION
OF UKRAINE



REPORT

on the activities of
the National Research
Foundation of Ukraine

2024

NATIONAL RESEARCH FOUNDATION OF UKRAINE

APPROVED

by the decision of the Supervisory Board
of the National Research Foundation
of Ukraine

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REPORT

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TABLE OF CONTENTS



● INTRODUCTION	5
● SECTION 1. MEASURES TO ENSURE THE OPERATION OF THE INSTITUTION	9
1.1. Activities of the NRFU under martial law	9
1.2. Personnel development	13
1.3. Financial provision	16
1.4. Information, technical and operational support	17
1.5. Internal audit	18
1.6. Prevention of corruption	20
1.7. Internal control and risk management system	21
● SECTION 2. GRANT SUPPORT OF RESEARCH AND DEVELOPMENTS	23
2.1. Organisation and conduct of calls for proposals	23
2.2. Expert procedures and information and technical support	31
2.3. Financing of research and developments	34
2.4. Control over the implementation of grant projects	35
● SECTION 3. CALLS AND INITIATIVES WITH THE SUPPORT OF INTERNATIONAL PARTNERS	38
● SECTION 4. LEGAL SUPPORT OF THE FOUNDATION'S ACTIVITIES	45
● SECTION 5. INTERNATIONAL COOPERATION	49
● SECTION 6. COMMUNICATION ACTIVITIES	61
● SECTION 7. FUNCTIONING OF HORIZON EUROPE OFFICE IN UKRAINE	67
● CONCLUSIONS	73
● PROMISING AREAS OF DEVELOPMENT	77
● ANNEXES	81



INTRODUCTION

INTRODUCTION

The National Research Foundation of Ukraine (hereinafter referred to as the NRFU/Foundation) was established by the state to stimulate fundamental and applied research, develop the national research area and its integration into the global research area, build research infrastructure, and facilitate research and technical cooperation between research institutions, institutions of higher education, and representatives of the real economy and service sector.

The peculiarities of wartime and post-war reconstruction require the Foundation to comprehensively promote Ukraine's rapid transformation into a highly competitive country by creating opportunities for the development of both human capital and technology. Achieving this is the Foundation's strategic goal. Moving towards its achievement is impossible without a fundamental reform of the principles of organizing the work of research teams and individual researchers, as well as the system of research funding. Therefore, the Foundation is one of the main implementers of the reform practices in the research sphere of Ukraine. In accordance with the General Strategy of the National Research Foundation of Ukraine for 2024-2027 (hereinafter - the General Strategy), approved by the decision of the Scientific Committee of the National Council of Ukraine for Science and Technology Development on 05 April 2024, Protocol No. 3, the Foundation's work was aimed at achieving the following strategic goals:

- **Strategic goal 1:** Formation of sustainable, efficient and effective national research communities.
- **Strategic goal 2:** Integration of Ukrainian research into the global research community.
- **Strategic goal 3:** Effective interaction between leaders of research and innovation activities with a focus on national security and defense capability and the step-by-step development of Ukraine.
- **Strategic goal 4:** Dissemination of research knowledge in Ukrainian society and formation of a decent social status of researchers.
- **Strategic goal 5:** Further institutional development of the Foundation and improvement of its legal and regulatory framework.

These generalized strategic goals are expected to collectively solve the main issue – accumulating resources to maximize support for Ukrainian researchers during the period of military aggression of the Russian Federation, as well as funding projects aimed at ensuring the internal stability of Ukrainian society.

One of the key tasks for the Foundation for 2024 was to improve the mechanisms for organizing and holding joint competitive selection for projects with foreign and/or international foundations, societies, institutions, organizations, and associations. To fulfill this task, the Foundation, together with the Ministry of Education and Science of Ukraine, worked at a number of amendments both to the Law of Ukraine 'On Scientific and Scientific-Technical Activities' and to a number of subordinate regulatory and legal acts of Ukraine, which opened the possibility for the Foundation to launch bilateral and multilateral calls for proposals and initiatives. In the reporting year, the Foundation became a partner of such international initiatives as:

- International multilateral partnership to ensure the sustainability of the system of education and science in Ukraine (IMPRESS-U);
- Competitive selection for additional NWO grant opportunities for Ukrainian researchers: Partnership initiative NWO-NRFU 2023;
- Open4UA ("Open science for the Ukrainian system of higher education").

In cooperation with international partners, the Foundation is conducting a systematic search for grant proposals for Ukrainian researchers on an ongoing basis. Information on various types of assistance, including grant support provided by foreign research centers, universities, etc. to Ukrainian researchers during the Russian Federation's full-scale aggression against Ukraine, is regularly posted on the website of the NRFU.

In the reporting year, competitive procedures for three calls for proposals launched at the end of 2023 were completed:

Call "Science for Strengthening the Defense Capability of Ukraine"

A total of **165 applicants** participated in the call (125 in technical sciences, 30 in biological sciences, and 10 in social sciences and humanities). Of these, 57 applications were rejected for non-compliance with the formal requirements and terms and conditions of the call, and the remaining 108 were sent for expert review.

Call "Excellent Science in Ukraine"

A total of **256 applicants** participated in the call (158 in technical sciences, 54 in biological sciences, and 44 in social sciences and humanities). Of these, 68 applications were rejected for non-compliance with the formal requirements and terms and conditions of the call, and the remaining 188 were sent for expert review.

Call "Infrastructures for advanced research"

A total of **28 applicants** participated in the call (18 in technical sciences, 6 in biological sciences, and 4 in social sciences and humanities). Of these, 14 applications were rejected for non-compliance with the formal requirements and terms and conditions of the call, and the remaining 14 were sent for expert review.

One of the main achievements of the reporting year was the successful completion of the call "Ukrainian-Swiss Joint Research Projects: Call for Proposals 2023" (Annex A 1). 124 joint project groups participated in the call, 74 projects of which were recommended by the joint commission for further consideration (scientific and technical review), and based on the results, 20 projects were awarded grants.

Based on the decisions of the Scientific Council of the Foundation, in 2024, agreements were concluded for the implementation of research and developments at the expense of grant support with 274 grantees from the general fund of the state budget and with 12 grantees from a special fund of the state budget based on the results of the NRFU calls:

- **«Science for Safety and Sustainable Development of Ukraine»** – **54 projects** for a total amount of **UAH 149 937,6 thousand** (Annex A 2);
- **«Support for Research of Leading and Young Scientists»** – **2 projects** for a total amount of **UAH 3 634,6 thousand** (Annex A 3);
- **«Science for the Recovery of Ukraine in the War and Post-War Periods»** – **66 projects** for a total amount of **UAH 159 870,3 thousand** (Annex A 4);
- **«Infrastructures for advanced research»** – **10 projects** for a total amount of **UAH 49 162,2 thousand** (Annex A 5);
- **«Science for Strengthening the Defense Capability of Ukraine»** – **80 projects** for a total amount of **UAH 94 492,0 thousand** (Annex A 6);
- **«Excellent Science in Ukraine»** – **62 projects** for a total amount of **UAH 102 595,8 thousand** (Annex A 7);
- **«Cambridge – NRFU 2022. Individual grants for research (developments) for Ukrainian researchers (with the support of University of Cambridge, UK)»** – **12 projects** for a total amount of **UAH 4 857,3 thousand** (Annex A 8).

In 2024, the Directorate of the Foundation performed systematic and targeted work to increase the number of employees. Given that the state has designated the Foundation as an entity in the organization and conduct of five new annual calls, the Directorate initiated the issue of amending the Decree of the Cabinet of Ministers of Ukraine No. 528 'On the National Research Foundation of Ukraine' of 4 July 2018 to increase the number of employees. The need to increase the number of employees of the Directorate of the NRFU under the general fund of the state budget of Ukraine is associated with the emergence of additional powers to organize and conduct calls for Annual Grants of the President of Ukraine to Young Scientists and Doctors of Sciences, as well as the Verkhovna Rada of Ukraine Prize for Young Scientists (Decree of the President of Ukraine of 14 May 2024 No. 324/2024 'On Amendments to Certain Decrees of the President of Ukraine on Annual Grants of the President of Ukraine to Young Scientists and Doctors of Sciences' and Decree of the Verkhovna Rada of Ukraine No. 3795-IX dated June 6, 2024 'On Amendments to the Decree of the Verkhovna Rada of Ukraine "On the Verkhovna Rada of Ukraine Prize for Young Scientists" on the Awarding Procedure.

Therefore, according to the Decree of the Cabinet of Ministers of Ukraine of 19 November 2024 No. 1324, the staffing level was set at 94 employees, 80 units of which are financed from the general fund of the state budget and 14 units (the maximum number of employees of a structural division established to ensure the implementation of European Union research and innovation programs or equivalent programs in Ukraine to implement relevant projects for the period of such programs (parts of such programs) – at the expense of special funds).

The Scientific Council of the Foundation approved the Action Plan for the implementation of the decision of the Cabinet of Ministers of Ukraine 'On the results of consideration of the Report on the review of state budget expenditures in the field of science in terms of grant support for research and scientific and technical (experimental) developments for the period 2021-2023', formed in pursuance of the recommendations of the Ministry of Finance of Ukraine on the results of the review of state budget expenditures in the field of science in terms of grant support for research and scientific and technical (experimental) developments by the National Research Foundation of Ukraine for the period 2021-2023 (Protocol No. 2 of 16.01.2025).

REPORT
2024



SECTION 1

MEASURES TO ENSURE THE OPERATION OF THE INSTITUTION

1.1. *Activities of the NRFU under martial law*

The activities of the Foundation under martial law in 2024 were **focused exclusively on the goals and priorities outlined in the General Strategy**. The Strategy was developed during Russia's full-scale invasion of Ukraine which posed a number of serious new challenges for Ukrainian society in general, and for the Ukrainian research community in particular. During these incredibly difficult times, the Foundation became even more convinced of the correctness of its view of science as a strong and necessary component for building an independent Ukraine with a sustainable and competitive economy and a developing society.

A widespread use of advanced research technologies is key to successfully addressing the most complex issues of the present, including global challenges such as climate change, pandemic threats, wars, the transition to digital technologies, and the use of artificial intelligence (AI). Science enables the resolution of other issues faced by dynamic societies. These challenges necessitate a shift in the priorities of funding Ukrainian research and require the implementation of new formats for integrating it into the international research community. This is dictated by the need to increase the competitiveness of both existing and newly formed research groups capable of generating internationally recognized research results in Ukraine, implementing modern development areas, and utilizing the achievements of global research in our country.

The Scientific Council of the Foundation has identified the role of research in addressing societal and global issues, such as sustainable economic growth, education and healthcare, population security and environmental protection as vital, as stated in the UN Agenda for Sustainable Development until 2030.

In the reporting year, the activities of the Foundation were also aimed at implementing Ukraine Recovery Plan and the themes of national programs included in it were considered.

The current activities of the Foundation in 2024, in terms of determining priorities, are influenced by new social challenges for Ukrainian research, related to:

- 1. the dispersion and loss of its potential due to the war;**

2. **the need to reconsider and use the experience of the Foundation since its establishment;**
3. **the multidisciplinary nature and complexity of the tasks Ukraine and the Foundation are facing.**

These tasks include, but are not limited to, the need to build an effective system for selecting reviewers, implement flexible legislative changes in the regulation of science, achieve national and international recognition for Ukrainian research communities, support the national reform in the field of Open Science to modernize the research system and accelerate European integration, implement existing advanced approaches, and develop recommendations and mechanisms for reforming the assessment of research activities in the process of reviewing research projects, etc.

The Foundation recognizes that continuing outdated, ineffective practices for organizing and financing research based on a paternalistic philosophy creates critical risks for the development of human resources and innovative technologies in Ukraine. Under current or future external aggression, this could jeopardize the very existence of the Ukrainian state or lead to a partial loss of its independence.

The advantages of the Foundation include:

- providing funding to research groups and individual researchers on a competitive basis, regardless of institutional funding of organizations they work for;
- providing funding that meets the needs of a project, satisfies the demands of its implementers, and ensures the necessary material and technical resources for research communities to implement research tasks;
- creating transparent mechanisms for properly motivating research groups, individual researchers, and research as a whole;
- independence in implementing state policy on scientific and scientific-technical activities within the defined priorities for research funding;
- legal conditions and mechanisms for attracting alternative sources of funding for research projects;
- raising awareness within the research community regarding the management of grant projects and the opportunities for attracting grant funding;
- opportunities provided by the Foundation to Ukrainian researchers regarding the integration of the national science into the global research area.

The challenges the Foundation is facing are related to:

- russian aggression and martial law, which complicates the activities of the Foundation, research institutions, communities, and individual researchers;
- unpredictability of state funding amounts;
- complexity and duration of developing compromise and effective procedures, lack of experience among experts involved in policy formation and operational practices of the Foundation;
- multitasking, complexity in developing the regulatory framework, considering the demands of the research community and the de facto situation in Ukrainian research, aligning this framework with the needs of society and current legislation, the need to analyze actions and improve them – all this in real time and busy environment;
- the imperfection of legal regulation;
- insufficient level of grant culture within the research community of Ukraine;

- the need for constant professional growth of employees of the Directorate of the Foundation, especially given the lack of specialized educational programs in science administration and the ongoing evolution of approaches to grant administration in Ukraine and worldwide;
- the need for diversification of funding sources;
- attempts of external interference in the Foundation's independent statutory activities;
- lack of interagency coordination on the financial support of research projects which may lead to double funding;
- the lack of intersectoral communication and a unified vision for the development of science in Ukraine, given the status of the Scientific Council Foundation as a collegial body working on a volunteer basis, which may affect its effectiveness.

The risks for the Foundation's activities are due to:

- unpredictability of the situation in the country and obstacles to conducting research caused by martial law (risks of budget sequestration, infrastructure outages, destruction of laboratories and equipment, mobilization of project authors to the Armed Forces of Ukraine, forced migration of researchers within Ukraine and abroad, etc.);
- possible limitations in funding during post-war recovery and rising inflation;
- a shortage of qualified reviewers;
- technical imperfection of the Foundation's electronic information system;
- insufficient level of research culture (in particular, in terms of adherence to the principles of academic integrity) in Ukraine, complicating procedures and criteria for selecting reviewers and call commission members, and reducing the quality of project assessment;
- a decline in intellectual potential due to the migration of researchers abroad, their deaths at the front, and the resulting issue of recovery and ensuring continuity in research practices;
- difficulties in attracting and supporting early-career researchers;
- the critical condition of the research material and technical base in Ukraine.

The strategic focus of the NRFU Directorate in 2024 was ensured by the coordinated and systematic work of the Scientific Council. During the reporting year, 45 meetings of the Scientific Council of the NRFU were held, within which 210 points were considered, in particular in the following areas (Fig. 1.1):

- stimulation of basic and applied research – 96 points;
- implementation of the state policy in the field of scientific and scientific-technical activities – 29 points;
- development of the national research area, its integration into the global research area, and development of the research infrastructure in Ukraine and its integration into the world research infrastructure – 23 points;
- promotion of international exchange of information and researchers – 15 points;
- popularization of scientific and scientific-technical activities – 20 points;
- category "Other" – 27 points.

in 2024

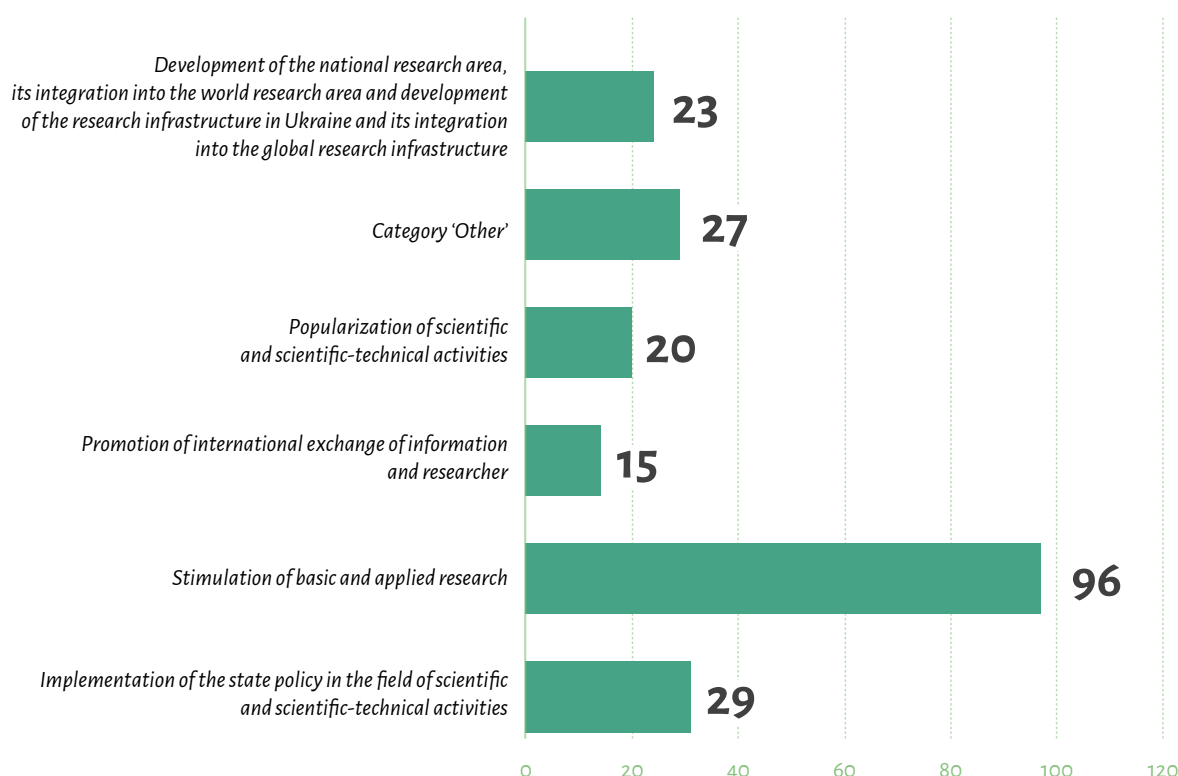


Fig. 1.1 — Categories of points considered by the Scientific Council of the NRFU in 2024

Among the most significant issues initiated and approved by the decisions of the Scientific Council of the NRFU in 2024, the following can be summarized:

1. On submission of an application for engagement of the NRFU Directorate Department “Horizon Europe Office in Ukraine” in the ERC Mentoring Initiative.
2. On preparation and approval of budget parameters for the budget program passport of the NRFU.
3. On involvement of the NRFU in an international consortium for the implementation of the international project “ERA-NET UA” (working title).
4. On election of the Chair of the Scientific Council of the Biology, Medicine, and Agricultural sciences section.
5. On approval of the General Strategy for the National Research Foundation of Ukraine for 2024 – 2027.
6. On decision regarding grant support in 2024.
7. On signing of a draft Memorandum of Understanding between the Shota Rustaveli National Science Foundation of Georgia (SRNSFG) and the National Research Foundation of Ukraine regarding research cooperation.
8. On the results of the audit conducted by the State Audit Office of Ukraine on certain issues of financial and economic activities and the state financial audit of the implementation of budget programs at the National Research Foundation of Ukraine for the period from January 1, 2020, to June 30, 2023.

9. On provision of a response from the Ministry of Education and Science of Ukraine regarding the possibility of assigning functions of the Coordination center on the NRFU department "Horizon Europe Office in Ukraine".
10. Presentation of the experience in implementing Open Science practices under the OPUS project.
11. On involvement of the National Research Foundation of Ukraine (NRFU) in applying for the project "Enhancing the capacity of the Ukrainian research sector through the development of communication among employees and the creation of project support office networks" (2024-2026) within the framework of the Polish Aid Program.
12. On approval of the results of the call "Infrastructures for Advanced Research".
13. On approval of the results of the call "Science for Strengthening the Defense Capability of Ukraine".
14. On approval of the results of the call "Excellent Science in Ukraine".
15. On consideration of proposals for capacity building in diversification and de-bureaucratization of the activities of the NRFU.
16. On approval of the NRFU Action Plan to support CoARA for 2024-2029.
17. On providing grant support in 2024 to the winners of the call "Science for Strengthening the Defense Capability of Ukraine", " Infrastructures for Advanced Research ", " Excellent Science in Ukraine".
18. On approval of the results of the call "Ukrainian-Swiss Joint Research Projects: Call for Proposals 2023".
19. On amendments to the Regulation on the procedure of election, appointment and dismissal of the Executive Director, Deputy Directors, Heads of structural divisions of the NRFU.
20. On consideration of the applications of women researchers from Ukraine for inclusion in the international database AcademiaNet in 2024.
21. On possibility of the NRFU to participate as an associated partner in the call " Consolidating and developing the landscape of European research infrastructures by supporting research infrastructure policy in Ukraine".

1.2. *Personnel development*

During 2024, the Foundation performed significant work to improve and develop internal regulatory documents that govern the activities of the National Research Foundation of Ukraine (NRFU). In particular, amendments were made to the Regulations procedure of election, appointment and dismissal of the Executive Director, Deputy Directors, Heads of structural divisions of the NRFU, as well as to the Distribution of responsibilities between the executive director of the NRFU and his deputies. Additionally, in order to enhance operations, amendments were made to the Regulations on structural divisions of the NRFU and the relevant job descriptions of employees, as well as to the structure and staff list of the NRFU Directorate.

In order to implement the state policy on personnel management, recruitment and staffing were carried out to ensure competent and responsible execution of job duties. Vacant positions were filled taking into account the professional qualifications, work experience and organizational skills of candidates.

At the end of the reporting period, the activities of the Foundation were supported by **65 individuals** (at the beginning of the year – 54 individuals), 61 of whom are key staff, and 4 work part-time. Additionally, 4 NRFU employees were exempted from performing their job duties with the preservation of their place of work for the duration of mobilization, and 1 employee is on parental leave until the child reaches the age of six.

The administrative and managerial staff of the NRFU consists of 19 heads (Executive Director, First Deputy Executive Director for Grant Support, Deputy Executive Director for General Issues, 14 heads of structural divisions, and 2 deputies of the heads of structural divisions) and 46 chief specialists.

At the same time, a total of 18 individuals with PhD degrees (Candidates of Sciences) work at the NRFU, 7 of whom hold academic titles: 6 associate professors and 1 senior researcher.

Throughout 2024:

- appointed to positions – 30 individuals;
- dismissed from positions – 20 individuals;
- transferred from one position to another – 16 individuals.

Personnel accounting

During the reporting period, 497 orders on personnel matters were prepared, namely:

- on appointments, dismissals, and transfers – 66;
- on material incentives – 53;
- on payment of material assistance – 71;
- on establishing a remote work regime, temporary performance of duties of absent managerial staff – 62;
- on granting leave – 183;
- on sending for business trips within Ukraine and abroad – 36;
- others – 26.

The Directorate of the Foundation conducted systematic and targeted work throughout the year to increase the number of employees. Given that the State has designated the Foundation as the entity responsible for organizing and conducting two annual calls, the Directorate initiated to issue amendments to the Resolution of the Cabinet of Ministers of Ukraine No. 528 regarding the increase in the number of employees. The need to increase the number of employees in the Directorate of the NRFU from the general fund of the state budget of Ukraine is related to the emergence of additional powers for organizing and conducting annual grant calls for early-career researchers and doctors of sciences, as well as the Verkhovna Rada of Ukraine Prize for Young Scientists (Decree of the President of Ukraine dated May 14, 2024, No. 324/2024 "On Amendments to Certain Decrees of the President of Ukraine on Annual Grants of the President of Ukraine to Young Scientists and Doctors of Sciences" and the Decree of the Verkhovna Rada of Ukraine dated June 6, 2024, No. 3795-IX "On Amendments to the Decree of the Verkhovna Rada of Ukraine "On the Verkhovna Rada of Ukraine Prize for Young Scientists" on the Awarding Procedure").

Thus, according to the Decree of the Cabinet of Ministers of Ukraine dated November 19, 2024, No. 1324, the staffing level was set at 94 units, 80 units of which are financed from the general fund of the state budget and 14 units (the maximum number of employees of a structural division formed within the framework of ensuring the implementation of European Union programs on research and innovation or equivalent programs in Ukraine for the implementation of respective projects

for the validity period of such programs (parts of such programs) are financed at the expense of the special fund of the state budget.

This is a significant achievement and a boost for the further development of the institutional capacity of the National Research Foundation of Ukraine.



Horizon Europe Office

Currently, the department "Horizon Europe Office in Ukraine" employs 14 individuals under fixed-term employment contracts: the head of the department, the deputy head of the department, and 12 chief specialists.

Professional development

Throughout the year, training and professional development of the employees of the NRFU Directorate was conducted in accordance with the consolidated professional development plan, considering the Annual Procurement Plan for 2024 (with amendments).

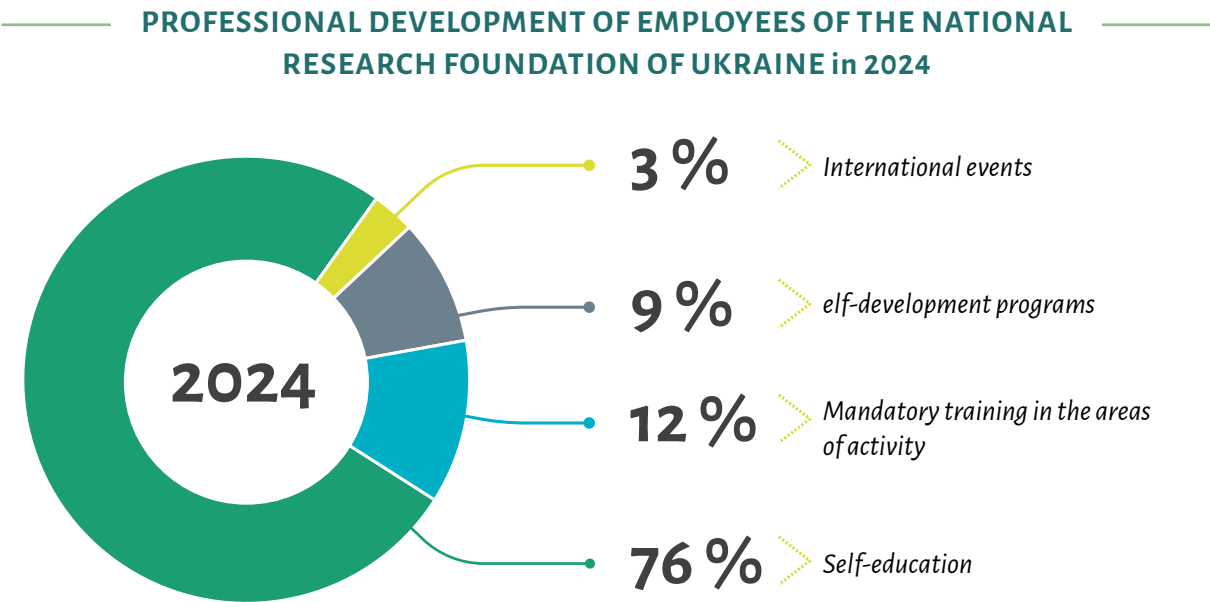


Fig. 1.2 — Professional development of the NRFU employees in 2024

1.3. Financial provision

The passport of the budget program for 2024 from the general fund of the state budget under the CPCEC 2201300 'Support for the activities of the National Research Foundation, grant support for research and scientific and technical (experimental) developments' of the Foundation provides UAH 610,462.6 thousand, of which UAH 567,766.3 thousand is allocated for 'Grant support for basic research in natural, technical, social sciences and humanities and applied research and scientific and technical (experimental) developments in priority areas of science and technology'.

TABLE 1.1

State budget financial provision for Grant support for basic research in natural, technical, social sciences and humanities and applied research and scientific and technical (experimental) developments in the priority areas of science and technology in 2024, thousand UAH

Name	Amount of funding
Call «Science for Safety and Sustainable Development of Ukraine»	162 628,4
Call «Support for Research of Leading and Young Scientists»	4 488,8
Call «Science for the Recovery of Ukraine in the War and Post-War Periods»	176 226,9
Call «Excellent Science in Ukraine»	94 422,2
Call «Research for Strengthening the Defense Capacity and National Security of Ukraine»	80 000,0
Call «Infrastructures for advanced research»	50 000,0
Total:	567 766,3

Also in 2024 a special fund of the state budget of the Foundation provides for expenditures for the implementation of international initiatives of the Foundation, including the implementation of one of the largest grants from the European Commission, provided for the establishment of the National Contact Point under the Horizon Europe programme (Table 1.2).

