



MINISTRY
OF EDUCATION
AND SCIENCE
OF UKRAINE

FUNCTIONING OF THE SPHERE OF SCIENTIFIC AND SCIENTIFIC-TECHNICAL ACTIVITIES OF UKRAINE UNDER THE CONDITIONS OF MARTIAL STATE AND THE PLAN FOR RESTORATION OF EDUCATION AND SCIENCE

The 2nd Conference on the Ukraine crisis: One year of war in Ukraine, exploring the impact on the science sector and supporting initiatives, 20 March 2023

DESTRUCTION AND DAMAGE OF RESEARCH AND INNOVATIVE INFRASTRUCTURE, LOSS OF SCIENTIFIC POTENTIAL



116 partially damaged

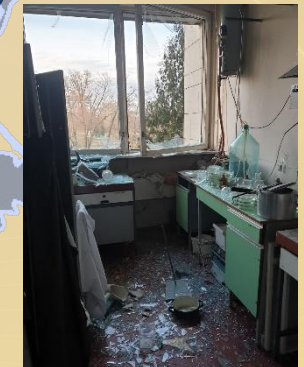
4 destroyed

No information about **11**, as they are located in temporarily occupied territory



Almost **8%** of scientific employees and **10.5%** of scientific and pedagogical employees changed their place of residence and moved to other regions of Ukraine

About **5%** of scientific employees and **8%** of scientific and pedagogical employees who work in higher education institutions left the territory of Ukraine and went to other countries



*as of February 21, 2023



Info Science Bot

5,000 active users are registered

«Science and Business» platform:

771 users, of which 736 are scientists and 35 are entrepreneurs.

Received 94 proposals for the implementation of scientific research and 29 for cooperation.

«Online Mentor Science&Business» –

A structured program with daily lectures, learning materials and practical tasks designed to work out a new idea and prepare it for acceleration.

About 200 participants registered and 152 participants joined the initiative.





INFORMATION SUPPORT FOR THE IMPLEMENTATION OF SCIENTIFIC, SCIENTIFIC-TECHNICAL AND INNOVATIVE ACTIVITIES

The electronic system of registration of research and development works, and dissertations with remote access (<https://nddkr.ukrintei.ua> , <https://okd.ukrintei.ua>).



The **Research4Life** portal contains more than **120,000** books, about **40,000** journals, and dozens of databases.

More than **500** Ukrainian institutions registered on the portal got the opportunity to set up access for their employees.

The **Clarivate** company has maintained access for Ukrainian institutions to the **Web of Science** and **Derwent Innovation** databases.

Elsevier has provided access to the full-text resources of the **ScienceDirect** database and a range of medical resources (ClinicalKey, Complete Anatomy, Embase, Osmosis).



LEGISLATIVE BASE OF SCIENTIFIC, SCIENTIFIC-TECHNICAL AND INNOVATIVE ACTIVITIES

Resolution of the Cabinet of Ministers of Ukraine dated May 13, 2022 No. 599 «Pro making changes to some resolutions of the Cabinet of Ministers of Ukraine regarding the regulation of academic mobility issues»

Guarantees of compliance with the right to safe education of students who have been forced to leave their place of permanent residence and are in safer regions of Ukraine or abroad have been approved, which will facilitate their return after the end or termination of martial law, as well as the right to safe working conditions of scientific and scientific-pedagogical employees by ensuring the preservation of the position at the main place of work for up to two years.

The conditions for the formation and functioning of Centers for the collective use of scientific equipment as centers for providing access to scientific equipment (including tools, devices, and inventory) for conducting scientific research and scientific and technical (experimental) development by subjects of scientific, scientific, technical and innovative activity.

Resolution of the Cabinet of Ministers of Ukraine dated June 21, 2022 No. 703 «Some issues of centers for the collective use of scientific equipment»

LEGISLATIVE BASE OF SCIENTIFIC, SCIENTIFIC-TECHNICAL AND INNOVATIVE ACTIVITIES

Resolution of the Cabinet of Ministers of Ukraine dated November 4, 2022 No. 1296 «On approval of the Procedure for importation into the customs territory of Ukraine under the customs regime of import and targeted use by state scientific institutions, state institutions of higher education of goods specified in clause 21 of the first part of article 282 of the Customs Code of Ukraine, which are exempt from customs taxation, as well as operations for the importation of which into the customs territory of Ukraine are exempted from taxation with value added tax»

A transparent mechanism for the import of scientific instruments, equipment, spare parts and consumables for them, reagents, samples, and scientific literature into the customs territory of Ukraine with exemption from import duty and value-added tax has been defined, which will contribute to the restoration of research infrastructure and increase the material support of scientific and scientific and technical activities of state-owned scientific institutions and institutions of higher education at the expense of funds exempted from taxes and customs payments.

