BALTICBIOMASS4VALUE

UNLOCKING THE POTENTIAL OF BIO-BASED VALUE CHAINS IN THE BALTIC SEA REGION

INTERACTIVE ONLINE PORTAL PRESENTATION

Interreg Baltic Sea Region
EUROPEAN UNION
EUROPEAN REGIONAL DEVELOPMENT FUND
BalticBiomass4Value

FNR
Fachagentur Nachwachsende Rohstoffe e.V.

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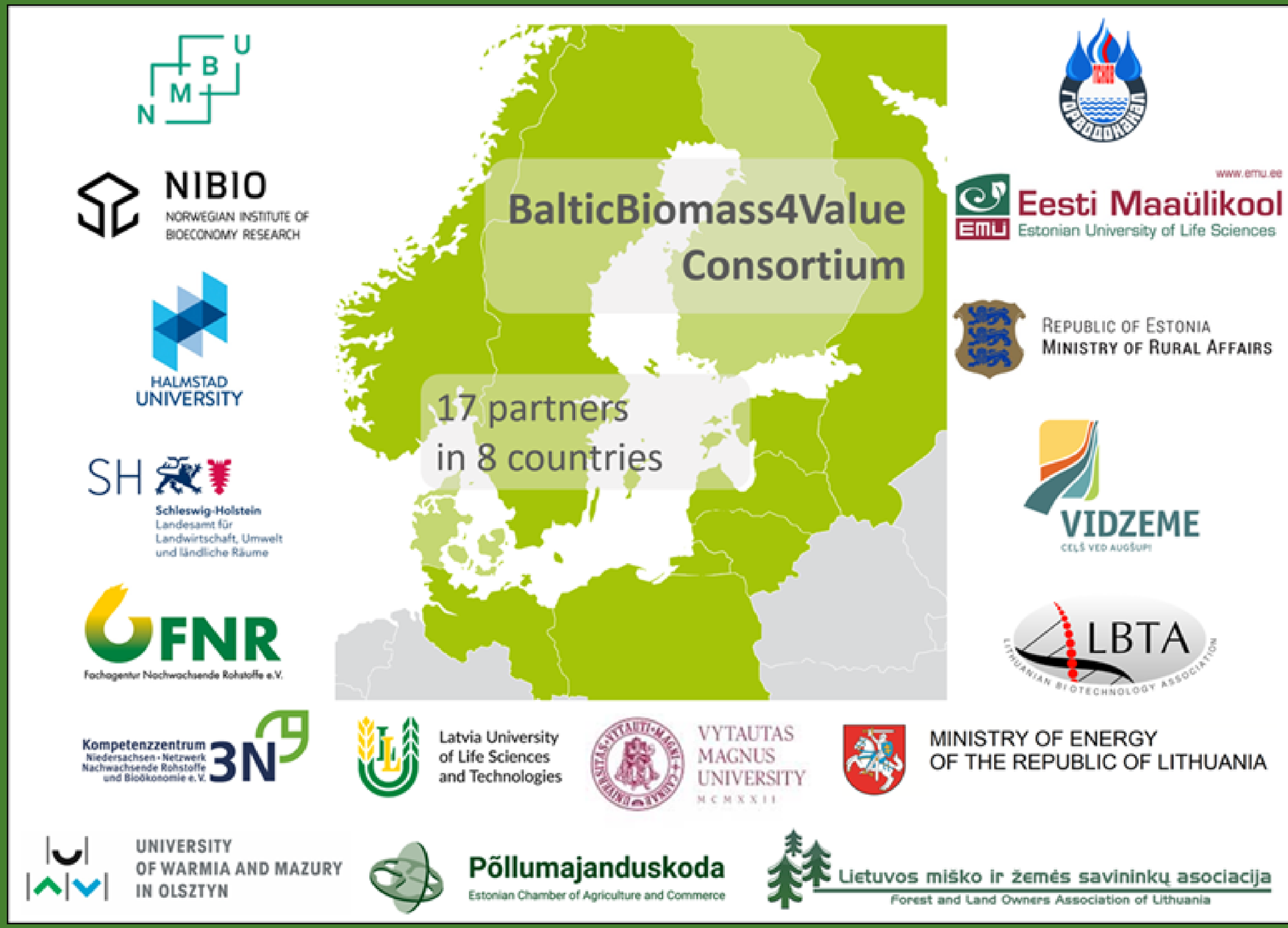
AGENDA

- The BalticBiomass4Value project
- The Interactive Online Portal
- Outlining the features of the Interactive Online Portal
- Discussion

THE BALTICBIOMASS4VALUE PROJECT

Aims to enhance capacity of public and private actors within the Baltic Sea Region **to produce bioenergy in more environmentally sustainable and economically viable way by utilising new biomass sources (biological waste) for energy production, as well as possibilities to use bioenergy side streams for higher value bio-based products**.


