Ministry of Education and Science of Ukraine
Sumy State University
Kaunas University of Technology, School of
Economics and Business
University of Bradford, School of Management
Riga Technical University
Czech University of Life Sciences Prague
University of New Brunswick
International Centre for Enterprise and Sustainable



"ECONOMICS FOR ECOLOGY"

("EU practices of education for sustainable development")

Materials
International scientific-practical conference
(Ukraine, Sumy, May14–17, 2024)

Sumy
Sumy State University
2024

УДК: 330.15:502/504 Авторський знак: S70

The conference is held within the Jean Monnet Modules "Fostering EU Practices of Education for Sustainable Development through the Brand Language: Interdisciplinary Studies" (101085708-ESDbrandEU-ERASMUS-JMO-2022-HEI-TCH-RSCH), Jean Monet Module "Youth and Business: EU Practices for Cooperation" (101126538 — YouthBEU — ERASMUS-JMO-2023-HEI-TCH-RSCH) (2023-2026) and "Disruptive technologies for sustainable development in conditions of Industries 4.0 and 5.0: the EU Experience (101083435 — DTSDI — ERASMUS-JMO-2022-HEI-TCH-RSCH)"



Editor-in-Chief Prof., Dr. Oleksandra Karintseva, head of the economics, entrepreneurship and business administration, Sumy State University

Approved by the Academic Council of SSI BIEM of Sumy State University (protocol №2, 5 September 2024)

Economics for Ecology: Proceedings of the International Scientific and Practical Conference, Sumy, May 14–17, 2024 / edited by Karintseva Oleksandra and Kubatko Oleksandr. – Sumy: Sumy State University, 2024 – 103 p. (*electronic edition*)

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

TABLE OF CONTENTS

Yevhen Mishenin,	FACILITATION IN THE MANAGEMENT OF	6
Inessa Yarova	SUSTAINABLE SPATIAL DEVELOPMENT OF	
	FORESTRY	
Yevhen Mishenin,	ENVIRONMENTAL TAXATION IN THE	8
Inessa Yarova	SYSTEM	
	OF SOCIO-ECOLOGICAL AND ECONOMIC	
	SECURITY	
Konoplenko Andrii	ANALYSIS OF THE IT OUTSOURCING	11
1	MARKET: TRENDS AND FORECASTS	
Wenyan Liu	A CITATION AND PUBLICATION	13
	PERFORMANCE ANALYSIS ON INNOVATION,	
	BUSINESS AND DIGITALISATION	
Vladyslav Piven,	THE IMPACT OF DEMOCRACY ON	15
Oleksadra	SUSTAINABLE DEVELOPMENT: A CASE OF	
Karintseva	THE EU	
Raminta	FINANCIAL AND INNOVATION	17
Vaitiekuniene,	PERFORMANCE OF THE COMPANIES IN THE	
Kristina Sutiene,	CONTEXT OF GREEN DEAL TARGETS	
Rytis Krusinskas,		
Bohdan Kovalov		
Artem Borukha,	DISRUPTIVE TECHNOLOGIES TO ENSURE	21
Oleksandr Kubatko	ECONOMIC AND RESOURCE SECURITY OF	
	UKRAINE	
Iryna Burlakova,	THEORETICAL AND INSTITUTIONAL	23
Anastasiya	FOUNDATIONS OF SOCIAL SOLIDARITY	
Kuzchenko,	ECONOMY	
Zumrut Alic		
Chang Shengchun	THE IMPACT OF THE DIGITAL ECONOMY ON	25
	CARBON REDUCTION POTENTIAL	
Mykhailo Chortok	THE ROLE OF SOCIAL SOLIDARITY	29
•	ECONOMY FOR SUSTAINABLE	
	DEVELOPMENT ESTABLISHING	
Yuliia Chortok,	FAIR-TRADE AS A TREND FOR SOCIAL	31
Solodovnyk O.	SOLIDARITY ECONOMY DEVELOPMENT	
Du Shutong	ESG POLICY IN BANKING AND FINANCES	33
J	SECTOR: CASES OF EUROPEAN COMPANIES	
Gaweł Sołowski	MICROBIAL HYDROGEN PRODUCTION'S	35
	RECENT ACHIEVEMENTS	
Inna Koblianska	TOWARDS PROACTIVE POLICY: A	42
	FRAMEWORK FOR SAFE AND SUSTAINABLE	
	FERTILISER MANAGEMENT	

