



## 152<sup>nd</sup> EAAE Seminar

# EMERGING TECHNOLOGIES AND THE DEVELOPMENT OF AGRICULTURE



30<sup>th</sup> August – 1<sup>st</sup> September 2016, Novi Sad, Serbia

Venue:

**Banovina Palace – Seat of Assembly of the Autonomous Province of Vojvodina**

**General Sponsor**

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MK Group d.o.o., Belgrade, Serbia

**Financial support**

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Ministry of Education, Science and Technological Development of the Republic of Serbia

Provincial Secretariat for Agriculture, Water Management and Forestry,  
Government of the Autonomous Province of Vojvodina, Republic of Serbia

## SEMINAR PROGRAMME

**1<sup>st</sup> day - Tuesday, 30<sup>th</sup> August**

**08:30-10:00** Registration of participants

**10:00-10:15** Opening ceremony and Welcome speech

**10:15-11:15 Plenary Session - Large Conference Room**

Chairpersons: **Imre Ferto, Jelena Birovljev, Danilo Tomić**

✓ *Keynote speakers - Invited paper:*

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**30 min** **Johan Swinnen** - Past president of IAAE, University of Leuven, Belgium  
**Value Chains and Technology Transfer in Global Agri-Food Systems**

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**30 min** **Bernhard Brümmer** - University of Göttingen, Germany  
**Emerging Technologies in EU Agriculture**

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**11:15-11:30** MK Group - Presentation of General Sponsor

**11:30-12:00** Welcome cocktail

**12:00-13:30 Contributed papers - 3 parallel sessions (Room 1, 2, 3)**

Session One - Room 1 (Chairman: **Slađan Stanković**)

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### **The Role of Technology in Sustainable Agriculture and Food Security**

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| I/1 | Imre Ferto  | <i>Innovation in the Hungarian food economy - A reexamination</i>   |
| I/2 | Nataša Kljajić,<br>Vesna Paraušić,<br>Aleksandar Rodić  | <i>Techno-economic feasibility and the potential use of portable solar irrigation systems in agro-production sector</i> |
| I/3 | Guna Salputra,<br>Ignacio Pérez Domínguez,<br>Thomas Fellmann,<br>Jesús Barreiro Hurlé,<br>Mihaly Himics,<br>Heinz-Peter Witzke,<br>Franz Weiss | <i>Possible impacts of EU GHG mitigation policy on Western Balkans agricultural markets</i>                             |

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### **QUESTIONS AND DISCUSSION**

Session Two - Room 2 (Chairman: **Tatjana Brankov-Papić**)

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### **New Technologies and Changes in Supply Chain Organization and Performance**

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|------|---|---|
| II/1 | Miladin Ševarlić,<br>Sofija Mladenović,<br>Rade Nastić,<br>Marko Živković,<br>Luka Živković | <i>New technologies in precise agriculture and possibilities of application in Serbia</i> |
|------|---|---|

II/2	Zorica Vasiljević, Vlado Kovačević, Sladjan Stanković	<i>Farm accountancy data network as a tool for measuring efficiency of applied new technologies in agriculture</i>
II/3	Anka Popović-Vranješ, Branislav Vlahović, Anka Kasalica, Marija Jevtić, Goran Grubješić, Tijana Lopičić-Vasić	<i>Production of hard cheese for the Russian market</i>
II/4	Francesco Contò, Claudio Zaza, Nicola Faccilongo	<i>ICT platform to improve farms capabilities</i>

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**QUESTIONS AND DISCUSSION**

Session Three - Room 3 (Chairman: **Boris Kuzman**)

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**Technology Transfer and Impact on Agricultural and Rural Development**

III/1	Alexander Itskovich, Elena Patrina	<i>Technology transfer in contribution to regional development through aquaculture production</i>
III/2	Predrag Vuković, Vesna Popović, Slavica Arsić	<i>Implementation of information technology in rural tourism in the Republic of Serbia</i>
III/3	Michele Vollaro, Davide Viaggi	<i>Impacts of R&amp;D investments on European agriculture</i>

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**QUESTIONS AND DISCUSSION**

**13:30-15:00** Lunch time

**15:00-16:30** Contributed papers - 3 parallel sessions (Room 1, 2, 3)

Session One - Room 1 (Chairman: **Rade Popović**)

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**The Role of Technology in Sustainable Agriculture and Food Security**

I/1	Slaviša Đukanović	<i>Contemporary utilisation of renewable energy sources</i>
I/2	Jorgen Dejgaard Jensen	<i>Bio-refining agricultural crop products into high-value materials – Economic impacts on the agricultural sector</i>

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**QUESTIONS AND DISCUSSION**

Session Two - Room 2 (Chairman: **Vlado Kovačević**)

