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# THE EU COHESION POLICY AND HEALTHY NATIONAL DEVELOPMENT: MANAGEMENT AND PROMOTION IN UKRAINE

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**THE EU COHESION POLICY AND  
HEALTHY NATIONAL  
DEVELOPMENT: MANAGEMENT AND  
PROMOTION IN UKRAINE**

**Monograph**

Edited by Nataliia Letunovska, Liudmyla Saher, Anna Rosokhata

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The monograph focused on the specifics of the principles of the  
EU Cohesion Policy implementation. The authors conducted an analysis of the  
economic, ecological and social aspects of the integration of the EU experience  
into the state policy of Ukraine. The monograph summarizes approaches to the  
restoration of the country and healthy development. Particular attention is paid  
to the issues of health care system management, the trends and prospects of  
achieving the state of resilience of the medical and social provision system of  
the population in the context of the impact of COVID-19 on the national  
economy. The experience of using marketing and innovative technologies in the  
context of healthy national development is summarized.

The monograph is generally intended for government officials,  
entrepreneurs, researchers, graduate students, students of economic, medical,  
and other specialties.

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## Contents

<b>Introduction</b> .....	8
<b>Chapter 1 EU COHESION POLICY AND NATIONAL DEVELOPMENT REFORMS OF UKRAINE: COMMON VECTORS OF DEVELOPMENT</b> .....	16
1.1. Conceptual foundations of EU cohesion policy formation: lessons for Ukraine .....	16
1.2. The economic issues of the European integration of Ukraine to joining the European Union .....	40
1.3. Ukraine and the EU energy sector integration: smart grid road map s standards for implementation in Ukraine .....	49
1.4. Conceptual basis for improving the methodology of environmental audit in the context of European integration .....	59
1.5. State regulation of innovative development of the region's agriculture .....	79
1.6. Conceptual findings about the nature of strategic transformations of enterprises in the utility sphere: regional aspect .....	88
1.7. Cooperation of Ukraine with European transformation-oriented banks in the context of Ukraine's integration into the European Union .....	98
<b>References to Chapter 1</b> .....	108
<b>Chapter 2 ECONOMIC AND SOCIAL ASPECTS OF UKRAINE'S INTEGRATION INTO THE EU</b> .....	116
2.1. Status and prospects of socially responsible business development as a component of Ukraine's integration into the European Union.....	116
2.2. Current problems of the development of the tourism industry and the influence of state policy in the current crisis conditions .....	135

2.3. Bioeconomy development perspective in Ukraine on the basis of clustering: EU experience implementation .....	155
2.4. Environmental security of Ukraine: integrative aspect.....	168
2.5. Green business strategy in the European integration context	178
2.6. Waste recycling system: European experience and its implementation in Ukraine .....	185
2.7. The innovation and investment resource for sustainable development .....	198
2.8. Smart grid in Ukrainian energy system.....	206
2.9. Green IoT for energy efficiency and environmental sustainability .....	216
2.10. GR GSCM: effect of procurement sustainability on reverse logistics.....	224
2.11. Environmental basics of sustainability in tourism and hospitality.....	234
2.12. The importance of environmental competence enhancement in achieving the sustainable development goals .....	270
2.13. Harmonization of the education services market of EU countries and Ukraine .....	280
2.14. Integration of Ukraine into the EU: formation of professional stability of police officers in the system of social maturity.....	305
2.15. Socio-political aspects of internal migration and its influence on the political processes of the Post-Soviet era as obstacles on the way of Ukraine's integration to the EU and NATO .....	320
2.16. Administrative and legal regulation of information resources in the field of social protection of the population .....	333
<b>References to Chapter 2 .....</b>	<b>343</b>
<b>Chapter 3 COHESION IN WARTIME CONDITIONS AS A COMPONENT OF NATIONAL POLICY .....</b>	<b>369</b>
3.1. Impact of full-scale war on changes in the format of Ukraine's cooperation with the European Union .....	369

3.2. Impact of Russian full-scale invasion into Ukraine on international food security .....	378
3.3. Solidarity in wartime as a component of national policy .....	388
3.4. Assessment of the damage of the Russian-Ukrainian war ....	396
and the landscape of post-economic recovery .....	396
3.5. Provision of social protection for persons with disabilities affected by the War in Ukraine: a critical analysis .....	407
3.6. The role of CSR practices in forming the cohesion of territorial communities in the conditions of war: European integration aspect	417
3.7. The role of the teacher in forming a healthy lifestyle in future doctors in the conditions of war .....	428
<b>References to Chapter 3</b> .....	439
<b>Chapter 4 MANAGEMENT OF THE HEALTH CARE SYSTEM IN UKRAINE AND EU COUNTRIES</b> .....	454
4.1. European experience of public management of the health care system .....	454
4.2. The evolution of national development: from the concept of endogenous growth to a health-oriented economy in the context of the COVID-19 pandemic .....	464
4.3. Formation of competitiveness of medical institutions on the basis of partnership.....	473
4.4. Formation and implementation of the development strategy of Ukraine's health care institutions in the challenges and threats conditions of the XXI century: directions of increase in efficiency	487
4.5. Improvement of the quality management system of.....	512
medical services (on the example of the municipal non-profit enterprise "Consultative and diagnostic center" of Holosiivskyi district of Kyiv).....	512
4.6. Chronic inflammatory processes of the maternal genitourinary system, its role in cardiovascular diseases development in their	

children: Ukrainian and European experience of prevention as the key to the health of future generations .....	521
4.7. Urogenital inflammatory diseases in women of reproductive age as a cause of an unhealthy start of children's life: Ukrainian and European research .....	528
4.8. The impact of COVID-19 on the national economy: trends and prospects for achieving the state of resilience of the medical and social welfare system of the population .....	534
4.9. Prospects for the implementation of investment projects in the field of health care in Ukraine .....	539
4.10. Impact of the COVID-19 pandemic on public health financing in Ukraine .....	551
<b>Chapter 5 THE ROLE OF MARKETING AND TECHNOLOGY IN HEALTHY DEVELOPMENT: EUROPEAN AND UKRAINIAN EXPERIENCE .....</b>	<b>580</b>
5.1. Formation of Ukraine's brand in the context of integration into the EU: current realities .....	580
5.2. The key role of future marketing professionals in environmental safety ensuring at the European region.....	592
5.3. Opportunities for applying neuromarketing research and artificial intelligence tools to promote a healthy lifestyle in Ukraine .....	609
5.4. The impact of artificial intelligence tools in the management of human resource behaviour on the outcome of decision-making by economic agents in the digital space.....	617
5.5. Ukrainian electronic commerce: current trends and development prospects in the conditions of Ukraine's integration into the EU digital single market .....	624
<b>References to Chapter 5 .....</b>	<b>635</b>
<b>Conclusions .....</b>	<b>644</b>

### Chapter 3

## COHESION IN WARTIME CONDITIONS AS A COMPONENT OF NATIONAL POLICY

### 3.1. Impact of full-scale war on changes in the format of Ukraine's cooperation with the European Union

The relevance of the research is determined by the current deep transformation of economic cooperation between Ukraine and the EU under the influence of a full-scale Russian invasion of Ukraine in 2022 and the need to study the prospects for cooperation between Ukraine and the EU in the future, the main ways of EU aid and the plan for the reconstruction of Ukraine in the post-war period.

The purpose of the research is to identify transformational changes in the economic cooperation of Ukraine with the EU under the influence of the full-scale war in Ukraine and to determine the directions and prospects of such cooperation in the post-war period.

Since 2014, Ukraine has actively moved towards European integration by signing the Association Agreement with the European Union. Over the past eight years, Ukraine has implemented several European integration reforms and has come much closer to the EU acquis, despite the state of war Ukraine has been in all this time, which has weakened the state's ability to implement reforms.

According to the EU, the most important reform in Ukraine is the reform of the legal system. The most important are the fight against corruption and economic reforms. The legal basis for cooperation between Ukraine and the EU in the field of science and research is the Association Agreement between Ukraine on the one hand and the European Union, the European Atomic Energy Community and their member states on the other, the Agreement between Ukraine and the European Community on scientific and technical cooperation and a number of bilateral agreements.

As of January 1, 2014, the EU allocated 80,000 million euros for the development of science over the next 7 years. Ukrainians can get money for research, but first they need to learn how to find partners among the program participants. Ukraine should be part of the European Research Area. Within the framework of the agreement, conditions for comfortable work at home will be

created for scientists, as well as joint developments of Ukraine and the EU in the space industry.

