Ministry of Education and Science of Ukraine

Sumy State University
Oleg Balatskyi Academic and Research Institute
of Finance, Economics and Management

SOCIO-ECONOMIC CHALLENGES

Proceedings
of the International Scientific and Practical Conference

(Sumy, November 3-4, 2020)



Sumy Sumy State University 2020 330.3:005(063) S62

Editor-in-Chief

Prof., Dr. *Vasilyeva Tetyana*, Director of Oleg Balatskyi Academic and Research Institute of Finance, Economics and Management, Sumy State University

Editorial Board:

Prof., Dr. Dyakonova Iryna, Sumy State University, Ukraine;

Prof., Dr. Kuzmenko Olha, Sumy State University, Ukraine;

As. Prof., Dr. Lyulyov Oleksiy, Sumy State University, Ukraine;

As. Prof., Dr. Shvindina Hanna, Sumy State University, Ukraine;

As. Prof., Dr. Shkarupa Olena, Sumy State University, Ukraine;

As. Prof., PhD. Bhola Khan, Yobe State University, Nigeria;

As. Prof., PhD. *Dipra Jha*, School of Hospitality Business Management, Washington State University

Approved by the Academic Council of Sumy State University (protocol № 5, 12 November 2020)

Socio-Economic Challenges: Proceedings of the International Scientific and Practical Conference, Sumy, November 3–4, 2020 / edited by Prof., Dr. Vasilyeva Tetyana. – Sumy: Sumy State University, 2020. – 511 p.

Proceedings of the International Scientific and Practical Conference "Socio-Economic Challenges" are devoted to finding a systemic solution to multidisciplinary problems in the field of modern development, management, administration of various systems, corporate social responsibility, innovation management in various fields of environmental management.

For scientists, scientists, students, graduate students, representatives of business and public organizations and higher education institutions and a wide range of readers.

330.3:005(063)

	TABLE OF CONTENTS	P.
Tetiana Vasylieva, Iryna Didenko, Vladyslav Smiianov, Soldatenko Darina	INFLUENCING THE FACTORS OF COMMUNITY HEALTH INTO THE DIFFERENTIATION OF REGIONS OF UKRAINE FOR BECOMING ILL ON COVID 19	13
Tetyana Vasilyeva, Serhiy Lieonov, Nataliia Letunovska	THE ECONOMIC IMPACT OF COVID-19: FORECASTING FOR UKRAINIAN REGIONS	18
Yuriy Petrushenko, Natalia Zemliak, Sofia Petrenko	THE IMPACT OF EDUCATION ON MIGRATION	23
Serhiy Lyeonov, Aleksy Kwilinski, Denys Pudryk, Shaforost Yuliya	INTERNATIONAL MIGRATION AND DEMOGRAPHIC CHANGE: BIBLIOMETRIC ANALYZING AMONG RESEARCHERS USING SCOPUS AND GOOGLE SCHOLAR	27
Iryna Dehtyarova, Leonid Melnyk, Oleksandr Kubatko,	SOCIO-ECONOMIC EFFECTS OF DISRUPTIVE TECHNOLOGIES	34
Oleksandr Kubatko, Iryna Sotnyk, Alona Olondar	ESTIMATION OF THE CORONAVIRUS CRISIS IMPACT ON THE ENERGY AND ECONOMIC SECURITY OF THE NATIONAL ECONOMY	42
Oleksandra Karintseva, Oleksii Goncharenko, Mariia Myslovskaya, Oksana Hrinevich	ASSESSMENT OF CONSEQUENCES OF THE VIRTUAL REALITY ECO-TOURS ADVANCING IN THE CONTEXT OF SUSTAINABLE DEVELOPMENT AND THE COVID-19 PANDEMIC	50

Viktor Sabadash, Oleksandra Karintseva, Mykola Kharchenko, Viktoriia Sabadash	ACCESS AND RESOURCE ALLOCATION IN THE GLOBAL ECONOMY: CHALLENGES OF POST-INDUSTRIAL SOCIETY	61
Shaparenko S.	SOCIO-ECONOMIC PRECONDITIONS FOR THE DEVELOPMENT OF ENERGY NETWORKS	69
Bilan A.	BLOGGER IS A MODERN PROFESSION	77
Ancibor T.	OPENING YOUR OWN HAIRDRESSING SALON AS A BUSINESS	84
Vorobyouv I.	OPENING YOUR OWN FARM-STYLE CAFE	92
Bondarenko Alla, Piven V.S.	ADVANTAGES AND DRAWBACKS OF SALES PROMOTION OF GOODS	100
Maksym Kirilenko, MU Jianming	PROBLEMS OF IMPLEMENTATION OF INDUSTRY 4.0 IN UKRAINE	106
Leonid Taraniuk, Hongzhou Qiu, Karina Taraniuk, Serafima Shakhova, Samuel Bot	ANALYSIS ON APPLICATION AND CONTRIBUTION OF INTERNET OF THINGS TO LOGISTICS ENTERPRISES IN THE CONTEXT OF GLOBALIZATION	114
Vitaliia Koibichuk, Serhii Drozd	PREDICTIVE ANALYSIS OF TRENDS IN THE TOURISM INDUSTRY IN TERMS OF EU COUNTRIES	118
Iryna D'yakonova, Leonid Taraniuk, Yuri Petrushenko, Anastasiya Shebeda	FORMAL AND INFORMAL APPROACHES TO RELATIONS CENTRAL BANK OF THE COUNTIES WITH THEIR GOVERNMENT	125

