

WSPÓŁCZESNE TRENDY I WYZWANIA

PRZEDSIĘBIORCZOŚCI, BEZPIECZEŃSTWA I LOGISTYKI

EDUKACJA ORAZ B+R JAKO POLSKI TOWAR EKSPORTOWY

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Redakcja naukowa

Sylwia Skrzypek-Ahmed, Tomasz Wołowicz

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SPIS TREŚCI

Wstęp	23
--------------------	-----------

Tomasz Wołowicz, Sylwia Skrzypek-Ahmed, Paul Vincent, Haruna Muhammad Awwal

Research on stimulating entrepreneurship by LGU's and their analysis	27
Introduction	28
Local business development factors	30
The level of fiscalism in the field of real estate tax and the increase in the number of new companies	34
Impact of taxation on local business development	40
Social and economic development of the commune in the context of the level of own tax revenues	44
Development of local entrepreneurship from the perspective of various support instruments - financial and non-financial	48
Conclusions	51
Bibliography	52

Sylwia Skrzypek-Ahmed, Andrzej Gwiżdż, Nghargbu K'tso, Jerzy Gilarowski

Evolution of the process management concept in an organisation including quality systems (selected problems)	53
Introduction	54
The concept and essence of the process	56
Process management concept development	59
Conclusions	62
Bibliography	64

Chukwunonso Etal, Andrzej Gwiżdż, Diana Ismailova, Emanuel Józefacki, Magdalena Gawrońska

The processes innovation model	66
Introduction	67
Stages of the innovation design management cycle	68
Life cycle of process innovations	70
Methodology for implementing process management	70
Process design	71
Functional management and process management	73
Conclusions	77
Bibliography	77

*Sylvia Skrzypek-Ahmed, Artem Artyukhov, Artur Kornatka, Hannatu Umar,
Magda Ahmed*

Innovation as a stimulant for economic growth and economic competitiveness	79
Introduction	80
Innovation at the company level	81
Definitions of innovation in the world literature and types of innovation	84
Conclusions	92
Bibliography	94

*Sylvia Skrzypek-Ahmed, Andah Ruth A., Indira Karibayeva, Krzysztof Dyrek,
Marcin Szkudlarek*

Innovation activity as a process of uncertainty	96
Introduction	97
Innovation in a multidimensional perspective	98
Innovation activity as an economic and social process	100
R&D as a specific type of innovative activity	101
Types of innovation activity by time factor	103
Innovative company	106
An innovation active company and the gradation of innovativeness	107
Diffusion of innovation and degree of novelty	110
Conclusions	110
Bibliography	112

*Magda Ahmed, Iwona Kawka, Gbenga Ibileye, Bashir Adewale Adeniyi, Usman
Alhaji Yusuf, Tomasz Połomski*

Change management in the implementation of new products	114
Introduction	115
How to implement change – change management in practice	117
Implementation of new services as a change in the organization	118
Stages of adaptation to change	121
Rules for making changes	121
Professional management of implementation of new products / services on an individual level	122
Conclusions	125
Advantages of the customer relationship building process	127
Bibliography	130

Ruth Andah

Effect of social entrepreneurship on community development in Pyakasa Settlement Abuja Municipal – Area Council, Federal Capital, Territory Nigeria	133
Introduction	134
Literature review	138

Conceptual review – Social entrepreneurship concepts.....	138
Empirical review.....	140
Theoretical review.....	142
Methodology	143
Results and discussion	145
Descriptive statistics.....	145
Ordinal regression results	147
Model fit for ordinal logistics regression analysis	149
Discussion of findings	150
Conclusion and recommendations	151
Bibliography	152

Piotr Zawada, Maciej Chrzanowski

Wykorzystanie narzędzi ai w procesie budowania marki osobistej

– szansa dla twórców czy droga do redukcji autentyczności?	155
Wprowadzenie	156
Dynamiczny rozwój rozwiązań opartych na generatywnej sztucznej inteligencji wspomagającej tworzenie multimodalnych treści (w tym treści wzmacniających proces budowania marki osobistej) – przegląd literatury ...	157
Rekomendacje do dalszych badań i dyskusji	162
Bibliografia	163

Kostiantyn Pavlov, Olena Pavlova, Oleksandr Dluhopolskyi, Tetiana Ostapenko

The concept of nano-economy knowledge impacts of the business

environment in Ukraine	165
Introduction	166
Literature review	168
Methods	169
Results	169
Discussion	175
Conclusions	176
Bibliography	176

Liudmyla Alieshchenko

The essence of strategic management for tourism enterprises	179
Bibliography	189

Tetiana Sak, Ihor Chulipa

Digital marketing: analysis of current trends in Ukraine and worldwide	190
Introduction	191
Analysis of Digital Marketing in the World and Ukraine	192
Diagnosis and Current Trends in Social Media Marketing	196
The Development of Influencer Marketing Worldwide	203

Analysis and Current Trends in Email Marketing	204
Directions of Digital Marketing Development	207
Conclusions	208
Bibliography	209

Larysa Yushchyshyna

Energy management – state and prospects of development in Ukraine	210
Introduction	211
Analysis of the Damage from Russian Aggression in Ukraine’s Energy Sector	211
Implementation of Energy Management Systems in Ukraine	214
Energy Management in the Restoration and Development of Ukraine’s Energy Sector	217
Conclusions	220
Bibliography	221

Małgorzata Lalak-Dybala

Wykorzystanie nowych technologii w opiece pielęgniarstwie	224
Telemedycyna i telepielęgniarstwo	225
Elektroniczna dokumentacja medyczna (EDM)	227
Robotyka w pielęgniarstwie	228
Noszone technologie medyczne – Wearable	229
Sztuczna inteligencja w pielęgniarstwie	230
Nowe technologie w sytuacjach zagrożenia życia	230
Podsumowanie	231
Bibliografia	232

Sylwia Skrzypek-Ahmed, Andrew E. Zamani, Krzysztof Dyrek, Iloh, John Paul Izuchukwu & Nwammuo Collins

Internationalisation and globalisation of business and the international environment of the company in the context of global marketing	234
Introduction	235
International business	236
Globalization of the enterprise	238
Globalization of the economy and marketing operations and internationalization of marketing	243
The process of business internationalization	246
International Marketing in the Context of Export Internationalization	248
Conclusions	253
Bibliography	254

Jerzy Gilarowski, Anna Wiśniewska, Nghargbu K'tso, Hannatu Umar, Agnieszka Lamb

Economic determinants of international entrepreneurship – globalisation and global business	256
Introduction: International trade - globalization and the entrepreneurial process	257
International trade	258
The essence and concept of international business and international entrepreneurship	265
Enterprise globalization	269
International entrepreneurship	270
Globalization and the process of business internationalization	273
Conclusions	277
Bibliography	279

Paweł Barwiak, Olayemi Akinwumi, Mohammed Suleiman Audu, Igor Chulipa, Przemysław Bochenek, Olga Lel

Financial statements as a basic source of information for financial analysis	283
Introduction	284
Accounting and economic and financial analysis in business management	286
Accounting policy	287
Difference between financial analysis and accounting	289
Economic analysis and financial planning	290
Links and complementary analyses - multidimensional evaluation of the company	291
Conclusions	293
Bibliography	294