TABLE 1.2

Financial provision from a special fund of the state budget in 2024,
thousand UAH.

REPORT
2024

Name	Amount of expenditures
Project «Horizon Europe Office in Ukraine as the key National Contact Point (NCP)»	47 334,0
Call «Cambridge – NRFU 2022. Individual grants for research (developments) for Ukrainian researchers (with the support of University of Cambridge, UK)»	4 857,3
Project «Open Science for higher education system»	731,5
Total:	52 922,8

1.4. Information, technical and operational support

During the reporting year, information and technical support was provided for the activities of the National Research Foundation of Ukraine (NRFU), namely:

- provision of technical support for the conduct and organization of the NRFU calls for proposals, meetings of the NRFU Scientific Council, scientific councils of its sections, and the directorate;
- technical support for the activities of call commissions, research review and competitive selection of projects;
- ensuring the protection of information resources of the NRFU (including the protection of information in information and telecommunication systems) and maintaining their operability during operation;
- provision of technical support for the unified information and technology system for users interaction;
- determining the need, purchasing, and setting up computer equipment, software, networks, systems, their configuration, and support during operation;
- organization of access to the Internet for the NRFU employees.

Only licensed software is used in the information and telecommunication system of the NRFU.

Throughout 2024, technical problems encountered by the NRFU employees when using personal computers, software, and office equipment at work were addressed, as well as consultations and technical assistance were provided.

Support was carried out for the hardware and software complex of cybersecurity and the integrated information protection system of the Automated System "The NRFU Call for Projects". Attention was

paid to configuring security policy parameters and domain control, user group policies, and the security of system services.

In 2024, the Foundation carried out the modernization of the Automated System "The NRFU Call for Projects" according to the Terms of reference for the modernization of the Automated System "The NRFU Call for Projects" (Phase I), approved by the decision of the Scientific Council of the NRFU (protocol dated August 22, 2024, No. 29).

The NRFU organized and conducted the migration of the complexes VM1, VM2, VM3, VM4, and VM5 (cryptographic protection) and the software of the Automated System "The NRFU Call for Projects" (hereinafter - ASCP) from the server of Kyivstar JSC to the new hardware complex Microsoft Azure Stack and Microsoft Azure Disk of Kyivstar JSC within the existing data processing center (DPC). The necessary infrastructure for the operation of ASCP was deployed, and the migration of structured and unstructured databases of ASCP was carried out while preserving existing formats and links in the current data structure of ASCP. The versions of the Linux operating systems on the virtual machines (VM1, VM2, VM3, VM4) were updated, system libraries were updated, the version of Java was updated to the latest version at the time of service provision, and other application software components of ASCP that were outdated and required updating were also updated.

In order to provide material and technical support to the NRFU, systematic work was carried out to determine the needs for the procurement of goods and services. Procurement of goods and services was performed in accordance with the Annual Procurement Plan of the NRFU for 2024. Throughout the year, work was done to amend the annual procurement plan, taking into account determined needs according to the established procedure. In accordance with the Annual Procurement Plan (with amendments) of the NRFU for 2024, procurement of goods and services was organized, and 79 agreements were concluded (of which 45 agreements were for the activities of the "Horizon Europe Office in Ukraine" department). **No cases of improper performance** of contractual terms and conditions with counterparties were identified in 2024.

Throughout the year, control was exercised over the proper material and technical condition of the premises of the NRFU and the effective use of material assets.

During the reporting period, the authorized safety officer conducted 24 introductory briefings on labor protection and fire safety, 105 initial/recurrent briefings on labor protection, and 38 recurrent briefings on fire safety.

1.5. Internal audit

In accordance with the Internal Audit Activity Plan for 2024-2026 (with amendments), approved by the Executive Director on September 20, 2024, and the orders of the NRFU regarding the conduct of internal audits, 4 internal audits were conducted, the results of which are reflected in the audit reports and submitted to the Executive Director for management decision-making, namely:

- the organization and activities of the Organizational Support Sector;
- the organization and activities of the Grant Support Department in the Field of Biology, Healthcare, and Bioresources of the Grant Support Division;
- organization and activities of the "Horizon Europe Office in Ukraine";

- organization and implementation of verification of applications for receiving grant support for compliance with formal requirements.

Considering the above, 100 percent implementation of the Internal Audit Activity Plan for 2024-2026 (with amendments) has been ensured in terms of conducting internal audits scheduled for 2024.

Based on the results of the audit investigations, conclusions were formed, and taking into account the identified risks in the activities of the NRFU, 31 recommendations were provided to the responsible individuals with the aim of improving the internal control system, particularly the control environment, minimizing or eliminating risks.

The provided recommendations contributed to the improvement of processes in certain areas of the NRFU's activities, in particular:

- new forms of the Questionnaire for familiarizing new employees with the regulatory documents on grant management and the Adaptation Program for new employees of the Grant Support Division have been developed;
- an inventory of the orders of the Executive Director of the NRFU was conducted for the period from January 1, 2020, to November 1, 2024, to ensure their execution, avoid duplication of issues, or initiate the cancellation of irrelevant ones;
- a register of individual assignments of the Executive Director has been created on the network resource to establish a process for monitoring and analyzing the execution of assignments by the Executive Director (or the person substituting him/her);
- a Regulation on the procedure for working with information with restricted access has been developed and approved (order dated December 27, 2023, No. 100);
- opportunities for personnel selection have been expanded: cooperation with employment centers, searching for candidates through the website roboata.ua.

By the order of the NRFU dated September 26, 2024, No. 86, the Procedure for assessing and improving the quality of internal audit in the NRFU has been approved, which defines: key performance indicators of the Sector of Internal Audit, the form of the Questionnaire for surveying the responsible person regarding the position of stakeholders to obtain an external assessment of the quality of internal audit, self-assessment questions regarding the quality of the performance of duties and tasks by the employee of the Sector of Internal Audit of the NRFU, the form of the Program for ensuring and improving the quality of internal audit, as well as 5 Aspects of the activities of the Sector of Internal Audit for determining the final assessment (level) of the quality of internal audit activities of the NRFU.

By the order of the NRFU dated December 23, 2024, No. 100, amendments have been made and the Procedure for conducting internal audit in the NRFU has been approved in a new edition. The appendices to the specified procedure have standardized the process of risk-oriented planning of internal audit activities in the NRFU.

In order to optimize the activities of the Sector of Internal Audit, amendments were made to the Internal Audit Activity Plan for 2024-2026 on September 20, 2024.

The internal audit area has been formalized and documented by maintaining a database and ensuring its current state, considering the specifics of the activities of the National Research Foundation of Ukraine.

Thus, the scope of internal audit has been supplemented with the following objects, in particular: planning the activities of the Directorate of the NRFU, execution of plans and achievement of goals defined in the plans of the NRFU; Budget program CPCEC 2201300 "Support for the activities of the

National Research Foundation, grant support for research and scientific and technical (experimental) developments"; the process of conducting work related to the conclusion of agreements for grant support and processing of reporting documents by grantees; the process of checking applications for grant support for compliance with formal criteria.

Risk assessment was conducted (updated) and documented for each research object using selection factors and a risk matrix, and the positions of persons responsible for the activities associated with priority objects of internal audit were examined.

Based on the results of the risk assessment, the Internal Audit Activity Plan for 2025-2027 has been formed and approved on December 20, 2024.

In order to obtain an external assessment of the quality of activities of the Sector of Internal Audit within the framework of periodic internal assessments conducted by the heads of research entities upon completion of internal audits, questionnaires for the survey were filled out. The results of the survey showed an adequate level of internal audit activity (rating 3 out of 3).

Within the timeframe specified by the Procedure for Assessing and Improving the Quality of Internal Audit at the National Research Foundation of Ukraine (order dated September 26, 2024, No. 86), an internal quality assessment of the activities of the Sector of Internal Audit for 2024 was conducted based on five aspects: ensuring the internal audit activities at the NRFU; internal documents on internal audit issues; planning of internal audit activities and the status of plans implementation; organization and conduct of internal audits; effectiveness of conducted internal audits and monitoring of results. The final results of the internal quality assessment of the internal audit across all aspects of activity showed a result at the level of 4 "Maturity".

1.6. *Prevention of corruption*

According to part 1 of Article 131 of the Law of Ukraine "On Preventing Corruption", a designated person for preventing and detecting corruption (hereinafter referred to as the authorized person) has been appointed at the National Research Foundation of Ukraine from among the staff of the NRFU (head of the HR Sector). The tasks, functions, and rights of the authorized person are defined by the Regulation on the Authorized Person for Preventing and Detecting Corruption of the NRFU, approved by the NRFU order dated March 31, 2021, No. 22.

During 2024, the authorized person processed and approved 106 orders related to core activities. In addition, the following were agreed upon:

- the annual procurement plan of the NRFU for 2024 which is published on the official website;
- 79 economic agreements.

During the reporting period, there were no reports from the NRFU employees regarding manifestations of corruption, and no actions indicating corruption or involving corruption risks were identified. No cases of conflict of interests, attempts at self-regulation, or facts that may indicate violations of the law regarding the prevention and regulation of conflict of interests in the structural divisions of the NRFU were recorded.

1.7. Internal Control and Risk Management System

In compliance with the requirements of Article 26 of the Budget Code of Ukraine, in accordance with the Basic principles of internal control by allocators of budget funds, approved by the Decree of the Cabinet of Ministers of Ukraine dated 12.12.2018 No. 1062 and Methodical recommendations on the organization of internal control by allocators of budget funds in their institutions and sub-departmental budget institutions, approved by the Order of the Ministry of Finance of Ukraine No. 995 dated 14.09.2012, the Order of the NRFU No. 34 dated 15.08.2022 approved the 'Instructions for the organization and implementation of internal control at the National Research Foundation of Ukraine' (as amended).

The heads of the structural divisions created a list of risks that may affect the performance of assigned tasks and functions by the structural division or the activities of the NRFU Directorate as a whole.

Based on the results of risks identification and assessment, all risks and proposals for ways to react to them, the main control measures and responsible actors for influencing the identified risks were summarized by the heads of structural divisions of the NRFU in the List of risks that may affect the performance of established tasks and functions or the activities of the NRFU and in the Plan for the implementation of measures to control the identified risks.

Monitoring activities were carried out to assess the implementation of control measures for identified risks.

In order to implement clause 6.11 of the Instruction on the organization and implementation of internal control, the National Research Foundation of Ukraine has prepared 'Results of monitoring the state of implementation of measures to control identified risks' as of May 24, 2024, in the form established by the Instruction.

In accordance with clause 5.27 of the Instructions on the organization and implementation of internal control at the National Research Foundation of Ukraine, approved by the Order of the National Research Foundation of Ukraine dated 15.08.2022 No. 34 (as amended), the 'Generalized list of risks in the activities of the National Research Foundation of Ukraine for 2024' and 'Generalized plan for the implementation of measures to control the identified risks for 2024' were prepared.

A total of 94 risks were identified, of which: internal – 60, external – 30, external and/or internal – 4 (Fig. 1.3).

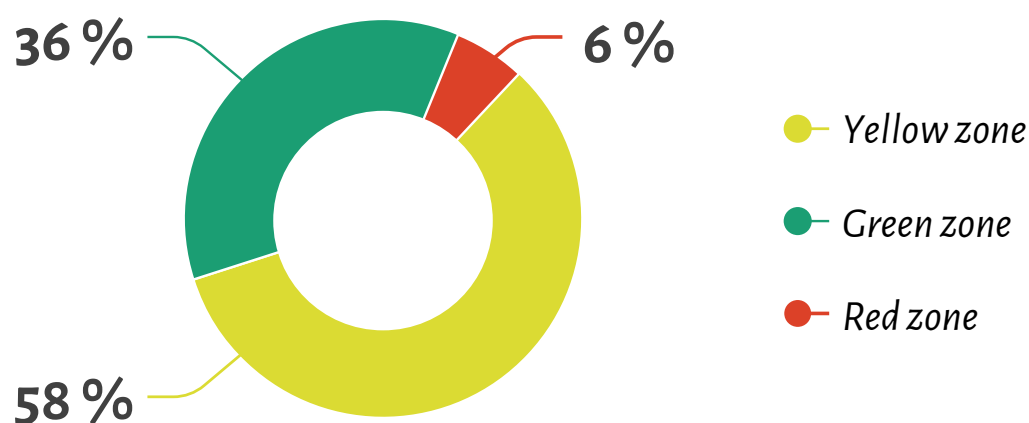
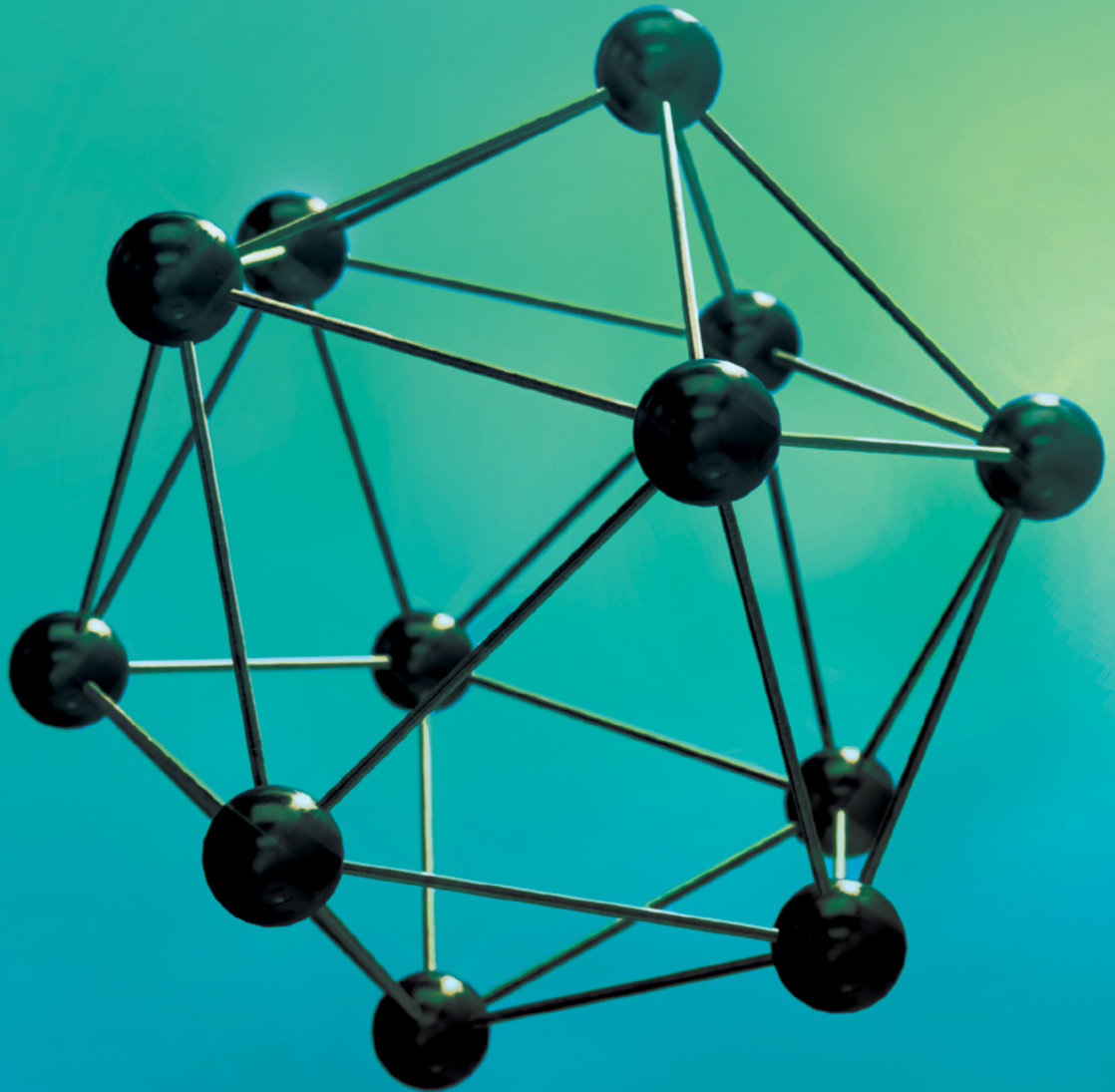


Fig. 1.3 — Classification of risks according to the degree of their impact on the NRFU activities

REPORT
2024



SECTION 2

GRANT SUPPORT OF RESEARCH AND DEVELOPMENTS

2.1. *Organisation and conduct of calls for proposals*

The main task of the NRFU is grant support for basic research in the field of Natural, Technical, Social Sciences and Humanities, as well as applied research and scientific and technical (experimental) developments in the priority areas of the development of science and technology, including providing technical and organizational support for conducting and organizing calls for proposals by the Foundation, control over the implementation of projects.

Organizational and technical support is provided by three departments of the Grant Support Division: Grant Support Department in the Field of Technical and Natural Sciences, Mathematics, and IT; Grant Support Department in the Field of Biology, Healthcare and Bioresources; Grant Support Department in the Field of Social Sciences and Humanities; Department of Monitoring of Grant Projects Implementation and Department of Grant Projects Financing which perform its functions in close cooperation with the Grant Support Division.

In the reporting year, competitive procedures for three calls for proposals launched at the end of 2023 were completed.

Call «Science for Strengthening the Defense Capability of Ukraine»

A total of 165 potential grantees took part in the Call (125 in Technical Sciences, 30 in Biological Sciences, and 10 in Social Sciences and Humanities), and 108 applications for grant support were submitted for expert review.

19 meetings of the Call Commission and 13 panel meetings were organised, and the relevant protocols were drawn up, including:

- panel of Technical, Mathematical and Natural Sciences – 7 meetings;
- Panel of Biology, Medicine and Agricultural Sciences – 5 meetings;
- Panel of Social Sciences and Humanities – 1 meeting.

Organisation and control of sending letters to the Call winners – 81 letters sent.

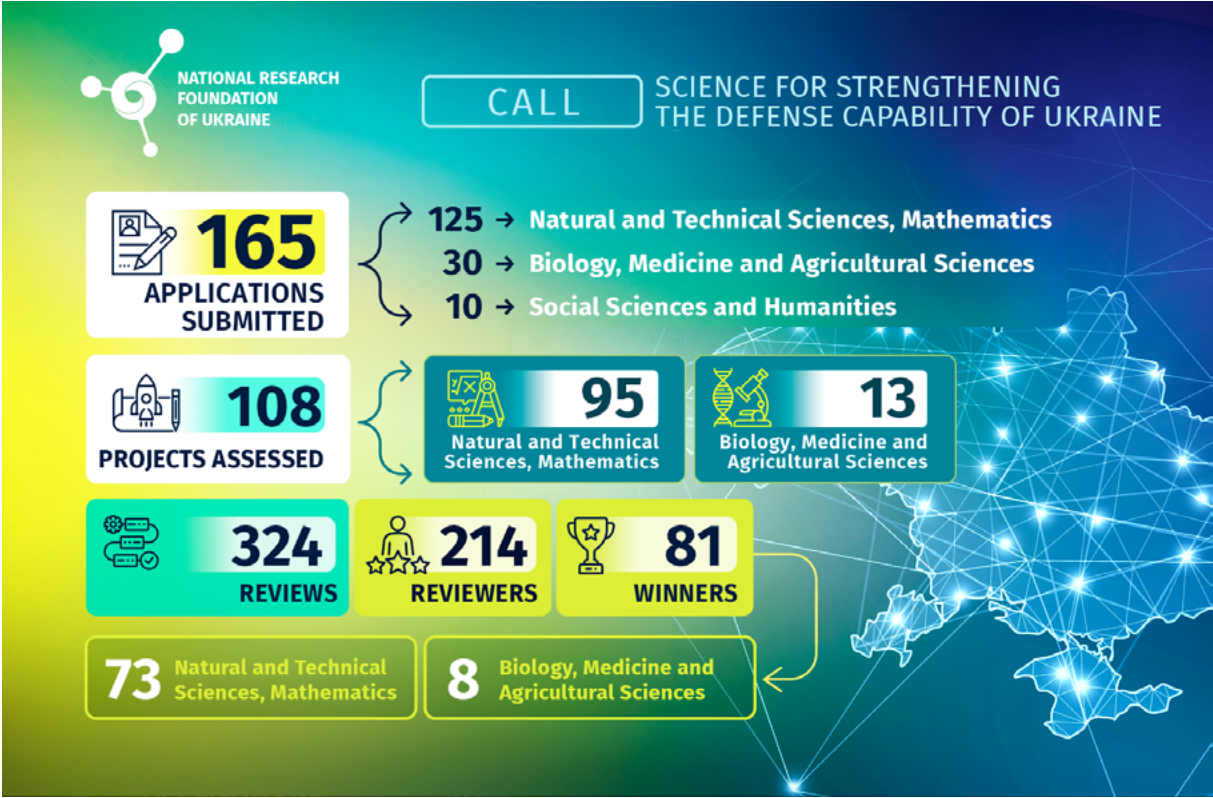


Fig. 2.1 — Results of the competitive selection under the Call «Science for Strengthening the Defense Capability of Ukraine»



Fig. 2.2 — Distribution of winning projects by institutions under the Call «Science for Strengthening the Defense Capability of Ukraine»

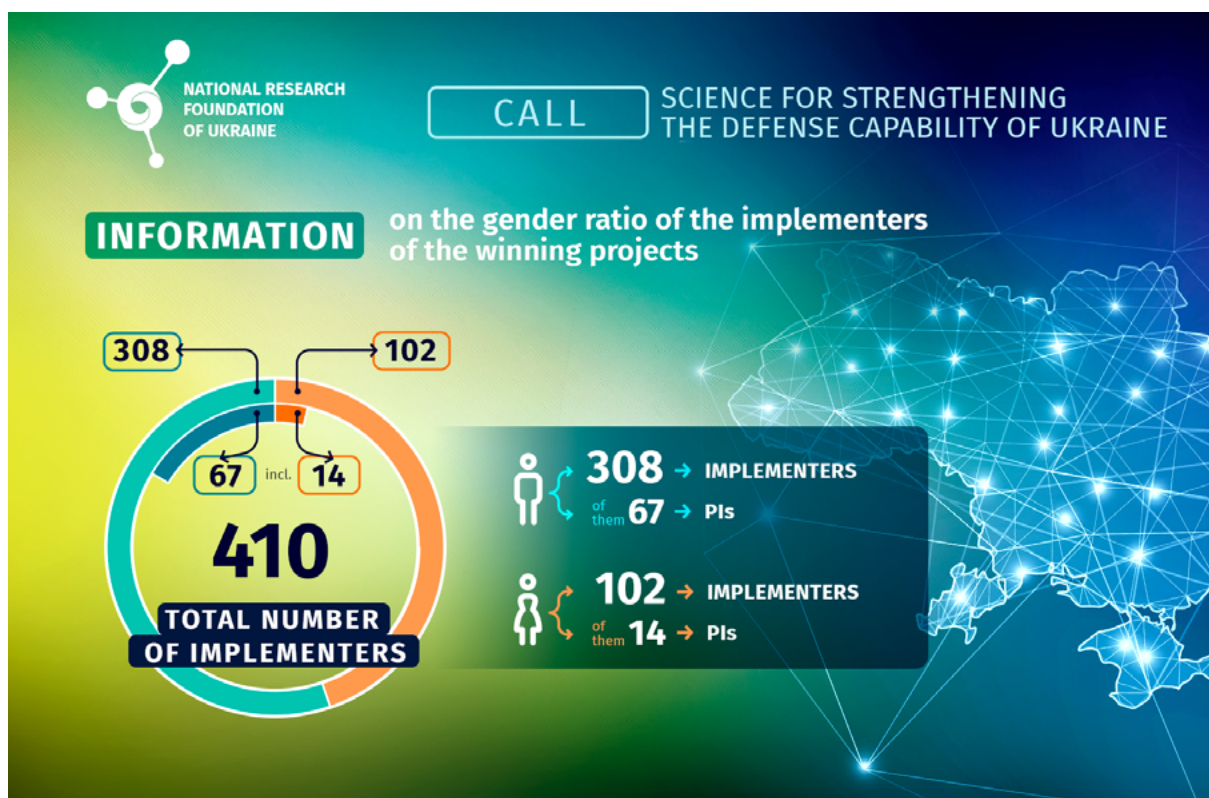


Fig. 2.3 — Gender ratio of implementers in the winning projects by institutions under the Call «Research for Strengthening the Defense Capability of Ukraine»



Fig. 2.4 — Territorial representation of the winning projects by institutions under the Call «Science for Strengthening the Defense Capability of Ukraine»

Call «Excellent Science in Ukraine»

A total of 256 potential grantees took part in the Call (158 in Technical Sciences, 54 in Biological Sciences, and 44 in Social Sciences and Humanities), and 188 applications for grant support were submitted for review.

20 meetings of the Call Commission and 20 panel meetings were organised, and the relevant protocols were drawn up, including:

- Panel of Technical, Mathematical and Natural Sciences – 8 meetings;
- Panel of Biology, Medicine and Agricultural Sciences – 6 meetings;
- Panel of Social Sciences and Humanities – 6 meeting.

Organisation and control of sending letters to the Call winners – 62 letters sent.



Fig. 2.5— Results of the competitive selection under the Call «Excellent Science in Ukraine»



DISTRIBUTION OF WINNING PROJECTS BY INSTITUTIONS



12 institutions (**23** projects)

Institutions of Higher Education



26 institutions (**38** projects)

National Academy of Sciences of Ukraine



1 institution (**1** project)

National Academy of Medical Sciences of Ukraine

Fig. 2.6 — Distribution of winning projects by institutions under the Call «Excellent Science in Ukraine»

INFORMATION

on the gender ratio of the implementers
of the winning projects



248 → IMPLEMENTERS
of them **45** → PIs



132 → IMPLEMENTERS
of them **17** → PIs

Fig. 2.7 — Gender ratio of implementers in the winning projects by institutions under the Call «Excellent Science in Ukraine»



Fig. 2.8 — Territorial representation of the winning projects by institutions under the Call «Excellent Science in Ukraine»

Call «Infrastructures for advanced research»

A total of 28 potential grantees took part in the Call (18 in Technical Sciences, 6 in Biological Sciences, and 4 in Social Sciences and Humanities), and 14 applications for grant support were submitted for review.

Organisational and technical support was provided for **13 meetings of the Call Commission** and **11 panel meetings were organised**, including:

- Panel of Technical, Mathematical and Natural Sciences – 4 meetings;
- Panel of Biology, Medicine and Agricultural Sciences – 5 meetings;
- Panel of Social Sciences and Humanities – 2 meeting.

Organisation and control of sending letters to the Call winners – 10 letters sent.