Bhola Khan	THE IMPACT OF THE SECOND NATIONAL FADAMA DEVELOPMENT PROJECT ON POVERTY REDUCTION IN THE GEIDAM LOCAL GOVERNMENT OF YOBE STATE, NIGERIA	129
Olha Kuzmenko, Tatiana Dotsenko	FRONTIER ANALYSIS OF THE BANKS' FINANCIAL MONITORING EFFICIENCY CONCERNING ASSESSING THE RISKS OF MONEY LAUNDERING	134
Ponomarenko Ihor, MU Jianming	FUTURE LOGISTIC'S TECHNOLOGOIES IN CONTEXT OF INDUSTRY 4.0	138
Kateryna Zaiika, Oksana Zamora, Iryna D'yakonova	INTERNATIONAL ECONOMIC TRENDS DURING PANDEMICS: FROM PLAGUE TO CORONAVIRUS	145
Olexii Karpishchenko, Tetiana Illiashenko, Kostiantyn Illiashenko, Olexandr Tovstukha	DIGITIZATION OF THE HOUSING SERVICES AS A TOOL FOR ENSURING SUSTAINABLE DEVELOPMENT OF SETTLEMENTS	150
Tetyana Vasilyeva, Kuzmenko Olha, Kashcha M. Basanets Sofiia	ECONOMIC AND MATHEMATICAL MODELING REASONS FOR DIFFERENTIATED DEVELOPMENT OF PANDEMIC IN UKRAINE	154
Olena Boiko	TAXATION IN LIFE INSURANCE SYSTEM	158
Svitlana Ivanytska, Zatona Kateryna	PECULIARITIES OF THE ORGANIZATION OF PAYMENT AT THE ENTERPRISE	163
Oleksandr Zaitsev	INTERACTION OF FINANCIAL DEVELOPMENT AND REAL ECONOMY	167

Olha Kuzmenko, Tetyana Vasilyeva Yana Harbar, Aleksy Kwilinski Viktoriia Radko	OPTIMIZATION OF THE SYSTEM AND MECHANISM OF REGULATION OF FINANCIAL MONITORING OF INSURANCE COMPANIES	172
Serhii Mynenko, Vitaliia Koibichuk	THE BLOCKCHAIN TECHNOLOGIES IN PUBLIC ADMINISTRATION	176
Chortok Yuliia, Nechyporenko Roman, Yaskevich Anastasiya	SMART TRANSPORT AND LOGISTICS ENVIRONMENT	184
Iryna Marekha, Tetiana Makarenko	WORLD MODELS FOR ASSESING THE EFFECTIVENESS OF ENVIRONMENTAL TAXES	189
Serhii Lyeonov, Serhii Mynenko, Olha Kuzmenko, Oleksii Lyulyov, Kateryna Hrek	THE RISK OF MONEY LAUNDERING: OVERVIEW THROUGH THE OPERATIONS OF INSURANCE COMPANIES	193
Olena Bilotserkivska, Viktoriia Shcherbachenko	BRAIN DRAIN FROM UKRAINE: HOW TO SLOW DOWN AND BREAK THIS TENDENCY IN THE CONTEXT OF KNOWLEDGE ECONOMY	199
Olena Pavlenko, Ihor Maksymenko, Oleksii Shkulipa	INFLUENCE OF BUSINESS PROCESSES ON REGIONAL INFRASTRUCTURE	204
Olha Kuzmenko, Volodymyr Ovcharenko	METHODS REVIEW FOR ASSESSING THE INVESTMENT ATTRACTIVENESS OF INNOVATIVE BANK TECHNOLOGIES	209