Yuliia Lukianova	PACKAGE LABELING AND SUSTAINABLE DEVELOPMENT	45
Helena E. Myeya	STAKEHOLDERS' ROLE IN IMPROVING	49
Heiena E. Myeya	SMALLHOLDER FARMERS' RESILIENCE TO	42
	CLIMATE CHANGE EFFECTS IN CENTRAL,	
	TANZANIA	
Anna Shcherbak,	PROJECT-BASED LEARNING AS A METHOD	53
Olena Nazarenko	OF FOREIGN LANGUAGE TEACHING	33
	STRATEGIC MANAGEMENT IN SMALL IT	55
Iryna Sotnyk,	BUSINESS SECTOR	33
Maryna Nikulina Oleksandra Pavliv		57
Oleksanara Pavliv	VIRTUAL EXCHANGE PRACTICE AS A	37
	PROCESS OF DEVELOPING SOCIOCULTURAL	
171 1 1 D:	COMPETENCE	50
Vladyslav Piven,	ECONOMIC GROWTH AND SUSTAINABLE	59
Oleksandr Kubatko	DEVELOPMENT: THEORETICAL ANALYSIS OF	
T . C 11 1	KEY FACTORS	<i>C</i> 1
Tetyana Sakhnenko,	STIMULATING BIOGAS PRODUCTION:	61
Viacheslav	ECONOMIC JUSTIFICATION	
Voronenko		- 1
Iryna Sotnyk	DEVELOPMENT OF REMOTE EMPLOYMENT	64
	AS A RESPONSE TO MODERN SOCIAL	
	CHALLENGES IN UKRAINE	
Iryna Sotnyk,	SHAPING THE DECARBONIZED FUTURE OF	66
Jan-Philipp Sasse,	THE ELECTRICITY INDUSTRY IN UKRAINE	
Evelina Trutnevyte		
Iryna Sotnyk,	COST-EFFICIENT AND GREEN:	70
Tetiana Kurbatova	TRANSFORMING HOUSEHOLD HEATING IN	
	UKRAINE FOR A SUSTAINABLE FUTURE	
Iryna Ushchapovska	FROM THE LANGUAGE THAT SUSTAINS TO	73
	THE LANGUAGE OF SUSTAINABLE	
	DEVELOPMENT	
Vnuchkova	GAMIFYING SUSTAINABILITY EDUCATION	76
Viktoriia,	FOR CULTURALLY DIVERSE CLASSROOMS	
Chulanova Halyna		
Wang Fujin	KEY ELEMENTS OF SUCCESSFUL ESG	79
	POLICY: EUROPEAN EXPERIENCE	
Wang Yimeng	THE IMPACT OF DIGITAL ECONOMY ON THE	81
	EFFICIENCY OF GREEN TRANSFORMATION	
	IN CHINESE CITIES	
Kostiantyn	HARNESSING GENERATIVE ARTIFICIAL	84
Zavrazhnyi,	INTELLIGENCE FOR SUSTAINABLE BUSINESS	
Anzhelika Kulyk	TRANSFORMATION	

Amina Gura,	FUNCTIONING OF THE ENTERPRISE IN THE	87
Oleksandra Kubatko	CONDITIONS OF WAR: SOCIO-ECONOMIC,	
	ENERGY AND ENVIRONMENTAL	
	CONSEQUENCES	
Ding Lin,	ECONOMIC, ECOLOGICAL AND RENEWABLE	90
Oleksandra Kubatko	ENERGY ASPECTS OF PETROCHINA	
	COMPANY ACTIVITY	
Tetyana Sakhnenko,	RESTRUCTURING OF ECONOMIC SYSTEMS IN	94
Oleksandr	THE DIRECTION OF ENSURING SUSTAINABLE	
Ponomarenko,	DEVELOPMENT	
Oleksandr Kubatko		
Jerzy Gilarowski	TOURISM AS A WAY OF DEVELOPMENT AND	96
•	INTEGRATION OF SUB-SAHARAN AFRICA	
Ponomarenko Ihor	ECOLOGICAL TRANSFORMATION: CURRENT	98
	TRENDS IN THE IMPLEMENTATION OF	
	GREEN TECHNOLOGIES	
Pavlo Hrytsenko,	THE ROLE OF VIRTUAL BUSINESS	101
Tao Senlin	ENVIRONMENTS IN "GREEN ECONOMY"	
	ENTITIES	

