

Book of Abstracts
of the
International Scientific Conference
Sustainable Development -
- Regional and Local Dimensions



Warsaw University of Life Sciences
Institute of Economics and Finance

November 26, 2020

Book of Abstracts

of the
International Scientific Conference

Sustainable Development - - Regional and Local Dimensions

Edited by
Joanna Rakowska and Iwona Pomianek

Warsaw University of Life Sciences
Institute of Economics and Finance

November 26, 2020

Scientific Board

Prof. Ing. Ľubica Bartová

Slovak Agricultural University in Nitra, Slovakia

Prof. dr. Wojciech Florkowski

University of Georgia, United States

Prof. dr hab. Irena Ozimek

Warsaw University of Life Sciences, Poland

Dr Iwona Pomianek

Warsaw University of Life Sciences, Poland

Dr hab. Joanna Rakowska

Warsaw University of Life Sciences, Poland
Chair of Scientific Board

Dr Cesar Revoredo-Giha

Scotland's Rural College, United Kingdom

Prof. Dr. Takács István

Óbuda University, Hungary

Dr. Takácsné Prof. Dr. György Katalin

Óbuda University, Hungary

Associate Prof. Xiaoman Zhu

Sanya Municipal People's Government Office, China

Prof. dr. Jan Žukovskis

Vytautas Magnus University, Lithuania

Organising Committee

Dr hab. Joanna Rakowska, Chair

Dr Iwona Pomianek, Co-chair

Dr Mariola Chrzanowska

Dr Maciej Stawicki

Table of Contents

Mariusz Maciejczak

Regional and local dimensions in the agroecology model 7

Katarzyna Kowalska, Emilio Rull Quesada

and **Bogusław Bembenek**

DIGICLUSTERS project for sustainable development of clusters within
turbulent environment 7

José G. Vargas-Hernández and Omar C. Vargas-González

A theoretical approach to the concept of the cluster 8

Lubica Bartova and Janka Drabekova

Remittances and Economic Growth in CEE countries 8

Tadeusz Filipiak and Mariusz Maciejczak

Economic aspects of the interaction of crops with their microbiome in
sustainable breeding and production strategies - the case of potato 9

Anna Milewska

Cooperation between communes in the field of waste management -
experiences and challenges..... 9

Paulina L. Wiza

The significance of the competitiveness of milk production in the re-
gional perspective on the example of Wielkopolska farms specializing
in milk production..... 10

Iwona M. Batyk

Platforms for cooperation between Poland and the Russian
Federation 10

Csaba Borbély and Rebeka Göbel

The situation of food waste and loss in Hungary 11

Natalia Genstwa

Economic growth of Polish regions and the sustainable development of
the country - considerations in the context of the Environmental
Kuznets Curve..... 11

Maria Topornytska, Khrystyna Varkholiak and Veronika Tarasiuk

Development of sustainable tourism in Lviv region in the conditions of
the decentralization 12

Agnieszka Wojewódzka-Wiewiórska

The Leader approach as a tool for sustainable rural development in
Poland 12

Agnieszka Bobola

Goals of sustainable development in the good practices of Polish enterprises 13

Kinga Smolińska

Functioning of the Local Action Group "Brama Lubuska" in the opinion of the inhabitants of member communes 13

Agata Surówka

Dynamics of changes in GDP per capita in the context of sustainable development of the regions of Spain and Italy 14

Irena Ozimek

Tourism in Regional Operational Programmes 2014-2020 in Poland 14

Katalin Takács-György and István Takács

Role of food short supply chains – how has pandemia changed economy and our life? 15

Joanna Rak

Conceptualizing the measurement scale: nominal variable of attitudes towards environmental activists 15

Gintarė Vazonienė and Bernardas Vazonis

Assessment of the wellbeing of the Lithuanian population in the context of climate change 16

Joanna Rakowska

COVID-19 as a driver of local and global poverty 16

Karolina Józefowicz

Small towns and smart cities – an attempt to implement the concept 17

Łukasz Satoła

Provision of municipal services in the aspect of sustainable development challenges 17

Aneta Mikuła and Monika Utzig

The regional differentiation of the sustainable development level in Poland 18

Mariola Chrzanowska

Quality of life in the Visegrad group countries in 2012-2018. A multi-dimensional approach 18