Adam Radziszewski

Współczesne trendy i wyzwania w przedsiębiorczości firm usług społecznych na przykładzie PES oraz spółki z o.o.	297
Wstęp	298
Współczesne trendy i wyzwania w PES	299
Proces powstawania innowacji w PES	300
Identyfikowanie potrzeb w usługach społeczno-gospodarczych	300
Generowanie innowacyjnych rozwiązań	301
Wdrożenie pilotażowe rozwiązań	301
Podtrzymanie rozwiązania	301
Upowszechnianie innowacji.....	302
Zmiana systemowa projektów innowacyjnych	302
Współczesne trendy i wyzwania w spółkach z o.o.	302
Co każdy z partnerów może wnieść do współpracy?	304
Trendy i zarazem wyzwania dla spółek z o.o.	304

Rekomendacje – rekomendowane zasady dobrej współpracy	306
Podsumowanie	307
Bibliografia	308
 <i>Bożena Korzeniewska</i>	
Bezpieczeństwo finansowe przedsiębiorstw w kontekście ubezpieczeń społecznych i ubezpieczenia zdrowotnego	309
Wprowadzenie	310
Istota bezpieczeństwa finansowego przedsiębiorstw	311
Polityka w zakresie ubezpieczeń społecznych	313
Polityka w zakresie ubezpieczenia zdrowotnego	320
Inne obciążenia publicznoprawne	324
Wpływ ubezpieczeń społecznych i ubezpieczenia zdrowotnego na bezpieczeństwo finansowe przedsiębiorstw	326
Podsumowanie	329
Bibliografia	330
 <i>Ihor Lishchynskyy, Mariia Lyzun</i>	
Concept of urban development poles and their sustainability within global economic flows	333
Introduction	334
The emergence of the ontology of urban development poles	334
Typology of development poles	339
The effects of developmental poles	342
The idea of development axes	345
Sustainability of development poles in the context of globalization	347
Bibliography	362
 <i>Miroslav Gejdoš, Urszula Anisiewicz</i>	
Alcide de gasperi – pensatore e ideatore del progetto di integrazione europea	368
Introduzione	369
La vita	370
La dimensione spirituale di Alcide De Gasperi	373
La famiglia di De Gasperi	374
Statista De Gasperi	375
L’omaggio del papa Benedetto XVI reso all’ Alcide De Gasperi	378
Conclusion	378
Bibliografia	379
 <i>Hanna Kostoviyat, Viacheslav Rogov</i>	
The theoretical foundations of enterprise’s digital transformation	380
Conclusion	399
Bibliography	400

Hanna Zhosan, Gabriel Jerry Otu

Analysis of the role of digitalization in enhancing the efficiency of business operations	401
Bibliography	412

Anastasiia Simakhova, Vladislav Smyk

Us and eu experience in franchising development for Ukraine in postwar period ...	413
Introduction	414
The main problems in organizing a franchise business in Ukraine	414
US and EU experience in franchising development for Ukraine	417
Conclusions	425
Bibliography	426

Olena Ivashko

Venture capital investments – current trends and development factors	427
Introduction	427
Prerequisites for the development of venture capital investment	428
The essence of venture capital	429
Current global trends in venture capital financing	433
Trends in the Ukrainian venture capital market	436
Conclusions	440
Bibliography	440

Iryna Tsymbaliuk

Inclusive labor market development through green economy and social responsibility	442
Introduction	443
Overview of Global Labor Market Challenges Related to the Transition to a Green Economy	444
The Role of Corporate Social Responsibility in Supporting Inclusive Growth	446
Labor Market Gaps: Gender and Economic Aspects	450
Green Economy and Gender Equality Through the Lens of Corporate Social Responsibility	452
The Role of Government and Business Policies in Reducing Inequalities through Inclusive Approaches	453
Conclusions	455
Bibliography	456

Włodzimierz Martyniuk, Norbert Kosior

Rynek pracy polski w obliczu zmian demograficznych	458
Wprowadzenie	459
Cel artykułu	459
Badanie prac naukowych	460

Część główna	461
Podsumowanie	467
Bibliografia	467
 <i>Adam Radziszewski</i>	
Współczesne trendy i wyzwania w przedsiębiorczości firm usług społecznych na przykładzie PES oraz spółki z o.o.	469
Wstęp	470
Współczesne trendy i wyzwania w PES	471
Proces powstawania innowacji w PES	472
Identyfikowanie potrzeb w usługach społeczno-gospodarczych	472
Generowania innowacyjnych rozwiązań	473
Wdrożenie pilotażowe rozwiązań	473
Podtrzymanie rozwiązania	473
Upowszechnianie innowacji.....	474
Zmiana systemowa projektów innowacyjnych	474
Współczesne trendy i wyzwania w spółkach z o.o.	474
Co każdy z partnerów może wnieść do współpracy?	476
Trendy i zarazem wyzwania dla spółek z o.o.	476
Rekomendacje – rekomendowane zasady dobrej współpracy	478
Podsumowanie	479
Bibliografia	480
 <i>Janusz Gudowski, Tomasz Wołowiec, Joe-Ikechebelu Etal, Robert Szarota, Tatiana Varcholova, Stanisława Podkowińska</i>	
Statistical and econometric data – verification and management in economics, finance and transport & logistic management	481
Introduction	482
The need for seasonal adjustment of time series in the context of data reliability	485
Multi-equation models in the process of creating reliable data	488
Indirect method of least squares	493
Consumer theory – spending systems	498
Exponential smoothing	499
Conclusions	502
Bibliography	506
 <i>Tomasz Wołowiec, Dariusz Woźniak, Robert Szarota, Nghargbu K'tso, Rifkatu Nghargbu</i>	
Selected issues of modelling and simulation in the teaching of economic courses in transport, logistics and management	508
Introduction	509
Simulation	512
Marginal function.....	513

Assumptions	513
Functional flexibility	515
Flexibility of cost functions and their calculation	517
Optimization models	518
Dynamic models in economics	521
Economical dynamic models with discrete time	523
Functions and their properties	525
Conclusions	533
Bibliography	533
<i>Bohdan Samoilenko, Liubov Starodubtseva, Tetiana Dluhopolska</i>	
Mechanisms for ensuring state regulation of the logistics services market in the context of sustainable development	
	536
Introduction	537
Literature review	539
Methods	539
Results	540
Discussion	551
Conclusions	552
Bibliography	552
<i>Aleksandra Nazar</i>	
Współczesne oblicza przedsiębiorczości, bezpieczeństwa, transportu i logistyki	
	555
Wprowadzenie	556
Współczesne oblicza przedsiębiorczości	557
Bezpieczeństwo w kontekście współczesności	561
Transport w erze współczesności	565
Logistyka jako kluczowy element efektywności	569
Podsumowanie	572
Bibliografia	573
<i>Tomasz Wołowicz, Lyubomir Antonov, Mariusz Paździor</i>	
Road transportation law – selected legal and economic conditions in Poland and Bulgaria	
	574
Introduction	575
The subject matter of the Road Transport Act in Poland and of the Automobile Transport Act in Bulgaria	577
Definitions related to road transport	578
Requirement to operate a motor vehicle used for transport by the entrepreneur or his employees	582
Requirement for the entrepreneur to have a title to dispose of motor vehicles	584
Regular transport	585