Anastasiia Yurchenko, Viktoriia Shcherbachenko	ACTUAL PROBLEMS OF THE ECONOMY AND SOCIETY GREENING	214
Dymchenko Olena, Rudachenko Olha	STATE REGULATION OF SOCIO-ECONOMIC DEVELOPMENT OF REGIONS	219
Bozhenko Victoria, Petrova Ksenia	MODELING THE TRANSMISSION OF SYSTEMIC FINANCIAL RISK TO THE DEVELOPMENT OF THE ECONOMY'S REAL SECTOR	223
Vladyslav Shapoval, Mariia Troian	THE IMPACT OF GLOBALIZATION ON COMMUNICATION	227
Halyna Mishenina, Daria Pavlenko	AGILE METHODOLOGY OF THE PUBLIC ADMINISTRATION SYSTEM IN THE CONTEXT OF DIGITAL TRANSFORMATION OF UKRAINE	232
Ved Prakash	MEASUREMENT OF POVERTY AND SOCIO- ECONOMIC REQUIREMENTS OF BPL IN INDIA	237
Tetiana Kurbatova, Valeriia Vialkova	ANALYSIS OF INTERNATIONAL CONFLICTS: ANALYTICAL ELEMENTS AND TOOLS	243
Ahniia Havrylina	FEATURES OF NON-TRADITIONAL TYPES OF INVESTMENT	246
Pokhylko S., Eremenko A.	USING SOCIAL MEDIA PLATFORMS TO CREATE AND DEVELOP BUSINESS PROJECTS	249
Pavlo Hrytsenko, Yevhen Kovalenko, Vladyslav Popov	INNOVATIVE ACTIVITY AS A BASIS FOR SUSTAINABLE ECONOMIC GROWTH	254

Leonid Melnyk, Olena Matsenko, Vladyslav Piven	SOCIO-ECONOMIC ASPECTS OF GREEN ENERGY DEVELOPMENT: THE EXPERIENCE OF THE EU AND UKRAINE	264
Harchenko D.	ECONOMIC SECURITY AND THE FIGHT AGAINST CORRUPTION	273
Hanna Yarovenko, Olena Kolotilina	DEVELOPMENT OF METHODOLOGY FOR ASSESSING THE RISKS OF SOCIO- ECONOMIC AND POLITICAL GROWTH OF UKRAINE	285
Inessa Yarova	ENVIRONMENTAL ASPECTS OF INTERNATIONAL TRADE RELATIONS	289
Denys Smolennikov, Daria Pavlenko	STAKEHOLDER APPROACH TO PROJECT MANAGEMENT	293
Oleksandr Khadartsev	MODERN ENTREPRENEURSHIP ON THE PROJECT MANAGEMENT PRINCIPLES	297
Hanna Yarovenko, Victoria Kovach	GLOBAL TENDENCIES FOR THE IT USE IN MANAGEMENT INFORMATION SYSTEMS	300
Tatiana Shcherbyna	DIGITAL MARKETING AND INTERNATIONALIZATION OF UKRAINIAN BUSINESSES	304
Viktoriia Kubatko, Diana Bilous	THE FIGHT AGAINST CORRUPTION AS ONE OF THE TOOLS OF THE NATIONAL ECONOMY DE-SHADOWING	308
Nataliia Letunovska	CHALLENGES FOR THE HEALTH COMPONENTS OF A REGION IN THE CONTEXT OF GLOBALIZATION	312
Anna Rosokhata, Anna Chykalova	MARKETING ACTIVITIES FEATURES FOR DIFFERENT CLASSIFICATION TYPES OF BUSINESS STRUCTURES	317
Korobets Olena,	MANAGEMENT OF ENVIRONMENTAL	322

Yaroslav Reshetnyak, Yura Yula	RISKS AT THE COMPANY: THE MARKETING DETERMINANTS	
Yana Us, Tetyana Pimonenko, Oleksii Lyulyov, Yuriy Bilan, Yulia Shaforost	THE GREEN-FEMININE STEREOTYPES AS A BARRIER ON THE WAY OF GREEN BRAND DEVELOPMENT	327
Maryna Saienko, Tetyana Pimonenko, Oleksii Lyulyov, Yuriy Bilan, Svetlana Kostornova	NEW TRENDS IN MARKETING FOR SMALL AND MEDIUM ENTERPRISES	333
Ziabina Yevheniia, Tetyana Pimonenko, Oleksii Lyulyov	EFFICIENCY OF UKRAINIAN ENERGY POLICY IN THE FRAMEWORK OF CIRCULAR AND CARBON-FREE ECONOMY	337
Yurii Bilan, Yana Us, Volodimir Nesterenko, Huseynadze K.R.	PROSPECTS OF TOURISM DEVELOPMENT	342
Olena Ivakhnenko	EFFICIENT AGRO-LAND USE IN THE CONDITIONS OF GLOBAL CLIMATE CHANGE	348
Artem Artyukhov	QUALITY OF EDUCATION AND SDGS: SOCIO-ECONOMIC ASPECT	351
Nadiia Artyukhova	KNOWLEDGE MARKETING AS A TOOL FOR SOCIO-ECONOMIC GROWTH: THEORETICAL AND APPLIED BASE	355
Khomenko L.M.	SOME ELEMENTS OF MARKETING ACTIVITIES IN BLOOD SERVICE COMPANIES: CONTENT STRATEGY OF THE SITE	360