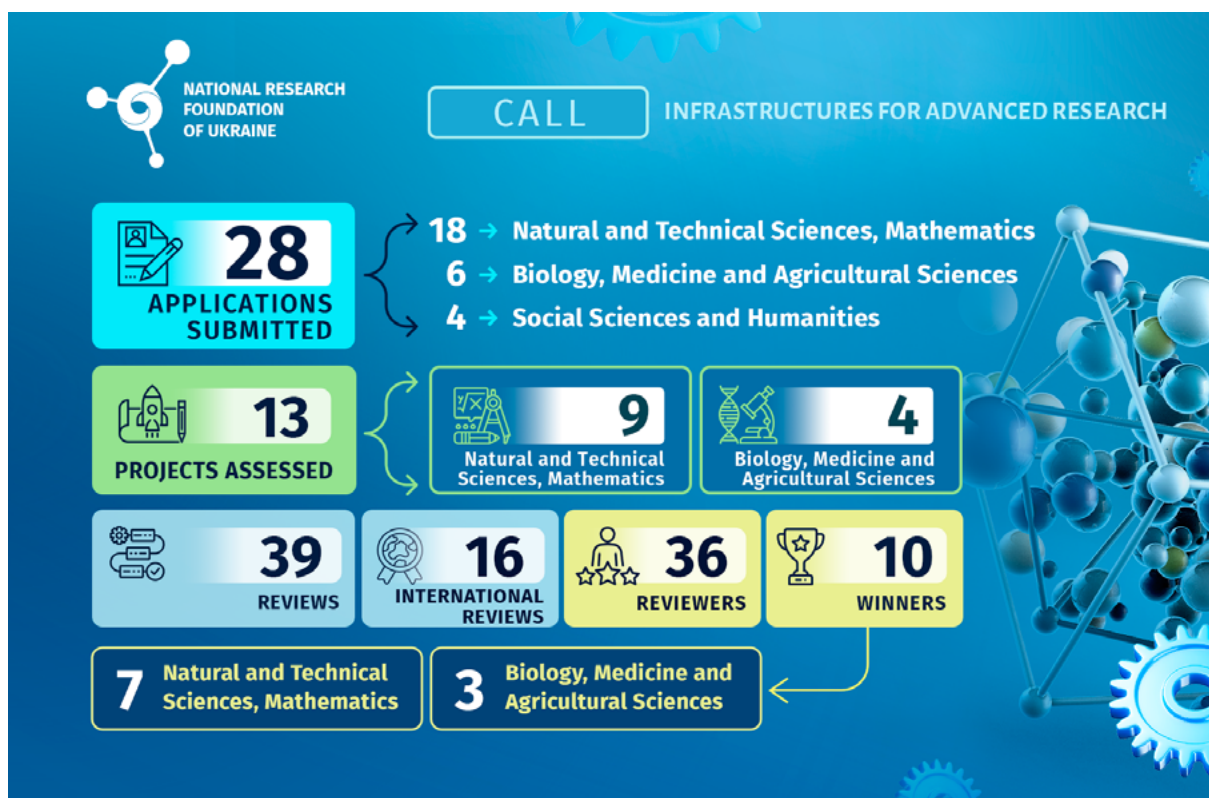


Fig. 2.9 — Results of the competitive selection under the Call «Infrastructures for advanced research»



Fig. 2.10 — Territorial representation of the winning projects by institutions under the Call «Infrastructures for advanced research»

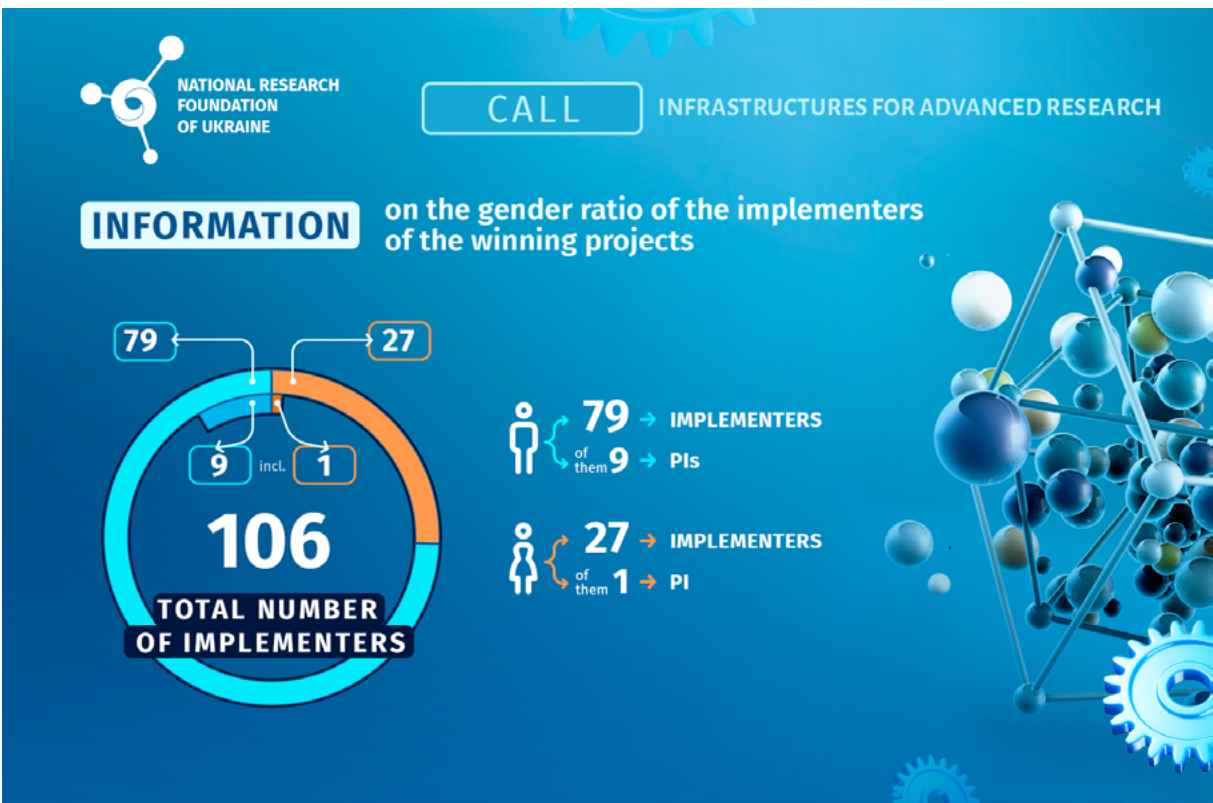


Fig. 2.11 — Gender ratio of implementers in the winning projects by institutions under the Call «Infrastructures for advanced research»



Fig. 2.12 — Foreign reviewers involved in the assessment of applications for grant support under the Call «Infrastructures for advanced research»

2.2. Expert procedures and information and technical support

During the reporting period, competitive selection was carried out in accordance with the Procedure for competitive selection and financing of research and developments projects by the National Research Foundation of Ukraine, approved by the Decree of the Cabinet of Ministers of Ukraine No. 1170 of December 27, 2019 (as amended).

Scientific and methodological support in the organization and conduct of calls for research and developments at the expense of the NRFU, was provided by the work of collegial bodies (Fig. 2.13):

- Scientific Council of the NRFU (45 meetings held);
- Section of the Scientific Council of the NRFU on Natural and Technical Sciences and Mathematics (12 meetings held);
- Section of the Scientific Council of the NRFU on Biology, Medicine and Agricultural Sciences (12 meetings held);
- Section of the Scientific Council of the NRFU on Social Sciences and Humanities (11 meetings held).

Technical and organizational support of applications submitted to the Call «Science for Strengthening the Defense Capability of Ukraine»

In the course of work with reviewers during their research and scientific-technical review, referents (designated by employees of the Directorate) processed 108 grant applications sent for review, including: in the Grant Support Department in the Field of Technical and Natural Sciences, Mathematics, and IT – 46; in the Grant Support Department in the Field of Biology, Healthcare and Bioresources – 31; in the Grant Support Department in the Field of Social Sciences and Humanities – 31.

214 Ukrainian reviewers were appointed under the Call.

324 reviewers' conclusions received.

Number of applications with 3 assessments – 108.

Preliminary review of applications for compliance with formal requirements was performed – 165 applications processed. Organization and control of mailing to the Call participants with the reasons for rejections on formal grounds – 54 letters sent.

Organization and control of technical and organizational support of applications in terms of appointing reviewers to conduct a review of 108 applications.

Organization and control of mailing to the Call winners – 81 letters.

Technical and organizational support of applications submitted to the Call «Excellent Science in Ukraine»

In the course of work with reviewers during their research and scientific-technical review, referents processed 188 grant applications sent for review, including: in the Grant Support Department in the Field of Technical and Natural Sciences, Mathematics, and IT – 80; in the Grant Support Department in the Field of Biology, Healthcare and Bioresources – 54; in the Grant Support Department in the Field of Social Sciences and Humanities – 54.

399 reviewers were appointed under the Call, including:

336 Ukrainian reviewers, 63 foreign reviewers.

564 reviewers' conclusions received, including:

- 481 conclusions from Ukrainian reviewers;
- 83 conclusions from foreign reviewers.

Number of applications with 3 assessments – 188.

Organization and control of technical and organizational support of applications in terms of appointing reviewers to conduct a review of 188 applications.

Organization and control of mailing to the Call winners – 62 letters.

Technical and organizational support of applications submitted to the Call «Infrastructures for advanced research»

In the course of work with reviewers during their research and scientific-technical review, referents processed 14 grant applications sent for review, including: in the Grant Support Department in the Field of Technical and Natural Sciences, Mathematics, and IT – 6; in the Grant Support Department in the Field of Biology, Healthcare and Bioresources – 4; in the Grant Support Department in the Field of Social Sciences and Humanities – 4.

39 reviewers were appointed under the Call, including: 23 Ukrainian reviewers, 16 foreign reviewers.

39 reviewers' conclusions received, including:

- 25 conclusions from Ukrainian reviewers;
- 14 conclusions from foreign reviewers.

Number of applications with 3 assessments – 13.

Organisation and control of filling in the QA table and sending answers to the Call – 48 answers were sent.

Organisation and control of entering information on the rejection of grant applications submitted by the participants of the Call to the Automated System «The NRFU Call for Projects» – information on 14 applications was submitted.

Organization and control of mailing to the participants of the Call «Infrastructures for advanced research» with the reasons for rejections on formal grounds – 14 letters sent.

Organization and control of mailing to the Call winners – 10 letters.

Technical and organizational support of applications submitted to the Call «Ukrainian-Swiss Joint Research Projects: Call for Proposals 2023», preliminary review of applications on formal requirements

Preliminary review of applications for compliance with formal requirements was performed – 124 applications processed.

Organisation and control of the preparation of the list of rejected applications in English under the Call «Ukrainian-Swiss Joint Research Projects: Call for Proposals 2023» – 48 applications.

Organisation and control of entering information on the rejection of grant applications submitted by the participants of the Call to the Automated System «The NRFU Call for Projects» – 48 applications.

9 panel meetings organized, including:

- panel of Technical, Mathematical and Natural Sciences – 2 meetings;
- panel of Biology, Medicine and Agricultural Sciences – 3 meetings;
- panel of Social Sciences and Humanities – 4 meetings.

Organisation and mailing to participants of the Call «Ukrainian-Swiss Joint Research Projects: Call for Proposals 2023» regarding the results of the competitive selection – 74 letters sent.

SCIENTIFIC AND METHODOLOGICAL SUPPORT IN THE ORGANIZATION AND CONDUCT OF CALLS FOR RESEARCH AND DEVELOPMENTS AT THE EXPENSE OF THE NRFU

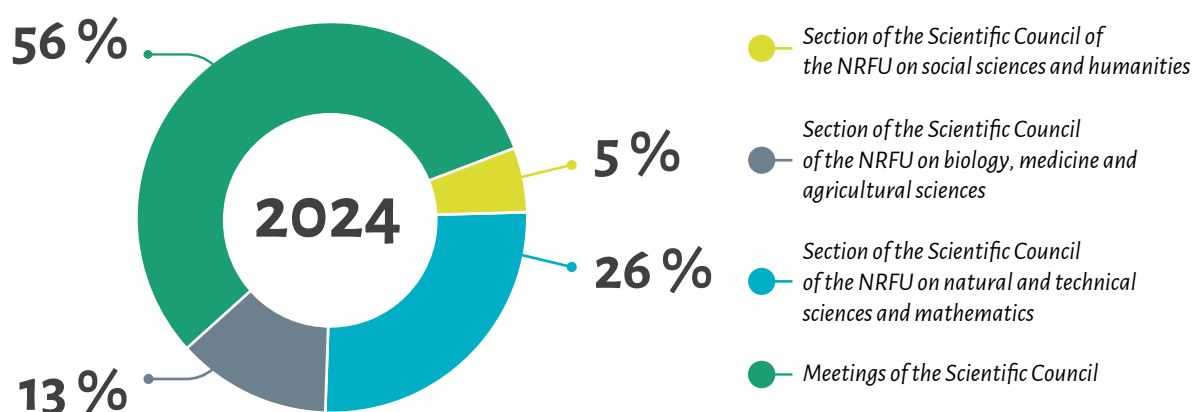


Fig. 2.13 — Scientific and methodological support in the organization and conduct of calls for research and developments at the expense of the NRFU in 2024

2.3. Financing of research and developments

Based on the decisions of the Scientific Council of the Foundation in 2024, agreements for research and developments were concluded at the expense of grant support from the general fund with 274 grantees and with 12 grantees from the special fund of the state budget based on the results of NRFU calls (Fig. 2.14):

- **«Science for Safety and Sustainable Development of Ukraine»** – **554 projects** for a total of **UAH 149 937,600**;
- **«Support for Research of Leading and Young Scientists»** – **22 projects** for a total of **UAH 3 634,600**;
- **«Science for the Recovery of Ukraine in the War and Post-War Periods»** – **66 projects** for a total amount of **UAH 159 870,300**;
- **«Infrastructures for advanced research»** – **10 projects** for a total amount of **UAH 49 162,200**;
- **«Science for Strengthening the Defense Capability of Ukraine»** – **80 projects** for a total amount of **UAH 94 492,000**;
- **«Excellent Science in Ukraine»** – **62 projects** for a total amount of **UAH 102 595,800**;
- **«Cambridge – NRFU 2022. Individual grants for research (developments) for Ukrainian researchers (with the support of University of Cambridge, UK)»** – **12 projects** for a total amount of **UAH 4 857,300**.



Fig. 2.14 — Number of agreement for research and developments with call winners in 2024

In accordance with the order of the Cabinet of Ministers of Ukraine dated April 23, 2024 No. 348 “On conducting reviews of state budget expenditures in certain areas in 2024”, the Foundation was involved in conducting a review of state budget expenditures for research in terms of grant support for research and scientific and technical (experimental) developments (hereinafter referred to as research and developments).



Purpose of the expenditures review – increasing the efficiency of the Foundation's budget management, including the budget for grant support for research and scientific and technical (experimental) developments.

Purpose of the review – discussion, analysis and identification of ways to increase the efficiency of the use of budget funds to address such key issues as the development of the regulatory and legal framework for grant support by the Foundation, assessment of potential risks and threats that may affect the efficiency of the use of budget funds, optimization and improvement of the internal operational work of the Directorate of the Foundation, identification of promising areas for improving the Foundation's system of planning state budget expenditures for grant support for research and development, consideration of options for attracting extrabudgetary funds.

Based on the results of the review of state budget expenditures in terms of grant support for research and scientific and technical (experimental) developments for the period 2021-2023, proposals have been formulated, in particular, regarding comprehensive amendments to the relevant regulatory legal acts and other acts that regulate the processes of organizing and conducting calls by the Foundation for grant support.

The Scientific Council of the Foundation approved the Action Plan for the implementation of the decision of the Cabinet of Ministers of Ukraine ‘On the results of consideration of the Report on the review of state budget expenditures in the field of science in terms of grant support for research and scientific and technical (experimental) developments for the period 2021-2023’, formed in pursuance of the recommendations of the Ministry of Finance of Ukraine on the results of the review of state budget expenditures in the field of science in terms of grant support for research and scientific and technical (experimental) developments by the National Research Foundation of Ukraine for the period 2021-2023 (Protocol No. 2 of 16.01.2025).

2.4. Control over the implementation of grant projects

During the reporting period, in order to comply with budget discipline, other requirements of budget legislation, with the terms and conditions of calls for proposals and decisions of the Scientific Council of the NRFU, ensured prompt processing of requests and appeals from the participants of the calls «Science for Strengthening the Defense Capability of Ukraine», «Infrastructures for advanced research», «Excellent Science in Ukraine» launched in 2023.

The vast majority of applications were checked for compliance with the financial component for the purchase of equipment and materials in accordance with the terms and conditions of the launched calls for proposals.

The process of checking the applications from the calls’ participants involved checking and comparing the prices of the equipment and materials, specified in the grant application, with current prices from open sources, assessment of the justification of the price proposed by the participant

in accordance with the grant application; verification of the reliability of the sources of information referred to by the calls participants; verification of compliance with the terms and conditions of the calls of proposals regarding changes in the composition of projects implementers..

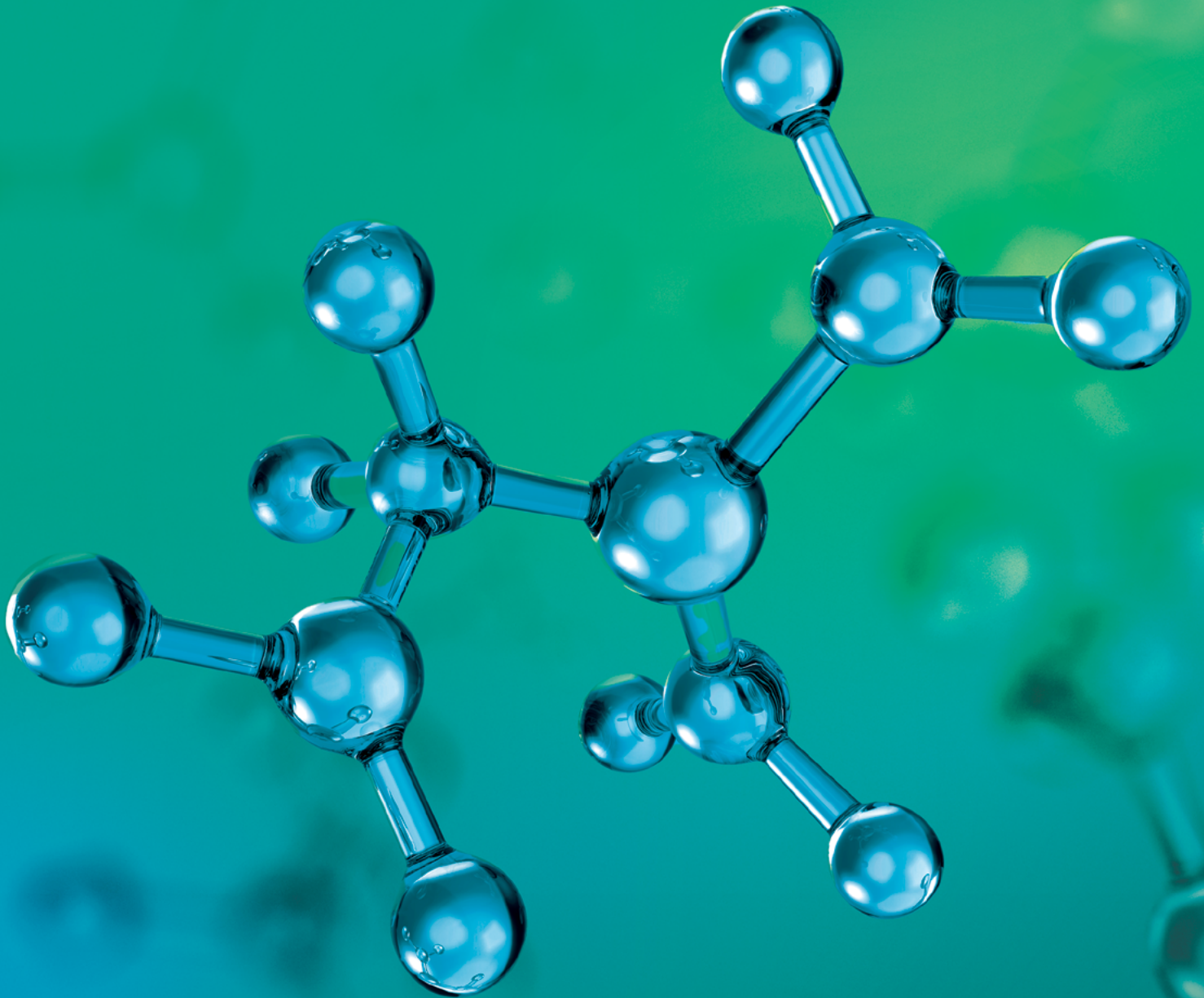
In total, respective conclusions and recommendations were received, processed, and provided for 93 applications, ensuring prompt support to participants and contributed to the transparency of the competition procedures..

The vast majority of grant recipients' requests involved changes to the composition of project implementers, names of equipment and materials, project cost estimate, and reallocation of funds among expenditive items.

During April-October, in accordance with Part 8, Clause 7 of the Regulations on the National Research Foundation of Ukraine, approved by the Resolution of the Cabinet of Ministers of Ukraine No. 528 dated July 4, 2018, guided by parts 1 and 2 of Section 2 of the Regulations on the Department of Monitoring of Grant Projects Implementation, approved by the Order of the National Research Foundation of Ukraine No. 66 dated December 18, 2020, in order to verify the fulfillment by grantees of the terms and conditions of agreements on grant support, in particular, in terms of compliance with budget discipline and rational and effective use of grant funds, the following letters were prepared and sent to the grantees' addresses:

- **monitoring letter** No. 3-8/274 dated 17.04.2024 **«On the status of project implementation»** under agreements on grant support in 2024 under the calls for proposals: «Science for Safety and Sustainable Development of Ukraine», «Science for the Recovery of Ukraine in the War and Post-War Periods» and «Support for Research of Leading and Young Scientists», which totals 122 projects;
- **repeated monitoring letter** No. 3-8/616 dated 26.08.2024 **«On the status of project implementation»** under agreements on grant support in 2024 under the calls for proposals: «Science for Safety and Sustainable Development of Ukraine», «Science for the Recovery of Ukraine in the War and Post-War Periods» and «Support for Research of Leading and Young Scientists», which totals 122 projects;
- **monitoring letter** No. 3-8/714 dated 07.10.2024 **«On the status of project implementation»** under agreements on grant support in 2024 under the calls for proposals: «Science for Strengthening the Defense Capability of Ukraine», «Excellent Science in Ukraine» and «Infrastructures for advanced research», which totals 152 projects.

Collected information on the status of projects implementation under grant support agreements in 2024 under the calls: «Science for the Safety and Sustainable Development of Ukraine», «Science for the Recovery of Ukraine in the War and Post-War Periods», «Support for Research of Leading and Young Scientists», «Science for Strengthening the Defense Capability of Ukraine», «Excellent Science in Ukraine» and «Infrastructures for advanced research» are processed and systematized in the respective analytical tables separately for each call for proposals. This contributed to the improvement of procedures and approaches to organizing the process of preparing and concluding grant support agreements with calls winners.



SECTION 3

CALLS AND INITIATIVES WITH THE SUPPORT OF INTERNATIONAL PARTNERS

One of the main achievements of the reporting year is a successful accomplishment of the Call «Ukrainian-Swiss Joint Research Projects: Call for Proposals 2023».

The call for proposals was aimed at providing an opportunity for researchers who are currently working in Ukraine to perform ambitious research together with researchers in Switzerland. The Call was thematically open to fundamental research. Interdisciplinary collaborative projects were also welcomed.

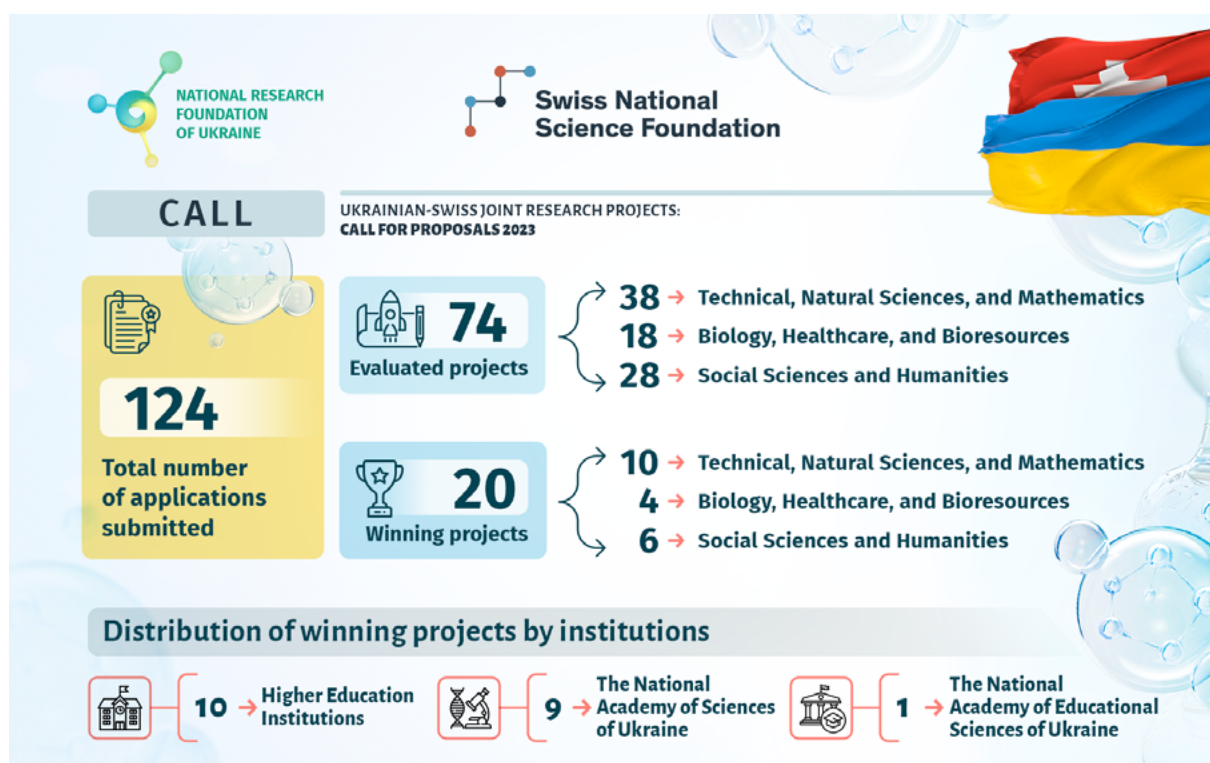


Fig. 3.1 — Results of the joint competitive selection under the Call «Ukrainian-Swiss Joint Research Projects: Call for Proposals 2023».



Fig. 3.2 — Foreign reviewers involved in the assessment of applications for grant support under the Call «Ukrainian-Swiss Joint Research Projects: Call for Proposals 2023».



Fig. 3.3 — Territorial representation of the winning projects by institutions under the Call «Ukrainian-Swiss Joint Research Projects: Call for Proposals 2023».

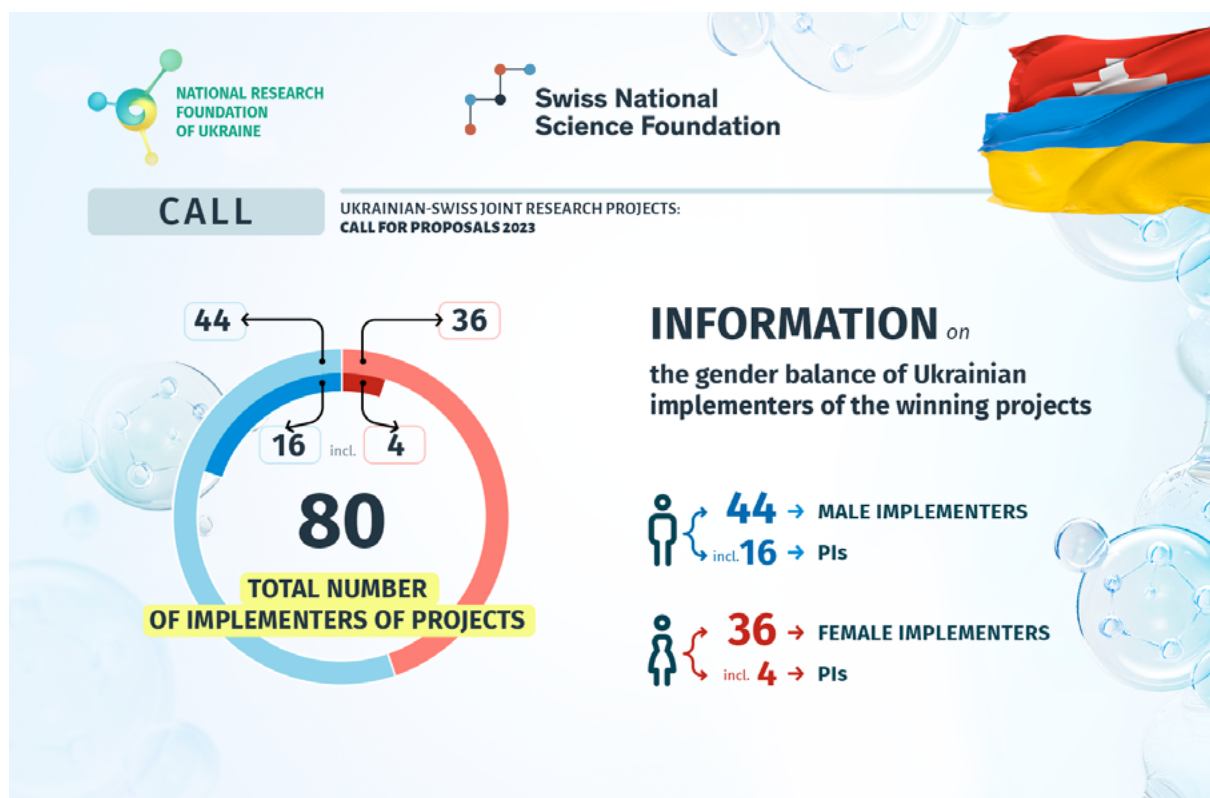


Fig. 3.4 — Gender ratio under the Call «Ukrainian-Swiss Joint Research Projects: Call for Proposals 2023».