Special regular transport	586
Combined transport	589
License & Permit in road transport	592
Conclusions	601
Sources of transport law in Poland	602
Bibliography	604
<i>Tomasz Wołowicz, Leszek Gil, Artur Dmowski, Joe-Ikechebelu Etal</i>	
Economics of transport and the efficiency and rationality	
of decision-making	607
Introduction	608
Sectoral economies as a managerial economics	610
Rationality of expectations	612
Rational behaviour in the decision-making proces	614
Budget Constraint Line and Consumer Optimum	618
Conclusions	622
Bibliography	623
<i>Marta Grzeszczuk</i>	
Elementy uproszczonego postępowania administracyjnego w odniesieniu	
do sektora transportu drogowego	625
Wstęp	626
Uprozczone postępowania administracyjne	
w systemie przepisów procedury administracyjnej	626
Specyfika postępowania w sprawach skarg i wniosków uregulowanego	
w Kodeksie postępowania administracyjnego	629
Wybrane elementy kodeksowego postępowania skargowego w obszarze	
transportu drogowego	632
Zakończenie	635
Bibliografia	636
<i>Dominika Cinner</i>	
Logistyka XXI – innowacje w logistyce	638
Czym jest logistyka?	638
Główne determinanty rozwoju logistyki	639
Blockchain i logistyka	640
Big Date dla logistyki	641
Obszary wykorzystywania sztucznej inteligencji w logistyce	643
Internet Rzeczy IoT	644
Zakończenie	645
Bibliografia	645

Miroslav Gejdoš

Education reform in Slovakia	647
Introduction	648
Hopes of improving the education system	648
Training content in cycles	649
A vision of education for the 21st century	650
Change will take years	650
What are the main objectives of the reform	651
Curriculum – planned changes	652
Complex set of requirements for changes to teaching	652
Conclusion	654
Bibliografhy	654

Jakub Kosowski

Standardy ochrony małoletnich jako nowe narzędzie zapewnienia bezpieczeństwa małoletnich trenujących w klubach sportowych	655
Wstęp	656
Podmioty zobowiązane do wprowadzenia standardów	657
Termin wdrożenia standardów	658
Elementy składowe standardów	658
Wdrożenie standardów	660
Świadomość społeczna nowych obowiązków	662
Wnioski	663
Bibliografia	664

Ewa Dumkiewicz-Sprawka

Wybrane aspekty finansowania zadań oświatowych	665
Wprowadzenie	667
Miejsce wychowania przedszkolnego w polskim systemie oświaty	667
Zmiany ustawowe w edukacji przedszkolnej na przestrzeni lat	670
Ogólne zasady finansowania zadań oświatowych	672
Część oświatowa subwencji ogólnej	673
Dotacje celowe, w tym dotacja na dofinansowanie zadań w zakresie wychowania przedszkolnego	674
Subwencja oświatowa i dotacje celowe a wydatki bieżące JST na zadania oświatowe	675
Wydatki na wychowanie przedszkolne w kontekście wydatków na zadania oświatowe	679
Źródła finansowania wydatków bieżących na wychowanie przedszkolne i ich procentowy udział w ponoszonych wydatkach	682
Podsumowanie	686
Bibliografia	687

Mariia Tyshchenko, Oleksandr Dluhopolskyi

Gender relations transformation during the early industrialization	689
Introduction	690
Literature review	690
Methods	695
Results	699
Discussion	707
Conclusions	712
Bibliography	714

Wińczysław Jastrzębski

Dobrowolna zasadnicza służba wojskowa w Polsce	716
Wprowadzenie	717
Zasadnicza służba wojskowa w Ustawie o obronie Ojczyzny	719
Powołania do dobrowolnej zasadniczej służby wojskowej	722
Podsumowanie	724
Bibliografia	725

Jakub Kosowski

Dokumenty strategiczne jednostek samorządu terytorialnego jako instrumenty skutecznego zapobiegania przestępczości	727
Wstęp	728
Cel i metodologia badania	730
Wyniki badań	731
Wnioski	740
Bibliografia	741

Gabriel Jerry Out

An assessment of state-sponsored terrorism in africa as both international conspiracy and political engineering	742
Introduction	743
Statement of the problem	747
Research Questions	748
Research Objectives	748
Theoretical framework	748
Methodology	749
Literature review	749
Nature of state sponsorship of terrorism	755
Current trends	756
Impact of state sponsored terrorism on international security	757
Political impact	757
Some of the other possible consequences	760
Social impact	760

Economic impact	761
Infrastructure and production	761
State-sponsored terrorism as both international conspiracy and political engineering	762
Counterterrorism measures	763
International cooperation.....	763
Intelligence	763
Capacity building.....	764
Access to resources	764
Safe havens.....	764
Psychology.....	764
Conclusions	765
Bibliography	766
<i>Miroslav Gejdoš</i>	
Zarys przestępczości jako lokalnego zjawiska społecznego	768
Wstęp	768
Charakterystyka przestępczości	769
Przyczyny przestępczości	771
Przyczyny wewnętrzne	771
Przyczyny zewnętrzne	772
Rodzina jako czynnik kryminogenny	772
Szkoła i przestępczość	773
Grupy rówieśnicze	774
Inne wpływy społeczne	775
Zapobieganie przestępczości	775
System i rodzaje profilaktyki	775
Społeczne środki zapobiegawcze	777
Rola rodziny	777
Rola edukacji szkolnej	777
Wykorzystanie czasu wolnego	778
Wnioski	779
Bibliografia	780
<i>Joe-Ikechebelụ Ngozi Nneka, Echendu Sylvia Tochukwu, Egbueri Johnbosco Chukwu-jekwu, Akanwa Angela Oyilieze, Igbođike Emeka Philip, Umeh Uche Marian, Ifemeje Jonathan C., Ifedi Izuchukwu Charles, Elemuo Chukwuebuka Stanley, Joe-Ikechebelụ Belusochi Blessing, Kate Azuka Omenughā</i>	
Picturing change – public health entrepreneurship, public health communication and telemedicine in Nigeria in the post covid era	782
Introduction	784
Public health entrepreneurship	786
Human resource constraint	789

Financial constraint	790
Health system constraint	790
Public Health Communication	790
Challenges to Effective Communication of Information in the COVID-19 Era in Nigeria	792
Shortage of Functional and Modern Equipment for Communication	792
Poor Communication Skill.....	793
Lack of internet connectivity	793
Poor Knowledge of the information needs of users.....	793
Lack of Partnership Drive Among Stakeholders in the Information Industry	793
Lack of Strong Political Will.....	793
Poor Funding	794
Strategies for Effective Communication in Public Health Information Services ..	794
Telemedicine	795
Challenges Faced by Telemedicine in Nigeria in the post-COVID era.	797
Consolidating and scaling-up the health system through telemedicine	799
Conclusion	800
Bibliography	801

INCLUSIVE LABOR MARKET DEVELOPMENT THROUGH GREEN ECONOMY AND SOCIAL RESPONSIBILITY

Inkluzywny rozwój rynku pracy poprzez zieloną gospodarkę i odpowiedzialność społeczną

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Streszczenie

W artykule omówiono globalne wyzwania dla rynku pracy w kontekście przejścia na zieloną gospodarkę. Główna uwaga skupiona jest na zmianach strukturalnych w tradycyjnych sektorach gospodarki oraz konieczności dostosowania siły roboczej do nowych wymagań związanych z wdrażaniem technologii ekologicznych. Artykuł zawiera przegląd danych międzynarodowych, w szczególności raportów OECD, które wskazują na ryzyko utraty miejsc pracy w tradycyjnych branżach oraz nierównomierne tworzenie nowych miejsc pracy w zielonej gospodarce. Zbadano również regionalne dysproporcje, zilustrowane wykresami i tabelami, które pokazują poziom zatrudnienia w zielonych sektorach oraz różnice między regionami i krajami. Analizowane są również ryzyka związane z siłą roboczą, szczególnie potrzeba przekwalifikowania pracowników w sektorach najbardziej podatnych na te zmiany. Szczególną uwagę poświęcono kwestii nierówności płci na rynku pracy. Przedstawiono dane dotyczące luki w zatrudnieniu kobiet w zielonych sektorach, gdzie kobiety są mniej reprezentowane, a także różnice w wynagrodzeniach między mężczyznami a kobietami w tych branżach. Znaczną uwagę poświęcono również roli społecznej odpowiedzialności biznesu (CSR) we wspieraniu inkluzywnego rynku pracy. W artykule przeanalizowano, w jaki sposób CSR przyczynia się do przekwalifikowania pracowników, zapewnienia równego dostępu do nowych miejsc pracy oraz wspierania rozwoju lokalnych gospodarek. Zaproponowano ścieżki zmniejszania nierówności ekonomicznych między regionami, zwiększania inkluzywności oraz promowania równości płci poprzez wdrażanie programów wsparcia rządowego i aktywny udział przedsiębiorstw w projektach społecznie odpowiedzialnych.

