

STRATEGY

of the State Scientific Institution "Institute of Educational Analytics" activities for the period of martial law

The strategy of the State Scientific Institution "Institute of Educational Analytics" during the period of martial law (hereinafter – Strategy) is based on conceptual normative legal acts regulating the activities of scientific institutions, among which are the Laws of Ukraine "On Scientific and Scientific-Technical Activities", "On education", relevant legislation adopted during the war and other laws and regulations.

In connection with the military armed aggression of the Russian Federation (hereinafter – Russia) against Ukraine and the imposition of martial law on the territory of Ukraine for the period of military hostilities according to the Law of Ukraine "On approval of the Decree of the President of Ukraine "On the imposition of the martial law in Ukraine" as of 24.02.2022 № 2102-IX, the State Scientific Institution "Institute of Educational Analytics" (hereinafter – Institute) is guided in its activities by the above-mentioned legislation.

The functioning of the Ukrainian education system in the new realities of war presents the Institute with new challenges in the performance of its statutory functions and powers.

In the conditions of martial law, active military operations, and the presence of temporarily occupied territories, educational managers face the difficult task of finding new approaches to ensuring the quality and accessibility of education in Ukraine and abroad (for displaced persons). This calls for the development of new approaches to the collection of representative educational statistical indicators that accurately reflect educational processes during martial law. The ultimate goal is to establish a system of continuous monitoring of educational processes throughout Ukraine (particularly in the temporarily occupied territories, territories in which active hostilities are taking place and outside the country). It is equally difficult to ensure the reliability of statistical and administrative data on education, compounded by military risks and threats to the lives of educators.

The creation of channels for the collection and processing of reliable data on the state of development of the Ukrainian education system will enable the Institute to obtain high-quality management information and, on its basis, educational analytics for the Ministry of Education and Science of Ukraine (hereinafter – MES) managers, support decision-making at all levels of education management in the difficult conditions of Russian armed aggression against Ukraine.

The Strategy defines the priority directions of activity and development of the Institute, the main tasks and ways of their implementation during the period of martial law.

STRATEGIC DIRECTIONS OF THE INSTITUTE'S ACTIVITIES FOR THE PERIOD OF MARTIAL LAW

The aim of the Institute is to create a system of reliable educational statistics and administrative management information and on this basis the development of educational analytics to ensure effective management decisions in education by the MES and other central authorities of Ukraine during the period of martial law.

The main priority areas during the period of martial law are:

- development and implementation of measures within the use of information and analytical systems SHC "AICOM" (software and hardware complex "Automated information complex of educational management") and AS "IRC" (automotive system of inclusive resource centres), aimed at the formation of a reliable system of educational statistics, administrative information, reporting in the field of preschool, general secondary, out-of-school and vocational education; improvement of the necessary legal and regulatory framework, in particular concerning harmonization with EU standards, taking into account the challenges posed by the war;

- carrying out analytical support of the MES on assessment of military risks, realization of scientific-organizational and scientific-methodological substantiation of management decisions of the MES within certain powers to mitigate risks arising from military actions;

- establishment, introduction and technical support of the latest information tools and technologies ensuring the stability of national information systems, creation of databases and ensuring the protection and storage of information under turbulent conditions of martial law;

- substantiation of proposals within the defined powers aimed at maintaining the continuity of the educational process in conditions of active hostilities, in particular through the widespread use of digital technologies.

STRATEGIC OBJECTIVES FOR THE PERIOD OF MARTIAL LAW

The strategic goals of the Institute for the duration of the military activities:

- revision of a set of indicators, identification of new ways of obtaining educational information and, ultimately, the establishment of an integrated system of statistics and administrative information of the military period on preschool, general secondary, out-of-school and vocational education; maintenance of this system in order to provide reliable information and analytical support for the MES activities, provide the necessary statistical data to the central executive authorities. This includes gathering information on the state of destruction and damage to educational facilities, information on the availability of staff in educational institutions, information on the access of students to educational services, etc.;

- refinement and improvement of the management of educational information and analytical systems in the conditions of martial law (ensuring functionality, inter alia, through the use of cloud technologies), taking into account the needs of central and regional authorities making managerial decisions in the field education, educational institutions and all stakeholders who need up-to-date educational

information on the state of all segments of the education system. Information support for education managers, participants of the educational process in the territories that have been destroyed, and the territories of temporary occupation;

- finding new ways of obtaining educational information and establishing a system of periodic monitoring of the state of the education system in wartime using ICT and tools of information systems, of which the Institute is the administrator;

- development of scientific tools of educational analytics in terms of providing analysis of the state of the Ukrainian education system during the war, which will substantiate practical recommendations for the adoption of sound managerial decisions in the field of education;

- search for international partners to carry out important information tasks and successfully implement existing international projects in the field of education under martial law; seeking and expanding the range of international projects aimed at increasing the institutional and financial capacity of the Institute, given the need to save budget funds;

- implementation of measures aimed at further strengthening and developing the professional potential of the Institute's staff, creating a safe environment for work, and providing the necessary social and living conditions for employees.