BalticBiomass4Value
Consortium
17 partners
in 8 countries
NMBU
NIBIO
NORWEGIAN INSTITUTE OF BIOECONOMY RESEARCH
HALMSTAD UNIVERSITY
SH
Schleswig-Holstein
Landesamt für Landwirtschaft, Umwelt und ländliche Räume
FNR
Fachagentur Nachwachsende Rohstoffe e.V.
Kompetenzzentrum Niedersachsen · Netzwerk Nachwachsende Rohstoffe und Biokonomie e.V. 3N
Latvia University of Life Sciences and Technologies
VYTAUTAS MAGNUS UNIVERSITY
MCMXXII
MINISTRY OF ENERGY OF THE REPUBLIC OF LITHUANIA
UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN
Põllumajanduskoda
Estonian Chamber of Agriculture and Commerce
Lietuvos miško ir žemės savininkų asociacija
Forest and Land Owners Association of Lithuania
www.emu.ee
Eesti Maaülikool
Estonian University of Life Sciences
REPUBLIC OF ESTONIA
MINISTRY OF RURAL AFFAIRS
VIDZEME
CEĻŠ VED AUGŠUP!
LBTA
LITHUANIAN BIOTECHNOLOGY ASSOCIATION

THE INTERACTIVE ONLINE PORTAL

BALTICBIOMASS4VALUE.EU

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EUROPEAN REGIONAL DEVELOPMENT FUND
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INTERACTIVE ONLINE PORTAL

- Database providing collected and processed data relevant for public authorities and business enterprises in the Baltic Sea Region.
- Information that was collected during the project is made available in an accessible way.

Link: https://balticbiomass4value.eu/

AIM OF THE INTERACTIVE ONLINE PORTAL

- Improve knowledge and technology transfer services in eight countries (Germany, Poland, Sweden, Lithuania, Estonia, Latvia, Russia and Norway).
- Dissemination of project outputs.

FEATURES OF THE INTERACTIVE ONLINE PORTAL

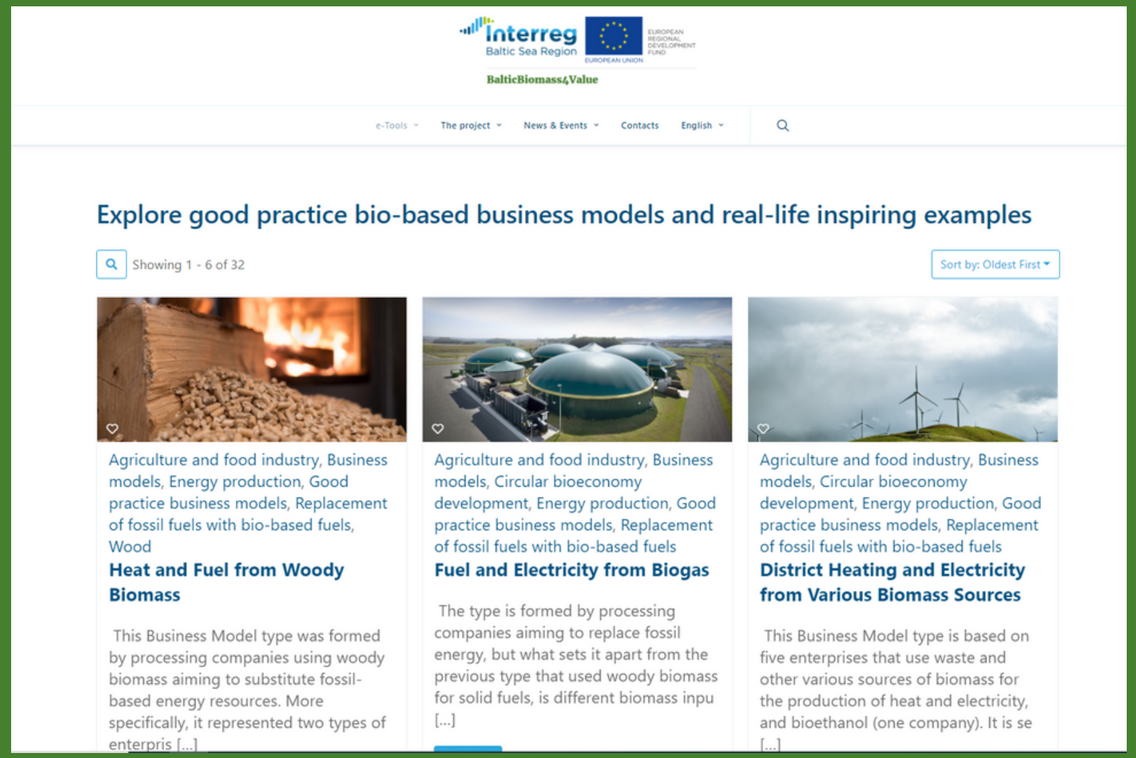
CATALOGUE OF GOOD PRACTICE BUSINESS MODELS