In the course of the Call, the NRFU and the Swiss National Science Foundation (SNSF) have received applications for research on the most urgent issues of development of scientific and technical, socio-economic, socio-political, and human potential to ensure Ukraine's competitiveness in the world and the sustainable development of society and the state (Fig. 3.1).

124 joint project groups participated in the Call, of which 74 projects were recommended for further consideration by the joint Call Commission (research and scientific and technical review), **according to the results of which 20 winners were determined.** Among them:

- **10 projects in the field of Technical and Natural Sciences, and Mathematics;**
- **4 projects in the field of Biology, Healthcare and Agricultural Sciences; and**
- **6 projects in the field of Social Sciences and Humanities.**

At the start of the call, the budget provided funding for about 10 JRPs. Later, the number increased to 15. After reviewing the projects, Swiss National Science Foundation increased the budget again: it was decided to fund the work of **20 research groups**, which would include **80 Ukrainian researchers.**

The work of both Ukrainian and Swiss groups will be funded by the Swiss National Science Foundation (SNSF). The total budget of the call is 7.6 million Swiss francs, 2.7 million of which will be allocated to finance the work of Ukrainian researchers.

External reviewers were appointed jointly by the SNSF and the NRFU Call Commission. The reviewers assessed the scientific quality of JRPs. At least three reviews were obtained per proposal. Each reviewer assessed only one application.

The 2024 summary proved the success of the Call which contributed not only to the development of Ukrainian research but also to the strengthening of long-term international partnerships. The Call has become an important step into a further sustainable cooperation for both research institutions of Ukraine and Switzerland.

In March 2024 the results of the initiative «NWO Hop-On Call for Researchers Based in Ukraine: NWO-NRFU Partnership Initiative 2023» were announced.

As a result of the competitive selection, 13 Ukrainian researchers became winners. They joined on-going projects and are achieving ambitious research goals in partnership with colleagues from the Netherlands. The Dutch Research Council (NWO) is funding their joint work for a total of about **250,000 euros**. We are confident that these projects will help make a significant contribution to the development of Ukrainian-Dutch research cooperation and will contribute to the development of the national research area and its integration into the European and global research area.



Fig. 3.5 — Results of the competitive selection under the partnership initiative NWO-NRFU: distribution of the winning projects by institutions



Fig. 3.6 — Territorial representation under the partnership initiative NWO-NRFU

During 2024, the National Research Foundation of Ukraine worked on applications submitted for participation in the multilateral partnership initiative “International Multilateral Partnership for Resilient Education and Science System in Ukraine (IMPRESS-U)” launched in 2023 by the Office of International Science and Engineering (OISE) of the National Science Foundation (NSF), USA, in partnership with:

- Estonian Research Council (ETAG), Estonia;
- Latvian Council of Science (LCS), Latvia;
- Research Council of Lithuania (LMT), Lithuania;
- National Science Centre (NCN), Poland;
- Polish National Agency for Academic Exchange (NAWA), Poland;
- National Research Foundation of Ukraine (NRFU), Ukraine;
- National Academy of Sciences (NAS), USA;
- Office of Naval Research Global (ONRG), USA.

Y In 2024, the NRFU continued its close cooperation with NAS to ensure proper funding and participation of Ukrainian researchers in joint projects. As of December 2024, 26 projects have been recommended for funding and will receive support from international donors and partners. The total amount of funding under this initiative was **USD 13,329.0 thousand** which emphasizes the scale and importance of the program for the recovery of the Ukrainian research community.

A significant portion of the funding – **USD 2,508.9 thousand** – is directed directly to support Ukrainian research groups. These funds will be used to implement the progressive, ambitious, high-quality collaborative research projects aimed at solving research issues in any field of science, engineering or education.



Fig. 3.7— Preliminary results of the competitive selection under the multilateral partnership initiative IMPRESS-U



SECTION 4

LEGAL SUPPORT OF THE FOUNDATION'S ACTIVITIES

During 2024, the Executive Directorate of the National Research Foundation of Ukraine, as one of its management bodies, within the framework of implementing legal support for the main activities of the Foundation, carried out active work towards improving legislative and regulatory support for the Foundation's activities and further improvement of regulatory legal acts that regulate the procedures for the activities of the National Research Foundation of Ukraine.

In particular, during the reporting period, in various working and procedural formats, the Foundation took part in the development of draft regulatory legal acts, amendments to regulatory legal acts to ensure the activities of the Foundation, namely, systemic proposals were prepared for:

- draft Law of Ukraine "On Amendments to the Law of Ukraine "On Scientific and Scientific-Technical Activities" regarding Research Infrastructure and Support for Young Scientists";
- drafts of the Procedure for preparation and submission of documents, competitive selection by the National Research Foundation of Ukraine of research projects for the Verkhovna Rada of Ukraine Prize for Young Scientists and a new edition of the Regulations on the Verkhovna Rada of Ukraine Prize for Young Scientists which were approved by the respective Decree of the Verkhovna Rada of Ukraine;
- draft Law of Ukraine "On Amendments to Certain Legislative Acts in Connection with the Adoption of the Law of Ukraine "On Administrative Procedure";
- draft Law of Ukraine "On Amendments to the Law of Ukraine "On Scientific and Scientific-Technical activities" to ensure the continuity of the institutional activities of the NRFU;
- draft Law of Ukraine "On Amendments to Certain Laws of Ukraine Regarding the Update of the System of Priority Areas of Scientific, Scientific and Technical and Innovation Activities";
- draft law of Ukraine "On the State budget for 2025".

In connection with the Decree of the President of Ukraine No. 324/2024 of May 14, 2024 "On amendments to certain decrees of the President of Ukraine on Annual Grants of the President of Ukraine to Young Scientists and Doctors of Sciences" the Foundation prepared and submitted proposals to the

Ministry of Education and Science of Ukraine, as the entity legally authorized to initiate legislation, regarding draft amendments and additions to regulatory legal acts to ensure the implementation of the provisions of the aforementioned Presidential Decree.

In connection with the adoption of the Decree of the Verkhovna Rada of Ukraine No. 3795-IX of June 6, 2024 “On Amendments to the Decree of the Verkhovna Rada of Ukraine “On the Verkhovna Rada of Ukraine Prize for Young Scientists” regarding the procedure for awarding the Prize”, as well as the publication by the President of Ukraine of the Decree No. 324/2024 of May 14, 2024 “On Amendments to Certain Decrees of the President of Ukraine on Annual Grants of the President of Ukraine to Young Scientists and Doctors of Sciences” the Foundation took an active part in the activities of the working group formed at the initiative of the Scientific Council of the NRFU with amendments to the regulations of the Foundation and respective regulatory legal acts.

During the reporting period, the structural unit of the Foundation responsible for providing legal support for the activities of the National Research Foundation of Ukraine processed and provided answers to:

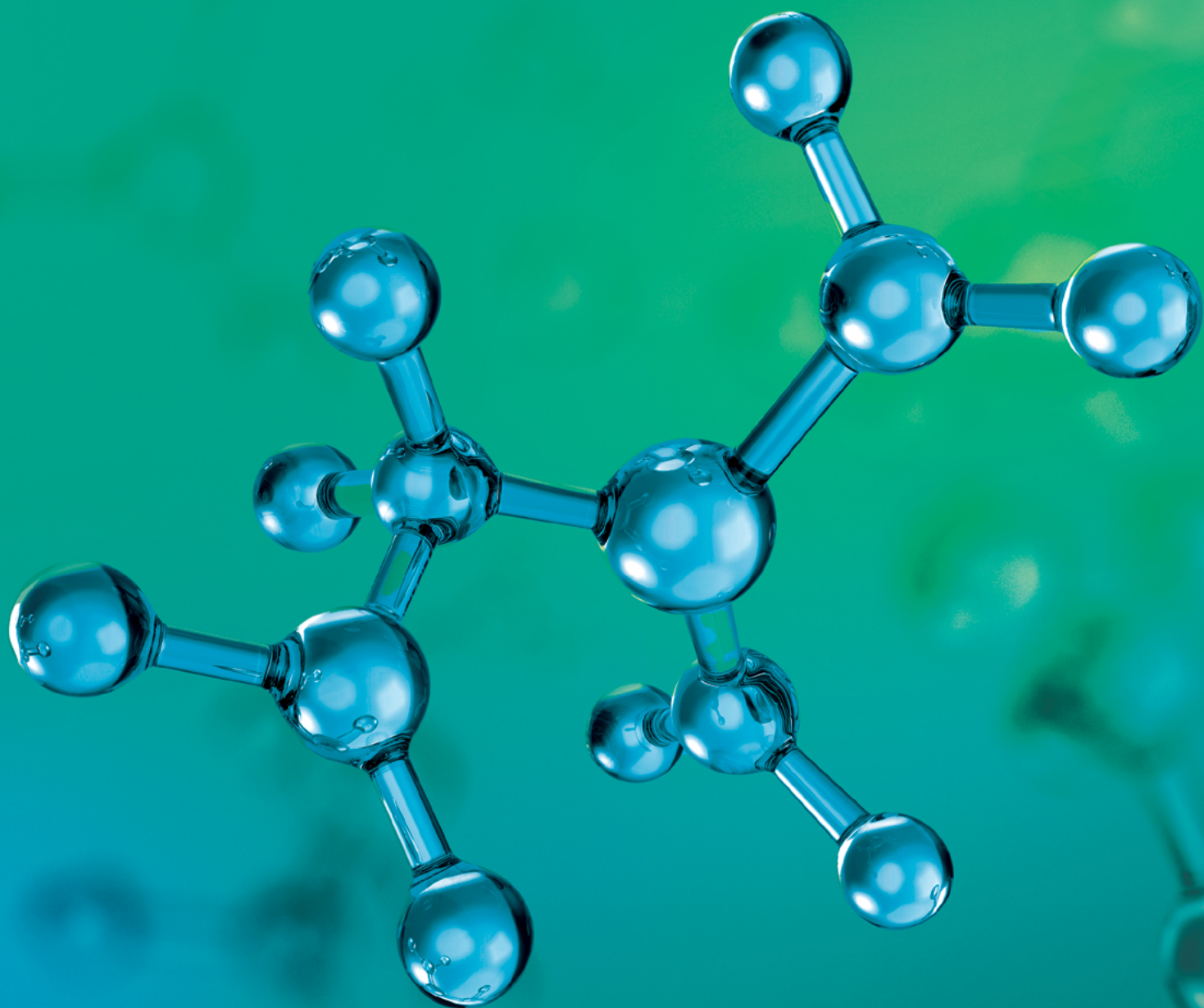
- **47 letters** of central executive authorities and their territorial bodies;
- **15 letters and requests** from law enforcement bodies;
- **56 letters** from enterprises, institutions and organizations of various forms of ownership;
- **22 letters and requests** from individuals or their representatives (attorney requests);
- **10 requests** from the State Audit Service of Ukraine for providing information addressed to the Foundation within the framework of state financial control measures;
- **5 letters** from the State Audit Service of Ukraine addressed to the Foundation.
- Also, during the reporting period, as part of the legal and analytical support for the Foundation's activities, the Executive Directorate prepared and ensured the approval of **7 regulatory acts** in accordance with the established procedure that standardized or improved the procedures for certain organizational and management processes within the Foundation.

During the state financial audit by the State Audit Service of Ukraine of the implementation of the budget program of the National Research Foundation of Ukraine for the period from 01.01.2020 to 30.06.2023, the structural unit of the Foundation responsible for the legal support of its activities provided legal, organizational and analytical support and control over the compliance by the State Audit Service of Ukraine, as a public authority, with the procedure established by law for conducting such a state financial control measure.

During the audit in the reporting year by the State Audit Service of Ukraine of certain issues of financial and economic activities in the Foundation for the period from 01.01.2020 to 30.06.2023, the structural unit of the Foundation responsible for the legal support of its activities provided legal, organizational and analytical support and control over compliance with the procedure established by law for the State Audit Service to conduct inspections in budgetary institutions, and also processed the Audit Report drawn up by the state financial control body, and provided substantiated proposals for objections to the audit results set out by the State Audit Service of Ukraine in the drawn up act and the conclusions made by it in the act.

Based on the results of the state financial control measures carried out in the Foundation during the reporting period, compliance with the procedure for signing the Audit Report and agreeing with the State Audit Service of Ukraine based on the results of the state financial audit of the implementation of the Foundation's budget program for the period from 01.01.2020 to 30.06.2023 was ensured, as well as with the established the procedure for signing the Act of Audit of certain issues of financial and economic activities of the National Re-

During the reporting period, the National Research Foundation of Ukraine, by means of the structural unit responsible for legal support of the Foundation's activities, the organization of legal work and representation of the interests of the NRFU in the judiciary and other state bodies was secured in order to protect the violated rights and interests of the Foundation in two court cases, considered by general civil courts in disputes on claims arising from labor relations, as well as three court cases considered by administrative courts of first instance and appellate courts on the Foundation's claims for recognition of actions or inactions of the State Audit Service of Ukraine as a public authority as illegal. In addition, in the reporting period, the Foundation's rights and interests were also separately protected in a court case considered by the administrative court of first instance on a claim of a citizen to the National Research Foundation of Ukraine.



SECTION 5

INTERNATIONAL COOPERATION

In the context of the ongoing full-scale war, international cooperation plays a key role in the development of research activities and strengthening Ukraine's position in the global research arena. For the National Research Foundation of Ukraine, 2024 was a period of active expansion of partnership relations with foreign research foundations, societies, institutions and organizations. Despite the difficult circumstances caused by the war, the Foundation continues to work towards strengthening international cooperation, receiving important support from international colleagues.

One of the important areas of international cooperation during the reporting year was the strengthening of the Foundation's cooperation with German partners.



On 16 July 2024, representatives of the German Federal Ministry of Education and Research (Bundesministerium für Bildung und Forschung, BMBF) held a special online event for the institutional support of the National Research Foundation of Ukraine (NRFU).

The event was attended by representatives of the Directorate of the NRFU, as well as members of the NRFU's Scientific Council and Supervisory Board. Representatives of the BMBF's departments for coordination of innovation and transfer policy, future research and innovation strategy; political

issues, digitalisation and data transfer; coordination of basic education and research, as well as specialists from the DLR Project Management Agency of the German Aerospace Centre (DLR Projektträger) were among the speakers. Representatives of the German Research Foundation (Deutsche Forschungsgemeinschaft, DFG) also joined the event.



Bundesministerium
für Bildung
und Forschung



Deutsches Zentrum
für Luft- und Raumfahrt
German Aerospace Center



Deutsche
Forschungsgemeinschaft

The event was organised to provide an overview of the German research and development funding system, as well as to share experiences and best practices in grant funding for research projects.

Within the framework of enhancing cooperation between institutions, on October 21-25, 2024, representatives of the National Research Foundation of Ukraine (NRFU) had an opportunity to visit the German Research Foundation (Deutsche Forschungsgemeinschaft, DFG) in Bonn, Germany. This event became an important step in strengthening bilateral relations between the NRFU and DFG, as well as in developing cooperation between research funding institutions of both countries.

The key purpose of the visit was to discuss areas for further cooperation and exchange of experience in the field of grant funding for research projects. The German Research Foundation organized a series of introductory meetings aimed at revealing the specifics of its activities and sharing best practices with Ukrainian colleagues.

Over the course of five days, the NRFU delegation and the DFG representatives discussed a number of key topics that became the basis for further cooperation:

- enhancing the institutional capacity of the NRFU;
- strengthening cooperation at the institutional level;
- exchange of experience in the field of grant funding;
- strategies for supporting early career researchers, etc.

One of the most important parts of the working visit was the discussion of **the joint DFG-NRFU call for proposals**. As a result of negotiations and consultations between the representatives of the NRFU and the DFG during 2024, the process of developing the terms and conditions of the joint DFG-NRFU call for proposals with the financial support of the German Foundation has begun. Such enhancement of cooperation requires a detailed study of legal and regulatory requirements, a deep understanding and coordination of work processes at all levels, so the information received during the working visit was extremely useful for the NRFU.

Within the framework of the visit of the NRFU representatives a number of meetings with other representatives of the German research ecosystem were organized, namely:



German Academic Exchange Service (Deutscher Akademischer Austauschdienst, DAAD);

The meetings with representatives of these organizations and the federal executive body were an important step in strengthening the ties between the NRFU and the German academic and research communities. They opened up new opportunities for cooperation, exchange of experience and implementation of joint projects and initiatives.

As a result, the working visit to Germany not only strengthened existing ties, but also laid the foundation for new initiatives that will contribute to positive changes in Ukrainian research and education. Cooperation with the DFG and other German organizations will provide Ukrainian researchers with new opportunities to implement their ideas and projects.

During the year, a number of negotiations were held with representatives of foreign foundations, societies, institutions, and organizations from other countries. The main objectives of the communications were:

- discussing opportunities for establishing and developing cooperation between institutions;
- attracting communication, institutional and financial support from abroad;
- measures to support the development of the Ukrainian research system during and after the war;
- holding joint events, calls for proposals, etc.

Individual international meetings of the NRFU representatives and the topics discussed are shown below (Table 5.1).

TABLE 5.1

Separate international meetings of the representatives of the Directorate of the NRFU

Contact person	Organisation/ Institution	Areas of cooperation/ Topics discussed	Form of participation
Andrea Landolt; Arthur Fridley	Swiss National Science Foundation, SNSF	• Results of the joint call “Ukrainian-Swiss Joint Research Projects: Call for Proposals 2023”; • opportunities to hold new joint events and initiatives; • exchange of experience and advisory assistance.	Online

Contact person	Organisation/ Institution	Areas of cooperation/ Topics discussed	Form of participation
Renata Schaeffer Susan Black Olena Fimyar	University of Cambridge, UK	- Results of the call «Cambridge – NRFU 2022»; - opportunities to hold new joint events and initiatives.	Online
Iliana Ivanova; Marc Lemaître; Frederic Sondergaard; Natalia Dolya; Ruta Zarnauskaite; Lyudmila Nistor	European Commission, Belgium	- Implementation of the project "Horizon Europe Office in Ukraine as a key national contact point (NCP)"; - operational communication measures between the parties; - institutional support for the NRFU; - communication and information dissemination activities with the involvement of representatives of the European Commission	Online, offline
Jerzy Małachowski; Bożena Lublińska- Kasprzak; Jan Osiński; Cezary Błaszczuk	Narodowe Centrum Badań i Rozwoju, NCBR	- Overview of current activities of the NCBR and the NRFU; - organization and holding of joint events to support Ukrainian researchers; - opportunities for enhancing cooperation within the framework of the Innoglobo, Taix, Twinning programs; - providing information and consulting support.	Online, offline
Torsten Fischer; Meike Dlaboha; Henning Rickelt; Frank Siegele	Kooperati- onsstelle EU der Wissenschafts- organisationen, KOWI; Hochschule Weihenste- phan-Triesdorf; Zentrum für Wissenschafts- management e.V., ZWM; Centrum für Hochschulent- wicklung, CHE;	- Review of the activities of institutions; - opportunities for enhancing cooperation, joint events and initiatives; - development of a curriculum in management and administration of research in Ukraine (RMAinUA).	Online

Contact person	Organisation/ Institution	Areas of cooperation/ Topics discussed	Form of participation
Barbara Dammers Shenasi; Hans de Jonge; Loes Buitendijk	The Dutch Research Council, NWO	• Results of Partnership initiative NWO-NRFU 2023; • possibility of organizing and holding joint events, calls, initiatives, etc.; • experience in implementing Open Science in the NWO; • providing information and consulting support.	Online
Ralf Heinrich; Oskar Fast	United Nations Economic Commission for Europe, UNECE	• Review of the activities of institutions; • work to support Ukrainian researchers during the war; • activities of the NRFU department "Horizon Europe Office in Ukraine"; • opportunities for enhancing cooperation between the institutions.	Offline
Anu Noorma	Estonian Research Council (Eesti Teadusagentuur, ETAg)	• Overview of the activities of ETAg and the NRFU; • strengthening cooperation between the NRFU and the ETAg; • providing information and consulting support; • launched and upcoming ETAg programs of support of Ukraine.	Offline
Von Turekian Franklin; Carrero Martinez; Katie Campbell	National Academy of Sciences, Engineering, and Medicine, NASEM	• Interim results of the multilateral partnerships initiative IMPRESS-U; • receiving of informational and consulting support; • possible measures and programs to support the research ecosystem of Ukraine.	Online, offline

Contact person	Organisation/ Institution	Areas of cooperation/ Topics discussed	Form of participation
Lidia Borrell-Damian; Iwan Groeneveld ; Bregt Saenen	Science Europe, (SE)	• Involvement of the NRFU representatives to the SE working groups; • initiatives to support Ukraine from the SE members; • receiving of informational and consulting support.	Online
Natasha Scheidhauer	Edition La Recherche, Science et Avenir (France)	• Exchange of information on the current state of the research system of Ukraine during the war; • efforts to support Ukrainian researchers and preservation of research potential.	Offline

In order to promote the Foundation's international cooperation, 3 meetings of the Board of International Counselors of the NRFU were held during 2024, the main task of which is to promote the establishment and development of cooperation between the NRFU and foreign organizations, institutions, including those that fund research, advisory assistance to implement best international practices in the activities of the NRFU.

The main topics discussed during the meetings were as follows::

- strengthening institutional capacity of the NRFU;
- involving international reviewers in the examination of projects submitted to the NRFU calls for proposals;
- search sources of financing research of Ukrainian researchers;
- appeal to international reviewers to promote the activities of the Foundation, etc.

During 2024, the National Research Foundation of Ukraine actively worked on the continuation of a number of international initiatives launched in previous years. These initiatives became important elements of the integration of Ukrainian research into the global research community and contributed to the enhancing of international ties in the field of research and innovation.



Within the framework of cooperation with the SNSF and in order to support Ukrainian female researchers, as well as to implement the mission and tasks of the NRFU, which include, in particular, international exchange of information and researchers, promotion of scientific and scientific and technical activities, development of research infrastructure in Ukraine and its integration into the global research infrastructure, this year the Foundation for the second time carried out the process

of selecting and nominating female researchers of Ukraine for inclusion in the international database AcademiaNet in 2024.



13 applications were received during the period from June 17 to August 1, 2024. 12 candidates of these were approved by the Scientific Council.

Nomination to AcademiaNet is an important step in recognizing the research achievements of Ukrainian female researchers and their integration into the international research community. Together with AcademiaNet, the NRFU opens new horizons for Ukrainian female researchers in the international arena.



During the reporting year, the NRFU actively continued its cooperation with Science Europe – a recognized organization that brings together the main government agencies that fund or carry out top-level research in Europe. This cooperation is an important factor strengthening the institutional capacity of the NRFU.

As part of this interaction, representatives of the NRFU actively participated in the work of four important Science Europe working groups:

- **Research communication:** The participation of the NRFU representatives in the working group on research communication provided an opportunity to join the discussion of strategies and tools for the effective dissemination of research knowledge. The Foundation representatives discussed modern methods of promoting research, ensuring transparency and trust in research results, as well as increasing the role of research journalism. Special attention was paid to the issues of improving communication in crisis conditions, in particular in the context of war, which makes research information even more important for society.
- **Open Science:** The NRFU also joined the Open Science working group which focuses on developing a policy for open access to research results and data. The work in this group included discussing best practices for research data management and creating mechanisms that facilitate the exchange of information between researchers at the global level.
- **Horizon Europe:** Participation in the Horizon Europe working group allowed the NRFU representatives to join the discussion of key challenges and opportunities related to participation in the Horizon Europe program. The working group meetings discussed strategies for increasing the participation of researchers in calls for proposals, mechanisms for supporting early-career researchers, and tools for enhancing international cooperation.
- **Research culture:** The Research Culture working group focuses on developing ethical standards, supporting diversity and inclusion in academic institutions, and ensuring the well-being of researchers. The group discussed practices to ensure academic freedom, combat discrimination, and improve working conditions for researchers. Significant attention was paid to issues of research ethics and enhancing the role of social responsibility of research.

Cooperation with Science Europe is an important demonstration of support of Ukraine by the European research community. Through participation in key working groups, the NRFU adopts best practices from colleagues in Europe, which allows it to raise the standards of research communication and Open Science in Ukraine, strengthen the institutional capacity of the Foundation, and establish long-term partnerships with members of the Association.

Good news for the Foundation was the decision of the General Assembly of Science Europe on exemption from paying membership fees for 2025. This decision is an important step in enhancing our cooperation with the international research community. It shows that our efforts to integrate Ukrainian research into the European research area are being recognized and supported. Thanks to the active participation of the NRFU representatives in working groups, discussion of key policies and development of recommendations, we not only ensure Ukraine's presence on the global research arena, but also contribute to the implementation of important reforms in our research system.



In 2024, the NRFU actively supported the implementation of the principles of Open Science and the **CoARA** (Coalition for Advancing Research Assessment) in Ukraine. During the reporting year, representatives of the NRFU continued their work in the CoARA working group on the assessment of research projects, and also the CoARA National Chapter Ukraine. One from the key achievements of the Foundation in 2024 was the development of [Action Plan Supporting CoARA](#) (CoARA Action Plan). It is a strategic document aimed at reforming the assessment of research and achievements in accordance with the principles established by the CoARA coalition. It envisages the introduction of modern approaches to the assessment of research which are no longer based exclusively on



quantitative indicators, such as citation indices or the number of publications, but take into account the qualitative impact of research on society, the economy, the environment and other areas.

Through cooperation with European partners, the Foundation ensures the exchange of best practices in Open Science and research assessment, adapting them to the needs of Ukrainian research community.



In 2024, the Foundation was actively involved in the implementation of the project [Open4UA](#), the name of which can be translated as "OPEN Science for Ukrainian Higher Education System".

The main goal of the project – promoting the growth of Ukraine's knowledge economy for post-war recovery by reforming the higher education system. This will be achieved by prioritizing Open Science at various levels (from national to individual), which reflected in the project objectives:

- promoting national reform in the field of Open Science to modernize the higher education system and European integration by supporting amendments to legislation based on organized national consensus;
- implementation of existing advanced approaches and development of recommendations and mechanisms for reforming the assessment of research activity to prioritize Open Science at the national level during the state certification of institutions of higher education and the assessment of research projects;
- promoting institutional reform in the field of Open Science and improving the assessment of research in institutions of higher education by developing and piloting respective tools.

The goals and objectives of the Open4UA project are closely related to the functions and tasks assigned to the National Research Foundation of Ukraine by the state. As an institution responsible for supporting and funding research in Ukraine, the NRFU plays a key role in promoting modern principles of Open Science and reforming the assessment of research activity. Within the framework of this project, the NRFU is the leader of Work Package 4: "Prioritizing Open Science at the National Level".

The main objectives of this work package are:

- **Development of recommendations** for implementation of CoARA principles in the policies and practices of evaluating of research activities for the main budget administrators in the field of science and education. This involves adapting international standards to Ukrainian realities which will increase the efficiency of evaluation and distribution of funding.
- **Development and implementation of an open database of project**, funded by the NRFU. This initiative is aimed at creating a transparent system of access to information about research projects which will ensure free access to data and research results for a wide audience, in particular for the international research community.
- **Joint development of recommendations on state certification of institutions of higher education based on principles of Open Science.** This will contribute to increasing the transparency and quality of the assessment of Ukrainian universities, in accordance with European standards, with an emphasis on open access to research results and innovations.