The Joint Committee on Scientific and Technical Cooperation between Ukraine and the EU is responsible for monitoring the implementation of the Agreement and coordinating the next steps aimed at strengthening cooperation in this area.

Since 2014, Ukrainian institutions and organizations have submitted a total of more than 2,500 project proposals to EU tenders. According to the results of these competitions, Ukrainian participants received 220 scholarships for a total amount of almost 44 million euros. Since 2016, Ukraine has been an associate member of the Research and Training Program of the European Atomic Energy Community (EURATOM). The agreement, in particular, provides for the possibility of supporting research and cooperation in the field of nuclear fission and fusion, as well as cooperation with the Joint Research Center of the EC in the field of nuclear research. In 2018, the EU allocated 150,000 euros for the development of the relevant Ukrainian National Contact Point (UAINEURATOM). This project will contribute to the participation of Ukrainian researchers in EURATOM programs, strengthening their cooperation with European colleagues and popularizing both EURATOM in Ukraine and national scientific research in the EU.

In general, Ukraine's participation in the scientific and educational program is a good example of successful cooperation with the EU in the scientific field. According to rough calculations, we receive three times more grants than contributions. The estimated total volume of financing of Ukrainian institutions under EU programs already amounts to more than 4,7 million euros.

The participation of Ukrainian scientific institutions in European nuclear projects contributes to the implementation by our country of EU nuclear safety standards and relevant best practices.

Within the framework of the implementation of the provisions of the Association Agreement on the expansion of cooperation between Ukraine and the European Union in the space sphere, special attention is paid to active interaction with the European Commission, the European Space Agency (ESA), space organizations, the involvement of EU member states and Ukraine in the GALILEO-EGNOS programs (European Global Navigation Satellite System), COPERNICUS (Global Observation in the Interests of Security and Environmental Protection) and creating conditions for the development of Ukraine, which has the prospect of becoming a member of the European Space Agency in the future.

In 2018, an agreement was signed between DCAU and the European Commission on cooperation in data collection and use of Sentinel satellites as part of the European “Copernicus” program, which gives us access to European space data. These images can be used to monitor Ukraine's economy, agriculture, ecology, and emergency preparedness (Scientific cooperation between Ukraine and the EU).

EU aid should be understood in a broader sense than direct financial aid. Thanks to the implementation of a highly intensive political dialogue, national companies got the opportunity to participate in various EU programs aimed at the development of entrepreneurship and the promotion of innovative development.

A separate area of cooperation between Ukraine and the EU has become technical and financial assistance and, especially, macro-financial assistance (Fig. 3.1).

Horizon-2020	• The largest program of the European Union aimed at financing research and innovative development.
COSME	• One of the key programs of the European Union with a budget of 2,3 billion euros, aimed at creating favorable conditions for the development of small and medium-sized businesses.
Creative Europe	• It is aimed at supporting the cultural and creative sectors of Europe.

Figure 3.1 – EU programs, technical, financial and macro-financial assistance of the EU

Source: compiled by the authors based on data (EU assistance)

According to the results of 2020, the EU remains the largest trading partner of Ukraine with a share of 40,7% (40,1% in 2019). According to the State Statistics Service of Ukraine, the volume of trade in goods and services with the EU decreased by 9% compared to 2019 and amounted to 48,1 billion dollars, USA. During this period, the volume of exports of goods and services to the EU decreased by 9,4% and amounted to 21,9 billion US dollars. Import of goods and services from the EU decreased by 8,7% and amounted to 26,3 billion dollars USA. According to the results of 2020, the balance of trade with the EU remained negative for Ukraine, but decreased to – 4,4 billion US dollars (the balance in 2019 was – 4,6 billion US dollars).

The volume of trade between Ukraine and the EU in 2020 amounted to 42,1 billion US dollars, which is 8,1% less than in 2019. At the same time, the export of goods to EU countries decreased by 10,3% and amounted to 18,6%.

billion dollars USA. Imports of goods decreased by 6,2% to 23,5 billion dollars USA.

The volume of trade in services between Ukraine and the EU in 2020 amounted to 7,1 billion US dollars, which is 14% less than in 2019. Export of services to the EU decreased by 4,8% and amounted to 4,3 billion dollars USA. Import of services from the EU decreased by 25% and amounted to USD 2,8 billion USA.

The free trade zone between Ukraine and the EU plays a central role in this area of cooperation. The benefit of the FTA for Ukraine is that Ukraine will get even better access to the large EU market and to the markets of third countries, lower import duty rates for Ukrainian goods, access to public procurement in EU countries, lower prices and a higher standard of living (Ukraine and the European union: basics of cooperation).

Ukraine and the European Union discussed priorities for revitalizing business, promoting entrepreneurship and strengthening cooperation in the field of tourism in wartime conditions.

Ukraine confirmed its readiness to continue work within the framework of the updated partnership plan for 2023-2024 of the Memorandum on strategic partnership in the raw materials sector.

According to the agreement between Ukraine and the EU, the meeting of the subcommittee on issues of economic and other sectoral cooperation takes place according to the cluster principle with an emphasis on key issues that are planned to be discussed by the subcommittee (Stimulation of entrepreneurial activity).

The large volume of Ukrainian export to the EU (in 2022, the total value was 24,1 billion euros) and the logistical problems associated with the attack prompted Ukraine and the EU to look for ways to further regulate the movement of goods. Among them, it is worth highlighting the liberalization of road transport, which was agreed in June 2022 (How a full-scale war changed...).

Ukraine attaches great importance to the development of cooperation with the EU, considering the possibilities of promoting the national tourist product on the European market, participation in the information space, the best experience of organizing tourist activities in our country. After all, according to its tourist and recreational potential, Ukraine has every opportunity to become one of the leading tourist centers in Europe.

Specific and systematic activities related to the development of international tourist relations in Ukraine are an effective mechanism for creating a favorable environment for the development of tourism, the

integration of Ukraine into the European community, the effective use of tourist resources, the development of a cross-border infrastructure network, and the development of the national economy and culture.

Specific and systematic activities related to the development of international tourist affairs in Ukraine are an effective mechanism for creating a favorable environment for the development of tourism, the integration of Ukraine into the European community, the effective use of tourist resources, the development of a cross-border infrastructure network, and the development of the national economy and culture.

The State Service of Tourism and Resorts undertakes to ensure the right of citizens of Ukraine to free movement and freedom of movement, free access to tourist products of foreign countries in accordance with UN and WTO documents, in particular in the Universal Declaration of Human Rights, the Charter of Tourism, the decision of the Hague Conference and the Global Code of Ethics tourism. After all, as is known, the practice of organizing tourist trips of Ukrainian tourists abroad is still far from perfection.

An important obstacle to the development of international institutional cooperation on the part of the National Service of Tourism and Resorts remains insufficient budgetary funding for this type of activity. The effective development of international business directly depends on the state organizational, methodical, financial and economic support of tourism. Tourism is a highly profitable branch of the economy, which brings several billion dollars to state budgets and is an important factor in increasing the international authority of the state, and should receive annual revenue deductions from the budgets of all levels of tourist enterprises and personal accounts of tourists. The experience of countries where tourism has gained significant development shows that without state investments, the development of tourism is impossible, and investments are not expenses, but contribution in a field that brings high and quick profits (Law of the European Union).

As for today, cooperation between Ukraine and the UAE is the most successful in the field of trade in agricultural products. The potential of this and other directions is quite significant. The conclusion of the Comprehensive Economic Partnership Agreement (CEPA) between Ukraine and the United Arab Emirates, which began at the end of last year, can be a powerful driver for strengthening economic cooperation.

Undoubtedly, the forms of cooperation between Ukraine and the EU in wartime are largely determined by Ukraine's needs.

Therefore, joint arms purchases made through the Peace Support Institute will allow EU member states to coordinate their efforts to meet the

needs of the Armed Forces of Ukraine on the battlefield. A combination of measures aimed at removing customs duties on Ukrainian products, increasing the capacity of transport corridors between Ukraine and the EU, and liberalizing traffic should help us financially.

At the same time, “roads of solidarity” for Ukrainian products are also a measure of economic security, as they make Ukrainian exports at least partially independent of sea transportation and the “grain initiative”.

In addition to the needs of the Ukrainian side, the European Union's support initiatives, their content and speed of implementation directly reflect the structure and dynamics of European integration processes. Difficult political discussions arise after decisions on foreign policy and security policy, the adoption of which requires the consent of all member states.

