



3rd International Scientific Conference
Sustainable Bioeconomy Development 2022:
Theory and Practice

Programme
4-5 May 2022

Vytautas Magnus University Agriculture Academy
Faculty of Bioeconomy Development
Universiteto Str. 10, Akademija, Kaunas District, Lithuania

Dear scientists and experts, bioeconomy development policy makers and colleagues,

We are pleased to invite you to participate in the 3rd International Scientific Conference “Sustainable Bioeconomy Development 2022: Theory and Practice” which is organised in collaboration with scientists from Latvia and other countries.

It is a pleasure for us to welcome you at Vytautas Magnus University Agriculture Academy Faculty of Bioeconomy Development, which open to challenges and changes, applying the best practice of universities from all over the world, developing the international character, serving its country, seeking continuous improvement and leadership in the research and studies on sustainable development of bioeconomy and rural areas.

The European Bioeconomy Strategy has the initiative to deploy a true and sustainable bioeconomy, which works as one with nature for society needs while also protecting the environment for future generations. Through the sustainable use of renewable resources, it has the potential to face global challenges. Through cooperation of science, technology innovation and policy we can make achievements towards sustainable bioeconomy. In this context, our conference contributes to these issues from social science perspective, raising questions on these important topics: Bioeconomy Contribution to the European Green Deal; Role of Innovative, Sustainable and Inclusive Bioeconomy in Development of Rural Areas; Logistics and Marketing of Biological Resources and Bioproducts and Innovative Business Solutions in the Bioeconomy.

We wish you the very fruitful work, interesting presentations and discussions during conference events. We wish you to find ideas on making decisions for contribution to Sustainable Bioeconomy Development. We invite you to enjoy the event and co-operation of scientists, policy makers and practitioners.

Yours sincerely,

Chairs of the Scientific and Organising Committees
assoc. prof. dr. Anastasija Novikova and dr. Aušra Nausėdienė

Scientific Committee

Chairperson:

Assoc. Prof. Dr. Anastasija Novikova, *Vytautas Magnus University*

Members:

Prof. Dr. Vilma Atkočiūnienė, *Vytautas Magnus University*

Prof. Dr. Handan Giray, *Eskisehir Osmangazi University*

Prof. Dr. Irina Pilvere, *Latvia University of Life Sciences and Technologies*

Prof. Dr. Baiba Rivza, *Latvia University of Life Sciences and Technologies*

Prof. Dr. Vlada Vitunskienė, *Vytautas Magnus University*

Prof. Dr. Andra Zvirbule, *Latvia University of Life Sciences and Technologies*

Assoc. Prof. Dr. Stelios Rozakis, *Technical University of Crete*

Assoc. Prof. Dr. Gintarė Vaznonienė, *Vytautas Magnus University*

Assoc. Prof. Dr. Bernardas Vaznonis, *Vytautas Magnus University*

Dr. Anne Pöder, *Estonian University of Life Sciences (EMU)*

Organising Committee

Chairperson:

Dr. Aušra Nausėdienė, *Vytautas Magnus University (VMU)*

Members:

Dr. Algirdas Justinas Staugaitis, *Vytautas Magnus University*

PhD student Judita Astrovienė, *Vytautas Magnus University*

Lect. PhD student Asta Bendoraitytė, *Vytautas Magnus University*

PhD student Jevgenija Furgasė, *Vytautas Magnus University*

PhD student Kristina Gesevičienė, *Vytautas Magnus University*

PhD student Virginija Kargytė, *Vytautas Magnus University*

PhD student Lina Lauraitienė, *Vytautas Magnus University*

Conference Programme

Wednesday, 4 May 2022

9:45–12:00*	Plenary Session
12:00–13:00	Poster Session
13:00–15:00	Parallel Sessions (Section I) <i>Bioeconomy Contribution to the European Green Deal</i>
13:00–15:15	Parallel Sessions (Section II) <i>Role of Innovative, Sustainable and Inclusive Bioeconomy in Development of Rural Areas</i> <i>Logistics and Marketing of Biological Resources and Bioproducts</i>

Thursday, 5 May 2022

10:00–11:30	Panel Discussion <i>The Role of Regions in the Green Transition</i>
11:30–12:30	Break
12:30–15:00	Session (Section III) <i>Innovative Business Solutions in the Bioeconomy</i>

**All times are provided in EEST time zone*

Plenary Session

Wednesday, 04 May 2022

9:45–11:40 (EEST)

Moderators:

Prof. Dr. Handan Giray,
Eskisehir Osmangazi University,
Turkey

Assoc. Prof. Dr. Anastasija Novikova
Vytautas Magnus University
Agriculture Academy, Lithuania

