

BIO
EAST SUP



INSTITUTE OF AGRICULTURAL
AND FOOD ECONOMICS
NATIONAL RESEARCH INSTITUTE



Faculty of Power
and Electrical Engineering



RTU
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WORKSHOP ON BIOECONOMY DEVELOPMENT AND SYSTEM DYNAMICS MODEL BUILDING

WARSAW, MARCH 5TH-6TH, 2020

Purpose: Training on applied Systems Dynamic Modeling - Contribution to the WP1/Task1.3 (Framework for National Bioeconomy Strategies Development/Developing a CEE Virtual Toolbox). Workshop will introduce with possibilities to use system dynamics modelling in bioeconomy sector development.

Target Group: Selected scientists for setting up team to build the Polish case for BIOEASTsUP

Rationale and relation to the project : Perform simulation assessment of the level of support for bioeconomy strategy development and the impact on the national economy in the BIOEAST countries. System dynamic model (that is “white box” causal-descriptive modelling tool), that has been created for Latvia will be updated and improved accordingly. A model application on Poland will be simulated in order to validate dynamic model’s flexibility for other countries with different conditions. IUNG will contribute the necessary input data from Poland for the model. This will be a scenario analysis for assessing the efficiency and sustainability of policy instruments (legislative documents, taxes, grants, subsidies, financial instruments etc.) and activities promoting development of bioeconomy for the goals set in the bioeconomy strategy. The system dynamics approach will be applied to provide foresight analysis of the development of bioeconomy, evaluate alternative pathways with respect to the most promising value chains in the BIOEAST countries.

Venue: Institute of Agriculture and Food Economics – National Research Institute, SZKOLNA 2/4, Warsaw, Room 302 [\[MAP\]](#)

PLEASE NOTE the participants should bring their own NOTEBOOK!



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AGENDA

March 5th, 2020	March 6th, 2020
9.30 – 9.40 Welcome – Dynamic modeling of bioeconomy in the strategy elaboration process, Assoc. Prof. Stelios Rozakis , Technical University of Crete	9.00 – 12.30 System Dynamics Experience. Forestry sector in Latvia. Case Study Analysis Prof. Andra Blumberga and prof. Gatis Bazbauers , Riga Technical University
9.40 – 10.00 Bioeconomy impact analysis in Poland using I-O model: linking BIOECON to BIOEASTsUP – Piotr Jurga , Institute of Soil Science and Plant Cultivation, IUNG, Prof. Stratos Loizou , University of Western Macedonia	12.30 – 13.30 Lunch break
10.00 – 11.00 Transdisciplinarity of Bioeconomy. Bioresources Value Modelling. Professor Dagnija Blumberga , Riga Technical University	13.30 – 15.00 Questions and Discussions. Expectations for BioEastsUP project development and interaction with ongoing projects. Prof. Andra Blumberga , prof. Gatis Bazbauers and prof. Dagnija Blumberga , Riga Technical University, Assoc. Prof. Stelios Rozakis , Technical University of Crete Prof. Stratos Loizou , University of Western Macedonia, Marek Wigier , Paweł Chmieliński , IERiGZ-PIB .
11.00 – 13.00 System Dynamics Modelling. Introduction Professor Andra Blumberga and professor Gatis Bazbauers , Riga Technical University	
13.00 – 14.00 Lunch break	
14.00 – 16.00 System Dynamics Modelling Experience: Apple Garden Case Study Analysis, prof. Gatis Bazbauers Riga Technical University	

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