Jan Žukovskis

Model for increasing farms incomes with the support for producer's groups.....	19
--	----

Piotr Bórawski

Factors shaping prices of dairy products in Poland after accession to the EU.....	19
---	----

Olha Bodnar and Julia Galchynska

Energy crops production as a prospective for local sustainable development	20
--	----

Iwona Pomianek

Can ever tourism be sustainable? Literature review	20
--	----

List of posters	21
------------------------------	----

Regional and local dimensions in the agroecology model

Mariusz Maciejczak

Warsaw University of Life Sciences, Poland

The paper aims to show how the assumptions of the agroecologic model might impact regional and local dimensions. The sustainability paradigm requires new approach in the production. The agroecologic development integrates ecological rules into agricultural systems to increase the productivity of farms, decrease the dependence on external inputs and maintain or strengthen local ecosystem services.

DIGICLUSTERS project for sustainable development of clusters within turbulent environment

Katarzyna Kowalska

UNIMOS,

Emilio Rull Quesada

EuroInversia,

and **Boguslaw Bembenek**

Rzeszow University of Technology, Poland

DIGICLUSTERS project is ensure smart specialisation investments and industrial modernisation of agrofood & packaging sectors towards Industry 4.0 and digital transformation within strategic network (partners from Spain, Latvia, Lithuania and Poland). It has multilevel approach and stimulate cross-industry cooperation between clusters and companies, both at regional and international level.

A theoretical approach to the concept of the cluster

José G. Vargas-Hernández and Omar C. Vargas-González

University of Guadalajara, Mexico

A cluster is an important way to increase the economic development in a region. The methodology is a review of literature of the main theoretical- empirical studies and models. The main conclusions are that all the theoretical approaches to the concept are relevant and that does not exist a unique approach to define cluster.

Remittances and economic growth in CEE countries

Lubica Bartova and Janka Drabekova

Slovak University of Agriculture in Nitra, Slovakia

We estimated effects of remittance inflow, outflow and other selected factors on economic growth over 1998 – 2017 for the group of 9 Central and Eastern European countries: PL, SK, CZ, HU, LV, EE, LT, BG, RO. We used panel data models. We found significant positive effect of trade, population growth, tertiary school enrolment, current and lagged remittance inflows on GDP per capita in CEEC.

Economic aspects of the interaction of crops with their microbiome in sustainable breeding and production strategies - the case of potato

Tadeusz Filipiak and Mariusz Maciejczak

Warsaw University of Life Sciences, Poland

The presentation aims to present the economic aspects of the interaction of crops with their microbiome in sustainable breeding and production strategies. The basic source of material are empirical researches done by agronomists and published in peer-reviewed journals.

Cooperation between communes in the field of waste management - experiences and challenges

Anna Milewska

Warsaw University of Life Sciences, Poland

The aim of the presentation is to identify experiences and challenges regarding the cooperation of municipalities in terms of the implementation of tasks in the field of waste management. According to the register of inter-municipal unions kept by the Minister of the Interior and Administration (as of 30 September 2020), a total of 314 unions (including those related to waste management) were registered. However, some of them have been liquidated (e.g. after completing the task). It can be concluded that the cooperation of municipalities is aimed at increasing the efficiency of the services provided, and also contributes to the rationalization of public expenditure while taking care of the environment.

The significance of the competitiveness of milk production in the regional perspective on the example of Wielkopolska farms specializing in milk production

Paulina L. Wiza

Poznań University of Life Sciences, Poland

The aim of the research is to discuss selected issues of the theory and methodology of regional research on competitiveness and to assess the competitiveness of dairy farms in Poland in a regional perspective. The conducted research was aimed at determining the competitive position of Greater Poland dairy farms in terms of milk production compared to Poland.