Official Opening of the Conference

9:45–10:00 **Opening Remarks:**

Prof. Dr. Astrida Miceikienė, Chancellor of Vytautas Magnus
University Agriculture Academy

Prof. Dr. Irina Pilvere, Rector of the Latvia University of Life
Sciences and Technologies

Plenary Presentations

10:00–10:25	Evaluation of Latvian Bioeconomy Strategy 2030 Implementation Measures Prof. Dr. Irina Pilvere <i>University of Life Sciences and Technologies, Latvia</i>
10:25–10:50	European Bioeconomy Strategy and Agenda 2030: Sinergies, Trade-off and Monitoring Dr. Lucia Rocchi <i>University of Perugia, Italy</i>
10:50–11:15	Green Deal – What is in it for Rural Areas Dr. Marius Lazdinis <i>European Commission, Belgium</i>
11:15–11:40	Why Background and Definition of Bioeconomy is Important for a Transition to a New Economy Dr. Martin Greimel, Bernhard Kastner <i>University of Natural Resources and Life Sciences, Vienna, Austria</i>
11:40–12:00	Discussion

Posters

Wednesday, 04 May 2022

12:00–13:00 (EEST)

Economic and Environmental Effects of Burning Agricultural Lands in Albania

Etleva Muça, Abulla Diku, Iwona Pomianek, Agricultural University of Tirana (Albania); Warsaw University of Life Sciences (Poland)

The Potential of Agricultural Residues for Energy Production in Lithuania

Daiva Makutėnienė, Vlada Vitunskienė, Vytautas Magnus University (Lithuania)

Implementation of EU Projects in the Field of Renewable Energy Sources on the Example of a Municipality of Szczepleszyn in Poland

Iwona Pomianek, Agnieszka Hasiec, Warsaw University of Life Sciences (Poland)

From Bioeconomy to Smart City Concept

Iwona Pomianek, Warsaw University of Life Sciences (Poland); Etleva Muca, Agricultural University of Tirana, Albania

Tourism Transformation for Greener Future: Responsible Tourism

Deimena Montvydaitė, Daiva Labanauskaitė, Klaipėda University (Lithuania)

Personal Narratives of Bioeconomy Development

Erika Zabulionienė, Rasa Pranskūnienė, Vytautas Magnus University (Lithuania)

Evaluation of Renewable Energy Sources Projects

Jurgita Baranauskienė, Vytautas Magnus University (Lithuania)

Drivers and Barriers Affecting Implementation of Green Logistics: Evidence from Lithuanian Logistics Center

Laura Jefimovaitė, Vytautas Magnus University (Lithuania)

The Conceptualization of Sustainable Wood Biomass Potential Given the Different Constraints

Julija Konstantinavičienė, Vlada Vitunskienė, Vytautas Magnus University (Lithuania)

The Role of Non-traditional Agriculture in the Sustainable Rural Development

Jurgita Zaleckienė, Vytautas Jakevičius, Vytautas Magnus University (Lithuania)

Mapping of Resent Greenhouse Gas Related Research Activities in the Field of Organic Soil Management in Agriculture Land in Latvia

Ieva Licite, Dina Popluga, Latvian State Forest Research Institute "Silava", Latvia University of Life Science and Technologies (Latvia)

Challenges of Climate Change and Ecosystem Services: the Case of the Coastal-Rural Area of Nemunas River Reaches and Curonian Lagoon (Lithuania)

Rasa Pranskūnienė, Lina Marcinkevičiūtė, Vytautas Magnus University (Lithuania)

The Impact of COVID-19 Pandemics on the Wooden Garden House Market in Estonia*Laura Peedosaar, Estonian University of Life Sciences (Estonia)*

Theoretical Model of the Impact of Rhetorical Figures on Consumer Attitude Towards Advertising*Arnas Dedela, Lina Pilelienė, Vytautas Magnus University (Lithuania)*

The Empirical Study of the Manifestation of Green Logistics Practices in Lithuanian Transport and Logistics Service Companies*Milita Vienažindienė, Vilma Tamulienė, Jurgita Zaleckienė, Vytautas Magnus University (Lithuania)*

Development of Inland Waterway Transport in Lithuania: the Key to Reduce the Environmental Impact*Elena Plotnikova, Milita Vienažindienė, Stasys Slavinskas, Vytautas Magnus University (Lithuania)*

Impact Factors of Organic Consumption and their Importance in Lithuanian Market*Vilma Tamulienė, Lina Pilelienė, Vytautas Magnus University (Lithuania)*

Expectations of Crop Insurance Participants and their Implementation in European Countries*Martynas Rusteika, Vytautas Magnus University (Lithuania);
Janusz Pavel, University of Hohenheim (Germany)*