Słowa kluczowe: inkluzywne podejścia, rynek pracy, zielona gospodarka, odpowiedzialność społeczna, nierówność płci, nierówność ekonomiczna, zatrudnienie

Summary

The article explores the global challenges for the labor market in the context of the transition to a green economy. The primary focus is on the structural changes in the traditional sectors of the economy and the need for workforce adaptation to the new requirements associated with the implementation of environmental technologies. The paper provides an overview of international data, particularly OECD reports, which highlight the risks of job losses in traditional industries and the uneven creation of new jobs in the green economy. Regional disparities are also examined and illustrated with charts and tables that show the employment levels in green sectors and the differences between regions and countries. Furthermore, the article examines the potential workforce challenges, particularly the necessity for re-training workers in sectors most impacted by these changes. Special attention is given to gender inequality in the labor market. The data on the gender employment gap in green sectors, where women are underrepresented, is included, along with wage disparities between men and women in these industries. Significant attention is also devoted to the role of corporate social responsibility (CSR) in supporting an inclusive labor market. The article analyzes how CSR contributes to workforce retraining, ensuring equal access to new jobs, and fostering local economic development. Pathways for reducing economic inequality between regions, increasing inclusion, and promoting gender equality are proposed through the implementation of government support programs and the active involvement of businesses in socially responsible projects.

Key words: inclusive approaches, labor market, green economy, social responsibility, gender inequality, economic inequality, employment

Introduction

The green economy is gradually becoming one of the key drivers of modern economic development, offering new solutions for combining the economic growth with environmental sustainability and social responsibility. This approach encompasses environmentally safe practices aimed at reducing the impact of human activities on the environment while promoting employment growth, the development of new industries, and increasing social inclusivity.

One of the aspects of the green economy is its ability to create new jobs, particularly in the sectors such as renewable energy, energy efficiency, circular economy, and sustainable agriculture. These sectors not only provide new employment opportunities but also enhance the level of inclusion among different social groups, including women, youth, and the underprivileged¹.

¹ N. V. Pavlikha, O. A. Korneliuk, I. O. Tsybaliuk, *Metodolohii proiektnoho menedzhmentu dlia tsyrkuliarnykh biznes-modelei: perevahy ta mozhlyvosti* [Project management methodologies for circular business models: Benefits and opportunities], "Intelekt" 2023; XXI(3): 74-80.

The green economy is a concept of an economic model that involves the use of environmentally sustainable methods of production and consumption, which minimize negative environmental impacts while promoting social and economic development. This model is considered an alternative path to achieving the economic growth without harming the natural resources and ecosystems.

At the heart of the green economy is the shift away from the traditional resource-intensive and polluting practices in favor of the technologies based on the renewable energy sources, resource reuse, and reduced carbon emissions. According to the UN Development Program, the green economy promotes GDP growth, job creation, and poverty reduction while protecting and restoring the ecological systems^{2,3}.

Globally, the transition to a green economy is supported by various initiatives, including the Paris Agreement, where the countries committed to reduce the greenhouse gas emissions and promote energy-efficient technologies. This creates favorable conditions for the development of new markets and job opportunities, allowing a broader range of social groups to participate in the economic activity through inclusive programs and corporate social responsibility initiatives⁴.

The concept of a green economy aligns economic interests with the environmental goals, promoting sustainable development and equitable distribution of the benefits within society.

Overview of Global Labor Market Challenges Related to the Transition to a Green Economy

The transition to a green economy is essential in addressing the climate change and the environmental challenges, but it also presents significant challenges for the labor market. These challenges include the need for the workforce to adapt to the new market demands, structural shifts in traditional economic sectors, and the necessity for upskilling the employees to meet the requirements of new green technologies (figure 1).

² OECD, Reporting gender pay gaps in OECD countries: Guidance for pay transparency implementation, monitoring and reform, OECD Publishing 2023.

³ OECD, OECD Employment Outlook 2023. Artificial Intelligence and the Labour Market. Online: <https://www.oecd-ilibrary.org>.

⁴ I. O. Tsymbaliuk, Instytuttsii ta instrumenty inkliuzyvnoho rozvytku Yes: dosvid i perspektyvy dlia Ukrainy [in:] EUROPEAN PERSPECTIVE: suchasni vyklyky ta mozhlyvosti dlia Ukrainy, N. V. Pavlikha (ed.), Vezha-Druk, Lutsk 2024, p. 8-28.

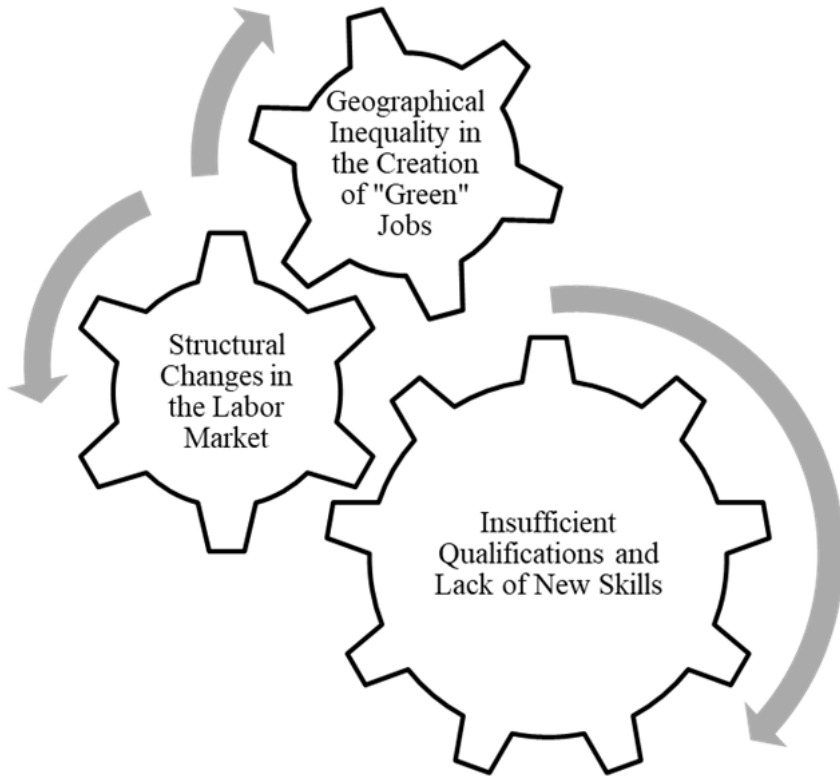


Figure 1. Labor market risks associated with the transition to a green economy
Source: developed by the author

Traditional industries, such as mining, oil, and gas, are facing significant declines due to the shift toward environmentally friendly energy sources. This leads to job losses, particularly in regions where the economy is heavily dependent on these sectors. According to an OECD report, such transformations may exacerbate economic inequality and require active workforce support from the governments and businesses through retraining programs⁵. In regions dominated by extractive industries, particularly in countries reliant on fossil fuels, the risk of mass unemployment is substantial. To mitigate this risk, it is essential to foster the growth of green economic sectors in tandem with job creation initiatives.