A vivid example is the process during which was decided to grant Ukraine the status of a candidate for EU accession, which was reported in the media at various stages about fears and skepticism on the part of some countries, such as the Netherlands and Denmark. The process of concluding the sanctions agreement was also difficult, especially the disconnection of some banks of the aggressor country from SWIFT.

However, initiatives that can be taken by the EU institutions on their own have been adopted very quickly and their scale shows that all or almost all general directorates of the European Commission are involved and that coordination between them has been successful. Not the last role in this coordination is played by the Support Group for Ukraine in the European Commission, which is a connecting link between various EU structures that cooperate with Ukraine.

The European Union's wartime assistance initiatives are largely based on the forms and mechanisms of cooperation that existed before a large-scale war. Traditionally, forms of cooperation between Ukraine and the EU before the attack can be divided into three categories:

- political dialogue at different levels;

- interaction regarding the implementation of the Association Agreement, both formal within the framework of the association's institutes, and the development of informal professional networks;

- EU aid projects, especially for financing fundamental political reforms: decentralization, public administration, courts and the law enforcement system.

In addition, even before the attack, two delegations of the European Union were active in Ukraine dealing with security issues: the EU Advisory Mission in Ukraine (EUAM) and the EU Advisory Delegation of the EU in Moldova and Ukraine.

With the onset of full-scale war, many of these projects were aimed at meeting wartime needs. For example, the U-LEAD project on decentralization and regional development has begun to collect information on the humanitarian needs of local communities and to distribute appropriate aid to them from the EU and member states. The mandate of the CSSE was completed so that the operation could support Ukrainian experts in the investigation of war crimes in the Russian Federation.

The Association Agreement between Ukraine and the EU is undergoing a similar transition from “peacetime European integration” to wartime support.

As is known, the agreement contains ambitious plans for the liberalization of trade in goods and services and in the field of public procurement. In April 2014, at the height of the war in eastern Ukraine and three years before the agreement came into force, the European Commission had already decided to temporarily refuse or completely cancel tariffs on Ukrainian exports. The annual economy of Ukrainian exporters then amounted to about 500 million euros. In 2022, the EU used a similar instrument, but in addition to the FTAA trade liberalization rules and regulations.

One of the most relevant questions at the moment: does the status of Ukraine as a candidate country in June 2022 require changes to the association agreement or the conclusion of a new agreement? The short answer is no. The condition of the candidate is more of a political superstructure, which theoretically can include an agreement from the very beginning, and infrastructure will become a major component of Ukraine-EU relations in the near future.

Candidate status is certainly a key political lever with which the European Union can influence Ukraine’s fulfillment of its obligations under the Agreement and within the framework of membership negotiations.

The cost of rebuilding destroyed infrastructure facilities can become no fewer financial levers, in particular in the context of the EU Green Course (EU Green Course). The main idea of the EWC is to transform Europe into a climate-neutral continent by 2050.

Thus, a successful Ukrainian reconstruction project – which, according to EU leaders, could take up to 10 years – is both an important financial influence of the EU on Ukraine, and an initiative that requires the synergy of all existing formats and sectors.

Without the implementation of the Association Agreement, in particular in the field of environmental protection, it is difficult to talk about climate-neutral reconstruction and green energy. At the same time, private funds are likely to be attracted after reconstruction, and the institutional climate and the

progress of the parties in membership negotiations will play a significant role, although investors see this as a sign of predictability and stability.

It should be noted that the speed and success of reconstruction will be affected by the preservation and expansion of cooperation formats that were created during the war. In particular, automobile “roads of solidarity” have significant potential, as well as greater use of rail and river transport.

Therefore, as in wartime, post-war Ukraine-EU cooperation is characterized by the synergy of old and new formats, networks and structures, where the Association Agreement plays a major role.

In the modern world, the ideas of integration have gained considerable popularity. The main representative of such ideas in Europe today is the European Union, whose leading position among the world’s most important integration entities can be considered indisputable. On the basis of the Treaty of Rome on the establishment of the European Economic Community, the implementation of the slogan of the unification of Europe, the history of which dates back several hundred years, has already begun. Since then, the European Community has become a vivid example of the combination of increasing the level of security and simultaneously increasing the standard of living of society.

The European Union is currently the main mechanism for uniting the interests of the majority of Europe in the pursuit of security and prosperity, so Ukraine’s choice to integrate with Europe is obvious. From March 2021 to February 2022, 8 EU countries signed a declaration of support for Ukraine’s European perspective. On February 28, 2022, the President of Ukraine Volodymyr Zelenskyi, after negotiations with the President of the European Commission, Ursula von der Leyen, signed the application for Ukraine’s membership in the EU.

The Association Agreement provides for the creation of a legal, economic and organizational basis for the free movement of goods, services, capital and private labor between Ukraine and the EU. In the future, the very large and diversified market of the European Union, the removal of barriers to foreign trade, the harmonization of regulatory systems and the improvement of market institutions can become powerful engines of the growth of the Ukrainian economy.

Currently, the most important forms of cooperation between Ukraine and the EU are technical assistance, trade and investment activities. EC is actually the largest international donor for Ukraine.

The EU undertakes to strongly support Ukraine’s efforts to create a business-friendly environment and to implement socio-economic reforms. To

support real economic reforms in Ukraine, the EU has already granted Ukraine the status of a market economy within the framework of initiating and conducting EU anti-dumping investigations.

In the field of European foreign policy and political security, the EU strategy offers many new elements in comparison with the UPS, emphasizing the interest in preserving and strengthening the stabilization of Ukraine's role in the region, i.e. creating opportunities for organizing meetings of the EU with the participation of Ukraine in the Expert Group on Dialogue on Disarmament, non-proliferation and export of conventional weapons; to cooperate in the development of joint international political initiatives regarding the prevention of conflicts and actions in crisis situations in countries and regions bordering Ukraine. Positive violations are evident in the sphere of justice and internal affairs. It is about improving the visa policy between Ukraine and the EU, starting a regular dialogue between Ukrainian and European judicial authorities, cooperation between Europol and Ukrainian law enforcement agencies; modernization of border points in Ukraine and western neighboring countries; creating an informal network and for improving the exchange and analysis of information.

In the field of humanitarian cooperation, the EU undertakes to support Ukraine's efforts to fulfill its international obligations (for example, standards and requirements of the Council of Europe); to establish relations between EU member states and OM representatives in Ukraine; participate in the development of free mass media (through cooperation between journalists and their organizations); scientific research, exchange of students and youth; support a program of partnerships between national, regional and local organizations and other institutions. The joint energy and environmental strategy of the EU does not go beyond the previously announced EU initiatives, except that the EU undertakes to support efforts in the environmental field aimed at mitigating the consequences of the adverse environmental situation in Ukraine for the health of people and the population; to reform municipal units responsible for environmental protection services; raising environmental awareness in Ukraine at the "Environment for Europe" conference in Kyiv. The closure of the Chernobyl NPP was an important event that has already implemented EU initiatives in this area to a certain extent.

So, summarizing all of the above, it should be recognized that a realistic understanding of establishing relations with the EU is important for Ukraine, based on the fact that in the short- and medium-term perspective, relations between Ukraine and the EU are a priority.

During cooperation with the involvement of resources from donor countries, the European Union became a reliable partner, offering the Ukrainian government and civil society support for a number of reforms of the socio-economic development of Ukraine and the European Union (Cooperation between Ukraine and the EU).

Currently, priority areas of cooperation between Ukraine and the EU are economic development and trade, public administration and civil society, energy and energy efficiency, infrastructure and social services, transport and infrastructure, agriculture, banking and finance, national security and defense, communication and ICT, reconstruction of Donbas and rehabilitation of displaced persons, health care and nuclear safety.

### 3.2. Impact of Russian full-scale invasion into Ukraine on international food security

Russia's full-scale invasion on Ukrainian territory on February 24, 2022, shook not only Ukrainian society, but also the international community. The driving force of the military actions affected all aspects of the modern stable economic, social, environment of Ukrainians, as well as the national security of Ukraine, which includes food security.

In the context of international society, Russia's military aggression brought with it not only a large flow of resettlement of Ukrainian migrants to the countries of Europe, South and North America, and some Asian countries, but also exacerbated already the existing problem of international food security.

As you know, according to UN forecasts, by 2080 the global population should reach more than 8 billion people (United Nations Department of Economic and Social Affairs, 2022).

