



EUROPOS ŽEMĖS ŪKIO FONDAS KAIMO PLĖTRAI:
EUROPA INVESTUOJA Į KAIMO VIETOVES



LIETUVOS RESPUBLIKOS
ŽEMĖS ŪKIO MINISTERIJA



Aleksandro
Stulginskio
Universitetas

The 7th International Scientific Conference

RURAL DEVELOPMENT 2015:

***Towards the Transfer of Knowledge, Innovations
and Social Progress***

19-20th November, 2015

PROGRAMME

Aleksandras Stulginskis University
Akademija, Kaunas district, Lithuania
<http://www.ruraldevelopment.lt>

Dear scientists and experts, rural development policy makers and colleagues

I am honoured and delighted to welcome you to the 7th international scientific conference “Rural Development 2015: Towards the Transfer of Knowledge, Innovations and Social Progress”.

Research and innovations are built upon a knowledge and innovation system that develops and diffuses knowledge, inspires and identifies opportunities, mobilises resources, helps manage risks and forms markets, legitimizes activities and develops positive externalities. Over recent years, the Europe Commission has taken several initiatives to strengthen knowledge and innovation systems, such as the Europe 2020 strategy, that includes the Innovation Union and the European Innovation Partnerships. These initiatives support the transition towards a system in which knowledge is co-produced by all actors that engage with each other in processes of learning and even co-evolution. The scientific Steering Committee of Expo 2015 identified five cross-cutting structural issues that reinforce this vision (1) stimulating foresight and futures research; (2) stimulating interdisciplinary and strategic research and action; (3) investing in aligning research; (4) transferring knowledge into innovation and practice; and (5) investing in education and communication to the public.

The 7th international scientific conference “Rural Development’2015” will continue to be the most effective bi-annual platform for the interdisciplinary-scientific discussions on sustainable rural development and social progress through knowledge transfer and innovations. Broad participation of scientists, practitioners, policy makers, private sector actors around the world will be awarded the possibility to share their experience helping countries to provide their citizens with a more competitive economy, more and better jobs and a better quality of life.

Issues of conference will be discussed in different sections: (1) Biosystems Engineering and Environment; (2) Agro-innovations and Food Technologies; (3) Multifunctional Approach for Sustainable Use of Natural Resources; (4) Social Innovations for Rural Development.

In the scope of the conference will take a place the political forum on the EU Policy for Rural Development with main focus on the (1) Opportunities for farm competitiveness under the EU Common Agricultural Policy in the period of 2014-2020 and (2) European Innovation Partnership: New Opportunities for Farmers, Advisory Services and Agricultural Science.

On the second day of the conference we will have extraordinary event – opening of new Communication and Technology transfer Centre which is the key-core infrastructure for cooperation between science and business within scientific valley “Nemunas”.

The conference venue is Aleksandras Stulginskis University - a state institution of higher education and research, which is constantly improving its activity and meeting the highest expectations of society needs. We are serving our mission by creating and disseminating scientific knowledge, sincerely striving for safe and healthy food and full-fledged living environment for every citizen of Lithuania. But our mission goes beyond our country. We are getting very much international, serving many people of the planet and sharing our knowledge with them.

I hope that you will find the conference and your stay in Lithuania both valuable and enjoyable.

Yours sincerely,
Prof. dr. Antanas Maziliauskas
Rector of Aleksandras Stulginskis University,
Chairman of Scientific Committee

Scientific committee:

Chairperson – prof. dr. Antanas Maziliauskas – Rector of the Aleksandras Stulginskis University

Vice-chairperson – assoc. prof. dr. Laima Taparauskienė – Vice-Rector of the Aleksandras Stulginskis University

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Assoc. prof. dr. Jiří Mašek (Czech University of Life Science in Prague, Czech Republic)

Prof. dr. Violeta Makarevičienė (Aleksandras Stulginskis University, Lithuania)

Prof. dr. Velta Parsova (Latvia University of Agriculture, Latvia)

Prof. dr. Arvydas Povilaitis (Aleksandras Stulginskis University, Lithuania)

Prof. dr. habil. Baiba Rivža (Latvian University of Agriculture, Latvia)

Prof. dr. Heinz Roehle (Tachnical University of Dresden, Germany)

Prof. dr. Nikolaj Smolin (Ogarev Mordovia State University, Russia)

Prof. habil. dr. Barbara Sawicka (University of Life Sciences in Liublin, Poland)

Dr. Sc. Velibor Spalevic (Institute of Forestry, Podgorica, Montenegro)

Prof. dr. Egidijus Šarauskis (Aleksandras Stulginskis University, Lithuania)

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Prof. dr. Leslie A. Weston (Charles Sturt University, Australia)

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Administrator of conference – dr. Judita Černiauskienė

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Proceedings of the International Scientific conference “Rural Development 2015” are indexed and abstracted in the international databases: Thomson Reuters ISI Web of Science (Conference Proceedings Citation Index), Business Source Complete (EBSCO).