One of the primary challenges is that a significant portion of the workforce lacks the necessary knowledge and skills to work in the green economy. Approximately 40% of the workforce in certain sectors will require retraining to adapt to new environmental standards⁶. This calls for a substantial investment in education programs and

⁵ OECD, *OECD Employment Outlook 2023...* op. cit.

⁶ *Ibidem*.

partnerships between businesses and educational institutions to develop the required competencies.

Despite the overall growth in jobs within the green sectors, their distribution is uneven. Regions with access to the latest technologies and investments benefit more from the transition to a green economy. For example, rural and remote areas may lag in adopting green technologies, which exacerbates inequality and reduces employment opportunities. This creates what is known as the “green divide”, observable both nationally and globally⁷. The gender gap also remains significant, with women making up only 32% of the workforce in these sectors, underscoring the need for inclusive employment approaches and the engagement of vulnerable social groups⁸.

The Role of Corporate Social Responsibility in Supporting Inclusive Growth

Corporate social responsibility (CSR) plays a critical role in minimizing the negative impacts of the transition to a green economy and ensuring labor market inclusivity. Companies that implement CSR practices not only work on reducing their environmental footprint but also actively promote the creation of new opportunities for various social groups.

Corporations take responsibility for training their employees in new skills necessary for the work in the green economy by implementing training programs focused on energy-efficient technologies, waste management, and environmental management. For example, CSR initiatives in the renewable energy sectors promote the creation of inclusive job opportunities for women, youth, and vulnerable social groups⁹.

Businesses also play an essential role in expanding labor market access for groups traditionally excluded from the economic processes by actively supporting gender equality in the workplace, reducing the wage gap, and ensuring equal conditions for both men and women in green sectors of the economy¹⁰.

Socially responsible corporations invest in the development of local communities, particularly in regions with limited access to new technologies and green investments. These investments help create new jobs and reduce economic inequality between regions.

Thus, corporate social responsibility becomes an important tool for fostering inclusive labor market growth in the global transition to a green economy.

⁷ OECD, Jobs [Data set]. Online: <https://data.oecd.org/jobs.htm>.

⁸ OECD, Reporting gender pay gaps in OECD countries... op. cit.

⁹ Ibidem.

¹⁰ OECD, Gender wage gap [Data set]. Online: <https://doi.org/10.1787/7cee77aa-en>.

Job Creation in the Green Economy and Its Impact on Local Economies

The growth of the green economy has become a major driver of job creation and a tool for supporting sustainable development in local economies. Over the past few decades, the environmental policy has gained prominent importance on the agendas of OECD countries. Governments have been developing and implementing the measures aimed at reducing carbon emissions, air pollution, and improving energy efficiency. However, the impact of these programs on the labor market remained limited for an extended period of time. Only recently the new initiatives have begun to focus more on employment, particularly on job creation in the green sectors.

A significant increase in the stringency of the environmental policies regarding air emissions, energy use, and carbon emissions has been observed in OECD countries over the last three decades. Between 1990 and 2020, the strictness of the environmental policy has increased the most between 2000 and 2010 (figure 2).

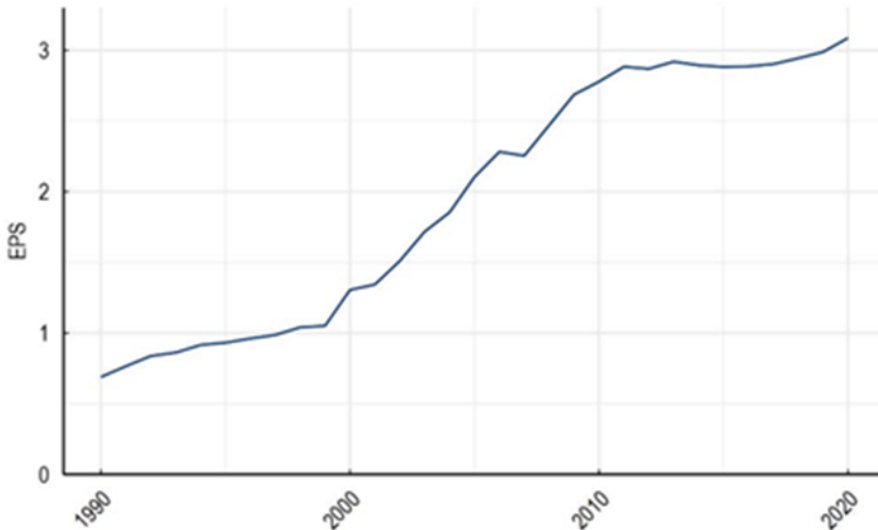


Figure 2. Environmental Policy Stringency across the OECD, 1990-2020

Source: OECD, Job creation and local economic development 2023: Bridging the great green divide, OECD Publishing 2023

These measures are the part of a broader green growth strategy aimed at combining the economic development with environmental protection. However, until recently, the impact of these policies on the labor market remained indirect, and only a few included a direct support for employment.

Efforts to stimulate the green growth in various countries have had a positive effect on the job creation in the sectors such as renewable energy, waste management, energy-efficient construction, and eco-friendly transportation. OECD governments have increasingly implemented programs that promote job creation in these sectors

and provide mechanisms for workforce retraining. Special attention is given to local economies, where significant structural changes occur due to the introduction of environmental standards.

The green growth programs have become a catalyst for change in local economies, not only fostering employment growth but also helping to minimize negative environmental impacts. For instance, countries that actively implement environmentally sustainable technologies experience economic benefits and provide their populations with stable jobs in environmentally significant sectors.

While the green economy is growing rapidly, most jobs in OECD countries are still not directly related to the green sectors or tasks. As of 2021, only 18% of jobs in OECD countries involved a significant share of ‘green’ tasks, either created by the transition to a green economy or modified in response to it. These jobs are primarily concentrated in industries such as renewable energy, energy efficiency, waste management, and sustainable agriculture.

However, this overall figure masks significant regional differences. Some regions exhibit high levels of employment in “green” sectors, while others lag considerably. For example, regions in Southern Europe, such as Greece, Italy, Portugal, and Spain, have a lower proportion of green-related jobs, whereas Baltic and Northern countries (e.g., Lithuania, Sweden, Finland) demonstrate higher employment levels in these sectors. In some countries, such as France, the UK, Luxembourg, and Switzerland, the share of green jobs is also significant.

The proportion of such jobs across regions ranges from 7% (in western Greece) to 35% (in the Vilnius region, Lithuania). This highlights the considerable discrepancies between regions within the OECD, emphasizing the uneven implementation of environmental policies at the local labor market level¹¹.

These differences also suggest that the labor markets do not adapt equally quickly to the green transition. In regions with lower levels of green jobs, challenges with access to environmental technologies and investments limit employment opportunities in new sectors. This is especially evident in rural and less-developed regions, where the financial or infrastructural barriers constrain the access to the green initiatives. On the other hand, more urbanized and developed regions are quicker to adopt the environmental policies, creating favorable conditions for the development of new professions in renewable energy, recycling, and eco-friendly construction.

Within countries, the share of jobs with “green tasks” shows considerable variation, indicating the uneven implementation of green initiatives even at the national level. As illustrated in figure 2, the percentage of jobs related to green tasks differs significantly both between and within countries. On average, the gap between regions within a single country is 7 percentage points, but in some countries, this figure is much higher.