The NRFU makes a significant contribution to the transformation of the Ukrainian research ecosystem, implementing modern principles of Open Science and promoting Ukraine's integration into European research area.

During the reporting year, representatives of the Directorate of the Foundation actively participated in international research and communication events, some of which are presented in the table below (Table 5.2).

TABLE 5.2

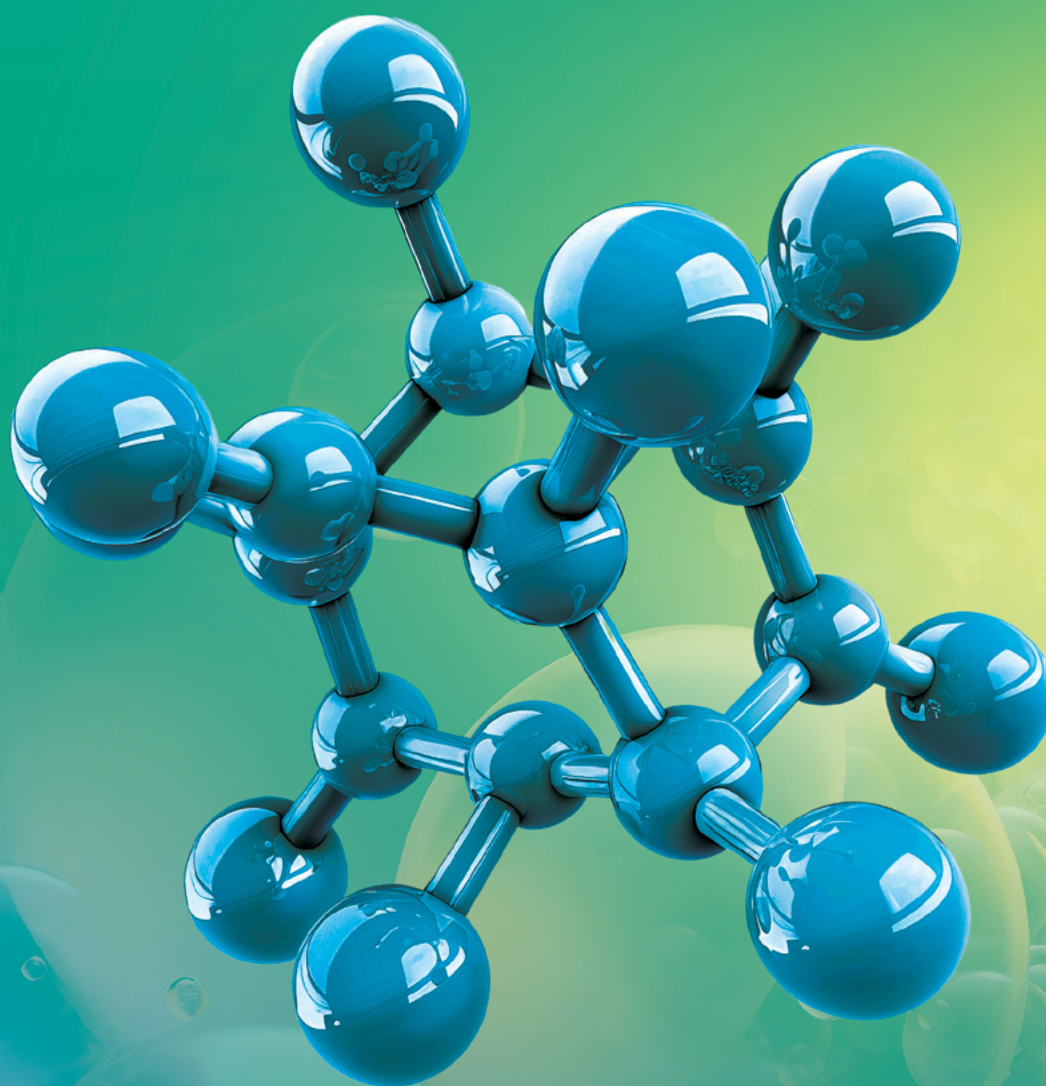
Participation of the NRFU representatives in international research and communication events

Title of the event	Organizer	Form of participation
Workshop “Promoting equitable research and innovation partnerships with low- and middle-income countries”	co-designed by The Guild, the German Commission for UNESCO, Euroscience, Institut de recherche pour le développement (IRD), TRUST project, Coimbra Group Latin America Working Group,	Online
Forum “Update on the development of research assessment (CoARA)”	Science Europe	Online
Tech Summit «Igniting Innovation in Ukraine»	EIT Community RIS Hub	Online
Annual meeting of the American Association for the Advancement of Science (AAAS) in 2024, Denver, USA	American Association for the Advancement of Science, AAAS, NASEM USA	Offline
International Conference on Higher Education Studies (ICHES), Amsterdam, Netherlands	UAid Foundation	Offline
High-Level Conference ‘Unlocking the Power of Science Communication in Policy Making’	Research Foundation – Flanders, FWO, and the Fund for Scientific Research (Fonds National de la Recherche Scientifique, FNRS) under the auspices of the Belgian Presidency of the EU Council 2024	Online
Workshop on Strengthening Ukraine’s Science and Innovation System	The US National Academy of Sciences (NASEM USA) in partnership with Simons Foundation and ETH Zurich	Online
Joint meeting of the Coordination Consortium, the European Commission (DG EAC, REA) and the Advisory Board of the MSCA4Ukraine programme	MSCA4Ukraine	Online

Title of the event	Organizer	Form of participation
Multi-Stakeholder Forum on Science, Technology and Innovation for the Sustainable Development Goals (STI Forum)	CoARA Ethics and Research Integrity Policy in Responsible Research Assessment for Data and Artificial Intelligence (ERIP) Working Group	Online
Workshop “Voting for Science: The Role of Science in Europe”	Science Europe, Research Foundation – Flanders, FWO	Online
General Assembly of Science Europe	Science Europe	Online
Funder Forum “PALOMERA 3rd Funder Forum”	OAPEN Foundation (Нідерланди)	Online
Open Gov Week 2024	The Open Government Partnership	Online
the 12th Annual Meeting of the Global Research Council (GRC)	Swiss National Science Foundation, SNSF, Fonds pour la Science, la Technologie et l'Innovation, FONSTI	Offline
the Fourth Polish-German Science Meeting 2024	The Foundation for Polish Science (Fundacja na rzecz Nauki Polskiej, FNP), National Science Centre (Narodowe Centrum Nauki, NCN) and German Research Foundation (Deutsche Forschungsgemeinschaft, DFG)	Offline
Science Summit at the 79th session of the UN General Assembly (UNGA79)	ISC Intelligence in Science	Online
HERA Board: High-level panel discussion	Humanities in the European Research Area (HERA)	Online

Through active participation in international research and communication events, the NRFU strengthens ties with international institutions which contributes to the development of research cooperation between Ukraine and other countries. This allows for the exchange of experience, the implementation of advanced practices in the field of research, and the raising of the level and prestige of Ukrainian research. In addition, participation in such events opens up new opportunities for joint initiatives, grant programs, and the involvement of international reviewers in the assessment of projects submitted for participation in the NRFU calls.

REPORT
2024



SECTION 6

COMMUNICATION ACTIVITIES

In 2024, the Foundation actively collaborated with organizations and institutions in different regions of Ukraine, ensuring equal opportunities for all researchers – regardless of their place of residence or work. One of the main goals of the communication was to make research grant support available to every researcher in Ukraine, helping to implement their ideas and promote the development of research at the national and international levels.

In cooperation with the Ministry of Health of Ukraine and the Ministry of Education and Science of Ukraine, on **March 6, 2024**, an "**Information Day for Scientists, Researchers and Innovators in the Healthcare Field**" was held. During the event, participants learned about grant support provided by the NRFU, as well as about the opportunities of the EU Horizon Europe Framework Programme for Research and Innovation.

The event was attended by representatives of relevant ministries, institutions of higher education, programme committees responsible for monitoring the implementation of the Horizon Europe Programme, NGOs, research institutions, as well as other stakeholders – potential participants in international calls and programmes for researchers and innovators in the field of healthcare.

To increase the motivation and success of Ukrainian researchers, the NRFU also constantly monitors the needs and challenges faced by researchers in different regions. This allows us to adapt communication and information activities to the specifics of each region, providing even more targeted support.

In 2024, the NRFU held a number of informational and educational and practical events with an emphasis on grant opportunities of the National Research Foundation of Ukraine and support instruments under the Horizon Europe Program in various cities of Ukraine, namely:

- Kharkiv (23.02.2024);
- Lviv (26-27.03.2024);
- Ivano-Frankivsk (29-30.04.2024);
- Lutsk (24.05.2024);
- Khmelnytskyi (06-08.06.2024);
- Uzhgorod (19-21.06.2024);

- Odesa (03-05.09.2024);
- Dnipro (25.09.2024);
- Vinnytsia (03.10.2024);
- Kyiv (30.10.2024).

The event in Kyiv, which took place on October 30, 2024, was dedicated to the first anniversary of the establishment of the "Horizon Europe Office in Ukraine" department, as a structural unit of the NRFU.

On the occasion of the sixth anniversary of the establishment of the National Research Foundation of Ukraine on July 4, 2024 an information and communication online event was held. Representatives of the National Council of Ukraine on Science and Technology Development, members of the Scientific Council and representatives of the Directorate of the Foundation joined the event. Specially invited guests of the event were representatives of the University of Cambridge (Great Britain), and the winners of the Call "Cambridge - NFDU 2022. Individual Grants for Research (Development) for Ukrainian Scientists (with the support of the University of Cambridge, UK)". As part of the event, the winners of the Call presented their projects: they talked about the goal, main tasks, obtained and expected research results, and their practical significance.

In 2024, employees of the Directorate held webinars for participants of the NRFU calls on the following issues:

- **January 17, 2024** – for participants of the Call "Infrastructures for Advanced Research";
- **February 6, 2024** – on the basis of the Ukrainian Institute of Scientific and Technical Expertise and Information on the topic: "National Research Foundation of Ukraine and "Horizon Europe Office in Ukraine": international grant support and competitive opportunities for Ukrainian researchers and innovators";
- **July 05, 2024** – "Recommendations for concluding agreements with winners of the NRFU calls in 2024";
- **November 12, 2024** – "Preparation of reporting documentation in 2024".

On the occasion of Science Day in Ukraine, May 17, 2024, the National Research Foundation of Ukraine held a training event "Integration of Ukraine into the Global Research Area". The event brought together representatives of the Ukrainian and international research community to discuss the realities and prospects for the development of research in Ukraine, ways of integrating Ukraine into the global research area, as well as available support instruments within the Horizon Europe Program.

During the sessions and panel discussions held during the event, participants discussed the following topics:

- realities and prospects for the development of science in Ukraine;
- ways of integration of Ukraine into the Global Research Area;
- results of international cooperation of the NRFU and launch of new initiatives;
- opportunities for Ukrainian research projects of the Horizon Europe EU Framework Programme for Research and Innovation;
- involvement of Ukrainian researchers in COST Actions;
- Ukraine on the way to Open Science;
- grant opportunities for business, etc.

During 2024, the Foundation continued to highlight the achievements of the winners of the NRFU calls. Our grantees have achieved significant results in such fields as medicine, physics, chemistry, mathematics and other sciences, whose work is important for the recovery and prosperity of Ukraine. The Department of Communications and International Cooperation continued to publish stories under the section '**Success stories**'. In 2024, 12 stories were published in Ukrainian and 10 in English.



Throughout 2024, work was actively conducted to improve communication with Ukrainian stakeholders. Representatives of the Foundation participated in research and communication events and meetings aimed at strengthening interaction and information exchange. Information on the participation of the NRFU representatives in terms of significant events is shown in the table below (Table 6.1).

TABLE 6.1
Participation of the NRFU representatives in international research and communication events

Title of the event	Organizer	Form of participation
Online meeting of the Council of the Vice-Rectors of the Research institutions of higher education of Ukraine belonging to the sphere of management of the Ministry of Education and Science of Ukraine	The Council of the Vice-Rectors of the Research institutions of higher education	Offline
Workshop-training for heads of departments, scientific and pedagogical and pedagogical staff	National University of bioresources and nature management of Ukraine	Offline
Communication event regarding the participation of Ukrainian representatives in events organized within the framework of EU Framework Programme for research and innovation	Ministry of education and science of Ukraine	Online
Workshop "Formation of National consensus on Open Science of the Open4UA project"	Open4UA project Consortium	Offline
All-Ukrainian call "Young scientist of the year"	Council of Young Scientists under the Ministry of Education and Science of Ukraine	Offline
Forum "Energy Security: Public-Private Partnership"	Chamber of Commerce	Offline
Presentation of the platform "Science at Risk"	Popular science media "Kunsht"	Online
Conference "The Role of Science and Innovation for the Recovery of Ukraine"	Institute of Physics (IOP) of the National Academy of Sciences of Ukraine	Online
Kharkiv International Legal Forum	Yaroslav Mudryi National Law University	Online

Title of the event	Organizer	Form of participation
Participation in the plenary session of the conference of young scientists of the Institute of Water Problems and Land Reclamation of the National Academy of Agrarian Sciences of Ukraine	Council of Young Scientists of the Institute of Water Problems and Land Reclamation of the National Academy of Agrarian Sciences of Ukraine	Online
International Conference "Open Science and Innovation in Ukraine 2024"	State Scientific and Technical Library of Ukraine	Online

The signing of memorandums with Ukrainian stakeholders is an important step in establishing co-operation between various organizations and institutes aimed at promoting scientific and scientific-technical activities. Thus, during 2024, the Foundation concluded 3 **Memorandums of Cooperation** with Ukrainian partners:

- **April 17, 2024** – A Memorandum of Cooperation between the National Research Foundation of Ukraine and the National Academy of Legal Sciences of Ukraine was signed. The purpose of the Memorandum is to coordinate efforts in stimulating fundamental and applied research in the field of law, and to assist in the development of an innovative environment free from infringement of intellectual property rights.
- **May 17, 2024** – A Memorandum of Cooperation between the National Research Foundation of Ukraine and the EIT Community RIS Hub Ukraine was signed. The purpose of this Memorandum is to consolidate efforts to identify ways of mutual support aimed to create favorable conditions for the development of the Ukrainian innovation ecosystem and its integration into European innovation ecosystems;
- **July 22, 2024** – A Memorandum of Cooperation between the National Research Foundation of Ukraine and the Public Union "Kharkiv IT Cluster" was signed. The purpose of the Memorandum is to cooperate in the field of popularisation of scientific and technical activities, as well as in the organisation and holding of events to promote scientific and technical activities.

Throughout 2024, the Foundation's employees published information on promoting scientific and scientific-technical activities and activities of the NRFU on the official website and social media pages, using these platforms to support communications, engage the audience, and promote the development of research initiatives.

Below there is the number of publications and posts on the NRFU social media pages and website:

- **164 posts on Facebook;**
- **124 posts on Telegram;**
- **98 posts on X;**
- **79 posts on LinkedIn;**
- **5 videos on YouTube** channel of the Foundation.

The following news was published on the official website of the Foundation:

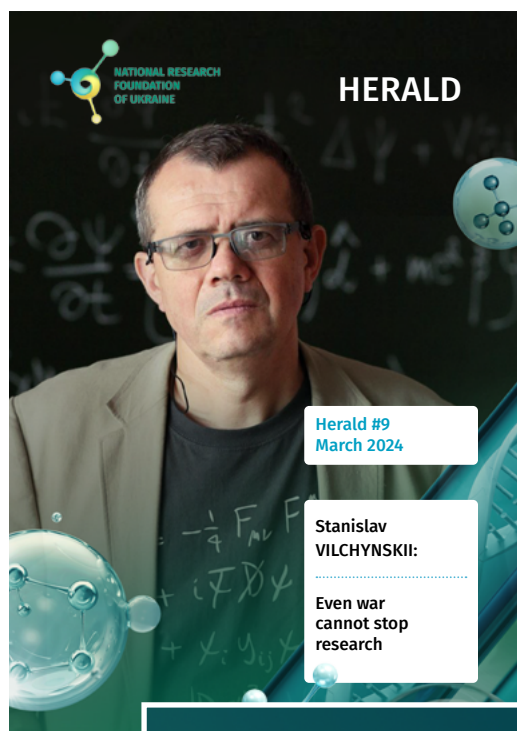
- **182 publications** on the Ukrainian version of the site;
- **95 publications** on the English version.

In 2024, the NRFU "Herald" section was continued, featuring interviews with leading researchers, reviewers, and figures in the research field. Issues of "Herald" allowed readers to learn not only about the work of the Foundation, but also about innovative ideas that develop in the Ukrainian

research community, the challenges researchers are facing, and ways to overcome them. It is traditionally published in Ukrainian and English.

In 2024 publications were prepared:

- **Herald № 9** (March 2024) Stanislav VILCHYNSKII: «Even war cannot stop research»;
- **Herald № 10** (August 2024) Denys KURBATOV: «I dream that every ministry would have a scientific adviser and that the opinion of researchers would be taken into account when making complex decisions »;
- **Herald № 11** (November 2024) Mykola LEOVKA, Olga MATYSHEVSKA, Artem PAVLYCHENKO: «The future is in grant funding»;
- **Herald № 12** (December 2024) Angelika KALT: «I am amazed that even the threat to life cannot prevent researchers from doing their work».



REPORT
2024



SECTION 7

FUNCTIONING OF

«HORIZON EUROPE OFFICE IN UKRAINE»

In accordance with the Grant Agreement concluded between the National Research Foundation of Ukraine and the European Commission No. 101132682 dated 23.08.2023 the Secretariat of the Cabinet of Ministers of Ukraine registered an international technical assistance project "Horizon Europe Office in Ukraine as a key National Contact Point (NCP)" and established a department "Horizon Europe Office in Ukraine" (HEOinUA) which is an independent structural unit of the Directorate of the NRFU.

The purpose of establishing the Horizon Europe Office in Ukraine is to implement projects of the EU programmes for research and innovation, to promote the expansion of the participation of Ukrainian researchers in the Horizon Europe EU Framework Programme for Research and Innovation, to ensure the integration of the domestic research and innovation sector into the European Research Area through communication, dissemination of information and training.

During the period from January 1 to December 31, 2024, the Department of Horizon Europe Office in Ukraine of the NRFU, in accordance with the Action Plan for the implementation of the tasks provided by the Grant Agreement between the NRFU and the European Commission No. 101132682 dated August 23, 2023, the following was implemented.

Within WP1: Establishing of HEOinUA based on and as an integral part of the NRFU, task 1.2. – *Training plan for HEOinUA staff* was developed for HEOinUA staff, which was included in the Consolidated Plan for Professional Development of the NRFU for 2024 and approved by the Order of the NRFU No. 91 dated February 19, 2024. The training plan for HEOinUA staff was approved in the EC reporting system on March 14, 2024.

Deliverable D1.2 achieved – The specialized HEOinUA website is operational. Since February 22, 2024, the specialized HEOinUA website has been launched (<http://surl.li/raauv>), the deliverable was approved by the EC on March 14, 2024.

To implement the tasks of WP2: Establishing professional services of the NCP, deliverable D2.1 achieved – *Training and Knowledge Dissemination Plan (for the NCP and Ukrainian stakeholders) Version 1* (in Ukrainian and English), approved by Olga Polotska, Executive Director of the NRFU, and placed in the EC reporting system, the deliverable was approved by the EC on March 14, 2024.

Implementation of **task 2.2.** has begun – Promoting the creation of an active and effective network of thematic NCPs throughout Ukraine and conducting trainings for NCPs. With participation of the HEOi-

nUA specialists three training events were held in 2024 (October 15, November 25, and December 20) for representatives of the NCPs network of the Horizon Europe EU Framework Programme for Research and Innovation.

Deliverable D2.5 – *List of national stakeholders, businesses and public authorities that can become part of the network.* The database contains 2,994 records that is constantly expanding. As of September 12, 2024, a database of 1,735 records was approved in the EC reporting system (Fig. 7.1).

DATABASE STRUCTURE

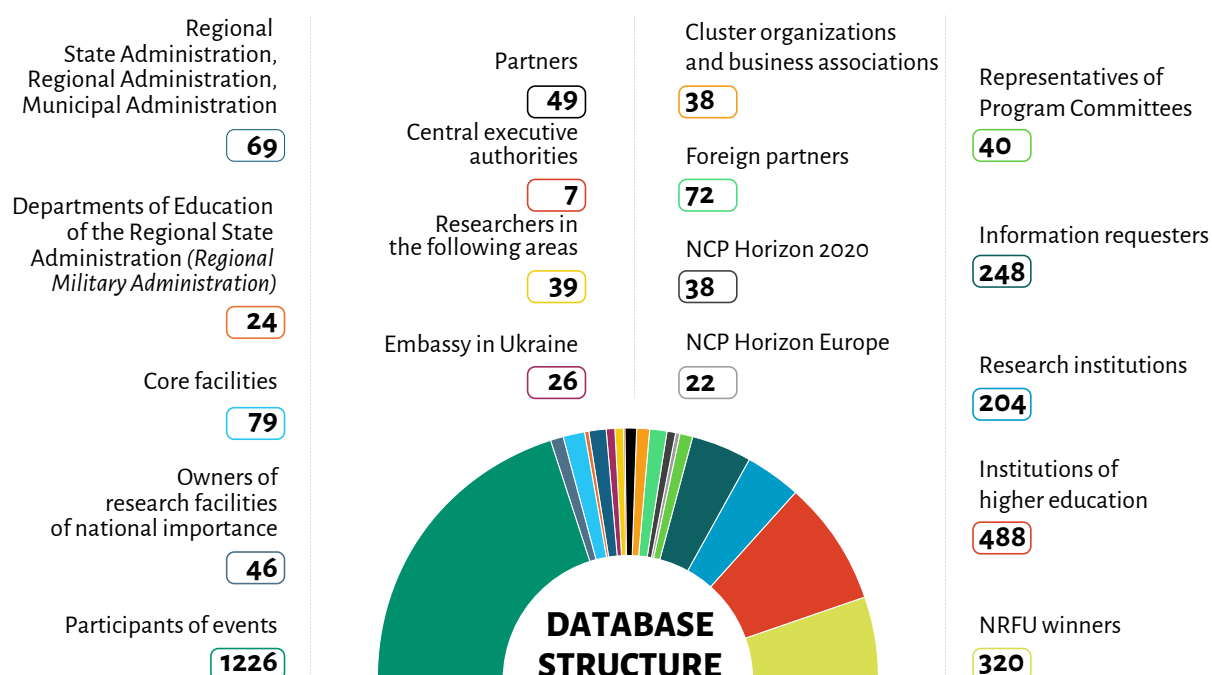


Fig. 7.1 — *List of national stakeholders, businesses and public authorities that can become part of the network*

To implement **task 2.4.** – *Information support for Ukraine's participation in "Horizon Europe" program committees*, in 2024, **16 online working meetings** were held with representatives of Ukraine in the committees responsible for monitoring the implementation of the "Horizon Europe" EU Framework Programme for Research and Innovation.

A number of tasks successfully completed within **WP3: Promotion of the "Horizon Europe" Programme in Ukraine**, in particular, **deliverable D3.1** – *Report on performed communication activities*. During the reporting period, the HEOinUA staff participated **in 120 online events** and **73 offline events**, presented by month and in total in percentage terms (Fig. 7.2-7.3).

EVENTS IN WHICH THE HEOINUA PARTICIPATED BY MONTH (excluding working meetings)

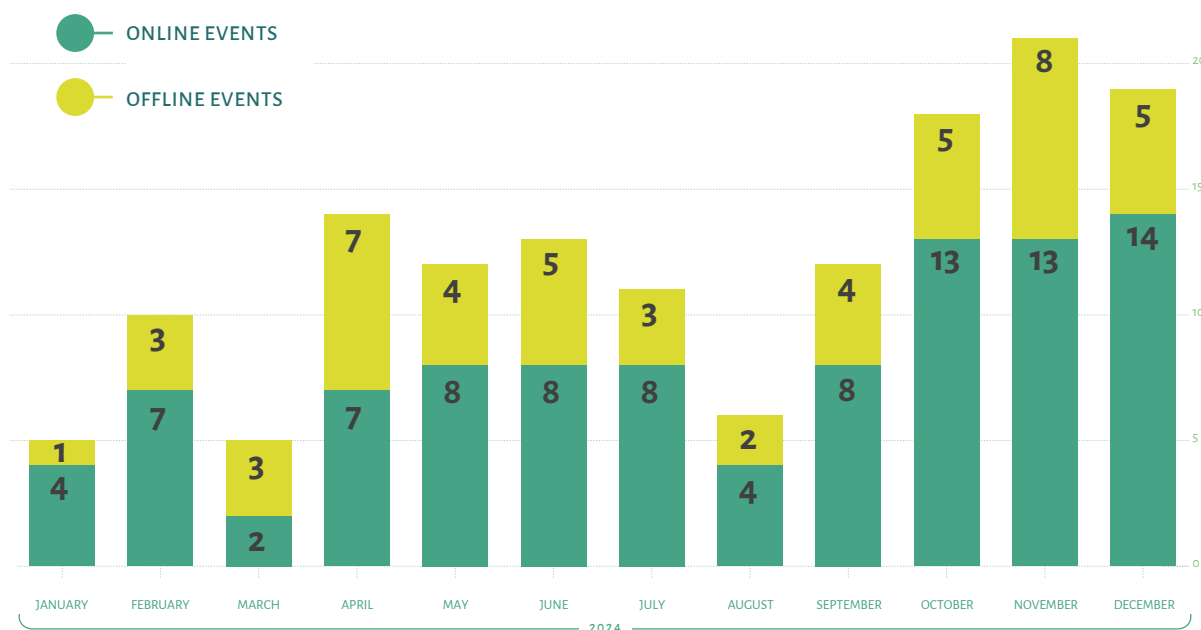


Fig. 7.2 — Communication events held by the HEOInUA in 2024

HEOInUA ACTIVITIES in 2024

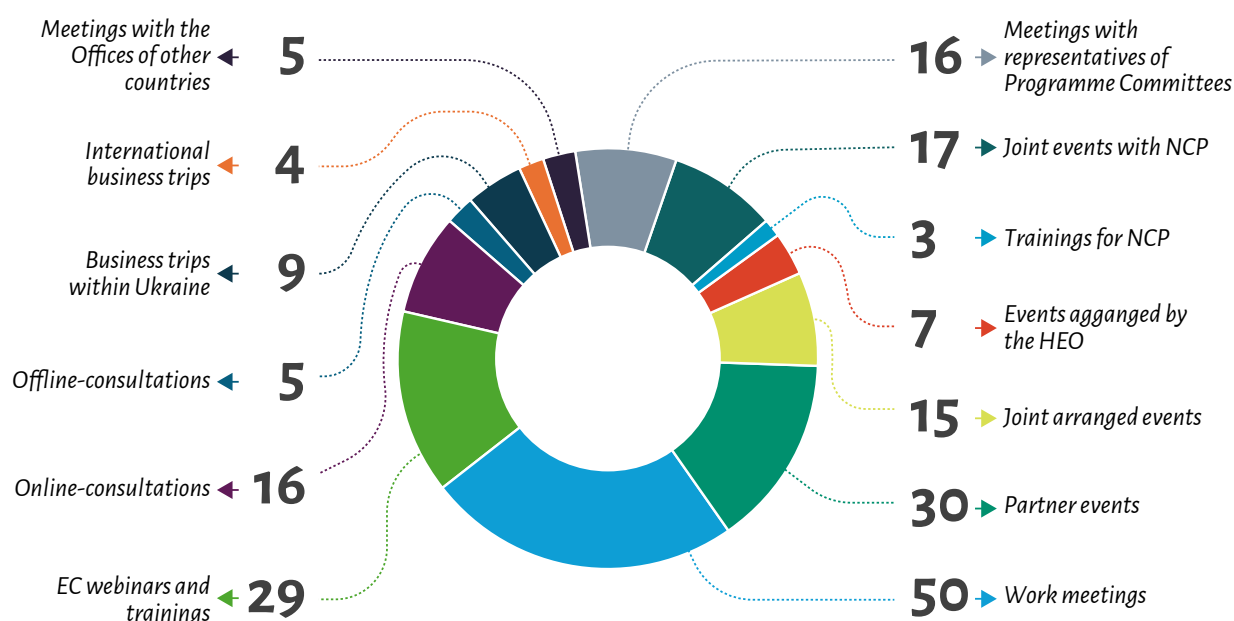


Fig. 7.2 — Structure of events arranged by the Office in 2024

In addition, leading officers of the HEOinUA participated in **13** online training **events**.