All papers have been peer reviewed by two reviewers and will be published submitted on the Opened Journal System in the Proceedings of the International Scientific conference “Rural Development 2015” until 28th of December, 2015.

Website of the OJS: <http://conf.rd.asu.lt/index.php/rd/index>

Conference website: <http://www.ruraldevelopment.lt>

Thursday 19th November, 2015

9.00-10.00 Registration of participants

(Ceremony hall, Central building, Studentų str. 11, Akademija)

10.00-13.00 Plenary session

Chairpersons: assoc. prof. dr. Laima Taparauskienė, prof. dr. Arvydas Povilaitis

10.00-10.20 Welcome speech

Rector prof. dr. Antanas Maziliauskas,
Vice Minister of Agriculture of the Republic of Lithuania Vilius Martusevičius
partners of the conference

10.20-10.40 Rural renaissance: grasping opportunities to boost rural jobs and growth

Alexia Rouby
Research programme officer European Commission, DG Agriculture and Rural Development, Unit H5 – Research and innovation

10.40–11.00 International agro-biological resources for sustainable agricultural production

Prof. dr. Fujii Yoshiharu
Tokyo University of Agriculture and Technology (Japan)

11.00–11.20 Development of Small Farms in EU 10 (CEECs) between 2005-2010

Prof. dr. Csaba Forgacs
Budapest Corvinus University (Hungary)

11.20–11.40 Coffee break

11.40–12.00 Towards to bio-economy – perspectives of German biosystems-engineering under actual political framework

Prof. dr. Thomas Hoffmann
Leibniz Institute for Agricultural Engineering (Germany)

12.00–12.20 Coping with global changes, recognizing new opportunities

Dr. Karlheinz Knickel
Johann Wolfgang Goethe University Frankfurt (Germany)

12.20–12.40 The effects of forest management on genetic diversity and spatial genetic structure of Scots pine stands

Prof. dr. Darius Danusevičius
Aleksandras Stulginskis University (Lithuania)

12.40–13.00 Discussion

13.00–14.00 Lunch (Lobby auditorium, 3rd building, Universiteto str. 10, Akademija)

14.00–16.00 Presentations and discussions in sections:

Section 1. Biosystems Engineering and Environment

(Room No. 607, 3rd building, Universiteto str. 10, Akademija);

Section 2. Agro-innovations and Food Technologies

(Room No. 618, Lobby auditorium, 3rd building, Universiteto str. 10, Akademija);

Section 3. Multifunctional Approach for Sustainable Use of Natural Resources

(Room No. 601, 620, 3rd building, Universiteto str. 10, Akademija);

Section 4. Social Innovations for Rural Development

(Room No. 602, 604, 615, 3rd building, Universiteto str. 10, Akademija).

16.00–18.00 Political Forum on the EU Policy for Rural Development

(Room No. 604, 3rd building, Universiteto str. 10, Akademija)

19.00–22.00 Gala Dinner in Raudondvaris manor

(Pilies takas str. No 1, Raudondvaris village, Raudondvaris eldarity, Kaunas district)

Friday 20th November, 2015

9.00-13.00 Presentations and discussions in sections

Section 1. Biosystems Engineering and Environment (Room No. 607, Lobby auditorium, 3rd building, Universiteto str. 10, Akademija);

Section 3. Multifunctional Approach for Sustainable Use of Natural Resources (Room No. 601, 620, Lobby auditorium, 3rd building, Universiteto str. 10, Akademija);

Section 4. Social Innovations for Rural Development (Room No. 602, 604, 615, Lobby auditorium, 3rd building, Universiteto str. 10, Akademija).