DATABASE OF STATISTICAL INDICATORS, INCLUDING SEVERAL CALCULATORS FOR BIOLOGICAL WASTE POTENTIAL AND BIOENERGY DEMAND MODELLING

BUSINESS PLANNING TOOL

CATALOGUE OF MEASURES TO PROMOTE THE CIRCULAR BIOECONOMY AT THE LOCAL AND REGIONAL LEVEL

THE VIRTUAL LIBRARY



Example: Virtual library

Link: https://balticbiomass4value.eu/explore-good-practice-bio-based-business-models-and-real-life-inspiring-examples/

Key Points:

The virtual library displays the good practice business cases from the 2.3 report (good practice business models, Estonian University of Life Sciences).

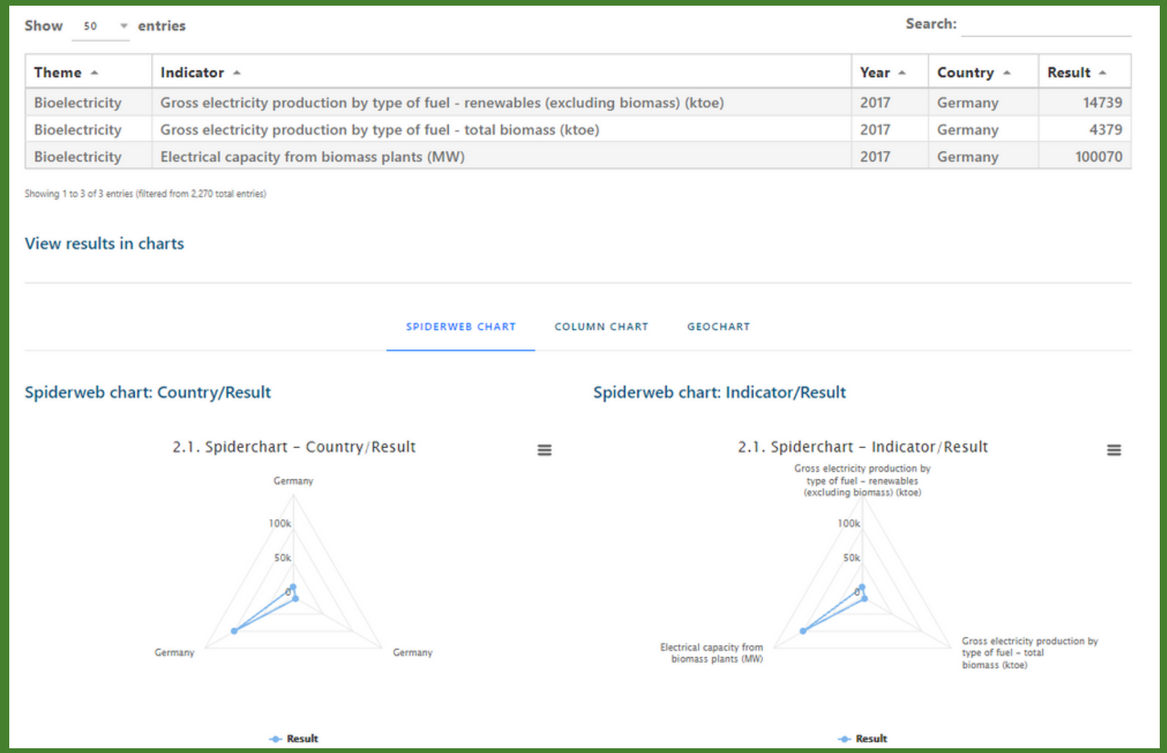
All information is available in the native languages of the project partners. Information can be downloaded and shared.