Shkarupa O.V., Mayboroda T.M., Kalchenko Y.	SCALING ECO-INNOVATIONS BASED ON SOCIO-ECONOMIC EFFECTS IN THE "ENTERPRISE-REGION-STATE" SYSTEM	365
Oleh Dudchenko	SOCIAL AND ECOLOGICAL RESPONSIBILITY AS A SYSTEMIC ELEMENT FOR AGRICULTURAL SUSTAINABILITY	371
Yevhen Mishenin	ORGANIZATIONAL AND ECONOMIC MECHANISMS FOR ENVIRONMENTALLY SAFE AGRICULTURAL LAND USE	380
Yuriy Derev'yanko, Olha Lukash	EVALUATION ON THE BASIS OF MODERN INDICATORS	389
Vita Hordiienko, Tetiana Semenenko, Violeta Tretynyk	INTEREST RATE AND ECONOMIC GROWTH IN UKRAINE	398
Oleksii Zakharkin, Volodymyr Novikov, Dmytro Yemelianov	COMPARATIVE ANALYSIS OF THE CONCEPTS OF VALUE ORIENTED ENTERPRISE MANAGEMENT	402
Liudmyla Zakharkina, Yevhenii Okhrimchuk	INTERNET OF THINKS IN LOGISTICS	407
Oleksii Zakharkin, Liudmyla Zakharkina	THE USE OF INDICATORS OF FINANCIAL CONDITION TO DETERMINE THE ENTERPRISE'S INVESTMENT ATTRACTIVENESS	411
Ivan Shkarupa	FACTORS AND INSTRUMENTS OF MANAGING THE EFFICIENCY OF ENTREPRENEURIAL ACTIVITY IN MODERN TRANSFORMING CONDITIONS	417

Inna Tiutiunyk, Andrii Zolkover, Sergij Lyeonov, Aleksy Kwilinski, Alina Vysochyna, Kostronova Svetlana	THE INNOVATIVE FINANCIAL TECHNOLOGIES AND ITS IMPACT ON SHADOW TRANSACTIONS	422
Larysa Hrytsenko, Oleksandra Tverezovska	EVALUATION OF PUBLIC-PRIVATE PARTNERSHIP PROJECTS' RISKS	426
Hanna Shvindina	COOPETITION MODEL OF INTERACTIONS FOR INSTITUTIONS IN A SPHERE OF EDUCATION	430
Yuliia Humenna, Semen Tymoshenko	MERITS AND CHALLENGES OF DIGITAL ECONOMY IN DEVELOPING COUNTRIES	436
Yuliia Shkodkina, Yuliia Humenna, Oleksandra Tverezovska	OBSTACLES TO START-UP IMPLEMENTATION IN THE MODERN CONDITIONS OF ECONOMIC DEVELOPMENT	440
Ihor Kobushko Iana Kobushko	CREATING MOTIVATION FOR EMPLOYEES THROUGH KPIS SYSTEM	445
Nataliia Kotenko	THE IMPACT OF INTERGOVERNMENTAL FISCAL POLICY ON LOCAL SUSTAINABLE DEVELOPMENT	451
Nataliia Antoniuk, Iryna Plikus, Alona Myronova	INDICATORS OF FINANCIAL SYSTEM SECURITY	456
Iryna Plikus, Nataliia Antoniuk	THE INFLUENCE OF DIGITALIZATION ON TRANSFORMATION PROCESSES ON THE LABOR MARKET	460