INTEGRATION INTO THE EUROPEAN RESEARCH AREA



Horizon 2020:

Ukrainian representatives submitted more than **2,800** proposals to tenders and received **45.75 million** euros for the implementation of **228** grants.

Horizon Europe:

October 12, 2021 - signing of the Agreement between Ukraine, on the one hand, and the European Union and the European Atomic Energy Community, on the other, on Ukraine's participation in the Framework Program for Research and Innovation «Horizon Europe» and the Research and Training Program of the European Community on atomic energy (2021 - 2025), complementary to the Framework Program for Research and Innovation «Horizon Europe».

On May 3, 2022, the Verkhovna Rada of Ukraine adopted the Law of Ukraine on the ratification of the above Agreement.

In June, after the exchange of official notes, Ukraine received the status of an associated country in the Horizon Europe program.



INTEGRATION INTO THE EUROPEAN RESEARCH AREA

In 2022, Ukrainian organizations started implementing **35** projects in programs with a total implementation budget of more than **9 million** euros. The start of **11** more projects has been approved for the beginning of 2023 with a budget of more than **3 million** euros. Ukrainian organizations continue to implement **105** projects within the framework of the Horizon 2020 program. The EU initiated separate programs to support Ukrainian scientists and innovators within the Horizon Europe program and canceled contributions for Ukraine's participation in the programs for 2021-2022.

The total EU aid budget for the field of science and innovation amounted to about **70 million** euros.

Support of scientific activity by the European Union:

- The **ERA4Ukraine** portal to provide information and support services to Ukrainian scientists who are forced to go abroad due to the war
- Cooperation with the EURAXESS network, which supports scientists from more than 600 research centers and contains 43 national portals in EU member states and countries
- The **Science4Refugees** initiative, which provides the opportunity to find internships and jobs for scientists in part-time and full-time modes
- The initiative to support Ukrainian scientists **«Horizon4Ukraine»**, which is aimed at attracting Ukrainian researchers and specialists to projects that are already being implemented within the framework of the European research and innovation program «Horizon Europe»
- Initiatives within the framework of certain areas of the «Horizon Europe» program
- Support of Ukrainian technology startups by the **European Innovation Council (EIC)**
- Establishment of the **«Horizon Europe» Program Office in Ukraine**

ENSURING THE DEVELOPMENT OF INTERNATIONAL SCIENTIFIC AND SCIENTIFIC-TECHNICAL ACTIVITIES



In 2022, **79** agreements on the financing of joint research projects were concluded for a total amount of UAH 9,950.2 thousand

6 Ukrainian-Latvian projects for a total of 611.1 thousand hryvnias

12 Ukrainian-Lithuanian projects for a total amount of UAH 1,440.0 thousand

10 Ukrainian-Slovak projects for a total amount of UAH 1,200.0 thousand

10 Ukrainian-Czech projects for a total amount of UAH 1,200.0 thousand

12 Ukrainian-French projects for the total amount of UAH 1,440.0 thousand

10 Ukrainian-Austrian projects for a total of UAH 1,200.0 thousand

4 Ukrainian-American projects for a total of UAH 639.1 thousand

15 Ukrainian-Chinese projects for a total amount of UAH 2100.0 thousand

Competitions for joint Ukrainian-Latvian, Ukrainian-Austrian, and Ukrainian-Israeli research projects for implementation in **2023-2024** were also held.

List of OECD guidelines

- Oslo Manual 2018
- Frascati Manual 2015
- OECD Patent Statistics Manual

Decree of the Cabinet of Ministers of Ukraine dated October 8, 2022 No. 892-r «On approval of the national plan for open science» approves the National Plan for Open Science, which provides for a comprehensive update of the legislation on scientific and technical information, updating systems for evaluating (attestation) results of scientific and scientific and technical activity, creation of a system of preservation and exchange of scientific data.

PLAN FOR THE RECOVERY OF UKRAINE, IN THE DIRECTION OF «SCIENCE AND INNOVATION»



Directions for restoration and development of the scientific sphere

- **Restoration and modernization** of the network of **research and innovative infrastructure**

Restoration of state financial support for scientific research, primarily those aimed at the recovery of Ukraine and its economy, ensuring defense capability and sustainable development, implementation of a multi-channel target system of funding science with a gradual increase in the scientific content of GDP

- Expanding access opportunities for Ukrainian scientists and innovators to **non-budgetary sources of funding**, including tools of international programs to support science and innovation

Creation of appropriate conditions for scientists and innovators to carry out scientific, scientific-technical, and innovative activities, as well as for the **return of scientists and innovators** who were forced to leave the country

- **Ensuring technology transfer and commercialization of scientific results**

Creation of conditions for the development of an innovative ecosystem, a **combination of scientific and industrial potential**

- **Further integration into the European and global research space**



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**Thank you for your
attention!**