Platforms for cooperation between Poland and the Russian Federation

Iwona M. Batyk

University of Warmia and Mazury in Olsztyn, Poland

Presentation of "The platform for cooperation between Poland and the Russian Federation" concerns the areas of cooperation with the greatest development potential. These areas include: economic, technological, cross-border, tourist and social cooperation. During the presentation, the most important indicators defining each area and the development potential will be characterized

The situation of food waste and loss in Hungary

Csaba Borbély and Rebeka Göbel

Szent István University, Hungary

While people in many parts of the world are starving, in richer countries obesity, in many cases morbid obesity, is a societal problem, with an increasing emphasis on the drastic rate of food waste. In our research, the amount of food waste was measured for 14 days in 20 households in Kaposvár. In a given publication, we reviewed the basic results of the research and a hypothesis.

Economic growth of Polish regions and the sustainable development of the country - considerations in the context of the Environmental Kuznets Curve

Natalia Genstwa

Poznań University of Life Sciences, Poland

The concept of the Environmental Kuznets Curve (EKC) describes dependencies between economic development and environmental degradation. The analysis of the EKC in relation to the paradigm of sustainable development makes it possible to indicate the still unclear borderline from when development can be called sustainable. Relations research should be conducted at the regional level.

Development of sustainable tourism in Lviv region in the conditions of the decentralization

Maria Topornytska, Khrystyna Varkholiak and Veronika Tarasiuk

Lviv University of Trade and Economics

Development of sustainable regional tourism in the conditions of decentralization on the basis of united territorial communities, which will promote the development of their competitive tourist environment by creating their own tourist product, routes, attracting entrepreneurs of the region to tourism development, organizing entertainment and educational activities in the community.

The Leader approach as a tool for sustainable rural development in Poland

Agnieszka Wojewódzka-Wiewiórska

Warsaw University of Life Sciences, Poland

The research concerns the Leader approach, which is implemented in Poland under the Rural Development Program by local action groups on the basis of local development strategies. The aim of the research is to define the directions of support for the development of rural areas by the Leader approach in Poland, taking into account the changes in 2007-2013 and 2014-2020.

Goals of sustainable development in the good practices of Polish enterprises

Agnieszka Bobola

Warsaw University of Life Sciences, Poland

The aim of the analysis is to present goals of sustainable development in good practices of Polish enterprises. The used data and information were collected query of selected literature sources and secondary research. Analysed data allowed to create the model of involvement of enterprises in the implementation of sustainable development goals.

Functioning of the Local Action Group "Brama Lubuska" in the opinion of the inhabitants of member communes

Kinga Smolińska

Poznań University of Life Sciences, Poland

The aim of the study was to examine the opinion of the LGD "Brama Lubuska" area inhabitants in terms of their knowledge of the Leader programme and the Local Action Group in 2016 and 2020, using a questionnaire. Most inhabitants have heard about the Leader programme and the Local Action Group. Moreover, the respondents are satisfied with the quality of advisory services and start to notice the initiatives and undertakings implemented directly by LGD "Brama Lubuska".

Dynamics of changes in GDP per capita in the context of sustainable development of the regions of Spain and Italy

Agata Surówka

Rzeszow University of Technology, Poland

Recently, many studies have been published on measuring the sustainable development of regions using various indicators. The paper uses the measure of the percentage change in GDP per capita in subsequent years in order to verify the dynamics of changes in the relative position of Spanish and Italian regions in the constructed transition matrices (2008-2017).

Tourism in Regional Operational Programmes 2014-2020 in Poland

Irena Ozimek

Warsaw University of Life Sciences, Poland

Tourism plays a very important role in local development in numerous social and economic contexts. It influences the development of regions and, at the same time, is a motivator for actions to preserve material and non-material factors of its development, including cultural and natural heritage and activation of human capital. That justified the support from the EU regional policy. ROPs 2014-2020 provided a rich offer, but it was up to the activity of local communities, entrepreneurs and governments whether it would result in the development of tourism in Poland.

Role of food short supply chains – how has pandemic changed economy and our life?

Katalin Takács-György and István Takács

Óbuda University, Hungary

High level of concentration characterized the food supply chains, food trade. By the thoughts of 'de-growth', 'localization' rapid changes can be observed in consumer behaviours, the Covid-19 pandemic generated crisis. Our aim is to summarize the effects on pandemic on economy, highlighting the reliable food supply and short supply chains when communities feel their daily lives are in danger.