Defining Business Lending in the Context of Sustainability and the European Green Deal: Theoretical Discourse*Tereza Korsaka, Latvia University of Life Sciences and Technologies (Latvia)*

Consumer Perceived Environmental Friendliness in Advertising*Lina Pilelienė, Vytautas Magnus University (Lithuania)*

Identification of Taxable Sources of Pollution in Agriculture to Reduce N₂O Emissions*Aušra Nausėdienė, Vytautas Magnus University (Lithuania)*

Development of High Value-Added Bio-Businesses Through Innovative Business Models*Judita Astrovienė, Jolita Greblikaitė, Vytautas Magnus University (Lithuania)*

Section I

Bioeconomy Contribution to the European Green Deal

Wednesday, 04 May 2022
13:00–15:00 (EEST)

Moderators:
 Dr. Anne Põder, EMU
 Lect. Dr. Aušra Nausėdienė, VMU

The Process Management of Zero Waste Bio Economy

Kenan Peker, Firat University (Turkey)

Plate Waste in School Catering in Rezekne, Latvia

Jeļena Lonska, Anda Zvaigzne, Inta Kotāne, Inese Silicka, Lienite Litavniece, Sergejs Kodors, Juta Deksnē, Aija Vonoga, Rezekne Academy of Technologies (Latvia)

Analysis of the Tendency of Lithuanian Youth towards Sustainable Consumption

Perizat Yermakhan, Anastasija Novikova, Vytautas Magnus University (Lithuania)

Return Connectedness and its Determinants Between Green and Conventional Energy Investments in Europe

Asta Bendoraitytė, Vilija Aleknevičienė, Vytautas Magnus University (Lithuania)

Opportunities and Challenges in Turkey's Strategic Documents on “Green Reconciliation”

Nuran Belet, Ankara Hacı Bayram Veli University (Turkey)

Farms and Agri-environmental Subsidies: Identification of Differences between Participating and Non-participating Farms

Kristina Gesevičienė, Erika Besusparienė, Vytautas Magnus University (Lithuania)

Environmentally Sustainable Growth in Agriculture: Evidence from the European Union Countries in 2005–2019

Lina Lauraitienė, Vlada Vitunskienė, Vytautas Magnus University (Lithuania)

Short-Term Speculation Effects on Agricultural Commodity Returns and Volatility in the European Market Prior to and During the Pandemic

Algirdas Justinas Staugaitis, Vytautas Magnus University (Lithuania)

Section II

Role of Innovative, Sustainable and Inclusive Bioeconomy in Development of Rural Areas & Logistics and Marketing of Biological Resources and Bioproducts

Wednesday, 04 May 2022 Moderators:

13:00–15:15 (EEST)

Prof. Dr. Vilma Atkočiūnienė, VMU
Assoc. Prof. Dr. Gintarė Vaznonienė,
VMU

Characteristics of a Smart Village and Areas for Intervention in the Context of Sustainable Development

Vilma Atkočiūnienė, Vytautas Magnus University (Lithuania)

Support with EU Funds for the Development of Organic Farming in Poland - Regional Approach

Agnieszka Wojewódzka-Wiewiórska, Warsaw University of Life Sciences (Poland)

Features of Interactive Communication in Short Food Supply Chains

Gintarė Vaznonienė, Vytautas Magnus University (Lithuania)

Examples of Bioeconomy from South Bohemia Region

Eva Cudlínová, Nikola Sagapova, University of South Bohemia (Czech Republic)

Agroindustrial Waste Management Technologies in Uzbekistan

Muhtor Nasirov, Samarkand State University (Uzbekistan)

Extent of Internal Stem Decay in Standing Common and Grey Alder Stems

Alise Bleive, Jānis Liepiņš, Kaspars Liepiņš, Latvian State Forest Research Institute "Silava" (Latvia)

Is Energy farming a threat or an opportunity for food security?

Abdou Gafarou Abdoulaye Bamoi, Makbule Nisa Mencet Yelboğa, Handan Giray, Akdeniz University (Turkey)

The Benefits of Introducing Nature Based Solutions to the Urban and Rural Space

Agnieszka Jaszczak, Ewelina Pochodyła, University of Warmia and Mazury in Olsztyn (Poland)

The Provision of Local Public Services in the Aspect of Sustainable Development

Lukasz Satola, University of Agriculture in Krakow (Poland)

Panel Discussion

Organised in collaboration with the BioBaltic project consortium. For more information, please visit: <https://nordregioprojects.org/biobaltic/>

Thursday, 05 May 2022
10:00–11:30 (EEST)

Moderators:

Virginija Kargytė, Deputy Director for International Affairs at Bioeconomy Research Institute of Vytautas Magnus University, Lithuania

Alberto Giacometti, Research Fellow at Nordregio, Sweden

Opening Remarks:

Assoc. Prof. Dr. Bernardas Vaznonis, Dean of Faculty of Bioeconomy Development, Vytautas Magnus University

The Role of Regions in the Green Transition



Key Speakers:

Milla Bruneau, *Executive Director of Lahti – European Green Capital 2021, Finland*



Eva Helén, *Strategist and Coordinator of MatLust Development, Project Leader at Södertälje Science Park, Sweden*



Elina Kalliala, *Development Manager, Sustainability, Ramboll, Finland*

Section III

Innovative Business Solutions in the Bioeconomy

Thursday, 05 May 2022

12:30–15:00 (EEST)

Moderators:

Assoc. Prof. Dr. Anastasija Novikova,
VMU
Lect. Dr. Algirdas Justinas Staugaitis,
VMU

The Need for Innovative Management Instrument for Farms in Lithuania

Jolita Greblikaitė, Lyudmila Severyn-Mrachkovska, Vytautas Magnus University (Lithuania)

Straw Spreading Quality of the Combine Harvester

Antanas Juostas, Eglė Jotautienė, Klaudijus Žiukas, Dainius Balčiūnas Vytautas Magnus University (Lithuania)

Use of Telemetry Data for Effective Decision-Making in Response to Green Deal

Eglė Jotautienė, Antanas Juostas, Vytautas Magnus University (Lithuania)

Carbon Farming Practices and Tools as a Chance to Mitigate Climate Change

Maciej Stawicki, Warsaw University of Life Sciences (Poland)

Digitalisations and Competencies in the Context with COVID -19

Baiba Rivza, Laura Jeroscenkova, Peteris Rivza, Latvia University of Life Sciences and Technologies (Latvia)

Innovative Business Model Based on the Case of a Fish Farm Located in South-Eastern Poland

Piotr Jurga, Stelios Rozakis, Magdalena Borzęcka, Jerzy Kozyra, Institute of Soil Science and Plant Cultivation State Research Institute (Poland)

Bioeconomic Potential of Hazelnut Milk

Mehmet Rifat Aldag, Ministry of Agriculture and Forestry (Turkey)

Biophilic Design Meaning for Employees' Behavior

Greta Gogytė, Loreta Bukšnytė-Marmienė, Vytautas Magnus University (Lithuania)

The Use of Coffee By-product Waste in Different Production Activities in Selected Countries in Europe

Anna Zielińska-Chmielewska, Dobrosława Mruk-Tomczak, Poznań University of Economics and Business (Poland)

Business Model Changes Towards the Digitalisation of the Bioeconomy Sector

Sandija Zeverte-Rivza, Ina Gudele, Latvia University of Life Sciences and Technologies, Celteh ltd (Latvia)



Organisers:

Faculty of Bioeconomy Development Vytautas Magnus University Agriculture Academy, Lithuania

The faculty of Bioeconomy Development is situated in the environmentally friendly campus of the VMU Agriculture Academy. The Faculty of Bioeconomy Development was formed on 1 January 2019 of the Faculty of Economics and Management. Faculty of Bioeconomy Development is the first in Lithuania in development and research in the science of bioeconomy, which delivers unique study programmes centered on one of the key areas of bioeconomy – agriculture and regional development. Goals of the faculty are to prepare highly qualified, professional experts in policy making for agriculture and regional development, holding sufficient competence to create their own business and develop close relations with bioeconomy business leaders and authorities.



Latvia University of Life Sciences and Technologies

The Latvia University of Life Sciences and Technologies is a Latvian higher education and science institution that conducts scientific research as well as academic and professional study programs. The university's history begins in 1863, when the Department of Agriculture was formed at the Riga Polytechnicum. It became an autonomous institution in 1939, when it was formed as the Academy of Agriculture in the newly restored Jelgava Palace. In 1991, the university was renamed the "Latvia University of Agriculture," and since March 6, 2018, the LLU Senate has adopted the English name "Latvia University of Life Sciences and Technologies." Nowadays, it is one of the Baltic Sea region's top scientific institutions, focusing on the sustainable use of natural resources with the goal of improving quality of life for society. The institution is made up of eight faculties that provide a wide range of study programs, including economics and business management.



Our partners:

BIOBALTIC – NORDIC BALTIC COOPERATION WITHIN BIO-CIRCULAR-ECONOMY

Website: <https://nordregioprojects.org/biobaltic/>

Contacts:

Email: SBDconference@vdu.lt

Conference website: <https://sbd.vdu.lt/>