Oleksandr Zaitsev, Dmitro Nikitin	THE MECHANISM OF FINANCIAL RECOVERY OF THE ENTERPRISE SHOULD INCLUDE THE CASH AMOUNT OF THE LOAN AS PRODUCTION COSTS	466
Svitlana Kolosok, Iuliia Myroshnychenko, Yuliia Matvieieva, Denis Hryhorenko	INVESTMENT MANAGEMENT FOR SMART GRID PROJECTS: A CROSS-COUNTRY ASSESSMENT	470
Opanasiuk Yuliia, Taraniuk Karina, Maryn Matvii	TRANSITION TO GREEN ECONOMY: BASIC PRINCIPLES AND PROBLEMS	475
Viktoriia Shkola	ADVANCED DEVELOPMENT AND INTELLECTUAL CAPITAL: AN INFLUENTIAL ASSESSMENT	482
Semenog A. Mykhalova A.	THEORETICAL ESSENCE OF TRUST IN FINANCIAL SERVICES	488
Veronika Barvinok, Anna Vorontsova, Julia Sergienko	INTERNATIONAL MIGRATION AND THE COVID-19 PANDEMIC: LITERATURE REVIEW	494
Kateryna Hrek, Iryna Didenko	STUDY OF POSSIBILITIES OF THE BPW PACKAGE. DIFFERENCE ON CREATION OF DFD DIAGRAMS AND IDFO DIAGRAMS: DESCRIBE THE PROCESS OF LOGISTICS AT THE ENTERPRISE	497
Burnakova Valeriia	SUSTAINABLE DEVELOPMENT STRATEGY FOR TOBACCO INDUSTRY	502
Olena Shkarupa, Anastasija Turchyn, Kateryna Vlasenko	FORMATION OF A POSITIVE IMAGE OF WOMEN LEADERS IN PUBLIC ADMINISTRATION	506

INVESTMENT MANAGEMENT FOR SMART GRID PROJECTS: A CROSS-COUNTRY ASSESSMENT

Svitlana Kolosok, PhD, As. Prof.
Sumy State University, Ukraine
Iuliia Myroshnychenko, PhD, As. Prof.
Sumy State University, Ukraine
Yuliia Matvieieva, PhD, Sen. Lect.
Sumy State University, Ukraine
Denis Hryhorenko, student gr. EM.m-91
Sumy State University, Ukraine

Smart grid projects are of interest for investment because its increase efficiency of existing capacity of energy distributed system and affects system reliability and performance. Introducing the latest technology to optimize energy generation and distribution significantly reduce the negative link between economic growth and ensure SDG implementation. Withal, development and implementation of smart grid projects require significant investment with relatively long operating cycle and good management skills of the team. Furthermore, energy innovation tends to behavioural uncertainty of stakeholders and volatility of price on the market. The proliferation of the Covid-19 pandemic resulted in the limitation of company's investment resources and, therefore, many energy projects have been delayed. The interruption of supply chains, the decline in business revenues due to lower demand and energy prices, the uncertainty of the future contributes to the intensification of the investment crisis in the energy market. According to the report by the IEA, the most significant reduction in energy investments is expected in 2020, the corresponding decline in 20% in compare to 2019 (equivalent to 400 billion US dollars) [1]. According to report of Smart Grid Laboratories Inventory [2], almost 26,9% of the labs as initial investment have spent 100,000 - 500,000 EUR and only 11,5% manage large investments in amount between 4,000,000 - 5,000,000 EUR. Around 38.5% of labs perform the investments throughout 2 to 3 years. In the context of limited resources, the question arises of justifying the support of energy projects against alternative areas of investment.

The analysis of literature sources allows to state about a large number of scientific papers concerning the technological aspect of smart grids projects. At the same time, the issues of investment management were not reflected in detail in the context of smart grid innovation. Investment and financial issues for the development and implementation of smart grid technologies are considered in the literature in terms of incentives and regulation. The investment policy focuses on provided by government incentives for applying preferential tax rate or determine the accelerated rate of depreciation for companies that develop smart grids. Tariff

regulation, subsidies from national (or regional) taxes, state bank financing, are other regulatory incentives for investment. Besides, the introduction of an incentive tariff makes investment projects in energy technology not only socially directed but also financially self-sufficient.

Cambini et al. in [3] investigate the relationship between key market conditions, regulatory schemes and smart grid investments to enhance incentives for its deployment. In addition, the search for regulatory models for investment incentives is of great importance for realisation investment policy, while convincing tariff payers that are increasing costs does not imply an increase in rents for enterprises and operators in the supply chain. Keller et al. in [4] analyse different economic aspects with taking into account characteristics of market actors which operate in a smart grid environment. Some authors conclude that efficiency obligations and performance regulation are key tools to create a convenient regulatory policy for the deployment of smart grid investment and networks [5].

Recent studies show that investment in Smart grid projects is conducive to long-term economic growth and have a positive social and environmental impact. The smart grid technologies help customers to optimize consumption, promote ecology friendly infrastructure, which led to the reduction of environmental impact and increase the degree of security of energy supply. Impact of investment in smart grid projects on sustainable development is presented on Fig. 1.

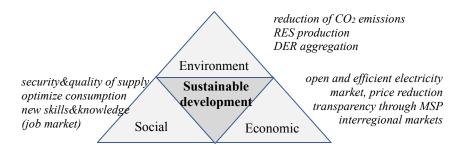


Fig. 1. Triangle of Sustainable Development and Smart Grid projects

Implementation of smart grids projects influence notably on socioeconomic development: (1) enrich the value chain through integration of interregional markets; (2) shifts consumer behavior and culture with the contribution to climate change mitigation; (3) emerges is the need for new skills and knowledge, ultimately, the job market is expanded.