Deliverable D3.2 – *Pages in at least two social media have been launched, confirmed.* Three social media pages are maintained: **Facebook** (2,202 followers, 94,808 times viewed, 32,961 reactions and shares); **X** (Twitter) (50 followers, 2,765 posts in the network, 502 interactions with posts); **LinkedIn** (973 followers, 29,770 post views, 1,492 reactions).

On April 11, 2024 official **YouTube** channel of the HEOinUA was launched (82 followers, 27 videos).

Under **WP4: Provision of consultations and analysis**, **334** written responses were provided to the inquiries received in the Office's mailbox. The structure of the questions is as follows (Fig. 7.4):

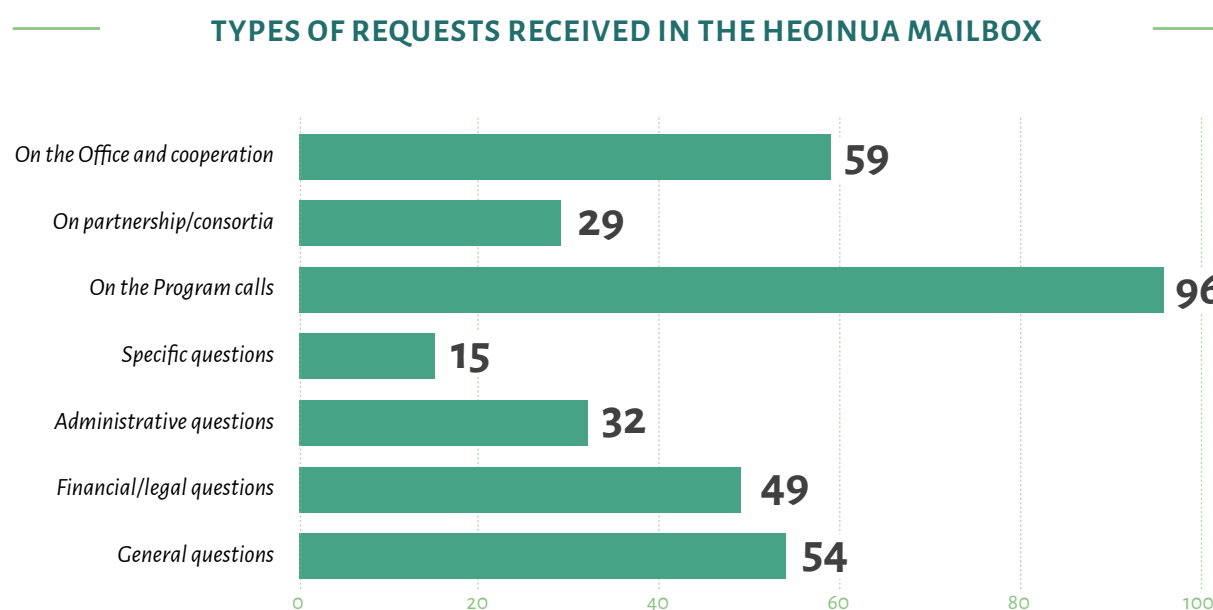


Fig. 7.4 — Structure of requests received in the Office mailbox in 2024

Deliverable D4.3 – *The report on establishing cooperation between HEOinUA and similar offices in the EU and associated countries provides information on establishing cooperation and conducting online meetings with:*

- "Horizon Europe Office in the Republic of Moldova" (January 17, 2024 and March 15, 2024);
- "Horizon Europe Office in Georgia" (March 21, 2024);
- Estonian National Contact Point (August 13, 2024);
- Slovak National Horizon Office (December 19, 2024).

On December 16-17, 2024, a study visit "LEARNING ACROSS BORDERS STUDY VISIT TO THE AUSTRIAN RESEARCH PROMOTION AGENCY (FFG)" to the Austrian Research Promotion Agency, as part of which the Horizon Europe Office in Austria operates, took place in the format of physical presence.

Additionally, cooperation has been established with the COST National Coordinator (January 12, 2024); the IP Office (Ukrainian National Office for Intellectual Property and Innovations (UANIP-IO)), EIT Community RIS Hub, the National Erasmus+ Office in Ukraine (March 26, 2024); the National Project Coordinator EUREKA (April 29, 2024).

WP5: Project management envisaged the achievement of deliverable D5.1 – *Annual Report on Work Performed 1*. Annual Report on Work Performed 1 was prepared, approved by the Executive Director of the NRFU Olga Polotska on 01.04.2024 and uploaded to the EC system for reporting on the status of project implementation (approved by the EC on September 09, 2024). Annual Progress Report 1 was published (<https://surl.li/qkmdbt>). **Deliverable D5.4** – *Data Management Plan* achieved. Data Management Plan developed and placed in the EC reporting system and approved on March 14, 2024.



REPORT
2024



CONCLUSIONS

Summarized, the results of the work of the National Research Foundation of Ukraine in 2024, are the following:

1. The Work Plan of the National Research Foundation of Ukraine for 2024 can be considered fulfilled.
2. Based on the decisions of the Scientific Council of the Foundation, in 2024, agreements were concluded for the implementation of research and development at the expense of grant support from the general fund with 274 grantees from the general fund and with 12 grantees from a special fund of the state budget based on the results of the NRFU calls: «Science for Safety and Sustainable Development of Ukraine» – 54 projects for a total amount of UAH 149 937,6 thousand; «Support for Research of Leading and Young Scientists» – 2 projects for a total amount of UAH 3 634,6 thousand; «Science for the Recovery of Ukraine in the War and Post-War Periods» – 66 projects for a total amount of UAH 159 870,3 thousand; «Infrastructures for advanced research» – 10 projects for a total amount of UAH 49 162,2 thousand; «Science for Strengthening the Defense Capability of Ukraine» – 80 projects for a total amount of UAH 94 492,0 thousand; «Excellent Science in Ukraine» – 62 projects for a total amount of UAH 102 595,8 thousand; «Cambridge – NRFU 2022. Individual grants for research (developments) for Ukrainian researchers (with the support of University of Cambridge, UK)» – 12 projects for a total amount of UAH 4 857,3 thousand.

The total amount of financing under the concluded agreements for projects in 2024 was UAH 564 549,8 thousand, which is 22.4% higher compared to 2023 (UAH 461,107.6 thousand), while ensuring the balance of the average annual cost of the project at the appropriate level.

3. In the reporting year, competitive procedures for three calls for proposals launched at the end of 2023 were completed.

Call “Science for Strengthening the Defense Capability of Ukraine”. A total of 165 applicants participated in the call (125 in technical sciences, 30 in biological sciences, and 10 in social sciences and humanities), 108 applications were sent for expert review, 81 projects were selected as winners.

Call “Excellent Science in Ukraine”. A total of 256 applicants participated in the call (158 in technical sciences, 54 in biological sciences, and 44 in social sciences and humanities), 188 applications were sent for expert review, 62 projects were selected as winners.

Call “Infrastructures for advanced research”. A total of 28 applicants participated in the call (18 in technical sciences, 6 in biological sciences, and 4 in social sciences and humanities), 14 applications were sent for expert review, 10 projects were selected as winners.

4. One of the main achievements of the reporting year was the successful completion of the call “Ukrainian-Swiss Joint Research Projects: Call for Proposals 2023”. In the course of the call for proposals the NRFU and SNSF have received applications for research on the most urgent issues of development of scientific and technical, socio-economic, socio-political, and human poten-

tial to ensure Ukraine's competitiveness in the world and the sustainable development of society and the state. After reviewing the projects, Swiss National Science Foundation increased the budget again: it was decided to fund the work of 20 research groups, which would include 80 Ukrainian researchers.

The work of both Ukrainian and Swiss groups will be funded by the Swiss National Science Foundation (SNSF). The total budget of the call is 7.6 million Swiss francs, 2.7 million of which will be allocated to finance the work of Ukrainian researchers.

5. During the reporting period, the Foundation actively participated in the development of the following draft regulatory legal acts: amendments to regulatory legal acts to ensure the activities of the NRFU: the Law of Ukraine "On Amendments to the Law of Ukraine "On Scientific and Scientific-Technical Activities" regarding Research Infrastructure and Support for Young Scientists; the Procedure for preparation and submission of documents, competitive selection by the National Research Foundation of Ukraine of research projects for the Verkhovna Rada of Ukraine Prize for Young Scientists and a new edition of the Regulations on the Verkhovna Rada of Ukraine Prize for Young Scientists; the Law of Ukraine "On Amendments to Certain Legislative Acts in Connection with the Adoption of the Law of Ukraine "On Administrative Procedure"; the Law of Ukraine "On Amendments to the Law of Ukraine "On Scientific and Scientific-Technical Activities" to ensure the continuity of the institutional activities of the NRFU; Law of Ukraine "On Amendments to Certain Laws of Ukraine Regarding the Update of the System of Priority Areas of Scientific, Scientific and Technical and Innovative Activities"; the Law of Ukraine "On the State Budget for 2025".
6. During the reporting period, work was actively carried out to improve communication with Ukrainian stakeholders. Representatives of the Foundation participated in numerous research and communication events, meetings and sessions aimed at strengthening interaction and information exchange: online meeting of the Council of the Vice-Rectors of the Research Institutions of Higher Education Institutions of Ukraine belonging to the sphere of management of the Ministry of Education and Science of Ukraine; workshop-training for heads of departments, scientific and pedagogical and pedagogical staff; communication event regarding the participation of Ukrainian representatives in events organized within the framework of EU Framework Programme for research and innovation; workshop "Formation of National consensus on Open Science of the Open4UA project"; All-Ukrainian call "Young Scientist of the Year"; Forum "Energy Security: Public-Private Partnership"; Conference "The Role of Science and Innovation for the Recovery of Ukraine"; International Conference "Open Science and Innovation in Ukraine 2024" and many others.
7. According to the Decree of the Cabinet of Ministers of Ukraine of 19 November 2024 No. 1324, the staffing level was set at 94 employees, 80 units of which are financed from the general fund of the state budget and 14 units (the maximum number of employees of a structural division established to ensure the implementation of European Union research and innovation programs or equivalent programs in Ukraine to implement relevant projects for the period of such programs (parts of such programs) – at the expense of special funds).
8. In accordance with the decision of the Scientific Council of the Foundation, the Directorate has developed Terms of reference for the modernization of the integrated information security system Automated System «The NRFU Call for Projects». The main goal of the first stage of modernization of the Automated System «The NRFU Call for Projects» is to improve and expand the functionalities of its components which is primarily related to the need to adapt the structure of the application for grant support to the terms and conditions of different calls as defined in Article 51 of the Law of Ukraine "On Scientific and Scientific-Technical Activities", to adapt to the legislative requirements for the organization and holding of calls for Annual Grants of the Pres-

ident of Ukraine to Young Scientists and Doctors of Sciences, the Verkhovna Rada of Ukraine Prize for Young Scientists, as well as modernization of individual modules according to the priorities determined by the Scientific Council of the NRFU through:



- expanding the functionality of the "Reviewers" unit, simplifying the procedures for registration of new reviewers, including foreign ones, etc.;
 - creating new software components in the "Call Applications" unit which will allow to adapt the application structure for grant support to the terms and conditions of various calls for proposals in the areas of grant support defined in Article 51 of the Law of Ukraine "On Scientific and Scientific-Technical Activities", and will provide an opportunity to expand the functionality for creating and setting the application form for grant support;
 - developing new software components for the "Assessment and Selection" unit will allow to implement an adaptive model for assessing applications for grant support based on the specifics of the calls terms and conditions, and introduce an expanded model of access to competitive selection information depending on the category and role of its participants;
 - developing new software components that should ensure improved communication between all participants in the call (grantees, the Directorate of the Foundation, independent reviewers, call commission, the Scientific Council of the Foundation), etc.
9. Proposals were developed within the framework of the working group on building the capacity of the National Research Foundation of Ukraine, diversifying its areas of activity and de-bureaucratizing its processes, established by the order of the Ministry of Education and Science of Ukraine No. 430 of 02.04.2024, on: comprehensive amendments to the relevant regulatory legal acts, other acts that regulate the processes of organizing and conducting calls for grant support by the NRFU in terms of improving the mechanism for planning state budget expenditures to provide grant support for research and scientific and technical (experimental) developments; improving the procedure for returning budget funds by grantees in case of violation of legislation or essential terms and conditions of grant support agreements; determining the main approaches to forming the estimated cost of a project; a mechanism for monitoring the practical implementation of the results obtained based on the results of project implementation.



REPORT
2024

PROMISING AREAS OF DEVELOPMENT

The promising areas of development of the National Research Foundation of Ukraine for 2025 include the following:

Strategic objective 1:

«Formation of sustainable, efficient and effective national research communities».

- 1.1. Annual grant funding for collective projects of basic and applied research and developments with open topics.

Task 1. Organization of regular calls for proposals for fundamental and applied research projects with open topics and a permanent opportunity to submit project applications.

- 1.2. Support for the development of research infrastructure and advanced research groups and centers as points of growth of Ukrainian research, support for the formation and development of research schools, research continuity, transmission of research tradition through the cooperation of experienced and early-career researchers, and research mentoring.

Task 2. Organization of grant funding for advanced research centers and key laboratories.

Strategic objective 2:

«Integration of Ukrainian research into the global research area».

- 2.2. Organization of bilateral and multilateral calls/initiatives in cooperation with foreign partners and donors.

Task 1. Negotiations with foreign grantors on organizing bilateral and multilateral projects.

Task 2. Holding calls for individual, collective, and institutional projects in cooperation with foreign grantors.

- 2.3. Facilitation of participation of Ukrainian researchers in grant programs funded by the international research community.

Task 1. Ensuring the activities of the Horizon Europe program support office for Ukrainian researchers on the basis of the Foundation.

Strategic objective 3:

«Effective interaction between the leaders of research and innovation activities with a focus on national security and defense capabilities and the step-by-step recovery of Ukraine».

- 3.1. Establishing an effective mechanism of communication between the research community and representatives of the military-industrial sector, as well as other developers, manufacturers and customers of products that are important for defense and security.

Task 1. Conducting communication events and direct appeals to representatives of the military-industrial complex, respective start-up projects and volunteer organizations to engage them in cooperation with the Foundation.

Task 2. Regular meetings between different groups of representatives of the military-industrial complex, respective start-up projects and volunteer organizations with sections of the Scientific Council and the Foundation's administration.

- 3.2.** Grant funding for applied projects aimed, in particular, at solving technology-based defense tasks.

Task 1. Organization and conduct of grant support calls for individual and collective projects in the areas most relevant to the development of defense and dual technologies.

Strategic objective 4:

«Dissemination of research knowledge in the Ukrainian society increasing the prestige of research».

- 4.1.** Promotion among the general public and government bodies of research knowledge and results of research and developments obtained by Ukrainian researchers.

Task 1. Coverage of the results obtained through the Foundation's grant support in the media, social networks and during various public events.

Task 2. Organization of informational events for government officials.

- 4.2.** Involvement of students in research activities within the framework of research projects.

Task 1. Inclusion in the terms and conditions of project calls of requirements for the involvement of early-career researchers in their implementation.

- 4.3.** Implementation of events to train reviewers and prepare grant applications.

Task 1. Development and implementation of grantwriting activities.

Task 2. Development of online webinars or a program course on training in project preparation and submission and proposals writing.

Task 3. Creation of simple instructions in the form of documents, videos, etc. for members of the call commissions and reviewers of the Foundation.

- 4.4.** Ensuring proper funding for research.

Task 1. Provision of a competitive level of remuneration in the terms of calls for proposals.

Strategic objective 5:

«Institutional development improvement of its regulatory framework of the Foundation's activities».

- 5.1.** Increase in the efficiency of managerial processes in the Foundation, bringing the quantitative and qualitative staff of the Directorate in line with the operational tasks, increase in professional competencies and improvement of skills of the Directorate staff of the Foundation.

Task 1. Bringing the quantitative and qualitative composition of the Directorate's staff in line with their job tasks, enhancing professional competencies and improving the skills of the Directorate's staff of the Foundation.

- 5.2.** Systematic interaction with the authorities to improve the regulatory framework of Ukraine in order to achieve the most efficient operation of the Foundation.

Task 1. Development of the register of necessary amendments to the legislation, regulatory framework and internal documents of the Foundation.

Task 2. Amendments to the register of necessary amendments to the legislation, regulatory framework and internal documents of the Foundation.

Task 3. Systematic interaction with the authorities to amend the legal framework of Ukraine in accordance with the developed register of necessary amendments.

- 5.3.** Improvement of the system of requirements for reviewers and appropriate ordering of the electronic database of the Foundation, improvement of reviewing procedures.

Task 1. Development of rules for timely and effective response by the Scientific Council to facts of reviewers' dishonesty and response to respective notifications.

Task 2. Work with highly qualified Ukrainian and foreign reviewers on their involvement in projects reviews.

Task 3. Simplification of the reviewers' registration procedure in accordance with the Proposals of the Working Group on optimization of administrative procedures in the work of the Foundation's reviewer, approved by the decision of the Scientific Council of the Foundation (Protocol No. 28 of 26.10.2023).

- 5.4.** Improvement of the system for administering calls and projects, as well as technical support for the Foundation's operation (Automated System «The NRFU Call for Projects», reviewers database, database of projects funded by the NRFU) and implementation of electronic document flow system.

Task 1. Monitoring of issues and shortcomings in the competitive selection, administration, and assessment of projects implementation.

Task 2. Elimination of issues and shortcomings in the competitive selection and administration of projects.

- 5.5.** Increase in the efficiency of project reporting procedures, development of reliable criteria for assessing the availability and quality of research.

Task 1. Improvement of reporting procedures on the results of projects implementation.

Task 2. Systematic work on studying global practices for assessing research projects, adapting them to Ukrainian conditions, and developing our own methods.

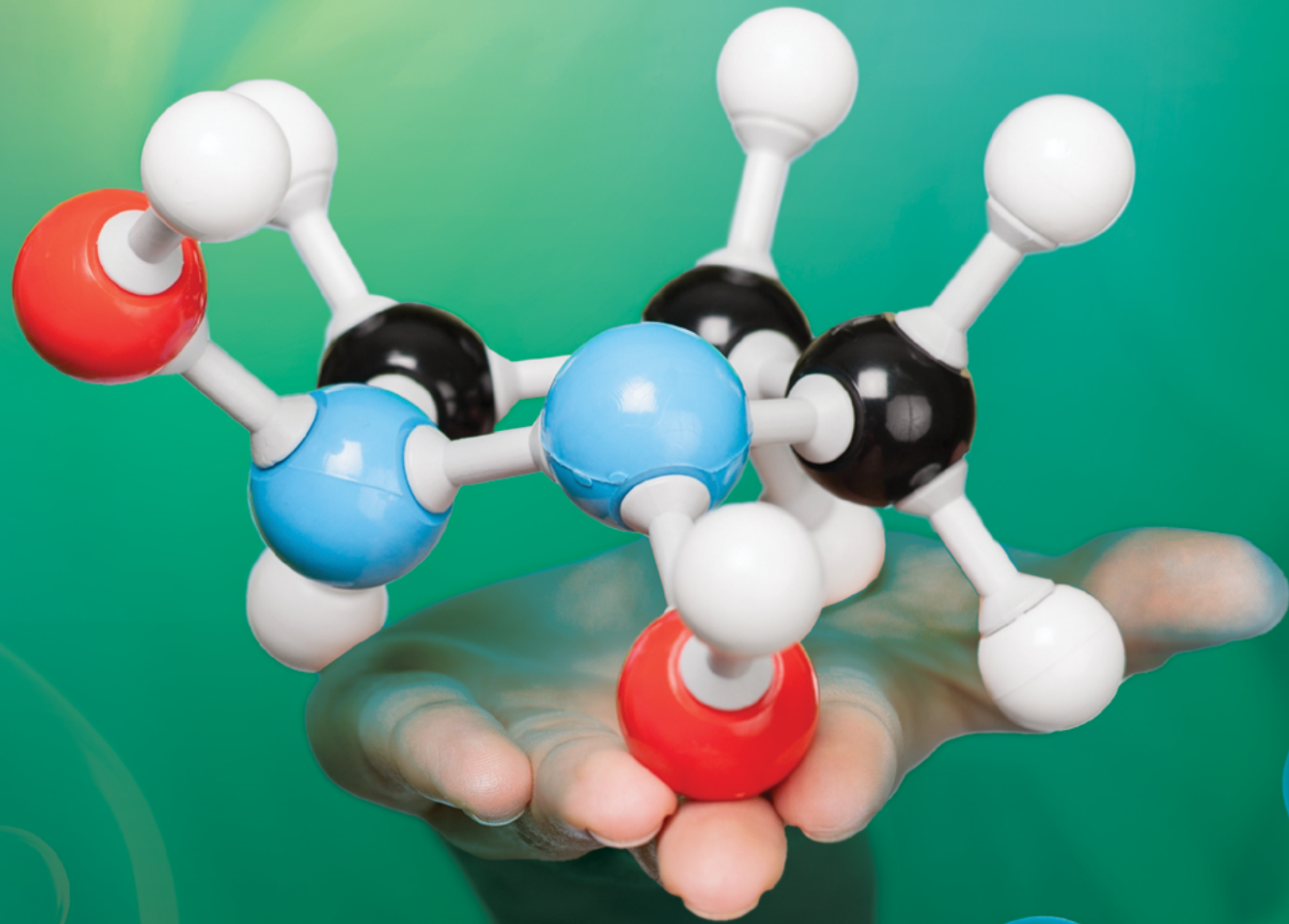
- 5.6.** Focus on transition to regular, sustainable, and predictable funding of calls aimed at the comprehensive development of various research fields.

Task 1. Formation of unified terms and conditions for calls launched by the Foundation on a regular basis, with the possibility of submitting a project application at any time, indicating the annual deadline for its submission.

REPORT
2024



ANNEXES



Call

«Ukrainian-Swiss Joint Research Projects: Call for Proposals 2023»

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
1	2023.01/0028	Institute for Scintillation Materials	3D printing of plastic scintillator based particle detectors	Boyaryntsev Andriy
2	2023.01/0033	Institute for Condensed Matter Physics of the NAS of Ukraine	Understanding the surfaces of colloidal halide perovskite nanocrystals	Baumketner Andriy
3	2023.01/0006	Bogolyubov Institute for Theoretical Physics	Transport and thermodynamic phenomena in low-dimensional materials with flat bands	Sharapov Sergei
4	2023.01/0007	Bogolyubov Institute for Theoretical Physics of the NAS of Ukraine	Compact star-forming galaxies and their impact on cosmic reionization and cosmology	Izotov Yuri
5	2023.01/0030	Institute of History of Ukraine of the NAS of Ukraine	Mykhailo Drahomanov: Switzerland on Ukraine's Intellectual Map of Europe	Yas Oleksii
6	2023.01/0092	Kyiv National Economic University named after Vadym Hetman	Improving Job Search and Occupational Matching in a Turbulent Labor Market in Ukraine	Tsymbaliuk Svitlana
7	2023.01/0075	Bogomoletz Institute of Physiology NAS of Ukraine	Fine structural alterations of the neurogenic niche in Alzheimer's disease	Tsupykov Oleg
8	2023.01/0040	National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"	DT4LC - Developing Scalable Digital Twin Models for Land Cover Change Detection Using Machine Learning	Kussul Nataliia
9	2023.01/0014	Institute of Molecular Biology and Genetics	Novel Portable Non-Invasive Real-Time Monitoring System for Biomarker Detection in Preterm Infants	Dzyadevych Sergei



Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
10	2023.01/0109	Taras Shevchenko National University of Kyiv	Search for a bound dineutron in the $^{100}\text{Mo}(p,n2)$ ^{99}mTc nuclear reaction and enhancement of technetium production with medical cyclotrons	Kadenko Ihor
11	2023.01/0084	Mykola Yarmachenko Institute of Special Education and Psychology	RISE: Resilience through Immersive Sensory Environments	Prokhorenko Lesia
12	2023.01/0026	Sumy State University	A Learning Health System for innovative, community-based mental health care delivery in Ukraine: An international, multi-stakeholder effort	Kostenko Andriana
13	2023.01/0100	Institute of Organic Chemistry	Managing the hydrogen transfer: new approaches to redox catalysis based on protic carbenes	Kostiuk Oleksandr
14	2023.01/0066	Taras Shevchenko National University of Kyiv (TSNUK)	Multimodal detection of ionizing particles with solution-grown hybrid organic-inorganic halide perovskite single crystals	Bezshyyko Oleg
15	2023.01/0103	Taras Shevchenko National University of Kyiv	Targeting Rag proteins – multi-versed controllers of cellular growth signaling	Ryabukhin Sergey
16	2023.01/0058	Sumy State University	Decentralization of energy and climate governance in Ukraine and Switzerland	Lyeonov Serhiy
17	2023.01/0077	Taras Shevchenko National University of Kyiv	Cosmic waltz of baryonic and ultralight dark matter: interaction and dynamical interplay	Gorbar Eduard
18	2023.01/0119	Taras Shevchenko National University of Kyiv	Gamma-ray and Multi-Messenger Astronomy at the High-Energy Frontier	Hnatyk Bohdan
19	2023.01/0046	Taras Shevchenko National University of Kyiv	Testing the Soviet Utopia: The Social History of Technologies in Ukraine, 1922-1991	Kazakevych Gennadii
20	2023.01/0087	O.O. Bogomoletz Institute of Physiology	Molecular mechanisms underlying the anti-epileptic activity of gap junction channel inhibitors	Isaev Dmytro

Call

«Science for Safety and Sustainable Development of Ukraine»

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
1	2021.01/0093	Sumy State University	Physical bases of formation of apatite-biopolymer-carbon 3D nanometric scaffolds for biomedical purpose with prolonged delivery of antimicrobials to the implantation area	Sukhodub Leonid
2	2021.01/0391	Taras Shevchenko National University of Kyiv	Development of novel anesthetic agents	Mykhailiuk Pavel
3	2021.01/0136	V.M. Glushkov Institute of Cybernetics	Development of the cloud-based platform for patient-centered telerehabilitation of oncology patients with mathematical-related modeling	Stetsyuk Petro
4	2021.01/0204	V. N. Karazin Kharkiv National University	Research And Development Of Ion-Plasma Technologies for Synthesis of Complex Composite Multifunctional Coatings For Medical Implants And Biosafety	Mykola Azarenkov
5	2021.01/0410	Lviv Polytechnic National University	Optically and acoustically controlled devices based on crystalline and nanocomposite materials for modulation of terahertz radiation	Andrushchak Anatoliy
6	2021.01/0229	Institute of Physics NAS of Ukraine	Biophysical and biochemical characteristics of metastatic circulating cells as potential targets of antimetastatic therapy	Dovbeshko Galyna
7	2021.01/0062	V. N. Karazin Kharkiv National University	Molecular design, synthesis and screening of new potential antiviral pharmaceutical ingredients for the treatment of infectious diseases COVID-19	Kalugin Oleg

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
8	2021.01/0017	L.V. Pisarzhevskii Institute of Physical Chemistry of the NAS of Ukraine	Design of nanocomposite metal-oxide catalysts for compatible oxidative conversion of C1-4-alkanes and carbon dioxide with obtaining of hydrogen/syngas, valuable organic compounds	Soloviev Sergii
9	2021.01/0311	Institute Mathematical Machines and System Problems, Ukrainian National Academy of Sciences	Mathematical methods and models for analysis, forecasting and decision support for the spread of the SARS-Cov-2 epidemic in Ukraine	Brovchenko Igor
10	2021.01/0278	Frantsevich Institute for Problems of Materials Science, NAS of Ukraine	Development of scientific and technological bases for the creation of new materials based on Fe-Al intermetallics with increased resistance and heat resistance to ensure efficient operation and environmental safety in the nodes of energy and transport engineering	Fartushna Iuliia
11	2021.01/0178	FD Ovcharenko Institute of Biocolloidal Chemistry	Hybrid hydrogel materials with gold nanoparticles and cytostatics with complex antitumor and regenerative activity for the needs of reconstructive surgery in the oculoorbital region	Samchenko Yuriy/ Goncharuk Olena
12	2021.01/0103	Lviv Polytechnic National University	Methods and means of research of markers of aging and their influence on postcovid effects for prolongation of the working period	Shakhovska Nataliya
13	2021.01/0306	Dnipro University of Technology	Development of technology for the restoration of lands disturbed by mining operations by forming backfill masses based on natural and technogenic materials	Petlovanyi Mykhailo