ANALYSE BIOMASS VALUE CHAINS IN THE BALTIC SEA REGION

Key Fuctions:

- Biomass resources data
- Country factsheets
- Bioenergy demand modelling tool
- Biological waste potential and bioenergy demand modelling calculators

The data found in this section is based on outputs of 2.2 (mapping of business value chains, University of Warmia and Mazury in Olsztyn) and 2.1 (market outlook and future viability of different bioenergy products, Norwegian Institute of Bioeconomy Research) activities .



Example: Biomass resources data. (Selection: Bioelectricity, 3 indicators, Germany),

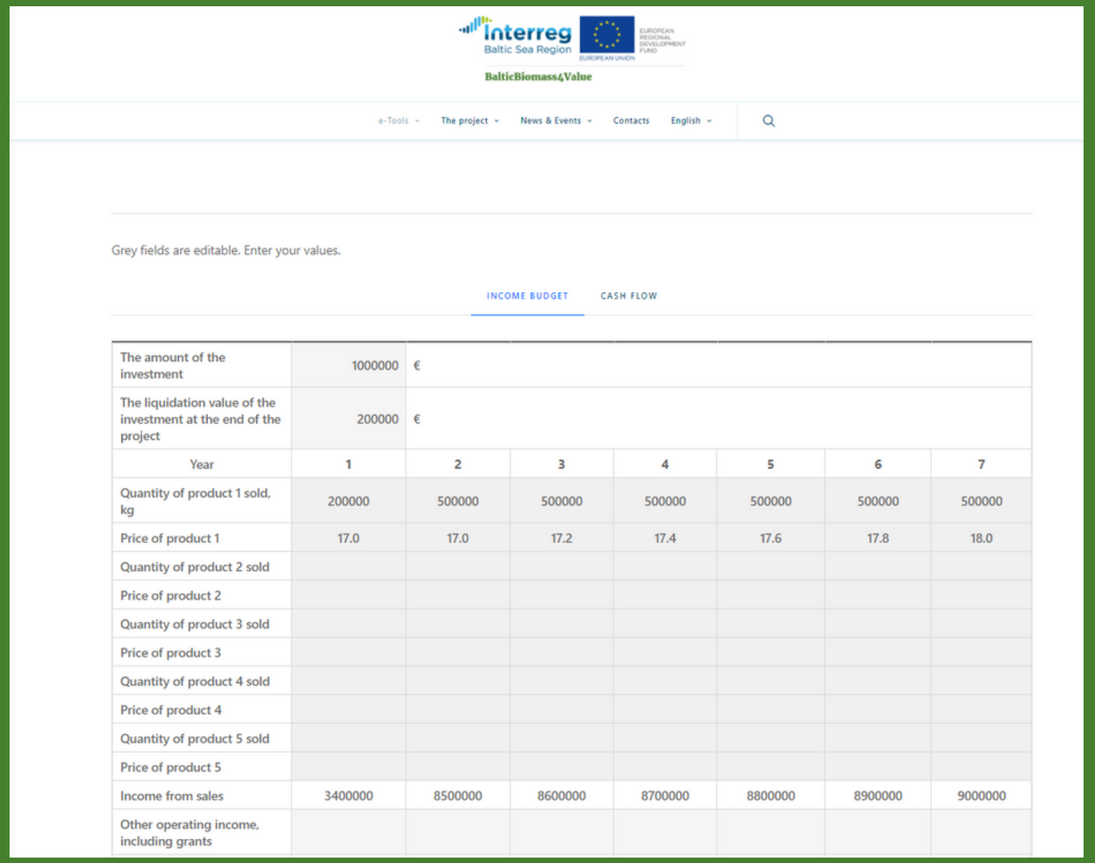
Link: https://balticbiomass4value.eu/biomass-resources-data/)

START OR EXPAND YOUR OWN BIOBASED BUSINESS

Key Functions:

- Business planning tool
- Catalogue of other relevant bio-based business analysis planning tools
- Option to suggest other relevant tools

The data in this section is based on outputs of activity 2.3 (good practice business models, Estonian University of Life Sciences).