THEORETICAL AND INSTITUTIONAL FOUNDATIONS OF SOCIAL SOLIDARITY ECONOMY

Iryna Burlakova, PhD, As. Prof., Anastasiya Kuzchenko, student Zumrut Alic, student Sumy State University, Ukraine

Social solidarity economy (SSE) is an alternative form of building economic relations. This model can play an important role in overcoming existing social and economic crises, in particular, reducing the negative consequences of the COVID-19 pandemic [1]. CCEs are recognized as an important lever to stimulate an inclusive and fair transition to green and digital technologies, support social innovation, strengthen local development and job creation, and support vulnerable groups [2].

In a broad sense, the social solidarity economy refers to such forms of labor organization that make it possible to combine economic, social and environmental goals and objectives. In a narrow sense, the social solidarity economy is understood as a form of labor organization that uses the principles of solidarity interaction of members of the economic system and in which social and ecological interests prevail over economic ones, that is, economic results are considered as a means of achieving social goals [3]. The social solidarity economy is significantly different from the public and private sectors in terms of its functioning principles, acting as the so-called "third sector" as an alternative form of organization of social work. The social solidarity economy is characterized by the use of ethical principles and collective solidarity responsibility on the way to the sustainable development of socio-economic and ecological systems.

In modern scientific literature, there are several approaches to the structuring of the social solidarity economy and its holistic understanding. These approaches are based on the relevant criteria that underlie the classification of SSE subjects and determine the manner of its functioning. Social solidarity economy includes several subjects [1], in particular, associations, cooperatives, mutual societies belong to the sphere of SSE in most countries, while the inclusion of public funds and social enterprises remains an open question. Social solidarity economy actors act as a driving force for urban development, often being small or medium-sized organizations that focus on local development, although there are examples of actors that have reached the macroeconomic or international level with a global reach [4].

The lack of perfect competition and perfectly circulating information, the concentration of market subjects can lead to an imbalance in the production of goods, insufficient provision of collective benefits and the emergence of negative external effects in the economy. There is a problem of insufficient consideration of the interests of future generations of people. The deficit of budget funds and

political interests can reduce the efficiency of solving market problems by the state, in particular in the production of collective goods. Social solidarity economy actors are able to partially fill the gaps between the market and the state, mitigating concentrated market power and providing relative advantages to certain participants through collective action [5].

A promising form of organization of the social solidarity economy is platform cooperatives as subjects of local development in the transition to sustainable development of communities. Platform cooperatives implement innovative business projects using digital technologies. The use of the digital environment enables cooperative members to meet to exchange goods and services [6]. This gives the entities of this form of SSE certain advantages in the development of their capabilities. Cooperative platforms operate on the principles of common ownership and enable their members to collectively control production processes and make decisions regarding the development of an online platform. These actors have developed in specific sectors as childcare, transport, urban recycling, data entry, catering, accommodation and support to small and medium enterprises.

References

- 1. OECDiLibrary. (2020). Social economy and the COVID-19 crisis: current and future roles. Retrieved from https://doi.org/10.1787/f904b89f-en [in English].
- 2. OECDiLibrary. (2018). Job Creation and Local Economic Development. Preparing for the Future of Work. Retrieved from https://doi.org/10.1787/9789264305342-en [in English].
- 3. Melnyk L.G., Degtyareva I.B., Shkarupa E.V., Chigrin E.Y. (2014) Sotsyalnaia y solydarnaia ekonomyka pry perekhode k sesteinovomu razvytyiu: opyt ES [Social and solidarity economy in the transition to sustainable development: the EU experience]. Mekhanyzm rehulyrovanyia эkonomyky Mechanism of economic regulation, 4, 89–99.
- 4. World Economic Forum. (2022). Unlocking the Social Economy: Towards an inclusive and resilient society. Retrieved from https://www.weforum.org/publications/unlocking-the-social-economy-towards-an-inclusive-and-resilient-society-davos2022/ [in English].
- 5. The Organization for Economic Co-operation and Development. (2023). What is the social and solidarity economy? A review of concepts. Retrieved from https://doi.org/10.1787/dbc7878d-en [in English].
- 6. OECD. (2023). Platform cooperatives and employment: An alternative for platform work. Retrieved from https://www.oecd.org/cfe/platform-cooperatives-and-employment-3eab339f-en.htm [in English].