¹¹ OECD, *Job creation and local economic development 2023: Bridging the great green divide*, OECD Publishing 2023.

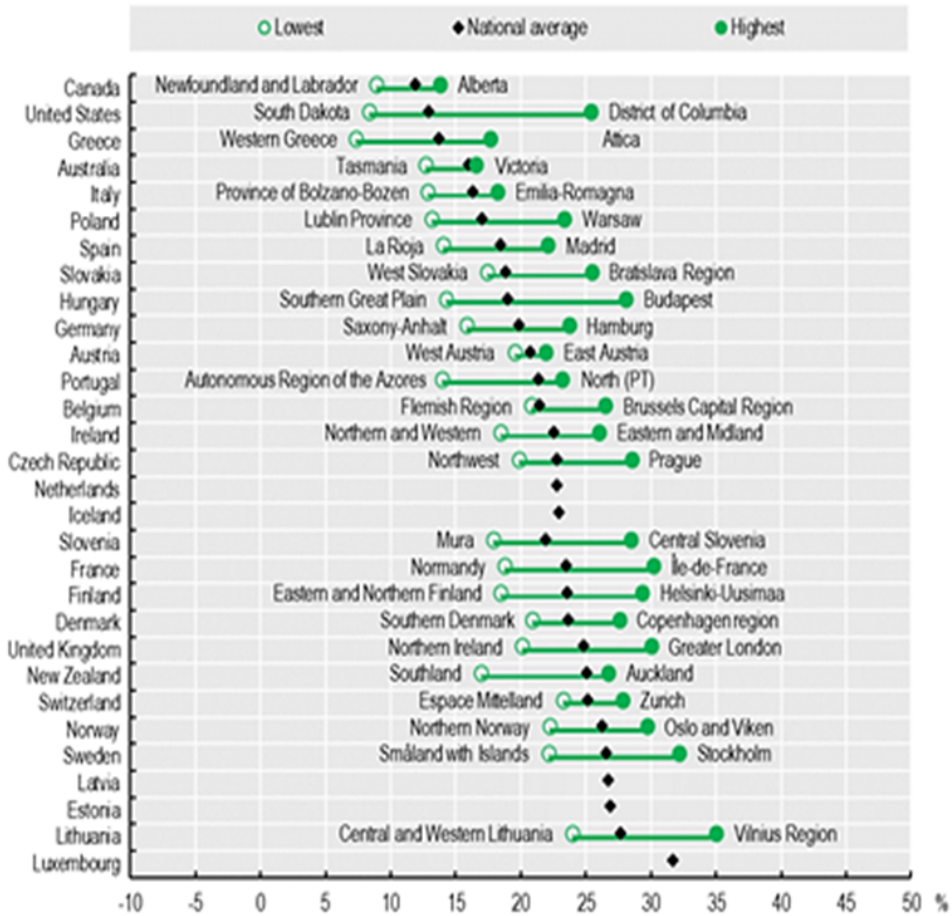


Figure 2. There is significant dispersion in terms of green-task jobs within countries
 Source: OECD, *Job creation and local economic...* op. cit.

In Hungary, the regional difference reaches 14 percentage points, while in Lithuania, Finland, and France, it is 11 percentage points. In the United States, this gap extends to 17 percentage points, largely due to the high concentration of “green” jobs in the Washington, D.C. area compared to other regions. Interestingly, in 19 out of 25 countries with available data on multiple regions, the capital region has the highest share of jobs with green tasks. Exceptions include Canada, Germany, Italy, Portugal, New Zealand, and Australia, where these trends are less pronounced.

In large countries like Australia, Canada, and the United States, regional variations may be partly obscured due to the vast size of the regions, making it difficult to detect sub-regional differences.

Labor Market Gaps: Gender and Economic Aspects

The transition to green economy affects various aspects of the labor market, particularly gender and economic disparities. Despite the growth of new jobs in green sectors, inequality in access to these jobs remains significant, especially for women and low-income groups. The green economy requires the specific skills and qualifications, which are often lacking in these groups. For example, the gender gap in green sector employment persists: only 32% of workers in renewable energy are women, a significantly lower figure compared to the other sectors^{12, 13}.

Despite considerable efforts to ensure gender equality, the gender wage gap remains a serious issue in the labor market. According to the OECD, on average, women working full-time earn 11,9% less than men in equivalent positions. This means that the average woman earns around 88 cents for every dollar or euro earned by a man in full-time employment¹⁴. However, this figure can vary significantly depending on the country, ranging from 1,2% in Belgium to 31,1% in South Korea.

The gap widens even further when considering all forms of employment, not just full-time positions. This is because women are more likely to work part-time, while men are more often employed in jobs with longer hours. As a result, women's overall income is lower, as part-time work reduces not only total the earnings but also access to additional wage components such as bonuses and premiums, which are often linked to hourly pay (figure 3).

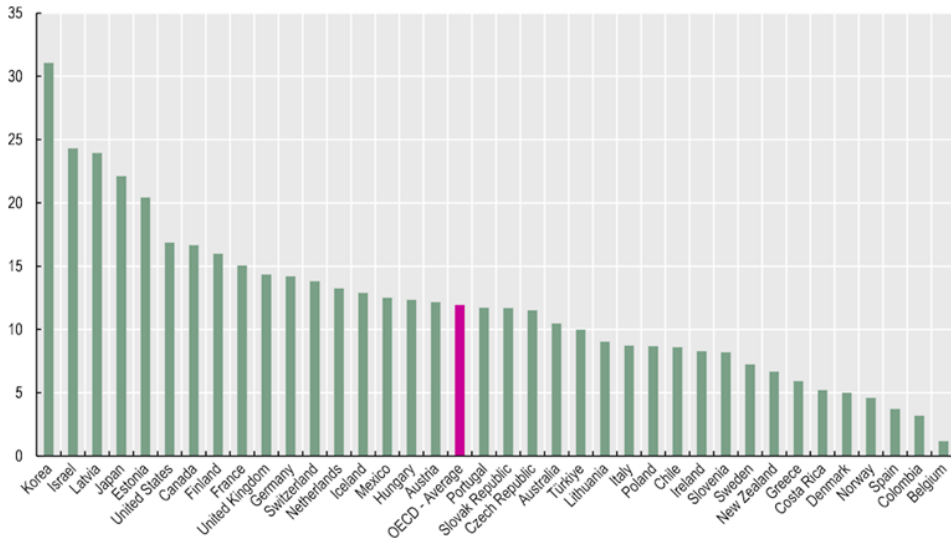


Figure 3. Gender Pay Gap for Full-Time Workers in OECD Countries (2021 or most recent data available)

Source: OECD, *Reporting gender pay gaps in OECD countries...* op. cit.

¹² OECD, *Reporting gender pay gaps in OECD countries...* op. cit.

¹³ OECD, Jobs [Data set]. Online: <https://data.oecd.org/jobs.htm>.

¹⁴ Ibidem.

Moreover, the regional data highlights significant economic disparities between the developed and the underdeveloped regions of the world, where the access to new ‘green’ jobs is limited due to a lack of investments and technologies. This particularly affects employees living in extreme poverty. In 2023, approximately 241 million workers worldwide were living in extreme poverty, earning less than \$2,15 per day per person, based on purchasing power parity (PPP). Between 2020 and 2021, the share of workers living in extreme poverty decreased, largely due to a reduction in working poverty rates in lower-middle-income countries.