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
14	2021.01/0108	Ivan Franko National University of Lviv	Development of novel materials and processes for the production of environmentally friendly veterinary pharmaceuticals	Gladyshevskii Roman
15	2021.01/0022	V. P. Kukhar Institute of Bioorganic Chemistry and Petrochemistry NAS of Ukraine	Structurally modified natural compounds of the bromotyrosine series as inhibitors of bacterial biofilms for the prevention and treatment of persistent infections	Smolii Oleg
16	2021.01/0276	Institute for Problems of Cryobiology and Cryomedicine NAS of Ukraine	Therapeutic potential and safety of three-dimensional constructs based on mesenchymal stem cells for treatment of non-healing wounds	Petrenko Oleksandr
17	2021.01/0211	Taras Shevchenko National University of Kyiv	Improving the quality and safety of radiation therapy of cancer and X-ray diagnosis	Bezshyyko Oleg
18	2021.01/0208	Palladin Institute of Biochemistry NAS of Ukraine	The effect of natural and artificial immunization with SARS-CoV-2 antigens on the state of hemostasis system	Platonova Tetyana
19	2021.01/0042	Institute for Scintillation Materials NAS of Ukraine	Development of effective detection systems for the most harmful ionizing radiation for humans, for radioecology tasks	Mykola Galunov / Tarasenko Oleg
20	2021.01/0189	Zaporizhzhia Polytechnic National University	New materials with a gradient nanostructure for load-bearing structures of the increased reliability and human security under special conditions	Brykov Mikhailo
21	2021.01/0316	National Technical University "Kharkiv Polytechnic Institute"	Development of composite materials for road construction on the based on heavy tonnage waste	Sakhnenko Mykola

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
22	2021.01/0030	National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”	Microwave devices based on resonant structures with metamaterial properties for the life protection and information security of Ukraine	Ilchenko Mykhailo
23	2021.01/0210	Bogomoletz Institute of Physiology NAS of Ukraine	The role of mitochondrial mechanisms in the development and prevention of cardiovascular dysfunctions in aging	Sagach Vadym
24	2021.01/0332	Zabolotny Institute of Microbiology and Virology NAS of Ukraine	Development of effective antimicrobial and wound-healing biological product for the prevention and treatment of purulent-inflammatory wounds of the skin and mucous membranes	Spivak Mykola
25	2021.01/0282	SI "Institute of Food Biotechnology and Genomics of NAS of Ukraine"	Development an aerosol liposomal form of curcuminoids and miRNAs complex for the treatment of Alzheimer's disease early-stage	Shulga Sergiy
26	2021.01/0024	Institute of Molecular Biology and Genetics NAS of Ukraine	Determination of clinically significant gene mutations in malignant neoplasms samples of Ukrainian patients for the development of diagnosticums and the establishment of tumor pharmacological resistance to drugs	Tukalo Mykhailo
27	2021.01/0313	SI "Institute of Food Biotechnology and Genomics of NAS of Ukraine"	Development of the wheat genotypes with the genes conferring resistance to highly pathogenic races of stem rust with use of molecular markers to ensure food security of Ukraine	Pirko Yaroslav
28	2021.01/0010	Institute of Cell Biology of NAS of Ukraine	Development of an enzymatic kit and portable biosensors for express-analysis of creatinine, a marker of acute functional disorders of the kidneys	Gonchar Mykhailo

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
29	2021.01/0184	Ukrainian National Forestry University	Silvicultural and molecular genetic principles of increasing the biotic resilience of Scots pine stands in the context of adaptation to climate change and anthropogenic pressure	Kovaleva Valentina
30	2021.01/0006	National Scientific Center "Institute of Experimental and Clinical Veterinary Medicine"	Study of the circulation of zoonotic influenza A viruses in the natural reservoir and assessment of their epidemic risks and threat to human health in Ukraine	Stegniy Borys
31	2021.01/0213	State Institution "V.P.Komisarenko Institute of Endocrinology and Metabolism of the National Academy of Medical Sciences of Ukraine"	Study of the course and consequences of COVID-19 in patients with diabetes mellitus and the impact of SARS-CoV-2 infection on the rate of biological aging	Mykola Tronko
32	2021.01/0414	State Scientific Institution "Institute for Single Crystals" NAS of Ukraine	New fluorescent dyes and multifluorophore systems for the improvement of sensitivity of flow cytofluorometry and fluorescence microscopy diagnostic methods	Tatarets Anatoliy
33	2021.01/0009	Ivan Franko National University of Lviv	Drosophila melanogaster as a platform for screening of novel antiviral compounds and studies of cellular mechanisms of antiviral defenses	Ostash Bohdan
34	2021.01/0417	Palladin Institute of Biochemistry NAS of Ukraine	Cellular and molecular mechanisms of vitamin D ₃ hepatoprotective action in non-alcoholic fatty liver disease associated with experimental type 2 diabetes mellitus	Shymanskyi Ihor
35	2021.01/0061	Palladin Institute of Biochemistry NAS of Ukraine	Cumulative neurotoxic effect of multicomponent pollution by airborne particles and neuroactive pharmaceuticals, biomaterials (including SARS-CoV-2), toxic metals and its prevention	Borisova Tatiana

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
36	2021.01/0087	Institute of Molecular Biology and Genetics NAS of Ukraine	The role of G-quadruplexes and pseudouridine sites in the development of new SARS-CoV-2 antiviral therapy strategies	Leonid Gorb / Platonov Maksym
37	2021.01/0416	West Ukrainian National University	Introduction of climate-neutral innovations into agricultural nature management within the context of ecological and energy security of Ukraine	Brych Vasyl
38	2021.01/0272	Taras Shevchenko National University of Kyiv	Factors of psychological attitudes towards vaccination: cross-cultural aspect	Danyliuk Ivan
39	2021.01/0177	Palladin Institute of Biochemistry NAS of Ukraine	Development of test-system for the quantification of protein C for diagnostics of intravascular thrombus formation danger	Korchynskiy Olexandr
40	2021.01/0076	State Scientific Institution "Institute for Single Crystals" NAS of Ukraine	Development of a novel, nanoparticle-based disinfectant for deactivation of pathogens causing emergent infectious diseases	Belikov Konstantin
41	2021.01/0328	PRIVATE INSTITUTION "DOBROBUT ACADEMY"	Effective treatment of peripheral nerve injury by biomimetic 3D scaffolds	Voitenko Nana
42	2021.01/0263	Ivan Franko National University of Lviv	Biotechnological and pharmacological potential of new antibiotic Je478 with the antimycobacterial activity	Fedorenko Viktor
43	2021.01/0151	Vasyl' Stus Donetsk National University	«Improving effectiveness of criminal law protection of the environment in Ukraine: theoretical and practical elements».	Movchan Roman
44	2021.01/0295	Ptoukha Institute For Demography and Social Studies NAS of Ukraine	"Rising inequality and poverty in Ukraine due to the COVID-19 pandemic"	Libanova Ella

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
45	2021.01/0021	State Institution "Luhansk Taras Shevchenko National University"	Formation of critical thinking of citizens as a security factor in the conditions of armed violence and information aggression in the East of Ukraine	Kurylo Vitalii
46	2021.01/0106	Yaroslav Mudryi National Law University	Collaborationism in the temporarily occupied territories of Ukraine: problems of legal assessment, guarantees of human rights and freedoms and reintegration of territories	Yakoviyk Ivan
47	2021.01/0239	Taras Shevchenko National University of Kyiv	New geostrategic threats to human social security under a hybrid war and ways to prevent them	Varnalii Zakharii
48	2021.01/0343	National University of Water and Environmental Engineering	Ensuring social protection of ATO / JFO participants and social integration of IDP under the condition of increasing threats to social security	Samoliuk Natalia
49	2021.01/0409	Ivano-Frankivsk National Technical University of Oil and Gas	Formation of tariff policy in gas supply for information and social security	Horal Liliana
50	2021.01/0040	Sumy State University	Formation of economic mechanisms to increase energy efficiency and provide sustainable development of renewable energy in Ukraine's households	Telizhenko Oleksandr
51	2021.01/0183	Sumy State University	Restructuring of the national economy in the direction of digital transformations for sustainable development	Karintseva Oleksandra
52	2021.01/0433	Lviv Polytechnic National University	Assessing the impact of the Covid-19 pandemic on Ukraine's human resources and identifying ways to overcome them	Podolchak Nazar

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
53	2021.01/0198	Ukrainian Scientific and Methodological Center of applied psychology and social work of NAES of Ukraine	Post-COVID Socio-psychological Rehabilitation of Participants in the Educational Process in the Activities of Employees of the Psychological Service	Panok Vitalii
54	2021.01/0435	Bogomoletz Institute of Physiology NAS of Ukraine	Development of novel technology for treatment of diabetic neuropathic pain using viral vectors	Belan Pavel



Call

«Support for Research of Leading and Young Scientists»

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
1	2020.02/0371	V. N. Karazin Kharkiv National University	Metal asteroids: searching of parent bodies of iron meteorites, sources of extraterrestrial resources	Iryna Belska
2	2020.02/0032	Taras Shevchenko National University of Kyiv	Controlled transport of topological excitations in atomic circuits for quantum sensors and quantum information processing systems	Olena Prykhodko / Oleksandr Yakymenko

Call

«Science for the Recovery of Ukraine in the War and Post-War Periods»

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
1	2022.01/0009	Lviv Polytechnic National University	Assessing and forecasting threats to the reconstruction and sustainable operation of objects of critical infrastructure	Kochan Orest
2	2022.01/0034	Yuriy Fedkovich Chernivtsi National University	The newest system of polarization tomography of human polycrystalline films of biological fluids for the diagnosis of the severity and monitoring of the rehabilitation of war injuries	Sklyarchuk Valeriy
3	2022.01/0154	V.I. Vernadskii Institute of General and Inorganic Chemistry	Development of new types of high-capacity solid-state lithium batteries to ensure the energy security of Ukraine	Anatolii Belous
4	2022.01/0131	V. Lashkaryov Institute of Semiconductor Physics	Development of the latest manufacturing technology of a silicon avalanche photodiode for the near-infrared region of the spectrum	Melnyk Viktor
5	2022.01/0103	V. Lashkaryov Institute of Semiconductor Physics	Development of the technology of biocompatible antibacterial coatings of orthopedic implants by the gas-detonation deposition method for the needs of military and civilian medicine	Byelyayev (Belyaev) Oleksandr
6	2022.01/0121	Institute of Geography of the NAS of Ukraine	Geographic Information System for Spatial Assessment of Environmental Degradation in Ukraine as a Result of Russian Aggression	Maruniak Eugenia

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
7	2022.01/0199	National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”	System of integration and intelligent processing of data from satellites, unmanned aerial vehicles and ground sources based on artificial intelligence methods	Stirenko Sergii
8	2022.01/0125	Institute of Organic Chemistry of the NAS of Ukraine	Development of semi-industrial protocols for the synthesis of functionalized carboranes – a promising platform for biomedical applications	Rassukana Yuliya
9	2022.01/0039	RE Kavetsky Institute of Experimental Pathology, Oncology and Radiobiology	Designing smart biomaterials and functionalized nanoparticles for cancer diagnosis and therapy under stress conditions	Ganusevich Iryna
10	2022.01/0038	G.V. Kurdyumov Institute for Metal Physics of the NAS of Ukraine	Durability Enhancement of Aircraft Metal Materials: Formation of Structural-Phase States and Physical-Mechanical Properties as Affected by the Solid-Solution, Dispersion and Work Hardenings, and Surface Finishing	Mordyuk Bohdan
11	2022.01/0172	Institute of Engineering Thermophysics of NAS of Ukraine	Aerodynamics, heat exchange and innovations for increasing the energy efficiency of window structures and their use for the reconstruction of war-damaged buildings in Ukraine	Basok Borys
12	2022.01/0126	V. Lashkaryov Institute of Semiconductor Physics NAS of Ukraine	Development and implementation of a dust-insensitive smoke detector based on a plasmon-polariton photodetector	Mamykin Sergii
13	2022.01/0095	E.O. Paton Electric Welding Institute (PWI)	Development of technology for remote diagnosis of damaged large-scale objects based on the use of unmanned aerial vehicles (UAVs) and photogrammetry	Lobanov Leonid



Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
14	2022.01/0135	Vinnitsia National Technical University	Development of a Laser - Photonic Treatment-Diagnostic Complex for the Medical Rehabilitation of Patients with Polytraumas of Various Degrees of Severity	Pavlov Sergii
15	2022.01/0209	Institute of Geological Sciences	Complex research of the geoecological state of preservation of the historical and cultural heritage objects of the National Reserve "Kyiv-Pechersk Lavra" in the conditions of military operations	Bugai Dmytro
16	2022.01/0069	Institute of Electrodynamics	Models and means for improving operational efficiency of hydroelectric and hydroelectric pumped-storage power plants for IPS of Ukraine power balancing in the conditions of the electricity market and special technical constraints	Blinov Ihor
17	2022.01/0171	Ivan Franko National University of Lviv	New amorphous metal nanocomposites with programmable properties obtained by the method of additive technologies	Ihor Shtablavyi
18	2022.01/0058	Thermal energy technology institute of NAS of Ukraine	Modernization of coal-fired boiler units of TPPs and CHPs taking into account the diversification of their fuel base to ensure stable heat and energy supply and power system load regulation	Dunayevska Nataliya
19	2022.01/0037	V. Lashkaryov Institute of Semiconductor Physics NAS of Ukraine	Energy-efficient lighting and power supply systems using renewable energy sources in conditions of unstable electricity supply	Sorokin Viktor
20	2022.01/0163	Lviv Polytechnic National University	Creation and properties optimization of the film structures based on CdSe _{1-x} S _x and CdTe _{1-x} Se _x solid solutions for optoelectronic systems	Ilchuk Hryhorii

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
21	2022.01/0224	State University of Infrastructure and Technologies	Development of the scientific principles of comprehensive improvement of safety, efficiency of operation and management of critical objects of railway transport in the conditions of post-war development of Ukraine	Coolak Sergey
22	2022.01/0019	E.O.Paton Electric Welding Institute	Development of antimicrobial packaging biopolymer materials and technology of their welding for long-term food storage	Iurzhenko Maksym
23	2022.01/0048	General Energy Institute	Information technology for energy audit of buildings as a component of the energy security of the country	Babak Vitalii
24	2022.01/0011	Institute of Physics	Innovative photonic technologies of bio-medical direction for the post-war reconstruction of Ukraine	Bondar Mykhailo
25	2022.01/0046	V. Bakul Institute for Superhard Materials	Development of composites based on cubic boron nitride with protective nanostructured coatings, study of their physical, mechanical and operational properties in the conditions of formation of aviation equipment products.	Klymenko Sergey
26	2022.01/0129	National University of Life and Environmental Sciences of Ukraine	Formation of technological structures of decentralized energy systems in the post-war reconstruction of the infrastructure of territorial communities in the context of combating climate change	Trokhaniak Viktor
27	2022.01/0001	National Science Center "Kharkiv Institute of Physics and Technology"	Development and implementation of plasma technologies of low-temperature sterilization and disinfection for military and civilian medicine	Garkusha Igor

№	Application ID	Institution/organisation (grantee)	Project title	Project PI
28	2022.01/0013	State Museum of Natural History of the NAS of Ukraine	Digitization of natural history collections damaged as a result of hostilities and related factors: development of protocols and implementation on the basis of the State Museum of Natural History of the NAS of Ukraine	Novikov Andriy
29	2022.01/0066	V. Lashkaryov Institute of Semiconductor Physics NAS of Ukraine	Development of nanocomposite material technology for highly efficient absorption of electromagnetic radiation.	Evtukh Anatoliy
30	2022.01/0170	Oles Honchar Dnipro National University	Justification of aerodynamic and design parameters of a high-speed wing-in-ground craft	Dreus Andrii
31	2022.01/0022	Institute of Molecular Biology and Genetics NAS of Ukraine	Sensing platform based on graphene and textiles for analysis of metabolites in sweat	Korpan Yaroslav
32	2022.01/0031	National Scientific Center «Institute for Soil Science and Agrochemistry Research named after O.N. Sokolovsky»	Assessment of the impact of armed aggression on the state of black soils and the development of measures for the accelerated restoration of soil fertility in the context of ensuring food security	Baliuk Sviatoslav
33	2022.01/0089	Bogomolets National Medical University	The optimization of medical care to patients with type 2 diabetes during the war and post-war periods	Kobyliak Nazarii
34	2022.01/0065	Taras Shevchenko National University of Kyiv	Bacteriophages as biological agents for the control of bacterial complications in victims of gunshot and mine-explosive injuries	Shevchenko Oleksiy
35	2022.01/0030	Taras Shevchenko National University of Kyiv	Innovative model of mental health protection of students during and after the war	Pinchuk Iryna

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
36	2022.01/0099	Karpenko Physico-Mechanical Institute of the NAS of Ukraine	Development of the methodology for assessing the serviceability of existing gas pipelines to improve the operational stability of the energy system of Ukraine under green hydrogen transportation	Zvirko Olha
37	2022.01/0142	National Transport University	Development of a load model based on the actual parameters of heavy vehicles to determine the load-carrying capacity of highway bridges during their rebuilding and operation in the war and post-war periods	Slaviska Olena
38	2022.01/0077	Institute of Hydrobiology	The development of technologies and measures for the revitalization of river systems affected by Russian aggression as a component of section 8 of River Basin Management Plans	Afanasyev Sergiy
39	2022.01/0064	Ivan Franko National University of Lviv	Metal hydrides based on modified magnesium alloys for modern high-capacity hydrogen storage systems	Volodymyr Pavlyuk
40	2022.01/0168	Taras Shevchenko National University of Kyiv	Environmentally safe piezo/ferroelectric flexible nanocomposites for converting mechanical load into light and electrical energy	Lazarenko Maksym
41	2022.01/0105	Ivan Franko National University of Lviv	New means based on compositions of natural zeolite for disinfection of surfaces in the field conditions	Kalychak Yaroslav
42	2022.01/0091	Lviv Polytechnic National University	Development of a hydrogel composition for fire-resistant glass units and its production technology	Varvarenko Serhii
43	2022.01/0096	Sumy State University	Development of design solutions and layout schemes of a parametric series of high-speed energy-efficient well pumps for the needs of enterprises in the field of critical infrastructure	Liaposhchenko Oleksandr

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
44	2022.01/0207	Institute of Cell Biology of NAS of Ukraine	Anti-inflammatory and wound-healing agent containing the composition of the cannabimimetic N-stearoyl-ethanolamine with chitosan-based hydrogel	Stoika Rostyslav
45	2022.01/0025	Institute of Molecular Biology and Genetics NAS of Ukraine	Hydrogel smart dressings for wound healing monitoring	Kozyrovska Natalia
46	2022.01/0043	Institute of Molecular Biology and Genetics NAS of Ukraine	Development of a portable system for express monitoring of lactate and pyruvate ratio in blood for urgent needs of clinical diagnostics	Soldatkin Oleksandr
47	2022.01/0004	Taras Shevchenko National University of Kyiv	Development of the technology of using water-soluble C60 fullerenes to recover the functional activity of skeletal muscles after mechanical trauma	Nozdrenko Dmitro
48	2022.01/0094	B.Verkin Institute for Low Temperature Physics and Engineering of the NAS of Ukraine	Thermal imaging study of soft tissues with thermal injury and mathematical modeling of the processes accompanying it	Shevchenko Sergiy
49	2022.01/0087	State Scientific Institution "Institute for Single Crystals" of NAS of Ukraine	Development of components of antimicrobial drugs to increase the effectiveness of their action and prevent resistance of microorganisms	Lipson Victoria
50	2022.01/0151	Danylo Halytsky Lviv National Medical University	Improvement of diagnosis and treatment of disorders of sexual and reproductive functions of men suffered as a result of hostilities	Vorobets Dmytro
51	2022.01/0211	Institute of Electrodynamics	Development of a mobile voltage generation system with variable parameters for monitoring the safety and reliability of high-voltage electrical equipment of power facilities of critical infrastructure of Ukraine	Shcherba Anatolii

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
52	2022.01/0107	Dnipro University of Technology	A resource-saving technology development for mining and processing of non-metallic mineral raw materials in the war and post-war periods	Saik Pavlo
53	2022.01/0204	Academician Stashis Scientific Research Institute for the Study of Crime Problems, National Academy of Legal Sciences of Ukraine	Protection of human rights in the concept of transitional justice: the Ukrainian model	Pashkov Vitalii
54	2022.01/0061	Research center for industrial problems of development NAS of Ukraine	Creation of the production of synthetic liquid fuel from coal in Ukraine in the war and post-war periods	Khaustova Viktoriia
55	2022.01/0074	State Institution "Marian Dolishnyi Institute of Regional Research" NAS of Ukraine	Youth Migration Losses: Simulation Technique and Scenario Forecasting in the Context of Preserving Human Potential for the Post-War Reconstruction of Ukraine	Vasyltsiv Taras
56	2022.01/0166	Ternopil Volodymyr Hnatiuk National Pedagogical University	Research on the development of social rehabilitation services for children with disabilities and their families at the level of territorial communities in the war and post-war periods	Slozanska Hanna
57	2022.01/0098	Ivan Ziaziun Institute of Pedagogical Education and Adult Education of NAES of Ukraine	Maximizing the effectiveness of blended learning resources in higher pedagogical education institutions during the War and Post-War recovery of Ukraine	Kotun Kyryl
58	2022.01/0144	V. N. Karazin Kharkiv National University	Implementation of the "Public Participation 2.0" concept for the reconstruction of the city of Kharkiv in the war and post-war periods	Dziundziuk Viacheslav

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
59	2022.01/0060	Academician Stashis Scientific Research Institute for the Study of Crime Problems, National Academy of Legal Sciences of Ukraine	Criminal law and criminological principles of counteracting the glorification of Russia's armed aggression in Ukraine	Batyrgareieva Vladyslava
60	2022.01/0073	Sumy State University	Digital archiving of monuments as objects of public memorialization for the preservation of the cultural heritage of Ukraine.	Tatsenko Nataliia
61	2022.01/0010	Berdiansk State Pedagogical University	Design of inclusive educational environment of higher education institution	Hurenko Olha
62	2022.01/0014	National Technical University "Kharkiv Polytechnic Institute"	Development of an experimental sample of electronic equipment film protection element against pulses of electromagnetic radiation	Zaitsev Roman
63	2022.01/0017	O.M.Beketov National University of Urban Economy in Kharkiv	Development of methodological and instrumental support for Agile transformation of the reconstruction processes of medical institutions of Ukraine to overcome public health disorders in the war and post-war periods	Chumachenko Igor
64	2022.01/0021	Ukrainian State University of Science and Technologies	Scientific justification of the introduction of the European track on the territory of Ukraine in the post-war period	Tiutkin Oleksii
65	2022.01/0005	Karpenko Physico-Mechanical Institute	The concept of restoring and extending exploitation resource of equipments of the most important branches of the national economy of Ukraine	Student Mykhailo

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
66	2022.01/0145	National Scientific Centre “Institute of Agrarian Economics”	Develop methodical approaches to calculating losses, assessing the impact of military aggression and compensation policy on the development of agrarian entrepreneurship	Pugachov Mykola

ANNEX A 5

Call «Infrastructures for advanced research»

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
1	2023.05/0022	V. Lashkaryov Institute of Semiconductor Physics	Creation of the State key laboratory "Centre of critical optoelectronic micro- /nano-technologies and expertise"	Dzhagan Volodymyr
2	2023.05/0021	Danylo Halytsky Lviv National Medical University	Building the research infrastructure of the drug design ecosystem	Lesyk Roman
3	2023.05/0009	E.O. Paton Electric Welding Institute	Development of biopolymer nanocomposite materials to stimulate the regeneration of living tissues and wound healing	Demchenko Valeriy
4	2023.05/0015	Lviv Polytechnic National University	Development of hydrogel means for emergency treatment of penetrating abdominal wounds within the framework of the creation of the Center for Research on New Polymeric Materials for Medicine	Samaryk Volodymyr
5	2023.05/0003	State Scientific Institution "Institute for Single Crystals" NAS of Ukraine	Development of new materials based on supramolecular systems for biomedical and veterinary applications	Chebanov Valentyn
6	2023.05/0007	V. Bakul Institute for Superhard Materials	Development of a collective use center of the V.Bakul Institute for Superhard materials of the NAS of Ukraine as a scientific and instrumental base for the creation of advanced superhard composite materials	Turkevych Volodymyr
7	2023.05/0026	Lviv Polytechnic National University	Innovative complex approaches to the repairing of transport structures	Blikharskyy Zinoviy

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
8	2023.05/0024	Taras Shevchenko National University of Kyiv	Addressing Contemporary Issues in Chemistry, Biomedicine, Physics, and Materials Science Using High - Performance Computing and Machine Learning	Komarov Igor
9	2023.05/0023	Bogomoletz Institute of Physiology NAS of Ukraine	Biomedical Center for Innovative Research in Neuroscience	Skibo Galyna
10	2023.05/0019	Institute for Condensed Matter Physics of the National Academy of Sciences of Ukraine	Interdisciplinary Center for Computer Simulations: creation, basic research, teaching and sustainability	Bryk Taras

Call
«Science to Strengthen Defense Capabilities of Ukraine»

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
1	2023.04/0041	F.D. Ovcharenko Institute of Biocolloidal Chemistry	Development of an innovative medicinal product "Coagulox_N" with antimicrobial, hemostatic, and wound-healing properties	Zatovsky Igor
2	2023.04/0051	National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"	Synthesis of diamond-containing composites by thermo-deformation laser sintering for abrasive processing of large-sized parts of aircraft, shipbuilding and mechanical engineering	Voloshko Svitlana
3	2023.04/0007	Institute for Single Crystals	Active elements of complex architecture for novel high-power laser systems	Institute for Single Crystals
4	2023.04/0078	Ukrainian state university of science and technologies	Development of technologies for components of energy-condensed materials for missiles up to 5000 km	Sukhyy Kostyantyn
5	2023.04/0146	National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"	Experimental and Analytical principles of Reliability of Dual-Purpose Aviation Technology by improving the using Technology of Aviation Fuels in accordance to ASTM and NATO standards	Boichenko Sergii
6	2023.04/0058	G.V. Kurdyumov Institute for Metal Physics NAS of Ukraine	Physico-technological foundations of the innovative metal injection moulding (MIM) powder technology of and its use for the manufacture of special-purpose aircraft engine parts from nickel and titanium alloys	Ivasishin Orest

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
7	2023.04/0026	V. Lashkaryov Institute of Semiconductor Physics NAS of Ukraine	Innovative system of multispectral mobile camouflage for radar, infrared, and visible spectrum ranges	Lytvyn Petro
8	2023.04/0128	International Research and Training Center for Information Technologies and Systems	Portable Software and Hardware System for Rapid Determination of Toxic Substances in Water Bodies Contaminated as a Result of Military Operations	Stepashko Volodymyr
9	2023.04/0094	V.M. Glushkov Institute of Cybernetics	Development of technology for objective control of functional capacities and stress of military personnel based on miniature electrocardiographs and machine learning	Chaikovsky Ilyya
10	2023.04/0020	G.E. Pukhov Institute for Modelling in Energy Engineering NAS of Ukraine	Development of methods and layout of the "DEMETRA" ARM for regular and periodic control of the functioning of cryptographic applications using statistical methods	Kovalchuk Lyudmila
11	2023.04/0055	National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"	High power LED lighting for special-purpose with cooling system based on two-phase technologies	Nikolaenko Yurii
12	2023.04/0029	Physico-technological institute of metals and alloys NAS of Ukraine	Development of designs and manufacturing technology for cast hollow metal modules for rapid construction of various types of mobile and stationary protective structures for military and civilian purposes	Shinsky Oleg
13	2023.04/0088	V. Lashkaryov Institute of semiconductor physics NAS of Ukraine	Development of laser-acoustic complex for detection of mines and other buried objects using a multi-beam laser vibrometer	Borkovska Lyudmyla
14	2023.04/0012	Lviv Polytechnic National University	Information system development for automatic detection of disinformation and chat users inauthentic behaviour sources	Vysotska Victoria