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**New Technologies and Changes in Supply Chain Organization and Performance**

II/1	Boris Kuzman, Milan Stegić, Nemanja Tasić	<i>Revealed comparative advantage in corn seed trade between Serbia and EU measured by MORTA</i>
II/2	Jernej Prišenk, Ivo Grgić, Jernej Turk	<i>How to identify the value-based food chains: A Slovenian case study</i>
II/3	Rade Popovic, Danilo Djokic, Zana Kleut	<i>Efficiency improvement of soybean production in Serbia</i>
II/4	Jonas Kathage, Emilio Rodriguez-Cerezo, Manuel Gomez-Barbero	<i>Impact of neonicotinoid restrictions on pest management</i>

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**QUESTIONS AND DISCUSSION**

Session Three - Room 3 (Chairman: **Todor Marković**)

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**Technology Transfer and Impact on Agricultural and Rural Development**

III/1	Biserka Komnenić, Danilo Tomić	<i>The agricultural knowledge and information system: research and technology adoption in Serbian agricultural sector</i>
III/2	Oane Visser	<i>Foreign investment, new technologies and labour relations in Russian super large farms</i>
III/3	Bojan Matkovski, Danilo Đokić, Stanislav Zekić	<i>Export performances of agricultural sector of the Western Balkan countries</i>

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**QUESTIONS AND DISCUSSION**

**16:30-18:00** Free time

**18:00-20:00** Dinner

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**2<sup>nd</sup> day - Wednesday, 31<sup>th</sup> August**

**10:00-11:00** Plenary Session - Large Conference Room

Chairpersons: **Zorica Vasiljević, Branislav Vlahović, Snežana Janković**

✓ *Keynote speakers - Invited paper:*

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**30 min** **Koviljko Lovre** - Faculty of Economics, University of Novi Sad, Serbia  
**Technical Change in Agricultural Development of the Western Balkan Countries**

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**30 min** **Jonel Subić** - Institute of Agricultural Economics, Belgrade, Serbia  
**Application of Robot System in Agriculture - Case Study of Serbia**

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**11:00-11:30** Coffee break

**11:30-12:30** Contributed papers - 3 parallel sessions (Room 1, 2, 3)

Session One - Room 1 (Chairman: **Goran Vasić**)

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**The Role of Technology in Sustainable Agriculture and Food Security**

I/1	Tatjana Brankov, Marinko Kresoja	<i>Improving information technology for food safety in Serbia</i>
I/2	Abiodun Elijah Obayelu, John Adeoti, Rene Kemp, Jacinta Ndichu, Julian Blohmke	<i>Determinants of changes in sale of renewable energy technologies (RETs) in Nigeria and Kenya</i>

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**QUESTIONS AND DISCUSSION**

Session Two - Room 2 (Chairman: **Michele Vollaro**)

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**New Technologies and Changes in Supply Chain Organization and Performance**

II/1	Predrag Ikonić, Tatjana Tasić, Aleksandra Novaković, Jovanka Lević, Olivera Đuragić	<i>Support to small producers of traditional meat products to improve production process and raise capacity</i>
II/2	Anka Popović-Vranješ, Snežana Janković, Rade Jovanović, Tijana Lopičić-Vasić, Goran Grubješić	<i>Models of successful family business on farms based on the production of milk and traditional dairy products</i>
II/3	Željko Kokot, Todor Marković	<i>Economic justification of apple storage</i>

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**QUESTIONS AND DISCUSSION**

Session Three - Room 3 (Chairman: **Jernej Prišenk**)

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**Technology Transfer and Impact on Agricultural and Rural Development**

III/1	Olagunju Oluseyi Kehinde, Nikola Trendov	<i>Welfare impact of rural infrastructure in Nigeria</i>
III/2	Goran Vasić	<i>Support of use of renewable energy sources as well as an instrument of rural development</i>
III/3	Michele Vollaro, Meri Raggi	<i>Does farmers' awareness of innovation availability improve farm-level profitability?</i>

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**QUESTIONS AND DISCUSSION**

**12:30-14:00** Lunch time

**14:00-15:30** Closing Plenary Session

Moderator:

**Danilo Tomić**

Panelists:

**Johan Swinnen, Bernhard Brümmer, Koviljko Lovre, Jonel Subić**

**15:30-19:00** Field trip to Sremski Karlovci (10 km from Novi Sad)

**19:00-22:00** Banquet - Restaurant Dunav

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**3<sup>rd</sup> day - Thursday, 1<sup>st</sup> September**

**10:00-11:30** Round table:

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**The Perspectives of European Agricultural Economics Profession**

Moderator:

**Koviljko Lovre**

Discussions:

**Imre Fertó, Johan Swinnen, Zorica Vasiljević, Bernhard Brümmer**