However, in 2023, despite the overall employment growth and the stabilization of extreme poverty rates, the number of workers living in such conditions increased by about one million people. A similar trend was observed in the segment of moderate poverty: the number of workers living in moderate poverty (earning less than \$3,65 per day per person in PPP terms) increased by nearly 8,4 million in 2023. Only in countries with upper-middle incomes, a reduction in the number of workers living in moderate poverty took place.

Table 1. Poverty Rates Among Employed Persons

Country group	Working poverty	Rates (percentages)				Numbers (millions)			
		2020	2021	2022	2023	2020	2021	2022	2023
World	Extreme	7,7	7,3	7,1	6,9	248,0	241,6	240,1	241,1
	Moderate	12,5	12,1	12,2	12,2	402,7	401,4	414,9	423,4
Low-income countries	Extreme	38,9	38,5	38,7	39,0	90,5	92,7	96,7	100,6
	Moderate	26,6	26,4	26,5	26,7	61,9	63,5	66,3	68,9
Lower-middle-income countries	Extreme	12,8	11,8	10,9	10,2	139,3	132,0	127,3	124,7
	Moderate	26,1	25,6	25,2	24,7	283,7	287,6	294,8	302,1
Upper-middle-income countries	Extreme	1,4	1,2	1,2	1,1	17,9	16,7	15,9	15,6
	Moderate	4,3	3,7	3,9	3,8	56,9	50,0	53,6	52,0

Source: International Labour Office, World employment and social outlook: Trends 2024, International Labour Organization 2024

Countries with upper-middle incomes demonstrate the highest readiness for the green economy. This group of countries has shown the most favorable conditions for implementing “green” initiatives due to the availability of technologies, investments, and supportive policies. For the upper-middle-income countries, such as certain European and Latin American nations, the level of readiness for the green economy is rated as high.

The lack of investments and technology in the underdeveloped regions significantly limits the access to employment opportunities in green sectors. This highlights

the importance of the active policies to support low- and middle-income countries by attracting investments and introducing modern technologies that would boost the employment levels and reduce poverty.

Green Economy and Gender Equality Through the Lens of Corporate Social Responsibility

Corporate social responsibility (CSR) plays a vital role in narrowing these gaps. Companies implementing CSR programs not only focus on the environmental sustainability but also actively support inclusive labor market programs. This includes initiatives aimed at promoting gender equality, creating programs for upskilling women and vulnerable social groups, and expanding opportunities for low-income individuals through educational and retraining programs.

Today, many international corporations run programs to support women's employment in renewable energy and other green economy sectors. These programs aim to ensure equal access to new opportunities, including professional training, internships, and inclusive employment policies^{15, 16}

The need to strengthen corporate responsibility for work-related outcomes is reinforced by the latest 2024 report from the International Labour Organization (ILO) on global trends. According to this report, approximately 435 million people worldwide are deprived of stable income through work. Millions more face deteriorating working conditions, declining real wages, job instability, or lack of social protection¹⁷.

In light of these challenges, changes in employment and labor conditions are on the agenda. To ensure greater transparency and accountability in labor relations, a global public consultation on proposed revisions to several Global Reporting Initiative (GRI) standards is ongoing until October 2024. These revisions cover the key areas such as:

- GRI 402: Labor and Management Relations,
- GRI 401: Employment,
- GRI 202: Market Presence.

This process, led by an expert group that includes representatives of workers, employers, and the ILO, aims to align labor standards with international business and human rights requirements, particularly those set by the ILO, the UN, and the OECD.

In addition to these standards, two rounds of consultations on working conditions and the protection of workers' rights will be held over the next 12 months. A total of 11 GRI standards are expected to be updated, with a special focus on human

¹⁵ OECD, Reporting gender pay gaps in OECD countries... op. cit.

¹⁶ I. Tsybaliuk, N. Pavlikha, Analysis of income structure of the population and the role of the inclusive labor market in reducing social vulnerability, "Transactions of Kremenichuk Mykhailo Ostrohradskyi National University" 2023; 4(141): 33-41.

¹⁷ Global Reporting Initiative, Blueprint to advance transparency and accountability for labor impacts. Online: <https://www.globalreporting.org/news/news-center/blueprint-to-advance-transparency-and-accountability-for-labor-impacts/>.

rights and due diligence in business practices¹⁸. The areas covered by these standards include:

- Employment – management of non-standard employment forms, fair recruitment, internships, protection of personal data, and termination of employment.
- Wages and working hours – assessment of living wages, gender pay gaps, and social protection coverage.
- Significant changes for workers – consultation with employees regarding reassignment, retraining, and termination of employment.

Several countries and companies have already implemented successful programs aimed at achieving gender equality through socially responsible initiatives. For example, in Sweden and Norway, gender equality is a mandatory part of the corporate reporting. Companies actively implement programs that ensure equal access to jobs, particularly in green economy sectors such as the renewable energy.

Siemens actively supports programs that increase the number of women in green sectors through inclusive employment strategies. Their programs include training and support for women in engineering, energy, and environmental management, displaying a successful example of CSR promoting greater inclusivity.

Green initiatives, such as the transition to renewable energy sources and the implementation of energy-efficient technologies, hold significant potential for improving gender equality. Since these sectors are new and rapidly growing, they offer opportunities for women to be employed on equal terms with men. Specifically, initiatives such as training and retraining programs in the renewable energy sector help ensure equal access to new professions and reduce the gender pay and employment gaps.

This demonstrates that the green economy can serve as a platform not only for achieving environmental goals but also for fostering social justice and inclusive growth.

The Role of Government and Business Policies in Reducing Inequalities through Inclusive Approaches

Government policies play a crucial role in addressing gender and economic inequalities in the labor market during the transition to a green economy through inclusive approaches. Many OECD countries have already implemented initiatives aimed at ensuring equal access to new jobs in the green sectors. One such policy is gender pay gap reporting, which allows governments and companies to track gender inequality and develop strategies to reduce it^{19,20}.

¹⁸ Ibidem.

¹⁹ I. Tymbaliuk, N. V. Pavlikha, *Inkluzyvna ekonomika: shliakh do sotsialnoi rivnosti ta ekonomichnoho rozvytku*, Vezha-Druk, Lutsk 2023.

²⁰ I. Tymbaliuk, N. Pavlikha, *Inclusive economy in contemporary management models: Definition, global challenges, and its role in achieving sustainable development [in:] Modern management tools in the latest models of socioeconomic development*, Higher School of Social and Economic, Przeworsk 2023, p. 102-119.

Governments also actively promote retraining programs for employees, particularly those with low skill levels, enabling the vulnerable groups to integrate into new green economy sectors and improving their chances of employment. Subsidy programs, the creation of state funds to support “green” initiatives, and collaboration with private companies contribute to engaging women and the youth in the new fields. Countries like Germany and France actively promote policies that reduce the economic disparities through regional green growth programs^{21, 22}.

Many governments implement active labor market policies aimed at supporting the workers affected by the technological changes and the transition to ecological production models. Key areas of focus include retraining, skill enhancement, and the creation of new employment opportunities in sectors linked to the green economy such as renewable energy, waste management, and eco-friendly construction^{23, 24}.

Key strategies include:

- Investment in workforce retraining. Governments promote training programs for workers in sectors affected by automation or ecological changes. For example, in OECD countries, the demand for professionals in renewable energy and environmental management is rising, and policies are aimed at ensuring equal access to such opportunities²⁵.
- Support for vulnerable groups. In Asian countries, support programs include subsidies for those affected by crises and skill enhancement initiatives that help integrate women, youth, and migrants into new jobs in the green economy²⁶.