9.30-15.30 Official opening ceremony of Communication and Technology Transfer Centre

(Conference Hall, 4th building, Universiteto str. 8a, Akademija)

13.00–14.00 Lunch

14.00-15.30 Final plenary session

(Room No. 604, 3rd building, Universiteto str. 10, Akademija)

Chairpersons: prof. dr. Asta Raupelienė, prof. dr. Gintautas Mozgeris

Section 1. Biosystems Engineering and Environment

Assoc. prof. dr. Rytis Skominas

Aleksandras Stulginskis University (Lithuania)

Section 2. Agro-innovations and Food Technologies

dr. Zita Kriaučiūnienė

Aleksandras Stulginskis University (Lithuania)

Section 3. Multifunctional Approach for Sustainable Use of Natural Resources

Prof. dr. Darius Danusevičius

Aleksandras Stulginskis University (Lithuania)

Section 4. Social Innovations for Rural Development

Prof. dr. Vilija Aleknevičienė

Aleksandras Stulginskis University (Lithuania)

SECTION 1. BIOSYSTEMS ENGINEERING AND ENVIRONMENT

**Thursday 19th November, 2015, room No. 607 (3rd building,
Universiteto str. 10, Akademija)**

Chairpersons assoc. prof. dr. Algirdas Jasinskas, assoc. prof. dr. Jiří Mašek

<i>Agricultural Machinery and Technologies Safety of Environment and Technologies Durability of Engineering Structures and Sustainable Construction Renewable Energetics</i>	
14.00-14.15	Research on mechanical properties of single-component epoxy designed for bonding of structural joints Miroslav Müller <i>Czech University of Life Sciences Prague (Czech Republic)</i>
14.15-14.30	Scour duration at structures at steady flow conditions Lauva Oskars, Gjunsburgs Boriss <i>Riga Technical University (Latvia)</i>
14.30-14.45	Comparison of concrete compressive strength values obtained using rebound hammer and drilled core specimens Raimondas Sadzevicius, Tatjana Sankauskiene, Petras Milius <i>Aleksandras Stulginskis University (Lithuania)</i>
14.45-15.00	The influence breeding on the mechanical properties of the hoof horn in Czech warmblood horses Petr Valášek, Miroslav Müller, Michaela Jamelská <i>Czech University of Life Sciences Prague (Czech Republic)</i>
15.00-15.15	Granulometric study of NPK 20-8-8 and dolophos fertilizers Josef Krupička, Petr Šařec, Petr Novák <i>Czech University of Life Sciences Prague (Czech Republic)</i>
15.15-15.30	Soil tillage focusing on the reduction of water erosion of soil in the cultivation of selected field crops Petr Novák, Jiří Mašek, Josef Hůla, Lukáš Beneš <i>Czech University of Life Sciences Prague (Czech Republic)</i>
15.30-15.45	Assessment of herbal plant biofuel pellet quality indicators Algirdas Jasinskas, Egidijus Šarauskis, Asta Gutautaitė <i>Aleksandras Stulginskis University (Lithuania)</i> Jiří Mašek <i>Czech University of Life Sciences Prague (Czech Republic)</i>
15.45-16.00	Energy potential of biogas production in Belarus and Lithuania from livestock and poultry wastes Kęstutis Navickas, Kęstutis Venslauskas, Arvydas Nekrošius, Vidmantas Župerka <i>Aleksandras Stulginskis University (Lithuania)</i> Nikolaj Kapustin <i>SPC NAS of Belarus for agricultural mechanization (Belarus)</i>

**Friday 20th November, 2015, room No. 607 (3rd building,
Universiteto str. 10, Akademija)**

Chairpersons assoc. prof. dr. Algirdas Jasinskas, assoc. prof. dr. Jiří Mašek

Agricultural Machinery and Technologies Power and Transport Machines Renewable Energetics Safety of Environment and Technologies Durability of Engineering Structures and Sustainable Construction	
9.00-9.15	Performance evaluation of combine harvesters Jiří Mašek, Petr Novák, Milan Kroulík <i>Czech University of Life Sciences Prague (Czech Republic)</i> Algirdas Jasinskas <i>Aleksandras Stulginskis University (Lithuania)</i>
9.15-9.30	Experimental investigation of energy characteristics of evacuated tube heat-pipe solar collector system Antanas Kavolynas, Rolandas Drejeris <i>Aleksandras Stulginskis University (Lithuania)</i>
9.30-9.45	Estimation of type and amount of aggregates in hardened concrete Vincas Gurskis, Rytis Skominas, Raimondas Šadzevičius, Dainius Ramukevičius <i>Aleksandras Stulginskis University (Lithuania)</i>
9.45-10.00	Influence of the biodiesel fuels with multifunctional additives on the diesel engine efficiency Renaldas Baranauskas <i>Aleksandras Stulginskis University (Lithuania)</i> Risto Ilves, Arne Küüt, Jüri Olt <i>University of Life Sciences (Estonia)</i>
10.00-10.15	Investigations of applying biological product <i>biokal1</i> on potato crops with specific equipment <i>Lechler Dropleg^{UL}</i> for spraying under the leaves of cultural plants Povilas Šniauka, Remigijus Zinkevičius <i>Aleksandras Stulginskis University (Lithuania)</i>
10.15-10.30	Sustainable construction of agro-industrial buildings from straw panels Raimondas Šadzevičius, Vincas Gurskis, Dainius Ramukevičius <i>Aleksandras Stulginskis University (Lithuania)</i>
10.30-10.45	Tendencies of noise levels in cabs of agricultural tractors Ričardas Butkus, Minvydas Liegus, Gediminas Vasiliauskas <i>Aleksandras Stulginskis University (Lithuania)</i>
10.45-11.00	Analysis of organic agricultural waste usage for fertilizer production Ramūnas Mioldažys, Eglė Jotautienė <i>Aleksandras Stulginskis University (Lithuania)</i>
10.45-11.15	Use of EU Structural Funds for renewables in Baltic States Rimantas Dapkus ¹, Dalia Štreimikienė ² ¹ <i>Aleksandras Stulginskis University (Lithuania)</i> ² <i>Vilnius University, Kaunas Faculty of Humanities (Lithuania)</i>
11.15-12.00	Coffee Break and Poster Session