As of November 2022, the world's population has reached 8.0 billion, which is more than the number recorded in the 1950s. Since 1950, the world's population has doubled to over 5 billion in 37 years, compared to the number of inhabitants recorded in 1987. According to UN forecasts, in 2059 the number of people living on Earth will exceed 10 billion.

Over the one hundred years from 1950 to 2050, the world population was growing the fastest in the period 1962-1965, when it was increasing on average by 2.1 per cent per year (Fig. 3.2). Since then, the pace of population growth has slowed by more than half owing to reduced levels of fertility. In 2020, and for the first time since 1950, the rate of population

### References to Chapter 3

About the right to social security and human rights (n.d.). Retrieved from <https://www.ohchr.org/en/social-security/about-right-social-security-and-human-rights> (Accessed 2023-04-26)

According to the Index of sustainable development, Ukraine ranks 36th – the UN (n.d.). URL: <https://minfin.com.ua/ua/2021/06/19/66636870/>.

Agroprom holding Astarta-Kyiv. Official site (n.d.). Retrieved from <https://astartaholding.com/>

Agrotrade group. Official site (n.d.). Retrieved from <https://agrotrade.ua/kompaniya/soczialna-vidpovidalnist/infrastructure/> (12.01.2023)

Amini, N, Rakhshanderou, S, Ramezankhani, A, Delavari, A, & Ghaffari, M. (2023). WHO-PEN intervention in Iran's health system based on 5As healthy lifestyle counseling model: A randomized-clinical trial. *J Educ Health Promot.* 12:18.

Analitychnyi zvit (2022). Suspilno-politychni nastroi pid chas povnomasshtabnoho vtorhнення viisk Rosiiskoi Federatsii na terytorii Ukrainy. Retrieved from [https://gradus.app/documents/164/Gradus\\_Research\\_Report\\_War\\_3\\_3\\_2022.pdf](https://gradus.app/documents/164/Gradus_Research_Report_War_3_3_2022.pdf)

Analytical reports. Assistance in the reconstruction of Ukraine (n.d.). Retrieved from <https://rebuildua.net/zvity> (Accessed 18.01.2023)

Andrews, C., Das, M., Elder, J., Ovadiya, M. (2012). Social protection in low income countries and fragile situations: Challenges and future directions. Retrieved from <https://openknowledge.worldbank.org/handle/10986/13553> (Accessed 2023-04-26)

Bagmet, K., Obeid, H. (2017). Financing social protection in Ukraine and the European Union: current situation and prospects. Retrieved from <https://essuir.sumdu.edu.ua/handle/123456789/61568> (Accessed 2023-04-26)

Bandurovych, O. & Alekankina, K. (2023). Yak ukraintsi pochuvaiut sebe v umovakh viiny. Retrieved from <https://voxukraine.org/yak-ukrayintsi-pochuvayut-sebe-v-umovah-vijny/>

Barbier, J. (2003). The European Employment Strategy, a channel for activating social protection. Retrieved from <https://citescerx.ist.psu.edu/document?repid=rep1&type=>

pdf&doi=9bdf9c8163a19c4305f227f0e0e5aa24b522dbec (Accessed 2023-04-26)

Barrientos, A. & Hulme, D. (2009). Social protection for the poor and poorest in developing countries: reflections on a quiet revolution: commentary. Retrieved from <https://www.tandfonline.com/doi/abs/10.1080/13600810903305257> (Accessed 2023-04-26)

Basyurkina, N.Y. (2011). Food security as a systemic characteristic of the functioning of the agro-industrial sector of the economy, *Economics of the food industry*. 2, 5-10.

Beveridge, W. (2000). Social insurance and allied services. Retrieved from [https://books.google.com/books?hl=en&lr=&id=SuycYg92eosC&oi=fnd&pg=PA259&dq=Recommendations+for+future+improvements+What+additional+social+protection+policies+should+be+adopted+to+protect+people+with+disabilities+affected+by+war%3F&ots=sT6GIHy2gX&sig=vhl\\_XIP4u1KK9aP9i5Qdf7DmV18](https://books.google.com/books?hl=en&lr=&id=SuycYg92eosC&oi=fnd&pg=PA259&dq=Recommendations+for+future+improvements+What+additional+social+protection+policies+should+be+adopted+to+protect+people+with+disabilities+affected+by+war%3F&ots=sT6GIHy2gX&sig=vhl_XIP4u1KK9aP9i5Qdf7DmV18) (Accessed 2023-04-26)

Black Sea Grain Initiative Vessel Movements (2022). Retrieved from <https://data.humdata.org/dataset/black-sea-grain-initiative-vessel-movements>

Blau, J. & Abramovitz, M. (2003). The dynamics of social welfare policy. Retrieved from [https://books.google.com/books?hl=en&lr=&id=9c1MAgAAQBAJ&oi=fnd&pg=PP2&dq=Critical+analysis+of+social+protection+policy+What+are+the+strengths+and+weaknesses+of+the+existing+social+protection+policy+for+people+with+disabilities+in+Ukraine%3F&ots=G72X\\_9Smse&sig=bp3EEj6fk1rx5Tb9B79WeRLUB7Q](https://books.google.com/books?hl=en&lr=&id=9c1MAgAAQBAJ&oi=fnd&pg=PP2&dq=Critical+analysis+of+social+protection+policy+What+are+the+strengths+and+weaknesses+of+the+existing+social+protection+policy+for+people+with+disabilities+in+Ukraine%3F&ots=G72X_9Smse&sig=bp3EEj6fk1rx5Tb9B79WeRLUB7Q) (Accessed 2023-04-26)

Bobrova, N.O., Ananieva, M.M., Zviaholska I.M. et al. Stavlenia studentiv-medykiv do zdorovoho sposobu zhyttia ta yoho vplyv na protses navchannia. *Aktualni problemy suchasnoi medytsyny*. 2015; 15 (2): 8-12.

Bodnaruk, M. (2017). The Development of Social Insurance in Ukraine during the Soviet and Post-Soviet Periods of Its History. Retrieved from [https://heinonline.org/hol-cgi-bin/get\\_pdf.cgi?handle=hein.journals/lrkyivu2017&ion=296](https://heinonline.org/hol-cgi-bin/get_pdf.cgi?handle=hein.journals/lrkyivu2017&ion=296) (Accessed 2023-04-26)

Boiko, Yu.S. (2015). Formuvannia aksiolohichnykh ustanovok do zdorovoho sposobu zhyttia u studentiv vyshchyykh navchalnykh zakladiv: dys. kand. ped. nauk: Yu. S. Boiko.

Briukhanova, T.S. (2016). Pidvyshchennia motyvatsii studentiv do zdorovoho sposobu zhyttia shliakhom vprovadzhennia sportyvno-orientovanykh tekhnolohii navchannia. *Naukovyi visnyk Uzhhorodskoho natsionalnoho universytetu : serii: Pedagogika. Sotsialna robota*, 2(39), 39-40.

Bulakh, T. (2020). Entangled in social safety nets: Administrative responses to and lived experiences of internally displaced persons in Ukraine. Retrieved from <https://www.tandfonline.com/doi/abs/10.1080/09668136.2019.1687648>.

Bundy, D. (2009). Rethinking school feeding: social safety nets, child development, and the education sector. Retrieved from [https://books.google.com/books?hl=en&lr=&id=tNUoQp9KsDEC&oi=fnd&pg=PR5&dq=Recommendations+for+future+improvements+What+additional+social+protection+policies+should+be+adopted+to+protect+people+with+disabilities+affected+by+war%3F&ots=ycFJqd4QaI&sig=BVA1YrFfJJ-Hx\\_0w5-\\_x1oXLQqQ](https://books.google.com/books?hl=en&lr=&id=tNUoQp9KsDEC&oi=fnd&pg=PR5&dq=Recommendations+for+future+improvements+What+additional+social+protection+policies+should+be+adopted+to+protect+people+with+disabilities+affected+by+war%3F&ots=ycFJqd4QaI&sig=BVA1YrFfJJ-Hx_0w5-_x1oXLQqQ).

By the end of 2022, 8 million Ukrainians will live below the poverty line (n.d.). Retrieved from <https://minprom.ua/news/289433.html>.

By the end of 2023, the poverty level in Ukraine may increase to 55% of the population (n.d.). Retrieved from <https://uagit.tv/2022/12/21/26630-do-kintsya-2023-riven-bidnosti-v-ukrayini-mozhe-zrosty-do-55-naselennya-ekonomist-poyasnyv-chomu>.