The amount of the investment	1000000	€					
The liquidation value of the investment at the end of the project	200000	€					
Year	1	2	3	4	5	6	7
Quantity of product 1 sold, kg	200000	500000	500000	500000	500000	500000	500000
Price of product 1	17.0	17.0	17.2	17.4	17.6	17.8	18.0
Quantity of product 2 sold							
Price of product 2							
Quantity of product 3 sold							
Price of product 3							
Quantity of product 4 sold							
Price of product 4							
Quantity of product 5 sold							
Price of product 5							
Income from sales	3400000	8500000	8600000	8700000	8800000	8900000	9000000
Other operating income, including grants							

Example: Business planning tool

Link: https://balticbiomass4value.eu/business-planning-tool/

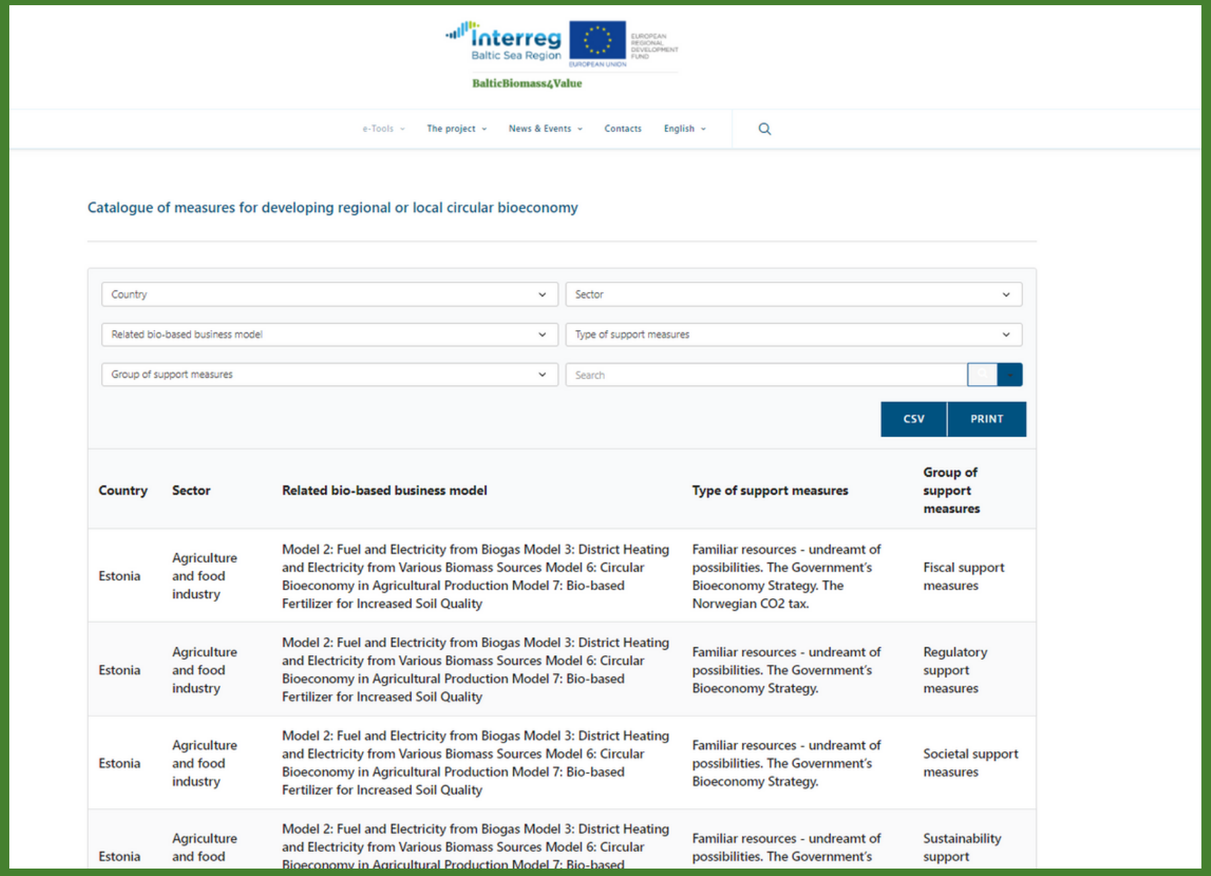
ENABLE BIOBASED BUSINESSES IN YOUR REGION

Key Functions:

- Catalogue of measures for developing regional/local circular bieconomy
- Training programme on circular bioeconomy developments and its support systems
- Option to submit good practices from your region

This section is based on outputs of activity 3.1 (Latvia University of Life Sciences and Technologies).