However, if we analyze the recent statistics on investing in smart grids, we can visually see a decline in financing their development (Fig. 2). Over the past three years, investment has decreased in all areas except for the smart meters' development. Although development budgets have declined in absolute terms over

the years, the intellectual component of development and artificial intelligence possibilities in managing smart grids have increased [6].

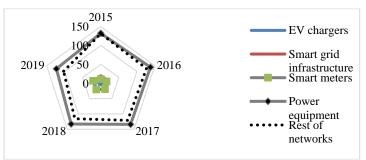


Fig. 2. Investment in smart grids, 2015-2019 (Based on IEA data from the IEA (2020), Smart Grids, https://www.iea.org/reports/smart-grids. All rights reserved; as modified by authors)

At the same time, the priority in financing the networks still falls on renewable capacity. Incentive packages in countries related to the transition to renewable energy sources support smart grids' development and their integration into the already existing energy system [7]. However, the spread of investment varies considerably across countries (Fig. 3).

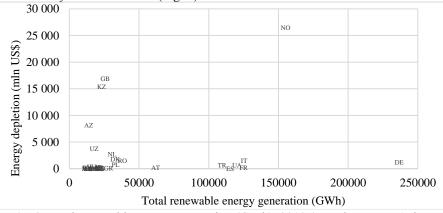


Fig. 3. Total renewable energy generation (GWh), 2019 (Based on IRENA data from the IRENA (2020), Data & Statistics, https://www.irena.org/Statistics. All rights reserved; as modified by authors)

This work was supported by the Ministry of Education and Science of Ukraine (the project No. 0119U100766 'The optimization model of smart and secure energy grids building: an innovative technologies of enterprises and regions ecologisation').

References

- 1. Chygryn, O. Y., & Krasniak, V. S. (2015). Theoretical and applied aspects of the development of environmental investment in Ukraine. Marketing and management of innovations, (3), 226-234.
- 2. Lyulyov, O. V., & Pimonenko, T. V. (2017). Lotka-Volterra model as an instrument of the investment and innovative processes stability analysis. Marketing and Management of Innovations, (1), 159-169. http://doi.org/10.21272/mmi.2017.1-14
- 3. Toyin, O.W., Oludayol Ad., E.(2020). Dynamic Effects of Foreign Portfolio Investment on Economic Growth in Nigeria . Financial Markets, Institutions and Risks, 4(3), 5-12. https://doi.org/10.21272/fmir.4(3).5-12.2020
- 4. Marcel, D. T. Am. (2019). Impact of the Foreign Direct Investment on Economic growth on the Re-public of Benin. Financial Markets, Institutions and Risks, 3(2), 69-78. http://doi.org/10.21272/fmir.3(2).69-78.2019
- 5. Rizwan, Ch A., Semenog, A. (2017). Non-bank financial institutions activity in the context of economic growth: cross-country comparisons. Financial Markets, Institutions and Risks, 1(2), 39-49. DOI: 10.21272/fmir.1(2).39-49.2017
- 6. IEA (2020), World Energy Investment 2020, IEA, Paris https://www.iea.org/reports/world-energy-investment-2020.
- 7. Andreadou, N., Jansen, L.L., Marinopoulos, A. and Papaioannou, I. (2018). Smart Grid Laboratories Inventory 2018, EUR 29649 EN, Publications Office of the European Union, Luxembourg. doi:10.2760/983805.
- 8. Cambini, C., Meletiou, A., Bompard, E., & Masera, M. (2016). Market and regulatory factors influencing smart-grid investment in Europe: Evidence from pilot projects and implications for reform. Utilities Policy, 40, 36-47.
- 9. Keller, C., Manser, D., Vogler, S., & Wache, H. (2015, May). Classification of economic approaches for stability in smart grids. In 2015 12th International Conference on the European Energy Market (EEM) (pp. 1-5). IEEE.
- 10. Marques, V., Bento, N., & Costa, P. M. (2014). The "Smart Paradox": Stimulate the deployment of smart grids with effective regulatory instruments. Energy, 69, 96-103. doi:10.1016/j.energy.2014.01.007.
- 11. Pavlyk, V. (2020). Institutional Determinants Of Assessing Energy Efficiency Gaps In The National Economy. SocioEconomic Challenges, 4(1), 122-128. http://doi.org/10.21272/sec.4(1).122-128.2020.
- 12. Вакуленко І.А., Колосок С.І., Прийменко С.А., Матвєєва Ю.Т. Формування базису проведення енергетичних реформ із застосуванням «розумних» технологій. Вісник Сумського державного університету. Серія «Економіка», 2019. №3. С. 40-45.
- 13. Вакуленко І.А., Колосок С.І. Типологізація «розумних» екологобезпечних енергетичних рішень, адаптованих до особливостей