Governments and the private sector actively collaborate to achieve inclusivity in the green economy. An example is the cooperation between the companies and governments in implementing training and retraining programs. For instance, within the framework of the GRI standards reporting, companies are required to adhere to transparent labor practices, including supporting the employment of women, youth, and other vulnerable populations in the new green economy sectors²⁷.

Inclusive approaches to training and skill development are the essential tools for ensuring equal opportunities in the green economy. Governments and companies focus on developing skills needed for work in emerging sectors such as the renewable energy and the environmental management. According to the World Economic Forum, more than half of the workforce will require additional training to remain competitive amid the rapid changes in the labor market²⁸.

²¹ OECD, Jobs [Data set]... op. cit.

²² N. V. Pavlikha, I. Tsymbaliuk, N. L. Khomiuk et al, Bezpeka staloho rozvytku rehioniv ta terytorialnykh hromad Ukrainy na zasadakh inkliuzyvnoho zrostantnia. Vezha-Druk, Lutsk 2023.

²³ World Economic Forum, The Future of Jobs Report 2023. Online: <https://www.weforum.org>.

²⁴ N. V. Pavlikha, I. Tsymbaliuk, O. V. Uniha et al, Ekonomika dobrobutu: rehuliuвання dokhodiv naselennia ta rozvytok rynku pratsi, Vezha-Druk, Lutsk 2022.

²⁵ OECD, OECD Employment Outlook 2023... op. cit.

²⁶ Asian Development Bank, Strengthening Active Labor Market Policies to Drive an Inclusive Recovery in Asia. Online: <https://www.adb.org>.

²⁷ Global Reporting Initiative, Blueprint to advance transparency... op. cit.

²⁸ World Economic Forum, The Future of... op. cit.

Through these strategies, workers gain access to new opportunities in the growing sectors, and the labor market becomes more inclusive, considering gender, age, and socio-economic factors.

The private sector also holds a significant potential to reduce gender and economic inequalities through the implementation of inclusive business models and policies. Companies that emphasize sustainability and inclusion actively promote training programs for the vulnerable groups, ensure equal working conditions, and provide career growth opportunities. Such initiatives help close wage and employment gaps, creating a fairer labor market.

Thus, the synergy between government and private initiatives is crucial for building an inclusive labor market during the transition to a green economy. Through joint efforts in corporate social responsibility and government policies, significant inequality reduction can be achieved, fostering conditions for sustainable economic development.

Conclusions

The article analyzes the key challenges that the labor market is confronted with during the transition to a green economy, particularly the structural changes in traditional industries and the need for workforce retraining. It is established that the shift to green economy involves the risk of job losses in traditional sectors, such as the mining industry, while new opportunities arise in green sectors, where job creation is uneven both at the regional and national levels. This underscores the need for a more flexible approach to government policies and support programs for regions lagging in the adoption of green technologies. At the same time, the implementation of stricter environmental standards creates conditions for the growth of new economic sectors, which in turn generates local employment opportunities.

The green transition impacts employment structures in OECD countries unevenly. Only a small portion of the population works in sectors where green tasks play a central role, highlighting the necessity to strengthen the policies supporting inclusive labor market development and create opportunities for the workforce retraining in regions falling behind in the green transition. Despite the overall growth of employment in green sectors, this development remains uneven, requiring additional efforts from both governments and businesses to support regions struggling to implement green technologies. Combating economic inequality remains a challenge for the green economy, particularly in countries where the gap between the rich and the poor continues to widen, and new jobs in green sectors are not accessible to the most vulnerable populations.

A significant issue identified in the study is gender inequality in the labor market during the green transition. Women are significantly underrepresented in environmentally critical sectors, and the gender pay gap remains a substantial problem. This calls for the development of inclusive policies aimed at increasing the number of

women in the green sectors and eliminating inequality in the availability of emerging employment opportunities.

The role of corporate social responsibility (CSR) in supporting the inclusive development of the labor market is crucial for minimizing the negative impacts of the green economy transition. Socially responsible businesses can play a leading role in retraining workers, ensuring equal opportunities for various social groups, and contributing to local community development.

Thus, for a successful transition to a green economy, active government support in the form of workforce retraining programs is essential, along with collaboration with the businesses to implement socially responsible initiatives. This will help reduce the socio-economic inequality and ensure equal access to new job opportunities in green economic sectors.

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Z RECENZJI

[...] POLSKA JEST ZBYT MAŁYM KRAJEM O ZNIKOMYM POTENCJALE GOSPODARCZYM W SKALI ŚWIATA, ABY DETERMINOWAĆ KSZTAŁTOWANIE SIĘ ŚWIATOWEJ GOSPODARKI. JEJ POTENCJAŁ INNOWACYJNY JEST ZBLIŻONY DO ZERA. PRAKTYCZNIE RZECZ BIORĄC IMPORTUJEMY Z ZEWNĄTRZ WSZYSTKO, CO USPRAWNIA PROCESY GOSPODAROWANIA. TYM WIĘKSZA ROLA NINIEJSZEJ MONOGRAFII, KTÓRA W TRUDNYCH WARUNKACH PODEJMUJE WYZWANIE NAKREŚLENIA STRATEGII WYBRNIĘCIA Z PUŁAPKI ZACOFANIA INNOWACYJNEGO.

DR HAB. ADAM SZAFARCZYK

PREZENTOWANA MONOGRAFIA JEST EFEKTEM WSPÓŁPRACY NAUKOWCÓW REPREZENTUJĄCYCH RÓŻNE DYSCYPLINY NAUKOWE – Z ZAKRESU NAUK EKONOMICZNYCH, O ADMINISTRACJI, POLITYCE, ZARZĄDZANIU, ZDROWIU, INFORMATYKI, PSYCHOLOGII. ROZDZIAŁY UKAZUJĄ PROCES UWALNIANIA SIĘ OD WĄSKIEGO PODEJŚCIA DO ZŁOŻONYCH ZAGADNIEŃ, OSADZONEGO W JEDNEJ DZIEDZINIE WIEDZY, ORAZ WYNIKAJĄCYCH Z TEGO WIELU OGRANICZEŃ BADAWCZYCH. PREZENTOWANE ROZDZIAŁY SĄ WYNIKIEM WSPÓŁPRACY NAUKOWEJ ZARÓWNO NA STYKU WYŻEJ WYMIENIONYCH DYSCYPLIN, JAK I WSPÓŁPRACY MIĘDZYNARODOWEJ POMIĘDZY UCZELNIAMI PARTNERSKIMI, A TAKŻE SZEROKO POJĘTEGO BIZNESU (PRAKTYKI BIZNESOWEJ).

PROF. DR HAB. NAZAR PODOLCHAK

THE PRESENTED MONOGRAPH IS AN INTERESTING ACCOUNT OF THE DIVERSITY OF APPROACHES TO THE PRESENTED RESEARCH PROBLEMS, USING AN INTEGRATED, MULTIFACETED APPROACH TO THE PRESENTED MICRO- AND MACROECONOMIC PROBLEMS, WITH A PARTICULAR FOCUS ON THE COMPONENT OF MANAGEMENT AND QUALITY SCIENCES. THE AUTHORS PRESENT A GOOD SCIENTIFIC WORKSHOP, USE CORRECTLY SELECTED LITERATURE ON THE SUBJECT, AS WELL AS PRESENT THE RESULTS OF THEIR OWN RESEARCH. THE SUBMITTED MONOGRAPH MEETS THE REQUIREMENTS OF A SCIENTIFIC WORK (...).

PROF. DR HAB. TATINA VARCHOLOVA

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