Conceptualizing the measurement scale: nominal variable of attitudes towards environmental activists

Joanna Rak

Adam Mickiewicz University, Poznań, Poland

This analysis aims to present a measurement scale, a tool for measuring attitudes towards environmental activists. It serves to classify ecological awareness manifestations that relate to people who take practical steps to preserve and protect the natural environment. The tool contributes methodologically to studies on ecological awareness within the field of sustainable development.

Assessment of the wellbeing of the Lithuanian population in the context of climate change

Gintarė Vazonienė and Bernardas Vazonis

Vytautas Magnus University, Lithuania

Climate change is one of the greatest challenges for today's society and its wellbeing (WB) and one of the most important elements in sustainable development. Thus, the research aim - to disclose WB perception of the Lithuanian population in the context of climate change. The research methods: literature analysis and synthesis, descriptive analysis, comparative method, statistical methods, graphic representation. There were used European Social Survey data from Round 8. Findings showed that perception of WB in relation to climate change is mostly positive, while correlation is very weak.

COVID-19 as a driver of local and global poverty

Joanna Rakowska

Warsaw University of Life Sciences, Poland

Due to its negative impact on human health and lives as well as economic situation COVID-19 has been called 'virus of poverty'. The aim of the study was to investigate how COVID-19 increases the recession in local and regional economies, based on data from WB, UNO, WHO, and other global and international institutions. The analysis was based on secondary data describing global situation and case studies. Results were referred to the theory of vicious cycle and social inequality.

Small towns and smart cities - an attempt to implement the concept

Karolina Józefowicz

Poznań University of Life Sciences, Poland

The concept of smart cities focuses on metropolises and large cities, while there is no research attempting to highlight the smart city approach in small city areas. This work is therefore an attempt to introduce the concept of smart small cities in order to indicate that in small urban centres it is possible to implement solutions and practices used in large cities.

Provision of municipal services in the aspect of sustainable development challenges

Łukasz Satola

University of Agriculture in Krakow, Poland

Providing of municipal services is the main task of communes. Municipalities are obliged to implement the principles of sustainable development. It takes place mostly in the field of municipal economy. The implementation of these tasks involves objects of technical and social infrastructure. Investments in municipal infrastructure contribute to environmental protection on a local scale. The most important activities with a positive impact on the environment, especially in rural areas, are investments in water and sewage infrastructure.

The regional differentiation of the sustainable development level in Poland

Aneta Mikula and Monika Utzig

Warsaw University of Life Sciences, Poland

The aim of the presentation is to evaluate the sustainable development level in voivodships in Poland. The data from the Statistics Poland were used. Using methods of multidimensional comparative analysis the synthetic indicators of economic, social, and environmental development were determined. The voivodships were ranked according to the values of the synthetic indicator for three dimensions.

Quality of life in the Visegrad group countries in 2012-2018. A multidimensional approach

Mariola Chrzanowska

Warsaw University of Life Sciences, Poland

Social and economic transformations which took place after joining the EU radically changed the entire Visegrad Group. It can be noticed that the heterogeneity of changes is visible both on the micro and macroeconomic level. The quality of life in the regional units of a country reflects the regional transformation and the dynamics of the changes. The main goal of the research was to group regions with a similar quality of life using selected MCA methods (Ward's method and k-means method). The analysis was based on OECD indicators and included years 2012-2018.

Model for increasing farms incomes with the support for producer's groups

Jan Žukovskis

Vytautas Magnus University, Lithuania

The proposed model can be adapted in agricultural producer groups and would benefit from following reasons: 1) increase farm incomes; 2) all adapted measures will be implemented from the support or only with the partial contribution of the farmers themselves; 3) farmers would learn to work in a group; 4) the state income from value added tax would increase.

Factors shaping prices of dairy products in Poland after accession to the EU

Piotr Bórawski

University of Warmia and Mazury in Olsztyn, Poland

This analysis presents the impact of chosen factors on the prices of milk and dairy products in Poland. The regression analysis confirmed the impacts of the following variables: X5 - Average prices paid to farmers for milk, X11- the Exchange rate between the euro and PLN and X13- Exports of milk and dairy products on prices of dairy products.