Cabinet of Ministers of Ukraine (2023). 2023 will be the year of Ukraine's early recovery, driven by private capital: Yuliia Svyrydenko. Retrieved from <https://www.kmu.gov.ua/>.

Cammett, M. & MacLean, L. (2011). Introduction: The political consequences of non-state social welfare in the Global South. Retrieved from <https://link.springer.com/article/10.1007/s12116-010-9083-7> (Accessed 2023-04-26)

Cichon, M., Scholz, W. & Van de Meerendonk, A. (2004). Financing social protection. Retrieved from <https://books.google.com/books?hl=en&lr=&id=ISiOQPmDt7AC&oi=fnd&pg=PR15&dq=Critical+analysis+of+social+protection+policy+What+are+the+strengths+and+weaknesses+of+the+existing+social+protection+policy+fo>

r+people+with+disabilities+in+Ukraine%3F&ots=gTUL2ptliv&sig=eyE  
sxxiaQs1fJybuFoG8UZQH8.

Cody, R., Beck, J., Brand, S., Donath, L., Faude, O., Hatzinger, M., Imboden, C., Kreppke, J.N., Lang, U.E., Ludyga, S., Mans, S. et al. (2023). Short-term outcomes of physical activity counseling in in-patients with Major Depressive Disorder: Results from the PACINPAT randomized controlled trial. *Front Psychiatry*, 13, 1045158. doi: 10.3389/fpsy.2022.1045158. PMID: 36741581; PMCID: PMC9889670.

Committee on the Rights of Persons with Disabilities Holds General Discussion on Persons with Disabilities in Situations of Risk and Humanitarian Emergencies (n.d.). Retrieved from <https://www.ohchr.org/en/news/2023/03/le-comite-des-droits-des-personnes-handicapees-tient-un-debat-general-sur-les> (Accessed 2023-04-26)

Convention on the Rights of Persons with Disabilities (CRPD) (n.d.). Division for Inclusive Social Development (DISD). Retrieved from <http://social.desa.un.org/issues/disability/crpd/convention-on-the-rights-of-persons-with-disabilities-crpd> (Accessed 2023-04-26)

Convention on the Rights of Persons with Disabilities (n.d.). Retrieved from [https://en.wikipedia.org/wiki/Convention\\_on\\_the\\_Rights\\_of\\_Persons\\_with\\_Disabilities](https://en.wikipedia.org/wiki/Convention_on_the_Rights_of_Persons_with_Disabilities) (Accessed 2023-04-26)

Convention on the Rights of Persons with Disabilities (n.d.). Retrieved from <https://www.ohchr.org/en/instruments-mechanisms/instruments/convention-rights-persons-disabilities> (Accessed 2023-04-26)

Conway, G. (1990). After the Green Revolution. *Sustainable agriculture for Development*, 61-69.

Maydanik, O.O. (n.d.). Cooperation between Ukraine and the EU: current state and prospects. Retrieved from <https://ckmair.ukma.edu.ua/server/api/core/bitstreams/b458bc5e-6815-4b65-aca2-d43594a07b50/content>.

Country report: Ukraine. *Global Food Security Index* (2022) Retrieved from [https://fabric-staging.economist.com/hubs/gfsi2022/reports/Economist\\_Impact\\_GFSI\\_2022\\_Ukraine\\_country\\_report\\_Sep\\_2022.pdf](https://fabric-staging.economist.com/hubs/gfsi2022/reports/Economist_Impact_GFSI_2022_Ukraine_country_report_Sep_2022.pdf)

CSR Ukraine. Catalog of company actions. Retrieved from <https://csr-ukraine.org/catalog-actions-of-companies-in-the-russian-ukrainian-war/> (25.12.2022)

Deacon, B. (2013). *Global social policy in the making: The foundations of the social protection floor*. Retrieved from <https://books.google.com/books?hl=en&lr=&id=oUNqDwAAQBAJ&oi=fnd&pg=PR1&dq=Recommendations+for+future+improvements+What+initiatives+should+be+taken+to+ensure+that+people+with+disabilities+have+access+to+social+protection+during+wartime%3F&ots=4ZSPzJAcae&sig=ctuhjNrzEh4yzRUWZPn10RC3LD4> (Accessed 2023-04-26)

Devereux, S., Sabates-Wheeler, R. (2004). *Transformative social protection*. Retrieved from <https://opendocs.ids.ac.uk/opendocs/handle/20.500.12413/4071> (Accessed 2023-04-26)

Disability Laws and Acts by Country-Area. United Nations Enable (n.d.). URL : <https://www.un.org/development/desa/disabilities/disability-laws-and-acts-by-country-area.html> (Accessed 2023-04-26)

Disability. Retrieved from <https://www.who.int/news-room/fact-sheets/detail/disability-and-health> (Accessed 2023-04-26)

Dubkovetska, I. & Budnyk, O. (2016). *Implementing inclusive education in Ukraine: problems and prospects*. Retrieved from <https://scijournals.pnu.edu.ua/index.php/jpnu/article/download/2880/3250>.

Dudzik, P. & McLeod, D. (2000). *Including the most vulnerable: social funds and people with disabilities*. Retrieved from <http://web.worldbank.org/archive/website01536/WEB/IMAGES/0023.PDF>.

Eckert, A. (2004). *Regulating the social: social security, social welfare and the state in late colonial Tanzania*. Retrieved from <https://www.cambridge.org/core/journals/journal-of-african-history/article/regulating-the-social-social-security-social-welfare-and-the-state-in-late-colonial-tanzania/5CC27234D5433C8B9D55B18334B81150>.

EU assistance (n.d.). Retrieved from <https://eu-ua.kmu.gov.ua/dopomoha-yes>.

EU Neighbours East. (2023). *Updated Ukraine Recovery and Reconstruction Needs Assessment*. Retrieved from <https://euneighbourseast.eu/news/>.

European Commission. (2023a). *Multi-agency Donor Coordination Platform ramps up efforts to help Ukraine address priority recovery needs in 2023*. Retrieved from <https://ec.europa.eu/commission/presscorner/>

European Commission. (2023b). Ukraine: Multi-agency Donor Coordination Platform for Ukraine kick-starts work. Retrieved from <https://ec.europa.eu/commission/presscorner/>.

FAOSTAT (2022) Retrieved from <https://www.fao.org/faostat/ru/#data/FS>

From, E. (2009). Anatomiiia liudskoi destruktivnosti. Instynkty ta liudski prystrasti. Filosofiia: khrestomatiia (vid vytokiv do sohodennia). Kyiv: Znannia. PP. 279-280.

Geets, V.M. (1999). Concept of economic security of Ukraine, 56

Gerber, M, Beck, J., Brand, S, Cody, R, Donath, L., Eckert, A., Faude, O., Fischer, X., Hatzinger, M., Holsboer-Trachsler, E., Imboden, C., Lang, U., Mans, S., et al. (2019). The impact of lifestyle Physical Activity Counselling in IN-PATients with major depressive disorders on physical activity, cardiorespiratory fitness, depression, and cardiovascular health risk markers: study protocol for a randomized controlled trial. *Trials*, 20(1): 367. doi: 10.1186/s13063-019-3468-3. PMID: 31221205; PMCID: PMC6585067.

Golikova, K.P. (2012). Food security of the state: essence, structure and features of its provision. Scientific works of the Kirovohrad National Technical University. Economic Sciences, 22, part II, 1-5.

Hadley, R. & Hatch, S. (1981). Social welfare and the failure of the state: Centralized social services and participatory alternatives. Retrieved from [https://books.google.com/books?hl=en&lr=&id=xg9mDwAAQBAJ&oi=fnd&pg=PT7&dq=Recommendations+for+future+improvements+What+initiatives+should+be+taken+to+ensure+that+people+with+disabilities+have+access+to+social+protection+during+wartime%3F&ots=JLxugXc9-Z&sig=JavW\\_3l\\_yQGcHbh4Mrbt4dY-oOpU](https://books.google.com/books?hl=en&lr=&id=xg9mDwAAQBAJ&oi=fnd&pg=PT7&dq=Recommendations+for+future+improvements+What+initiatives+should+be+taken+to+ensure+that+people+with+disabilities+have+access+to+social+protection+during+wartime%3F&ots=JLxugXc9-Z&sig=JavW_3l_yQGcHbh4Mrbt4dY-oOpU).