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
15	2023.04/0004	Institute for Information Recording NAS of Ukraine	Development of technology for manufacturing modulation disks of encoders using direct laser recording for motion control systems	Petrov Vyacheslav
16	2023.04/0039	National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"	Geospatial monitoring system for the war impact on the agriculture of Ukraine based on satellite data	Shelestov Andrii
17	2023.04/0027	National Aerospace University "Kharkiv Aviation Institute"	Creation of Remote Gas Detonation Deminer	Shypul Olga
18	2023.04/0083	Institute of Electron Physics	Radiation certification of materials, equipment for space and defense appointments	Maslyuk Volodymyr
19	2023.04/0001	Anatolii Pidhornyi Institute of Mechanical Engineering Problems NAS of Ukraine	Applications of thin-walled composite sandwich structures with additively manufactured honeycombs to increase the dynamical strength and decrease of unit weight of missiles and pilotless vehicle	Avramov Konstantin
20	2023.04/0160	Ivano-Frankivsk National Technical University of Oil and Gas	Improving the energy efficiency of plasma electrolytic oxidation technology for aluminum and titanium alloy parts	Ropyak Liubomyr
21	2023.04/0057	V. E. Lashkaryov Institute of Semiconductor Physics NAS of Ukraine	Portable sensor platform based on plasmon-enhanced fluorescence for explosives detection	Lopatynskyi Andrii
22	2023.04/0117	National Technical University "Kharkiv Polytechnic Institute"	Manufacturing technology of ceramic radio-transparent windows for antenna-waveguide systems of modern radio-controlled missile technology	Fedorenko Olena
23	2023.04/0105	Karpenko physico-mechanical institute NAS of Ukraine	Development of the technology of specified fragmentation of shell structures under dynamic load	Ivanytskyi Yaroslav

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
24	2023.04/0066	Frantsevich Institute for Problems of materials Science NAS of Ukraine	Development of protective coatings based on copper alloys with clad graphite additives to improve the operational characteristics of military equipment parts.	Umanskyi Oleksandr
25	2023.04/0139	Taras Shevchenko National University of Kyiv	Development and synthesis of impact-resistant armor ceramics for protection systems against gunshot and fragmentation damage	Kuryliuk Vasyl
26	2023.04/0021	Physico-Technological Institute of Metals and Alloys NAS of Ukraine	Production of armor elements for military equipment from ultralightweight steels using secondary raw materials	Smirnov Oleksiy
27	2023.04/0070	E.O. Paton Electric Welding Institute (PWI)	Development of innovative biocompatible antibacterial coatings and technology for their application to orthopedic implants for use in the treatment of injuries in military personnel and civilians	Maksymov Sergii
28	2023.04/0077	National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"	Water Sampling Drone	Rolik Oleksandr
29	2023.04/0166	E.O. Paton Electric Welding Institute NAS of Ukraine	Study of the effect of a laser beam on the materials of UAV parts and substantiation of the technical parameters of the laser equipment of the mobile complex to combat them	Bernatskyi Artemii
30	2023.04/0075	Institute of electrodynamics NAS of Ukraine	Electromechanical systems with increased energy efficiency for electric power generation, technology and transport	Mazurenko Leonid
31	2023.04/0156	Ukrainian State University of Science and Technologies	Development of the technology of using kirigami inspired structures in the deformation-thermal treatment of composite material sheets	Frolov Yaroslav

Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
32	2023.04/0157	State Research Institution «Kyiv Academic University»	High-speed matrix kinetic detector of long-wave infrared radiation	Kordyuk Alexander
33	2023.04/0153	Ivan Kozhedub Kharkiv National Air Force University	Information technology of automated segmentation of object images in targeting systems of impact FPV drones based on swarm algorithms	Khudov Hennadii
34	2023.04/0082	International Research and Training Center for Information Technologies and Systems of the NAS of Ukraine and Ministry of Education and Science of Ukraine	Modern hardware and software complex for training unmanned aerial vehicle operators	Rachkovskij Dmytro
35	2023.04/0022	G.E. Pukhov Institute for Modelling in Energy Engineering of National Academy of Sciences of Ukraine	Development of a Hardware-Software Complex and Methodology for Rapid Detection of Damages in Heating and Water Supply Systems Considering Their Wear and Tear and Military Impacts	Vladimirsky Alexander
36	2023.04/0150	Yury Fedkovich Chernivtsi National University	Development of a complex for determining the spatial position and relative power of radio radiation sources and their visualization	Samila Andrii
37	2023.04/0124	National Technical University «Kharkiv Polytechnic Institute»	Improving the tactical and technical characteristics of domestic UAVs by developing an aircraft engine with promising specific power indicators.	Marchenko Andriy
38	2023.04/0098	Zaporizhzhia Polytechnic National University	Development of practical recommendations for expanding the application of additive technologies for manufacturing parts and field repair of military equipment	Pavlenko Dmytro

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39	2023.04/0030	E.O. Paton Electric Welding Institute	Develop a technology for manufacturing power optics elements of high-power lasers based on single crystals of refractory metals	Sapovalov Viktor
40	2023.04/0145	Taras Shevchenko National University of Kyiv	Development of an innovative portable device for detecting debris in a wound, including non-radiopaque debris	Cherniak Viktor
41	2023.04/0087	National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"	Development of an AI system for intelligent analysis of textual media data and the processes of their dissemination in society to counteract psychological warfare and disinformation	Zgurovsky Michael
42	2023.04/0040	Institute of Mechanics and Automation of Agricultural Production	To develop a pattern analysis and recognition system of grain materials using machine vision	Stepanenko Serhii
43	2023.04/0096	Thermal Energy Technology Institute of the National Academy of Sciences of Ukraine	Developing the scientific and technical conditions and technical documentation for the creation of a transportable energy complex for producing the electrical and thermal energy from local fuel	Volchyn Volchyn
44	2023.04/0054	National Scientific Center "Kharkov Institute of Physics and Technology"	Development and production of sets of minimally invasive laparoscopic magnetic instruments for testing in medical institutions of Ukraine.	Velykodnyi Oleksii
45	2023.04/0116	Lviv Polytechnic National University	Modular acoustic airspace monitoring system	Kochan Roman
46	2023.04/0010	V. Ye. Lashkaryov Institute of Semiconductor Physics	Development of the technology for restoration of germanium optical elements of thermal imaging devices for the repair of armored and aviation equipment.	Tomashyk Vasyl

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47	2023.04/0131	Sumy State University	Robotic remote-controlled platform for dual-purpose applications	Dehtiarov Ivan
48	2023.04/0081	Space research institute of NAS of Ukraine and State space agency of Ukraine	Remote monitoring information technology for land cover ecological state in the occupied territories	Yailymov Bohdan
49	2023.04/0006	Institute for Scintillation Materials	Creation of an innovative wound healing agent based on nanomaterials with a wide spectrum of action for military and civilian medicine	Yefimova Svetlana
50	2023.04/0046	Frantsevich institute for problems of materials science	Novel lubricant additives from 2D nanostructures of solid solutions of transition metal dichalcogenides for modified ceramic and hybrid bearings of aviation equipment	Zgalat-Lozynskyi Ostop
51	2023.04/0016	National Science Center Kharkov Institute of Physics and Technology	Development and manufacture of portable devices based on plasma dielectric barrier discharges for wound treatment and disinfection in the field conditions	Pavlichenko Rostyslav
52	2023.04/0036	National Technical University "Kharkiv Polytechnic Institute"	Research and development of device for restoring elements of military equipment by means of discrete-continuous strengthening of structures	Tkachuk Mykola
53	2023.04/0053	International Research and Training Center for Information Technologies and Systems NAS of Ukraine and MES of Ukraine	Information technology for determining the tonality and classification of text information for information threats detection	Volosheniuk Dmytro
54	2023.04/0119	V.E. Lashkaryov Institute of Semiconductor Physics NAS of Ukraine	Automated integrated sensory system based on the phenomenon of surface plasmon resonance for express control of signs of particularly dangerous oncopathologies	Khomenkova Larysa

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55	2023.04/0158	Ukrainian Catholic University	Photometric and geometric calibration of unmanned aerial vehicle-based cameras	Hryniv Rostyslav
56	2023.04/0032	Institute of cell biology NAS of Ukraine	Construction of yeast producers of granulocyte-macrophage colony-stimulating factor (GM-CSF) activating wound healing	Dmytruk Kostyantyn
57	2023.04/0074	National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"	Precision joint for the production of elements of medical biocompatible implants	Kvasnytskyi Viktor
58	2023.04/0048	Institute of Cell Biology of NAS of Ukraine	Development of a broad-spectrum antimicrobial agent based on the extract of the leguminous plant <i>Indigofera spicata</i>	Stasyk Oleh
59	2023.04/0141	State scientific and control institute of biotechnology and strains of microorganisms	Development of a monitoring system, molecular-genetic control of <i>Bacillus anthracis</i> , and new approaches to soil and environmental remediation.	Bolotin Vitaliy
60	2023.04/0008	SI "The Filatov Institute of Eye Diseases and Tissue Therapy of NAMS of Ukraine"	Development of technology for objective instrumental diagnostics of stress-related psychological disorders	Zborovska Oleksandra
61	2023.04/0063	SHEI Ukrainian State University of Chemical Technology	Radiotransparent strontium-anorthite ceramics for products of rocket technology and elements of radio electronic systems	Oleksandr Zaichuk
62	2023.04/0143	National Aerospace University "Kharkiv Aviation Institute"	Experimental development of the on-board computer of a dual-purpose unmanned aerial vehicle	Turkin Ihor
63	2023.04/0133	Ivan Franko National University of Lviv	Development of detectors for express control of toxic substances in polluted areas	Aksimentyeva Olena
64	2023.04/0049	Kharkiv National Automobile and Highway University	Development of a set of methods and means for georadar diagnostics to assess the reliability of critical transportation infrastructure objects.	Batrakova Angelika

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65	2023.04/0047	National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”	Development of a mobile passive acoustic direction finder based on broadband infrasound sensors.	Tatarchuk Dmytro
66	2023.04/0132	Karpenko physico-mechanical institute of the NAS of Ukraine	Development of technologies to protect, increase resilience and eliminate the consequences of damage to critical and civilian infrastructure by spraying and injecting polyurethane compositions.	Sylovanyuk Viktor
67	2023.04/0092	National Science Center "Kharkov Institute of Physics and Technology"	Development of a drinking water purification and disinfection system using plasma-chemical methods to solve the problems of water supply to the civilian population in the conditions of military operations	Onishchenko Ivan
68	2023.04/0069	National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”	Innovative methods and means of rapid determination of pollutants based on hydrazine compounds entering the environment as a result of military operations and accidental spillage of rocket/ aviation fuels	Linyucheva Olga
69	2023.04/0162	Oles Honchar Dnipro National University	Autophagy micro launch vehicle prototype development	Sanin Anatolii
70	2023.04/0109	Sumy State University	Alternative treatment of experimental purulent surgical infection, including in combat trauma	Duzhyi Igor
71	2023.04/0045	Institute of Hydrobiology	Development of a unified test system for toxicity assessment and identification of the class of pollutants entering water bodies as a result of military operations.	Yuryshynets Volodymyr
72	2023.04/0140	Taras Shevchenko National University of Kyiv	Nanostructural modification of application drugs for military medical technologies	Doroshenko Iryna

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73	2023.04/0037	Ukrainian State University of Science and Technologies	Development of a technology for remelting scrap military equipment in order to preserve valuable alloying elements in the smelting of special functional steels	Proidak Yurii
74	2023.04/0148	Institute of Physics NAS Ukraine	Research and development of the latest methods and means of generating and forming high-energy laser beams in the interests of defense and post-war environmental restoration	Negriyko Anatoliy
75	2023.04/0161	Odesa Polytechnic National University	Use of AI for improvement of detection of explosive objects by multi-sensor drone-mine-detector	Antoshchuk Svitlana
76	2023.04/0097	National Transport University	Creation of a technology and a system of operational analysis and management of cement-concrete pavement condition of critical infrastructure objects based on spectral photo-informational images	Gameliak Igor
77	2023.04/0033	Institute of Electrodynamics	A device for effective protection of cyber infrastructure against cyber intelligence and cyber actions of the adversary	Yurchenko Oleg
78	2023.04/0024	Lviv Polytechnic National University	Methods and means of active and passive recognition of mines based on deep neural networks	Peleshchak Roman
79	2023.04/0101	National Technical University "Kharkiv Polytechnic Institute"	Design of the automated aiming and control systems of the gas-detonation mortar for firing smoke grenades	Liubarskyi Borys
80	2023.04/0073	National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"	Development of the concept of a multifunctional prosthetic and rehabilitation center with an innovative and educational component for patients with limb amputation	Khudetskyy Igor

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Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
1	2023.03/0101	National Science Center Kharkiv Institute of Physics and Technology	Critical issues for stellarators as fusion machines	Moiseyenko Volodymyr
2	2023.03/0120	Institute of Molecular Biology and Genetics NAS of Ukraine	Elucidation of the functional relationships between isoforms of estrogen receptor ERα and isoforms of ribosomal protein S6 kinase (S6K1) in human breast carcinoma cells	Filonenko Valeriy
3	2023.03/0149	Taras Shevchenko National University of Kyiv	Search for physics beyond the Standard Model in terrestrial	Hnatyk Bohdan
4	2023.03/0097	Bogolyubov Institute for Theoretical Physics NAS of Ukraine	Electronic and transport properties of Dirac materials and Josephson junctions	Zolotaryuk Yaroslav
5	2023.03/0132	Institute of Physics NAS of Ukraine	Manyfold - degenerated metastable states of spontaneous polarization in nanoferroics: theory, experiment and perspectives for digital nanoelectronics	Morozovska Anna
6	2023.03/0068	I. I. Schmalhausen Institute of Zoology NAS of Ukraine	Parasites and the Sixth Extinction: a study of the state of parasites communities and populations of the model groups of animals under the current crisis of biodiversity	Kuzmina Tetiana
7	2023.03/0072	Institute of Molecular Biology and Genetics NAS of Ukraine	Highly homologous paralogs of translation elongation factor 1A. Structural studies to understand functional differences	Negrutskii Boris

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8	2023.03/0169	Taras Shevchenko National University of Kyiv	Peculiarities of physical processes in the plasma of gas discharges during its interaction with the novel composite materials	Veklych Anatolii
9	2023.03/0165	Bogolyubov Institute for Theoretical Physics NAS Ukraine	Quantum correlations of electromagnetic radiation	Lev Bohdan
10	2023.03/0156	Institute of Hydrobiology of the NAS of Ukraine	Physiological - biochemical, haematological and reproductive mechanisms of adaptation of fish in conditions of long-term radionuclide contamination of water bodies	Gudkov Dmitri
11	2023.03/0041	L.V.Pisarzhevskii Institute of physical chemistry of NAS of Ukraine	New approaches to the kinetics of a heterogeneous catalytic process	Strizhak Peter
12	2023.03/0073	National Science Center "Kharkiv Institute of Physics and Technology"	Novel theoretical approaches for the in-depth description of correlated quantum many-body systems	Sotnikov Andrii
13	2023.03/0053	National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"	Scientific basis of synthesis of metal - ceramic composites based on high - entropy alloys by severe plastic deformation during explosion treatment	Loboda Petro
14	2023.03/0176	Uzhhorod national university	Strategy for the direct synthesis of functional chalcogen-halide materials for medicine and energy needs	Slivka (Slyvka) Mikhailo (Mykhailo)
15	2023.03/0035	Institute of cell biology	The new genes involved in regulation of riboflavin synthesis in the flavinogenic yeast <i>Candida famata</i> and mechanisms of their action	Fedorovych/ Fedorovich Dariya

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16	2023.03/0222	Palladin Institute of Biochemistry NAS of Ukraine	Involvement of cholecalciferol and osteocalcin signaling pathways in the functioning of the cholinergic system of the brain in experimental vitamin D3 deficiency	Veliky Mykola
17	2023.03/0059	Taras Shevchenko National University of Kyiv	Contribution to modern theory of random series	Iksanov Oleksandr
18	2023.03/0198	Vasyl Stefanyk Precarpathian National University	Analysis of the spectra of countably generated algebras of symmetric polynomials and possible applications in quantum mechanics and computer science	Zagorodnyuk Andriy
19	2023.03/0175	Institute of Molecular Biology and Genetics NAS of Ukraine	Investigation of Mycobacterium tuberculosis leucyltRNA synthetase structural features for rational drug design	Yarmoluk Sergiy
20	2023.03/0245	Institute of Molecular Biology and Genetics NAS of Ukraine	A comprehensive study of 3D model systems to elucidate the mechanisms of CH13L1 isoforms influence on glioblastoma progression	Skrypkinia Inessa
21	2023.03/0127	Frantsevich Institute for Problems in Materials Science	Silicon -compatible ferroelectric nanocomposites for electronics and sensors	Eugene Eliseev
22	2023.03/0033	Lviv Polytechnic National University	Low-dimensional structures for enhancing the luminescence quantum yield in highly efficient phosphorescent light-emitting devices	Stakhira Pavlo
23	2023.03/0093	Sumy State University	Innovative technologies of the mass consciousness manipulation: a polyparadigmatic linguistic dimension	Kobyakova Iryna

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24	2023.03/0213	Institute for Nuclear Research NAS of Ukraine	Neutrino properties and rare nuclear decays	Kobychev Vladislav
25	2023.03/0074	Taras Shevchenko National University of Kyiv	Infinitedimensional evolutionary equations with multivalued and stochastic dynamics	Kapustyan Oleksiy
26	2023.03/0174	Yuriy Fedkovich Chernivtsi National University	Development of the newest methods and systems of polarization Stokes fluorometry for laser spectralselective autofluorescent detector of wound regeneration	Dubolazov Alexander
27	2023.03/0083	V. N. Karazin Kharkiv National University	Functionalized fluorescent organogels for detection, accumulation and monitoring of radionuclides and ecotoxic metals	Roshal Oleksandr
28	2023.03/0197	National Aerospace University "Kharkiv Aviation Institute"	Multidisciplinary study of the impact of emergency situations on the infectious diseases spreading to support management decision -making in the field of population biosafety	Chumachenko Dmytro
29	2023.03/0013	Institute of Electron Physics NAS of Ukraine	Physical and chemical aspects of formation of low - dimensional structures in Ag– As –Sb –S system for functional electronics	Gomonnai Alexander
30	2023.03/0109	Taras Shevchenko National University of Kyiv	Design of composite biomaterials with special properties for medical application	Strutynska Nataliia
31	2023.03/0192	Taras Shevchenko National University of Kyiv	Theoretical foundations for harmonising the editorial practices of Ukrainian academic publishing with international standards to enable Ukraine to compete in European open science	Kharlamova Ganna

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32	2023.03/0012	B.Verkin Institute for Low Temperature Physics and Engineering NAS of Ukraine	Low-temperature quantum nanoscale effects in the thermal properties of compacted carbon materials and their composites	Krivchikov Alexander
33	2023.03/0201	Institute for Condensed Matter Physics of NAS of Ukraine	Analysis and prediction of physical properties of simple substances based on a generalized cell model of many-particle systems	Kozlovskii Mykhailo
34	2023.03/0050	Institute for Scintillation Materials NAS of Ukraine	Redox-active complexes based on oxide nanoparticles and organic biologically active molecules for non-toxic chemotherapy	Seminko Vladyslav
35	2023.03/0007	Institute of Radio Astronomy NAS of Ukraine	Thermal free-free absorption in supernova remnants at radio emission frequencies below 80 MHz	Stanislavsky Aleksander
36	2023.03/0186	V. Lashkaryov Institute of Semiconductor Physics NAS of Ukraine	Deformation engineering of the electronic structure of GeSn thin films for new generation IR optoelectronics	Yukhymchuk Volodymyr
37	2023.03/0207	I. Krypiakevych Institute of Ukrainian Studies of the NAS of Ukraine	Historical memory of Ukrainians in the conditions of war: from confrontation to consolidation	Dydyk-Meush Hanna
38	2023.03/0225	Institute of Organic Chemistry NAS of Ukraine	Flow chemistry as an advanced approach for scale up of hazardous processes	Volochnyuk Dmitriy
39	2023.03/0139	L.V. Pisarzhevsky Institute of Physical Chemistry NAS of Ukraine	Creation of new bifunctional zeolite catalysts for one - pot cascade processes of conversion of platform molecules from biomass into fuels and industrially valuable organic compounds	Shcherban Nataliya

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40	2023.03/0048	State Institution "National Scientific Center the M.D. Strazhesko Institute of Cardiology, Clinical and Regenerative Medicine of the National Academy of Medical Sciences of Ukraine"	Development of personalized criteria for assessing high cardiovascular risk based on markers of cellular senescence	Parkhomenko Oleksandr
41	2023.03/0182	National Science Center "Kharkiv Institute of Physics and Technology"	Development of personalized criteria for assessing high cardiovascular risk based on markers of cellular senescence pulse	Sotnikov Gennadiy
42	2023.03/0178	National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"	Scientific basis for the synthesis of advanced ceramic membranes using 3D printing technologies	Dontsovs Tetiana
43	2023.03/0063	Institute for Condensed Matter Physics	Frustrated quantum magnets under various external conditions	Derzhko Oleg
44	2023.03/0181	Bogomoletz Institute of Physiology NAS of Ukraine	Cross-talk between GABAARs and ASICs as a novel target for stressinduced insomnia	Krishtal Oleg
45	2023.03/0021	Institute of mathematical machines and systems problems NAS of Ukraine	Dynamics of radioactive contamination of the marine environment: research, analysis and forecasting with data assimilation	Maderych Volodymyr
46	2023.03/0252	Taras Shevchenko National University of Kyiv	Development of principles for the creation and machine-oriented characterization of porous silicon nanostructures with optimal heat transport properties	Lishchuk Pavlo
47	2023.03/0098	Ivan Franko National University of Lviv	Tomography of the Dark Ages and Cosmic Dawn in the lines of hydrogen and the first molecules as a test of cosmological models	Novosyadlyj Bohdan
48	2023.03/0250	Taras Shevchenko National University of Kyiv	Unconventional cage compounds as new advanced platform for drug discovery	Ryabukhin Sergey

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49	2023.03/0242	G. V. Kurdyumov Institute for Metal Physics NAS of Ukraine	Apatite-like structures as a promising family of superconducting materials	Karbivskyy Volodymyr
50	2023.03/0131	O.M.Beketov National University of Urban Economy in Kharkiv	Methodology for the creation of digital twins supported by artificial intelligence for the tasks of managing and monitoring the critical infrastructure of cities	Plankovskyy Sergiy
51	2023.03/0099	Institute for Condensed Matter Physics NAS of Ukraine	Criticality of complex systems: fundamental aspects and applications	Holovatch Yuriy
52	2023.03/0160	R.E. Kavetsky Institute of Experimental Pathology, Oncology and Radiobiology NAS of Ukraine	Activation of signaling cascades for the elimination of transformed B cells in chronic lymphocytic leukemia	Kovalevska Larysa
53	2023.03/0244	Taras Shevchenko National University of Kyiv	Mechanisms controlling resilience of economically important crops to viral diseases under war conditions and global warming	Mishchenko Lidiya
54	2023.03/0187	I. Krypiakevych Institute of Ukrainian Studies of the NAS of Ukraine	Between East and West: the funeral culture of Western Ukraine from the 11th to the 18th century. Interdisciplinary analysis	Hupalo Vira
55	2023.03/0188	Main Astronomical Observatory NAS of Ukraine	The Milky Way galaxies-analogues	Vavilova Iryna
56	2023.03/0036	Palladin Institute of Biochemistry National Academy of Sciences of Ukraine	Functionalised carbon -based nanomaterials obtained by "green methods" from Ukrainian agricultural waste to combat multilevel neurotoxicity induced by xenobiotic/essential transition metals and arsenic	Krisanova Natalia
57	2023.03/0243	V. P. Kukhar Institute of Bioorganic Chemistry and Petrochemistry National Academy of Sciences of Ukraine	Specific interactions and control of properties of conducting conjugated polymer nanocomposites for sensing applications	Pud Oleksandr

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58	2023.03/0104	Institute of Cell Biology of NAS of Ukraine	Molecular design, synthesis and preclinical testing of new thiazole and thiazolidine derivatives with selective action on cells of myeloproliferative neoplasms	Finiuk Nataliya
59	2023.03/0060	Taras Shevchenko National University of Kyiv	Generation and recombination of non -equilibrium charge carriers in GeSn alloys	Kondratenko Serhiy
60	2023.03/0255	National Technical University "Kharkiv Polytechnic Institute"	Vibration protection of devices, equipment, cargo and people from dynamic influences in emergency conditions based on the study of nonlinear oscillations of complex structure systems with controlled and passive elements	Mikhlin Yuriy
61	2023.03/0193	Taras Shevchenko National University of Kyiv	Scientific principles of creating percolation polymer metamaterials with negative permittivity and magnetic permeability	Matzui Ludmila
62	2023.03/0002	Institute of Mathematics, NAS of Ukraine	Pseudo - Differential Equations over Non - Archimedean Fields	Kochubei Anatoly

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Nº	Application ID	Institution/organisation (grantee)	Project title	Project PI
1	2022.02/0004	National Science Center Kharkiv Institute of Physics and Technology (KIPT)	Investigation of the possibility of using bent crystals to deflect charged particles at electron-positron colliders	Kyryllin Igor
2	2022.02/0048	Luhansk State University of Internal Affairs named after Eduard Didorenko	Rationalization of Combating Crime in Ukraine	Karchevskyi Mykola
3	2022.02/0046	Luhansk State University of Internal Affairs named after Eduard Didorenko	Criminal Policy of Ukraine under the Influence of Factors of Military Nature and Its Reflection in Expert Opinion	Pysmenskyi Yevhen
4	2022.02/0022	National Science Center Kharkiv Institute of Physics and Technology (KIPT)	Simulation of high - frequency plasma heating in the Joint European Torus nuclear fusion facility (Great Britain)	Grekov Dmytro
5	2022.02/0052	O.I. Ahiyezer Institute for Theoretical Physics	Dual Models of Kerr black holes in flat and curved spacetimes	Nurmagambetov Oleksiy
6	2022.02/0054	National Aerospace University "Kharkiv Aviation Institute"	Theory development for designing autonomous and nonautonomous helicopter systems of surface elevation measurements for safe landing in different weather conditions	Zhyla Semen
7	2022.02/0062	National University "Odesa Law Academy"	Legislative reform of agricultural support as a guarantee of food security in Ukraine in war and post-war conditions	Hryhorieva Khrystyna

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8	2022.02/0007	Kherson State University	Resistance of epiphytic lichen communities in old - growth and primeval forests of the Ukrainian Carpathians to global climate changes and regional management	Khodosovtsev Olexander
9	2022.02/0036	National Science Center Kharkiv Institute of Physics and Technology (KIPT)	Investigation of high - frequency discharges for wall conditioning of toroidal fusion devices	Kovtun Yuri
10	2022.02/0008	National Aerospace University "Kharkiv Aviation Institute"	Analysis of the strength of high-power Turbogenerator assembly units to ensure their reliable operation under the influence of supercritical loads to ensure the energy security of Ukraine during martial law	Tretiak Oleksii
11	2022.02/0045	V. N. Karazin Kharkiv National University	Social Effects and Challenges of Distance Learning in the Higher Education of Ukraine: from COVID-19 to the War	Boiko Dmytro
12	2022.02/0001	Berdyansk State Pedagogical University	Design and Research of Oxide Heterostructures for Portable Solar Cells	Suchikova Yana