Project: Building an Excellency Network for Heightening Agricultural ecoNomic researCh and Education in Romania — ENHANCE
This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 691681

AGENT-BASED MODELLING IN AGRICULTURAL AND RESOURCE ECONOMICS

TRAINING SESSIONS

20-24 November, 2017

Whithin the ENHANCE project, in the period 20-24 November, 2017 at the Faculty of Management, Economic Engineering and Rural Development will be conducted the third courses session of the „ Economic Modeling" module, given by the partners from Germany(IAMO)- **Dr. Zhanli Sun, Dr. Marten Graubner, Prof. Dr. Alfons Balmann si Franziska Appel.**

In this session the participants (teachers, PhD students, master students from the Faculty of Management, Economic Engineering in Agriculture and Rural Development) will learn about: *Agent-based system, Developing agent-based models, Models of agent decision making mechanism, application of ABM and Empirical applications and Simulating structural change with AgriPolis*.

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The courses detailed schedule

Time/Day	Monday, 20th Nov	Tuesday, 21st Nov	Wednesday, 22nd Nov	Thursday, 23rd Nov	Friday, 24th Nov
09:00 - 10:20	**(Starts at 9:30)** 1.1 Welcome + Introduction (ZS, MG)	2.1 Developing agent-based models: Model development walkthrough (ZS)	3.1 Developing agent-based models: Modelling for an hypothesis (ZS)	4.1 Empirical applications in AgEcon: Simulating structural change with AgriPoliS (AB)	5.1 Model parameterization,: The farm level (FA)
10:20 - 10:40	**Coffee break**	**Coffee break**	**Coffee break**	**Coffee break**	**Coffee break**
10:40 - 12:00	1.2 From CAS to ABM: Agent-based systems and modelling I (ZS)	2.3 Models of agent decision making mechanisms (MG)	3.2 Tragedy of the commons: game playing (ZS)	4.2 Model documentation – The ODD protocol (AB)	5.2 Analyzing simulation results (AB) 5.3 Feedback/Outlook (AB, FA)
12:00 -13:00	**Lunch break**	**Lunch break**	**Lunch break**	**Lunch break**	**End of the course by noon**
13:00 - 14:20	1.3 Modeling and simulation: Running your first simulation (ZS)	2.3 Application of ABM: Computational microeconomics I (MG)	3.3 Complex adaptive systems I (AB)	4.3 Model parameterization: The regional level I (AB, FA)	
14:20 -14:40	**Coffee break**	**Coffee break**	**Coffee break**	**Coffee break**	
14:40 - 16:00	1.4 From CAS to ABM: Agent-based systems and modelling II (MG)	2.4 Application of ABM: Computational microeconomics II (MG)	3.4 Complex adaptive systems II (AB)	4.4 Model parameterization: The regional level II (AB, FA)	AB: Alfons Balmann FA: Franziska Appel MG: Marten Graubner ZS: Zhanli "Jerry" Sun

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