Hagemeyer, K. & McKinnon, R. (2013). The role of national social protection floors in extending social security to all. Retrieved from <https://onlinelibrary.wiley.com/doi/abs/10.1111/issr.12016> (Accessed 2023-04-26)

Harv East Holding (n.d.). Official site. Retrieved from <https://harveast.com/> (Accessed 12.01.2023)

Historical Background and Development of Social Security (n.d.). Retrieved from <https://www.ssa.gov/history/briefhistory3.html> (Accessed 2023-04-26)

Hoelscher, P. & Alexander, G. (2010). Social protection in times of crisis: experiences in Eastern Europe and Central Asia. Retrieved from

<https://bristoluniversitypressdigital.com/view/journals/jpsj/18/3/article-p255.xml>.

Hohberg, V., Fuchs, R., Gerber, M., Künzler, D., Paganini, S., Faude, O. (2022). Blended Care Interventions to Promote Physical Activity: A Systematic Review of Randomized Controlled Trials. *Sports Med Open*, 8(1), 100.

Horishna, N. (2019). The nature and peculiarities of integrated social services implementation in Ukraine. Retrieved from <http://journals.uran.ua/swe/article/view/175625> (Accessed 2023-04-26)

How a full-scale war changed the formats of cooperation between Ukraine and the EU (n.d.). Retrieved from <https://www.eurointegration.com.ua/articles/2022/11/8/7150040/>

Hryniv, O. (1997). *Ukraina i Rosiia: partnerstvo chy protystoiannia?* Lviv: Instytut narodoznavstva NAN Ukrainy.

IMK: innovation, management, team (n.d.). Retrieved from <https://imcagro.com.ua/ua/diyalnist-kompany/sotsialna-programa-imk-dopomagae> (21.12.2022)

International Day of Persons with Disabilities: The international community must support persons with disabilities in Ukraine (n.d.). URL : <https://www.edf-feph.org/international-day-of-persons-with-disabilities-the-international-community-must-support-persons-with-disabilities-in-ukraine/> (Accessed 2023-04-26)

ISO 26000. Social responsibility (n.d.). Retrieved from <https://www.iso.org/ru/iso-26000-social-responsibility.html> (27.01.2023)

Khlon, O. (2019). Motyvatsiia do zdorovoho sposobu zhyttia studentiv ta vykladachiv vyshchykh navchalnykh zakladiv Ukrainy v konteksti istorychnykh tradytsii. *Visnyk Natsionalnoho universytetu oborony Ukrainy*, 50(2), 145-151.

Khorunzhy, M.Y. (2002). The development of the agrarian and food doctrine of Ukraine is an imperative of the time. The main directions of highly effective development of post-reformed agro-industrial production in Ukraine on an innovative basis. *IAE UAAS*, 214-220.

Konstantinovna, K. (2013). Mechanisms of ensuring with technical and other means of rehabilitation for children with disabilities in Ukraine. URL : <https://cyberleninka.ru/article/n/mechanisms-of-ensure-with-technical-and-other-means-of-rehabilitation-for-children-with-disabilities-in-ukraine>.

Kovács, E., Bachórz, A. & Bunzl, N. (2022). The War in Ukraine and Food Security in Eastern Europe. *Gastronomica*. University of

California Press. URL : <https://online.ucpress.edu/gastronomica/article-abstract/22/3/1/192112>.

Kryshtanovych, M. & Kryshtanovych, S. (2020). Prospects for the Development of Inclusive Education using Scientific and Mentoring Methods under the Conditions of Post-Pandemic Society. Retrieved from: <https://search.ebscohost.com/login.aspx?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=20680236&AN=144431717&h=a2eZ4f%2BMLXFZ%2B4JfUOTDIEDpMIGh97BDh5RR9otxj7utveZpLeuCJYUigupwgcL%2B9tfNZgSfBvc0EKHrpW8%2Bjw%3D%3D&cr=c>.

KSE Institute report as of December 2022 (2023). Retrieved from [https://kse.ua/ua/about-the-school/news/zagalna-suma-pryamih-zbitkiv-zavdana-infrastrukturi-ukrayini-cherez-viynu-zrosla-do-mayzhe-138-mlrd/#:~:text=\(24.02.2023\)](https://kse.ua/ua/about-the-school/news/zagalna-suma-pryamih-zbitkiv-zavdana-infrastrukturi-ukrayini-cherez-viynu-zrosla-do-mayzhe-138-mlrd/#:~:text=(24.02.2023))

Kuzo, T. (2018). Viina Putina proty Ukrainy. Revoliutsiia, natsionalizm i kryminalitet. Kyiv: Dukh i litera. 27-28.

Kyiv School of Economics. (2023). During the year of the full-scale war, the total amount of damages caused russia to Ukraine's infrastructure has reached almost \$143.8 billion. Retrieved from <https://kse.ua/about-the-school/news/>.

Law of the European Union (n.d.). Retrieved from <https://arm.naiiu.kiev.ua/books/eulaw/info/lec9.html>

Lazorenko, O. et al. (2008). CSR manual. Basic information on corporate social responsibility. Kyiv, "Enerhia" Publishing House. 96p. Retrieved from [http://lpw.org.ua/files/content/CSRGuide\\_print12.05.08.pdf](http://lpw.org.ua/files/content/CSRGuide_print12.05.08.pdf).

Left behind: How war is hitting the disabled in Ukraine. Euronews. URL : <https://www.euronews.com/my-europe/2022/08/02/a-crisis-within-a-crisis-how-war-is-hitting-the-disabled-in-ukraine> (Accessed 2023-04-26)

Lemma, M. & Cochrane, L. (2019). Policy Coherence and Social Protection in Ethiopia: Ensuring No One Is Left Behind. Societies.

Liebman, L. (1976). The definition of disability in Social Security and Supplemental Security Income: Drawing the boundaries of social welfare estates. URL : [https://heinonline.org/hol-egi-bin/get\\_pdf.cgi?handle=hein.journals/hlr89&ion=45](https://heinonline.org/hol-egi-bin/get_pdf.cgi?handle=hein.journals/hlr89&ion=45).

Lipsky, M. (1984). Bureaucratic disentanglement in social welfare programs. URL : Retrieved from <https://www.journals.uchicago.edu/doi/abs/10.1086/644161>.

Lloyd-Sherlock, P. (2005). Living longer: Aging, development and social protection. Retrieved from <https://books.google.com/books?hl=en&lr=&id=11PIN5qxEvQC&oi=fnd&pg=IA2&dq=Critical+analysis+of+social+protection+policy+What+are+the+strengths+and+weaknesses+of+the+existing+social+protection+policy+for+people+with+disabilities+in+Ukraine%3F&ots=q1e882loK&sig=VzuwmjrJqVjX4vZs5asJBBw0>.

London School of Hygiene & Tropical Medicine (n.d.). Retrieved from <https://www.lshtm.ac.uk/newsevents/events/war-ukraine-people-disabilities-and-their-families>.

Loreman, T. & McGhie-Richmond, D. (2016). A Canada-Ukraine collaborative initiative for introducing inclusive education for children with disabilities in Ukraine: participant perspectives. Retrieved from <https://www.tandfonline.com/doi/abs/10.1080/09243453.2015.1018912>.

Lytvynenko, O.M. (2013). Formuvannia zdorovoho sposobu zhyttia v studentskoi molodi. *Pedahohika. Naukovi pratsi*, 146, 42-46.

Making the Right to Social Security a Reality for All Workers (n.d.). Retrieved from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9306419/>.

Malthus, T. (1998). *An Essay on the Principle of Population*. Electronic Scholarly Publishing Project. 134. Retrieved from <http://www.esp.org/books/malthus/population/malthus.pdf>.