Renewable Energetics	
11.15-11.25	<ul style="list-style-type: none"> Visual impact assessment of wind turbines on landscape in Šilalė region <p style="text-align: center;">Jonas Abromas, Petras Grecevičius, Nijolė Piekienė <i>Klaipeda University (Lithuania)</i></p>
11.25-11.35	<ul style="list-style-type: none"> Biodiesel fuel production from microalgae oil by applying enzymatic transesterification with ethanol <p style="text-align: center;">Violeta Makarevičienė, Milda Gumbytė, Virginija Skorupskaitė, Miglė Navašinskaitė <i>Aleksandras Stulginskis University (Lithuania)</i></p>
Safety of Environment and Technologies	
11.35-11.45	<ul style="list-style-type: none"> Citizens' attitudes towards environment in urban settings of Northern Serbia: An exploratory empirical research in Novi Sad municipality <p style="text-align: center;">Snežana Jovičić, Boris Popov <i>University of Novi Sad (Serbia),</i> Hamid El Bilali <i>Mediterranean Agronomic Institute of Bari (CIHEAM-IAMB), (Italy)</i> Miomir Jovanovic <i>University of Podgorica (Montenegro)</i> Radomir Bodiroga, Siniša Berjan <i>University of East Sarajevo (Bosnia and Herzegovina)</i> Adriana Radosavac <i>University Business Academy (Serbia)</i></p>
Durability of Engineering Structures and Sustainable Construction	
11.45-11.55	<ul style="list-style-type: none"> Tragedy In Zolitude – a lesson for contemporary society <p style="text-align: center;">Sandra Gusta <i>Latvia University of Agriculture (Latvia)</i></p>
Agricultural Machinery and Technologies	
11.55-12.05	<ul style="list-style-type: none"> Soil characteristics in the system with permanent traffic lanes after two years of its beginning <p style="text-align: center;">Josef Hůla, Dumitru Gutu <i>Czech University of Life Sciences Prague (Czech Republic)</i> Pavel Kovaříček <i>Research Institute of Agricultural Engineering (Czech Republic)</i></p>

SECTION 2. AGRO-INNOVATIONS AND FOOD TECHNOLOGIES

**Thursday 19th November, 2015, room No. 618 (3rd building,
Universiteto str. 10, Akademija)**

Chairpersons dr. sc. ing. Aivars Aboltins, researcher dr. Zita Kriaučiūnienė

Quality of Food Raw Materials	
Plant Growth Optimization for Sustainable Crop Production	
Integration of Environmentally Friendly Products into Farming System	
14.00-14.15	Infrared drying of rhubarbs cubes Aivars Aboltins, Janis Palabinskis <i>Latvia University of Agriculture (Latvia)</i>
14.15-14.30	Options of research methods applied for organic foods authentication and their application in practical work Daiva Šileikienė, Virgilijus Skulskis <i>Aleksandras Stulginskis University (Lithuania)</i> <i>Lithuanian Institute of Agrarian Economics (Lithuania)</i>
14.30-14.15	The substitutionality of production factors in Polish commercial farms oriented towards crop production Renata Kubik, Ewa Wójcik, Anna Kobiałka, Elżbieta Kołodziej <i>University of Life Sciences in Lublin (Poland)</i>
14.45-15.00	Comparative analysis of pqp and eco-agricultural honey and bee-keeping products for 2012-2014 Daiva Šileikienė, Laima Česonienė, Lukas Skirmantas, Edita Mažuolytė-Miškinė <i>Aleksandras Stulginskis University (Lithuania)</i>
Quality of Food Raw Materials	
15.00-16.15	Poster Session
15.00-15.05	<ul style="list-style-type: none"> • Changes of <i>Actinidia kolomikta</i> fruit texture during storage in controlled atmosphere chambers Aurelija Paulauskienė, Viktoras Pranckietis, Toma Barčytė, Živilė Tarasevičienė <i>Aleksandras Stulginskis University (Lithuania)</i>
15.05-15.10	<ul style="list-style-type: none"> • Hygienic sanitary estimation of maize silage in dairy farms in Lithuania Jurgita Jovaišienė¹, Bronius Bakutis¹, Violeta Baliukonienė¹, Audrius Kačergius², Algimantas Paškevičius², Gediminas Gerulis¹ <i>¹Veterinary Academy of Lithuanian University of Health Sciences (Lithuania)</i> <i>²Institute of Botany, Nature Research Centre (Lithuania)</i>