Link: https://balticbiomass4value.eu/catalogue-of-measures-for-developing-regional-or-local-circular-bioeconomy//



Country	Sector	Related bio-based business model	Type of support measures	Group of support measures
Estonia	Agriculture and food industry	Model 2: Fuel and Electricity from Biogas Model 3: District Heating and Electricity from Various Biomass Sources Model 6: Circular Bioeconomy in Agricultural Production Model 7: Bio-based Fertilizer for Increased Soil Quality	Familiar resources - undreamt of possibilities. The Government's Bioeconomy Strategy. The Norwegian CO2 tax.	Fiscal support measures
Estonia	Agriculture and food industry	Model 2: Fuel and Electricity from Biogas Model 3: District Heating and Electricity from Various Biomass Sources Model 6: Circular Bioeconomy in Agricultural Production Model 7: Bio-based Fertilizer for Increased Soil Quality	Familiar resources - undreamt of possibilities. The Government's Bioeconomy Strategy.	Regulatory support measures
Estonia	Agriculture and food industry	Model 2: Fuel and Electricity from Biogas Model 3: District Heating and Electricity from Various Biomass Sources Model 6: Circular Bioeconomy in Agricultural Production Model 7: Bio-based Fertilizer for Increased Soil Quality	Familiar resources - undreamt of possibilities. The Government's Bioeconomy Strategy.	Societal support measures
Estonia	Agriculture and food	Model 2: Fuel and Electricity from Biogas Model 3: District Heating and Electricity from Various Biomass Sources Model 6: Circular Bioeconomy in Agricultural Production Model 7: Bio-based	Familiar resources - undreamt of possibilities. The Government's	Sustainability support

Example: Catalogue of measures for developing regional or local bioeconomy

DISCUSSION

- Are you familiar with online platforms?
- What is your experience? What is useful/what is not?
- How can online platforms aid in knowledge transfer?
- To what extent could the BalticBiomass4Value interactive online platform be used within your institution/for other projects?

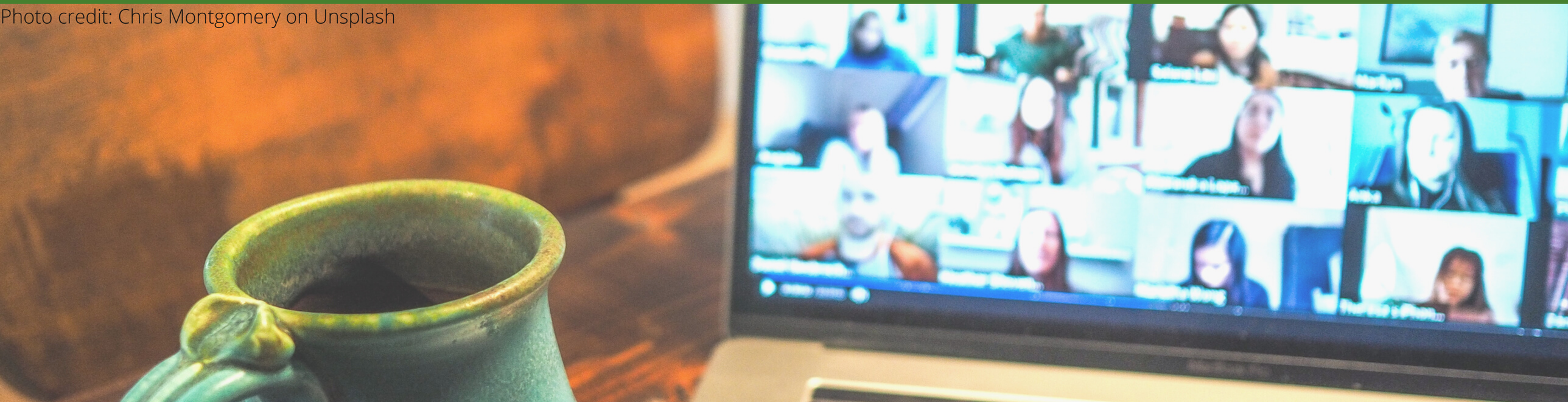


Photo credit: Chris Montgomery on Unsplash

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HTTPS://WWW.LINKEDIN.COM/COMPANY/BALTICBIOMASS4VALUE