Markowski, T. (2009). *Opinia w sprawie Komunikatu Komisji UE pt. «Zielona Księga w sprawie spójności terytorialnej – przekształcenie różnorodności terytorialnej w siłę». Spójność Terytorialna wyzwaniem polityki rozwoju Unii Europejskiej. Polski wkład w debatę. Ministerstwo Rozwoju Regionalnego. Warszawa.*

Marmot, M., Allen, J., Bell, R., Bloomer, E., Goldblatt, P. (2012). WHO European review of social determinants of health and the health divide. Retrieved from <https://www.sciencedirect.com/science/article/pii/S0140673612612288> (Accessed 2023-04-26)

Melnychenko, O.A. (2018). Opytuvannia yak sposib vyivlennia vplyvu osoblyvosti adaptatsii studentiv do ekonomichnykh, sotsialnykh i pryrodnykh faktoriv na riven ta yakist zhyttia takykh osib. *Problemy upravlinnia sotsialnym i humanitarnym rozvytkom: materialy KhII nauk.-prakt. konf. za mizhnar. uch., 30 lystopada 2018 r. / za zah. red. O.B. Kiricievoi. Dnipro: Vyd-vo DRIDU NADU.*

Mendes, P. Australia's welfare wars revisited: The players, the politics and the ideologies. (2017). Retrieved from <https://books.google.com/books?hl=en&lr=&id=lnZ7pNodShMC&oi=fnd&pg=PP9&dq=Recommendations+for+future+improvements+What+initiatives+should+be+taken+to+ensure+that+people+with+disabilities+have+access+to+social+protection+during+wartime%3F&ots=1WKY4lxqSC&sig=rWDi4czS3F2K5XyXtX6QNeOsog8> (Accessed 2023-04-26)

Mishchuk, H., Bilan, S., Yurchyk, H., Akimova, L. (2020). Impact of the shadow economy on social security: The experience of Ukraine. URL : <https://vb.ku.lt/object/elaba:122408433/> (Accessed 2023-04-26)

Moroz, V. (2022). Legislative support enforcement of court judgments in Ukraine. Scientific journal "Philosophy, Economics and Law Review". Vol. 2, no. 1, pp. 212-220.

Mosiichuk, I.V. (2023). National models of CSR: a comparative analysis. Retrieved from [http://eprints.zu.edu.ua/29280/1/%D0%A1%D1%82%D0%B0%D1%82%D1%82%D1%8F\\_%D0%9C%D0%BE%D1%81%D1%96%D0%B9%D1%87%D1%83%D0%BA\\_2018.PDF](http://eprints.zu.edu.ua/29280/1/%D0%A1%D1%82%D0%B0%D1%82%D1%82%D1%8F_%D0%9C%D0%BE%D1%81%D1%96%D0%B9%D1%87%D1%83%D0%BA_2018.PDF).

Mykhasyyuk, I.R., Melnyk, A.F., Krupka, M.I. & Zaloga, Z.M. (1999). State regulation of Economy. Ukrainian technologies, 640.

Nalyvaiko, L.R. Derzhavnyi lad Ukrainy: poniattia, systema, harantii: avtoref. dys. ... d-ra yuryd. nauk : 12.00.01 / L. R. Nalyvaiko ; Nats. yuryd. akad. Ukrainy im. Yaroslava Mudroho. Kh., 2010.

Nalyvaiko, L. & Chepik-Trehubenko, O. (2022). Application of the principle of the rule of law international and national courts. KELM (Knowledge, Education, Law, Management). No 4(48), pp. 413-419.

National Council for the Recovery of Ukraine from the War. (n.d.). Project of the Recovery Plan of Ukraine. Materials of the working group 'Recovery and development of the economy'. Retrieved from <https://www.kmu.gov.ua/>.

NCD.gov (n.d.). Retrieved from <https://ncd.gov/publications/2002/July2002> (Accessed 2023-04-26)

Nesterov, O.S., Artemenko, V.V. & Milaiev, O.I. (2016). Suchasnyi stan hotovnosti vchyteliv fizychnoi kultury do vykorystannia fizkulturoozdorovchych tekhnolohii u profesiinii diialnosti. Visnyk Zaporizkoho natsionalnoho universytetu: Zbirnyk naukovykh statei. Fizyчне vykhovannia ta sport, 2, 38-46.

OECD: Ukraine (2022) Retrieved from <https://oec.world/en/profile/country/ukr>.

OECD. (2022, July 1). The architecture of infrastructure recovery in Ukraine. Retrieved from <https://www.oecd.org/ukraine-hub/>.

One year of war: persons with disabilities in Ukraine (n.d.). Retrieved from <https://www.cdf-feph.org/one-year-of-war-persons-with-disabilities-in-ukraine/>.

Patwary, M., Polack, S., Zharkova, A., Swed, S. (2022). People with disabilities in Ukraine – A call for action. Retrieved from <https://www.cambridge.org/core/journals/prehospital-and-disaster-medicine/article/people-with-disabilities-in-ukraine-a-call-for-action/CFB4BCA0C7735370E4F3D66334F4EB3B>.

Phillips, S. (2005). Citizens or "dead souls"?: an anthropological perspective on disability and citizenship in post-Soviet Ukraine. Retrieved from <https://www.taylorfrancis.com/chapters/edit/10.4324/9781315866932-15/citizens-dead-souls-anthropological-perspective-disability-citizenship-post-soviet-ukraine-sarah-phillips>.

Phillips, S. (2009). "There are no invalids in the USSR!" A missing Soviet chapter in the new disability history. Retrieved from <https://library.osu.edu/ojs/index.php/dsq/article/view/936>.

Phillips, S. (2009). Civil society and disability rights in post-Soviet Ukraine: NGOs and prospects for change. Retrieved from [https://heinonline.org/hol-cgi-bin/get\\_pdf.cgi?handle=hein.journals/ijjgls16&ion=13](https://heinonline.org/hol-cgi-bin/get_pdf.cgi?handle=hein.journals/ijjgls16&ion=13).

Phillips, S. (2010). Disability and mobile citizenship in post-socialist Ukraine. Retrieved from [https://books.google.com/books?hl=en&lr=&id=pLYc4sTcFpIC&oi=fnd&pg=PP1&dq=Disability+Rights+How+to+effectively+implement+the+rights+of+people+with+disabilities+in+Ukraine%3F&ots=BWFuZHJaUU&sig=jLoRv8fB\\_V4tBtAfQUtEqL\\_MQ8rE](https://books.google.com/books?hl=en&lr=&id=pLYc4sTcFpIC&oi=fnd&pg=PP1&dq=Disability+Rights+How+to+effectively+implement+the+rights+of+people+with+disabilities+in+Ukraine%3F&ots=BWFuZHJaUU&sig=jLoRv8fB_V4tBtAfQUtEqL_MQ8rE).

Phillips, S. (2010). Disability and mobile citizenship in postsocialism Ukraine. Retrieved from [https://books.google.com/books?hl=en&lr=&id=pLYc4sTcFpIC&oi=fnd&pg=PP1&dq=Disability+Rights+What+are+the+challenges+for+ensuring+the+rights+of+people+with+disabilities+in+Ukraine%3F&ots=BWFuZHJaWP&sig=2AG8dlb-H8TSp3WqiwNV\\_7ovtFfE](https://books.google.com/books?hl=en&lr=&id=pLYc4sTcFpIC&oi=fnd&pg=PP1&dq=Disability+Rights+What+are+the+challenges+for+ensuring+the+rights+of+people+with+disabilities+in+Ukraine%3F&ots=BWFuZHJaWP&sig=2AG8dlb-H8TSp3WqiwNV_7ovtFfE).

Pyrozkhov, S.I. (2016). Tsyvilizatsiyni vybir Ukrainy: paradyhma osmyslennia i stratchiia dii: natsionalna dopovid Kyiv; NAN Ukrainy, 185-188.

Rawtani, D., Gupta, G., Khatri, N. & Rao, P. (2022). Short Communication Environmental damages due to war in Ukraine: A perspective. URL : <https://www.sciencedirect.com/science/article/pii/S0048969722050318>.

Razavi, S. (2022). Making the Right to Social Security a Reality for All Workers. Retrieved from <https://link.springer.com/article/10.1007/s41027-022-00378-6>.

Razavi, S., Behrendt, C., Bierbaum, M. (2020). Reinvigorating the social contract and strengthening social cohesion: Social protection responses to COVID-19. Retrieved from <https://onlinelibrary.wiley.com/doi/abs/10.1111/issr.12245>.

Rome Declaration on World Food Security and Plan of Action of the World Food Summit (1996). Retrieved from <https://www.un.org/Russian/document/declarant/hunger.htm>.

Rumyk, I.I. (2014). Conceptual aspects of food security as a component of Ukraine's national security. Scientific notes of the "KROK" University. 35, 22-32.

Rumyk, I.I. (2020). Food security of the state: issues of theory, methodology, practice. University of Economics and Law. 420.

Sankova, M.V., Nikolenko, V.N., Oganessian, M.V., Vovkogon, A.D. et al. (2023). Identifying sex-specific injury predictors as a key factor in maintaining optimal physical activity levels. *World J Orthop*, 14(3):146-154. doi: 10.5312/wjo.v14.i3.146. PMID: 36998385; PMCID: PMC10044326.

Scientific cooperation between Ukraine and the EU [(n.d.). Retrieved from <https://eu-ua.org/yevrointchratsiia/naukove-spivrobitnytstvo/>.