- вітчизняних енергомереж. Вісник Сумського державного університету. Серія «Економіка», 2019. №2. С.21-25
- 14. Chygryn, O. Y., & Krasniak, V. S. (2015). Theoretical and applied aspects of the development of environmental investment in Ukraine. Marketing and management of innovations, (3), 226-234.
- 15. Жулавський, А. Ю., Кобушко, Я. В. (2011). Фактори відтворення інвестиційного потенціалу регіону. Економічний простір, (45), 64-74.
- $16. \quad IEA~(2020), Smart~Grids, IEA, Paris~https://www.iea.org/reports/smart-grids\\$
- 17. IRENA (2020), Renewable capacity statistics 2020 International Renewable Energy Agency (IRENA), Abu Dhabi. https://www.irena.org/-/media/Files/IRENA/Agency/Publication/2020/Mar/IRENA_RE_Capacity_Statistics_2020.pdf
- 18. Salihaj, T., Pryimenko, S. (2017). Modification of the International Energy Agency Model (the IEA Model of Short-term Energy Security) for Assessing the Energy Security of Ukraine. SocioEconomic Challenges, 1(4), 95-103. DOI: 10.21272sec.1(4).95-103.2017
- 19. Bublyk, M., Koval, V., & Redkva, O. (2017). Analysis impact of the structural competition preconditions for ensuring economic security of the machine building complex. Marketing and Management of Innovations, (4), 229 240, http://doi.org/10.21272/mmi.2017.4-20
- 20. Bhowmik, D. (2019). Decoupling CO2 Emissions in Nordic countries: Panel Data Analysis. SocioEconomic Challenges, 3(2), 15-30. http://doi.org/10.21272/sec.3(2).15-30.2019.
- 21. Spremberg, E., Tykhenko, V., Lopa, L. (2017). Public-Private Partnership in the Implementation of National Environmental Projects. SocioEconomic Challenges, 1(4), 73-81. DOI: 10.21272sec.1(4).73-81.2017
- 22. Escaith, H., Khorana, S., Kerr, W.A. (2020). The Hidden Cost of Supply Chain Disruptions: Case Study of the UK's Automotive Sector. SocioEconomic Challenges, 4(3), 5-19. https://doi.org/10.21272/sec.4(3).5-19.2020
- 23. Dkhili, H. (2018). Environmental performance and institutions quality: evidence from developed and developing countries. Marketing and Management of Innovations, (3), 333-344. http://doi.org/10.21272/mmi.2018.3-30
- $24.\;$ Kendiukhov, I., & Tvaronaviciene, M. (2017). Managing innovations in sustainable economic growth. Marketing and Management of Innovations, 3, 33-42. http://doi.org/10.21272/mmi.2017.3-03

TRANSITION TO GREEN ECONOMY: BASIC PRINCIPLES AND PROBLEMS

Opanasiuk Yuliia, PhD, Senior Lecturer Taraniuk Karina, PhD, Senior Lecturer Maryn Matvii, PhD student Sumv State University, Sumv

Humanity has made significant progress in the development and spread of globalization. The price of progress is a reduction of exhaustible natural resources. Further economic development without radical changes in the existing economic model will lead to an increase in environmental threats and make sustainable development impossible.

The concept of sustainable development was enshrined at the 1992 UN Conference on Environment and Development. The main idea of it is to ensure the socio-economic development of humanity, without harming future generations. [10, 30] It was defined that the process of finding an effective mechanism for implementing the concept of sustainable development has accelerated significantly since the last economic crisis and returned the attention of scientists to the "green economy".

A large and growing body of literature has investigated the development of corporate social responsibility over the past ten years. It is an important area, which is associated with many factors: the effect of globalization processes; increasing the transparency of companies; improving the competitiveness of corporations, strengthening integration processes and adapting to the demands of the external environment and potential strategic investors.

Based on the exacerbation of these issues recently in the global sociopolitical and scientific circles, Shabranska N.I. [23] actively promoted the concept of green economy.

In 2011, the Commission on Global Sustainability of the UN Secretariat published a report entitled "Viable People, a Viable Planet: The Future is Worth Choosing". However, the publication does not include a clear set of principles of the green economy, but it gives the following characteristics:

- It is a potential driver of sustainable development and stimulates economic growth, necessary to solve the problem of poverty in the world; can provide an integrated approach to sustainable development, developed for a specific country, territory or region depending on the needs and conditions, providing social protection and stability for all segments of the population;
- It is developed for the long term and is a sustainable growth model that can withstand external influences.
- It measures progress beyond GDP.