Energy crops production as a prospective for local sustainable development

Olha Bodnar

National University Of Kyiv-Mohyla Academy, Ukraine

and **Julia Galchynska**

National University of Life and Environmental Sciences of Ukraine, Ukraine

Local sustainable development can be attained by expanding the energy crop production and using them as biofuels. The land area that may be effectively used for growing energy crops in Ukraine, such as willow and miscanthus, was estimated. The energy potential of the energy crops was calculated for some regions. The financial savings compared to the cost of using coal or fossil gas were estimated.

Can ever tourism be sustainable? Literature review

Iwona Pomianek

Warsaw University of Life Sciences, Poland

Tourism plays a significant role in world economy. It is also important to national and regional GDP and promotion of regions. It is even more substantial to local societies as an opportunity for employment in this sector and in tourism-related sectors, such as crafts and trade and for local governments as a part of socio-economic development process. However, tourism causes damage to the natural environment, destroys historic and unique places, and has a negative impact on the life of communities in popular destinations.

List of Posters

Judita Astrovienė

Vytautas Magnus University, Lithuania

Sustainable bio-business development in the EU

Iwona M. Batyk

University of Warmia and Mazury, Poland

Conditions for the development of Polish-Russian cross-border cooperation

Bogusław Bembenek

Rzeszów University of Technology, Poland

Strategic dimension of green energy clusters - towards sustainable development

Zenepe Dafku

Agricultural University of Tirana, Albania

Albanian consumer preferences for organic product

Justyna Franc-Dąbrowska

Warsaw University of Life Sciences, Poland

The process of financialization and migration of values - research results

Fatmir Guri and Elena Kokthi

Agricultural University of Albania, Albania

Magali Maire

CIHEAM- IAM Montpellier, France

Natasha Hodaj

Agricultural University of Albania, Albania

Stakeholder perceptions on territory sustainable development needs in developing countries, the case of Albania

Magdalena Jarczok-Guzy

University of Economics in Katowice, Poland

Rural Development Programme as a means to support regions

Marzena Kacprzak

Warsaw University of Life Sciences, Poland

Covid-19 – rest in an agritourism farm

Dimitrii Kosmina and Andrea Benedek

Szent Istvan University, Hungary

Sustainability of the labour market in the context of the introduction of distance education technologies

Renata Marks-Bielska

University of Warmia and Mazury in Olsztyn, Poland

Rural entrepreneurship in the context of sustainable development – a case study of the limited company JANPOL

Lihle H. Mtabela and Andrea Benedek

Szent Istvan University, Hungary

Business Model and Innovation for Sustainability

Manuela Meçe

Albanian University, Albania

Etleva Muça (Dashi)

Agricultural University of Tirana, Albania

Branding products in protected areas, an opportunity for local communities

Anna Milewska

Warsaw University of Life Sciences, Poland

Local government cooperation as an opportunity to effectively provide transport services

Lihle H. Mtabela and Andrea Benedek

Szent Istvan University, Hungary

Business Model and Innovation for Sustainability

Etleva Muça (Dashi)

Agricultural University of Tirana, Albania

Manuela Meçe

Albanian University, Albania

Identification of territory products from Albanian consumers

Irena Ozimek

Warsaw University of Life Sciences, Poland

Tourist attractiveness of north-eastern Poland

Iwona Pomianek

Warsaw University of Life Sciences, Poland

Tourist attractiveness of south-eastern Poland

Joanna Rakowska

Warsaw University of Life Sciences, Poland

EU regional policy funds support for tourism – case of Poland

Lukasz Satola

University of Agriculture in Krakow, Poland

Structural Funds as a tool for entrepreneurship development in rural areas

Hanna Syrotyuk and **Serhiy Syrotyuk**

Lviv National Agrarian University, Ukraine

Peculiarity of sustainable development of the agrarian sector of economy at the regional level

Agnieszka Wojewódzka-Wiewiórska

Warsaw University of Life Sciences, Poland

Rural Development Program as an instrument of water and sewage infrastructure development in rural areas in Poland

Oltjana Zoto, Fatmir Guri and **Elena Kokthi**

Agricultural University of Tirana, Albania

Stakeholders' attitudes towards sustainable tourism development in Albania



by Maciej Stawicki, 2019



INSTITUTE OF
ECONOMICS
AND FINANCE