Serra, M.C., Dondero, K.R., Larkins, D., Burns, A., Addison, O. (2020). Healthy Lifestyle and Cognition: Interaction between Diet and Physical Activity. *Curr Nutr Rep*, 9, 64-74.

Shlemko, V.T. & Binko, I.F. (1997). Economic security of Ukraine: essence and directions of provision, 144

Social protection for people with disabilities in Europe (n.d.). Retrieved from <https://ec.europa.eu/social/BlobServlet?docId=26480&langId=en>.

Social responsibility of business in war conditions(n.d.). Retrieved from <https://sostav.ua/publication/sots-alna-v-dpov-daln-st-b-znesu-v-umovakh-v-jni-91542.html>.

Standing, G. (1996). Social protection in Central and Eastern Europe: a tale of slipping anchors and torn safety nets. Retrieved from

<https://www.torrossa.com/gs/>

[resourceProxy?an=4913907&publisher=FZ7200#page=238.](https://www.torrossa.com/gs/resourceProxy?an=4913907&publisher=FZ7200#page=238)

Stimulation of entrepreneurial activity in conditions of war (n.d.). Retrieved from <https://www.ukrinform.ua/rubric-economy/3671034-ukraina-ta-es-obgovorili-stimuluvanna-pidpriemnickoi-dialnosti-v-umovah-vijni.html>.

Stonerock, G.L. & Blumenthal, J.A. (2017) Role of Counseling to Promote Adherence in Healthy Lifestyle Medicine: Strategies to Improve Exercise Adherence and Enhance Physical Activity. *Prog Cardiovasc Dis*, 59(5):455-462. doi: 10.1016/j.pcad.2016.09.003.

Syvokhop, Ya. Osnovni pidkhody shchodo formuvannia navychok zdorovoho sposobu zhyttia uchnivskoi molodi. (2010). *Naukovyi visnyk Uzhhorodskoho natsionalnoho universytetu*, 18-19, 94-98.

Talanchuk, I. (2015). Ukraine administrative and legal regulation of education for persons with disabilities. Retrieved from [https://www.zurnalai.vu.lt/social-welfare/article/view/28266.](https://www.zurnalai.vu.lt/social-welfare/article/view/28266)

Teremetskyi, V., Duliba, Y., & Drozdova, O. (2021). Access To Justice And Legal Aid For Vulnerable Groups: New Challenges Caused By The Covid-19 Pandemic. Retrieved from <https://search.proquest.com/openview/349c8d15eda7bd28446e28dce62b53c1/1?pq-origsite=gscholar&cbl=38868>.

The State Emergency Service of Ukraine (2023). Demining of the territories will remain a priority task for us for a long time: Serhii Kruk. Retrieved from <https://dsns.gov.ua/en/news/>.

Through this conflict in Ukraine, what happens to persons with disabilities? (n.d.). Retrieved from <https://www.internationaldisabilityalliance.org/content/through-conflict-ukraine-what-happens-persons-disabilities>.

Topolnitskyi, V.V. & Tychna, B.M. (2019). Problemy pravovoho rehuliuвання poniat «voiennyi stan», «stan viiny» ta «voiennyi chas». *Pravova pozytsiia*, 4(25), 97-99.

Transforming our world: the 2030 Agenda for sustainable development (n.d.). Retrieved from <https://www.undp.org/uk/ukraine/publications/>.

Triukhan, O., Chumachenko, I., Zanko, O. & Andrii, H. (2020). Legal Guarantees for the Protection of the Labor Rights of Persons with Disabilities in Ukraine. Retrieved from [https://heinonline.org/hol-cgi-bin/get\\_pdf.cgi?handle=hein.journals/jpola13&ion=41](https://heinonline.org/hol-cgi-bin/get_pdf.cgi?handle=hein.journals/jpola13&ion=41).

Ukraine and the European union: basics of cooperation (n.d.). Retrieved from <https://multimedia.posibnyky.vntu.edu.ua/mm/Ukraine-EU/txt/04.html>.

Ukraine entered the 20 most influential countries in the world according to the ranking of influence (n.d.). Retrieved from <https://minre.gov.ua/2023/03/05/ukrayina-uvijshla-do-20-najvplyvovishyh-krayin-svitu-za-rejtyngom-vplyvovosti/#:~:text=>

Ukraine strengthened its position in the Global Food Security Index (2022). Retrieved from <https://eba.com.ua/ukrayina-zmitsnyla-pozytsiyi-v-globalnomu-indeksi-prodovolchoyi-bezpeky/>.

UN (2023). Chernobyl: Survivors reflect on nuclear accident, Russian occupation. Retrieved from <https://news.un.org/>.

United Nations Department of Economic and Social Affairs, Population Division (2022). World Population Prospects 2022: Summary of Results, 52

United Nations: Black Sea Grain Initiative Joint Coordination Centre (2023). Retrieved from <https://www.un.org/en/black-sea-grain-initiative/vessel-movements>.

Vasylytsiv, T. & Lupak, R. (2019). Social Security of Ukraine and the EU: aspects of convergence and improvement of migration policy. URL : <http://www.baltijapublishing.lv/index.php/issue/article/view/704>.

Vaughan, C.A., Ghosh-Dastidar, M. & Dubowitz, T. (2018). Attitudes and Barriers to Healthy Diet and Physical Activity: A Latent Profile Analysis. *Health Educ Behav*, 45, 381-393.

Verkhovna Rada of Ukraine. (2022). Draft Law on Amendments to the Law of Ukraine 'On the State Budget of Ukraine for 2022' regarding the creation of a fund for liquidation of the consequences of armed aggression No. 8027 dated 13.09.2022. Retrieved from <https://itd.rada.gov.ua/>.

Viiskovyi khortynh Ukrainy. (2023). Mizhnarodnyi naukovo-populiarnyi zhurnal: vebsait. Retrieved from <https://military-khortynh.org.ua/category/slovo-zbroia/>.

Voronkova, O., Hordei, O., Barusman, A. & Ghani, E. (2019). Social integration as a direction for humanization of economic relations and improvement of social welfare. Retrieved from <https://essuir.sumdu.edu.ua/handle/123456789/76596>.

What ESG data is and how it reduces risk - an investor perspective (n.d.). Retrieved from <https://mind.ua/news/20227037-shcho-take-esg-dani-ta-yak-voni-zmenshuyut-riziki-tochka-zoru-investoriv>.

What the war means for Ukrainians with disabilities (n.d.). Retrieved from <https://www.aljazeera.com/features/2022/10/2/what-the-war-means-for-ukrainians-with-disabilities>.

World Bank Group (2023). Updated Ukraine Recovery and Reconstruction Needs Assessment. Retrieved from <https://www.worldbank.org/en/news/>.

Zakharchenko, V.I., Borisov, O.G. & Molina, E.V. (2005). Investment provision of food, 15.

Zastrow, C. & Hessenauer, S. (2012). Empowerment series: Introduction to social work and social welfare: Empowering people. Retrieved from <https://books.google.com/books?hl=en&lr=&id=14VUEAAAQBAJ&oi=fnd&pg=PP1&dq=Recommendations+for+future+improvements+What+additional+social+protection+policies+should+be+adopted+to+protect+people+with+disabilities+affected+by+w ar%3F&ots=5KPh46ZPvh&sig=Fy0ecJBoY6Eqg310Oh4XGHoGPsk>.

Zelenskyi, V. (2022). Prezydent: Ukrainskyi narod sohodni maie pokazaty yednist i vpevnenist u svoii derzhavi. Retrieved from <https://www.president.gov.ua/news/prezident-ukrayinskij-narodsogodni-maye-pokazati-yednist-i-72897>.

Zelenskyi, V. (2022a). Ukraina prodemonstruvala nadzvychainu yednist, a takozh obiednala Yevropu y pokazala spravzhnii zmist NATO – Volodymyr Zelenskyi. Retrieved from <https://www.mil.gov.ua/news/2022/04/24/ukraina-prodemonstruvala-nadzvichajnu-ednist-a-takozhobednala-evropu-j-pokazala-spravzhnij-zmist-nato-%E2%80%93-volodimir-zelenskij/>.

Žuk, P. (2022). Commentary National energy security or acceleration of transition? Energy policy after the war in Ukraine. Retrieved from <https://www.sciencedirect.com/science/article/pii/S2542435122001362>.

MHP company (2023). Official site. Retrieved from <https://mhp.com.ua/uk/pro-kompaniiu>.