STRATEGIC OBJECTIVE ACHIEVEMENT TOOL

I. Implementation of scientific activities, which include:

- formation of partnership relations with the MES departments for discussion and solution of topical issues requiring scientific study in the conditions of war. Research activities in 2022 will be carried out by taking into account the challenges caused by Russian armed aggression against Ukraine, which is relevant for the MES. Scientific subjects and content of R&D will be constantly discussed and developed through joint work with departments of the MES. The results of scientific research, summaries and recommendations will be used by the Directorates and will be included in the practical work of the MES for the implementation of state policy in the field of education throughout the military period;

- creation of questionnaires and other information-gathering instruments (previously agreed with the MES), conducting periodic monitoring concerning the functioning of the Ukrainian education system, including the destruction of educational infrastructure during the period of martial law, caused by Russian military aggression;

- creation of a platform on the basis of the Institute to discuss the consequences of the war on the education system of Ukraine between professional researchers and ways of solving actual problems, including by publishing articles in the scientific journal "Educational Analytics of Ukraine"; posting materials on the Institute's website, participation in domestic and international conferences; publication of scientific articles in authoritative international publications devoted to the problems of the educational sphere of Ukraine caused by the war and the actual genocide of the Ukrainian nation;

- participation in the drafting of normative acts in the field of education within the framework of authority, in cooperation with the MES and the Verkhovna Rada Committee on Science and Education.

II. Improvement of the professional level of scientific personnel through:

- establishment of a creative environment at the Institute for personal development of personnel (seminars, exchange of experience, round tables, etc.), the scientific exchange of specialists with leading relevant scientific institutions, including representatives from EU member states;

- elaboration and implementation of measures to improve ICT competencies and English language skills, aimed at faster and efficient use of the regulatory framework, standards and methodological approaches of the EU and/or some of the EU member states;

- invitation of famous scientists with lectures and master classes (online) on the development of new tools of scientific research in the educational sphere, in particular on the exploration of effective information and telecommunication technologies for the collection, transfer, processing, storage and dissemination of educational information in extreme (military, post-war, etc.) conditions.

III. Modernization of material and technical support of research work through:

- strengthening control over the rational use of budgetary funds, ensuring the economy of financial, logistical and energy resources for the entire military period of operation of the Institute;

- expansion of the Institute's sources of funding, in particular through increased staff participation in international and domestic projects;

- development of material and technical base and provision of the necessary hygienic and safe working conditions for employees under martial law.

IV. Development of international scientific cooperation:

- effective participation of the Institute's staff in international projects, primarily with the EU and/or its member countries, attracting additional funds from grant sources to the Institute, which are used to supplement the income of successful scientists;

- multilateral support for the identification and development of the Institute's international projects, especially with the EU and/or its member states;

- increased number of publications in foreign editions submitted to the leading international scientometric databases (Scopus, Web of Science, etc.), devoted to the problems of overcoming the consequences of the armed aggression of Russia against Ukraine.

V. Development of digital technologies and information systems of the Institute:

- ensuring a more in-depth digitalization of statistics and analytics of education and ICT in the context of Russian military aggression against Ukraine by simplifying the algorithms of submission, processing, improving the reliability of preservation,

optimization of content, general debureaucratization of the reporting process of educational institutions and departments;

- providing regular surveys and data collection in other formats, including the use of digital tools to quickly examine the situation and needs of participants in the educational process under military and post-war conditions;

- ensuring permanent cooperation with the Directorate of Digital Transformation of the Ministry of Education and Science of Ukraine and the Ministry of Digital Transformation of Ukraine to support the development of national educational information systems of the MES, administered by the Institute (SHC "AICOM", AS "IRC");

- countering cyber threats and strengthening the protection of information stored in the Institute databases during the war;

- organization of uninterrupted operation of the SHC "AICOM" and AS "IRC" in the conditions of armed aggression of Russia against Ukraine (including the use of the replica system architecture in a cloud environment resistant to infrastructural exogenous risks);

- establishing continuous cooperation with Microsoft and Google on the deployment of arrays of free licenses for participants of the educational process and in other areas;

- provision of interaction settings between SHC "AICOM" and the Unified State Electronic Database on Education (EDEBO) using the bilateral API protocol.

RESOURCE SUPPORT OF THE STRATEGY

State budget funds are the resources to support the Institute's strategy during the period of martial law (i.e., budget programs 2201170 "Implementation of methodological, analytical and material-technical support of educational institutions" and 2201040 "Scientific and scientific-technical activities of higher education institutions and research institutions"), grant assistance from international organizations, the provision of vacant premises of the property complex, other financial and material resources, the receipt of which is provided by the norms of the current legislation of Ukraine.

MONITORING THE IMPLEMENTATION OF THE STRATEGY

Weekly and monthly plans and reports of the Institute's structural units, real-time monitoring of the MES operational plan for 2022, and MES work plan for the current, the short- and medium-term period are a tool for monitoring the implementation of the development strategy in the conditions of Russian military aggression and other policy documents of the MES.

RESULTS OF THE STRATEGY IMPLEMENTATION

The implementation of the Strategy will make it possible to develop and maintain a system of flexible and reliable statistics, administrative and analytical information in the sphere of preschool, general secondary, out-of-school and

vocational education under martial law for the purpose of informational and analytical support of the MES and provision of reliable consolidated statistics to the central executive authorities.

The Institute within the competence, on the basis of the collected information, will provide a systematic assessment of the challenges and risks faced by the Ukrainian education system through military actions (in particular, large-scale destruction and damage to educational institutions, the genocide of teachers in the temporarily occupied territories), etc. Educational analytical studies will be carried out, proposals will be formulated to substantiate measures to mitigate these risks and support management decisions of the MES in the context of Russian military aggression against Ukraine.