- It promotes employment, green business and creates green jobs.
- The main emphasis is on the development of technology and innovation, cooperation, and institutionalism. [4, 8, 29]

Despite the variety of principles and characteristics of the green economy, researchers underline some general provisions inherent in all developments. Different interpretations of the green economy are generalizing – a social focus. Table 1 lists the most common of them.

Table 1 – General principles of the green economy [20]

	- General principles of the green economy [20]
Direction of	Principle
sustainable	
developmen	
t	
Economical	1. Introduction of resource-efficient and cleaner production.
	2. Stimulating innovation and more sustainable goods and
	services through public procurement on the principle of
	environmental sustainability.
	3. Fostering the development of organic agriculture.
Social	4. Providing employment, creating "green jobs".
	5. Improving public administration and providing legislative
	support.
	6. Ensuring equality and justice in relations between countries,
	within countries and between generations.
Ecological	7. Protecting biodiversity and ecosystems.
	8. Achieving resource conservation and energy efficiency.
Other	9. Finding means to achieve sustainable development.
	10. Using an integrated approach to decision making.

Moreover, these principles are formed to solve problems to ensure sustainable development, as well as aimed at meeting and complying with institutional requirements, as well as the needs of integration and international cooperation.

We believe that in most countries of the world, the model of "brown economy" is mainly used with significant negative consequences: climate change, biodiversity loss, depletion of natural resources, environmental pollution, inequality of people and countries. In general terms, this model of economy poses a threat to both present and future generations. In this regard, UN experts emphasize the feasibility of transition to a new model of green economy, which through the use of levers of influence of the state and intergovernmental bodies in economic regulation, provided new opportunities for business development based on new green technologies and greening of industrial industries [16].

Table 2 – Definition of concepts of social development [15, 20]

Name	Essence
Brown	Economic growth without considering the requirements of
economy	environmental safety, the criteria of depletion of available
	natural resources and environmental pollution.
Sustainability	It is a development that meets the needs of today's society
	without compromising the ability of future generations to meet
	their own needs (UNEP Commission).
green	An economy that contributes to human well-being and social
economy	justice while significantly reducing environmental risks and
	environmental scarcity (UNEP definition).

According to Semenyuk I.D. [22], the transition to a green economy involves complex changes in all sectors of the economy. The primary sector, which covers agriculture, fisheries, forestry, and mining, requires the most radical changes, as it is here that products are created to meet the basic needs of humanity.

We consider that agriculture should refocus on the production of organic products (without the use of chemical additives).

The introduction of the green economy technologies will change the approach to doing business in agriculture through the introduction of "landscaping", namely: the cultivation of organic products, energy crops and the economical use of fertile soils.

As far as we know, the secondary sector of the economy, which includes industry and construction, is also in dire need of new technologies with economical use of natural resources. In this context, the transition to a green economy for the country's industry is a priority; furthermore, it should be due to deep technological modernization. Besides, the greening of the economy involves the revitalization of the waste processing industry. [13, 29]

Bhowmik, D. [3] stated that the introduction of processing technologies, on the one hand, can be used to increase the competitiveness of production by reducing the cost of raw materials and their reuse, and on the other hand, to reduce the risk of human-made disasters.

Data from several sources have identified that improving energy efficiency is of great importance for Ukraine. "State Targeted Economic Program for Energy Efficiency and Development of Energy Production from Renewable Energy Sources and Alternative Fuels for 2015-2020" provides for a 20% reduction in energy intensity compared to 2010 and the approximation of relevant indicators to EU standards. To accomplish this task, it is necessary, first, to increase the level of security of energy supply, reduce Ukrainian dependence on unstable imports of energy and combustible minerals, reduce production costs and energy costs. It is

Наукове видання

СОЦІАЛЬНО-ЕКОНОМІЧНІ ВИКЛИКИ

Матеріали Міжнародної науково-практичної конференції

(Суми, 3–4 листопада 2020 року)

Стиль та орфографія авторів збережені. Організаційний комітет і редакційна колегія можуть не поділяти точки зору авторів. Автори відповідають за точність, достовірність і зміст матеріалів. Посилання на матеріали конференції обов'язкові.

Відповідальний за випуск Т. А. Васильєва Комп'ютерне верстання С. В. Миненко

Формат 60×84/16. Ум. друк. арк. 29,86. Обл.-вид. арк. 38,58.

Видавець і виготовлювач Сумський державний університет, вул. Римського-Корсакова, 2, м. Суми, 40007 Свідоцтво суб'єкта видавничої справи ДК № 3062 від 17.12.2007.