15.10-15.15	<ul style="list-style-type: none"> Characterisation of tomato juice and different tomato-based juice blends fortified with isomerised lycopene extract <p>Dalia Urbonavičiene, Ramunė Bobinaitė, Jonas Viškelis, Pranas Viškelis, Česlovas Bobinas <i>Lithuanian Research Centre for Agriculture and Forestry, Institute of Horticulture (Lithuania)</i></p>
15.15-15.20	<ul style="list-style-type: none"> Mulching impact on the quality of oil pumpkin's (<i>Cucurbita pepo</i> L.) fruit <p>Judita Černiauskiene, Jurgita Kulaitiene, Honorata Danilčenko, Elvyra Jariene <i>Aleksandras Stulginskis University (Lithuania)</i></p>
15.20-15.25	<ul style="list-style-type: none"> Optimal postharvest storage parameters and shelf life of baby spinach (<i>Spinacia oleracea</i> L.) <p>Jonas Viškelis¹, Marina Rubinskienė¹, Dalia Urbonavičienė^{1,2}, Ramunė Bobinaitė¹, Pranas Viškelis^{1,2} ¹<i>Institute of Horticulture, Lithuanian Research Centre for Agriculture and Forestry, (Lithuania)</i> ²<i>Kaunas University of Technology, (Lithuania)</i></p>
<i>Plant Growth Optimization for Sustainable Crop Production</i>	
15.25-15.30	<ul style="list-style-type: none"> The effect of agronomic and climatic factors on winter oilseed rape (<i>Brassica napus</i> L.) root neck growth in autumn <p>Gvidas Šidlauskas, Irena Pranckietienė, Rūta Dromantienė, Viktoras Pranckietis <i>Aleksandras Stulginskis University (Lithuania)</i></p>
15.30-15.35	<ul style="list-style-type: none"> Investigation of sow lentil reaction to ionized alkaline water during early stages of ontogenesis <p>Regina Malinauskaitė, Edvardas Kazlauskas <i>Aleksandras Stulginskis University (Lithuania)</i></p>
15.35-15.40	<ul style="list-style-type: none"> Effect of foliar application of amino acids on the photosynthetic indicators and yield of winter wheat <p>Rūta Dromantienė, Irena Pranckietienė, Gvidas Šidlauskas <i>Aleksandras Stulginskis University (Lithuania)</i></p>
15.40-15.45	<ul style="list-style-type: none"> The dynamics of photosynthetic pigments in winter wheat leaves when using nitrogen fertilisers <p>Aistė Juchnevičienė, Ilona Vagusevičienė <i>Aleksandras Stulginskis University (Lithuania)</i></p>
15.45-15.50	<ul style="list-style-type: none"> The effect of photosynthetic photon flux density on cucumber and tomato transplants assimilative indices <p>Aistė Bagdonavičienė¹, Aušra Brazaitytė¹, Julė Jankauskienė¹, Pavelas Duchovskis^{1,2} ¹<i>Institute of Horticulture, Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i> ²<i>Aleksandras Stulginskis University (Lithuania)</i></p>

15.50-15.55	<ul style="list-style-type: none"> The effect of UV-A supplemental lighting on antioxidant properties of <i>Ocimum basilicum</i> L. microgreens in greenhouse <p>Viktorija Vaštakaitė¹, Akvilė Viršilė¹, Aušra Brazaitytė¹, Giedrė Samuolienė^{1, 2}, Julė Jankauskienė¹, Ramūnas Sirtautas¹, Pavelas Duchovskis^{1, 2} ¹<i>Institute of Horticulture, Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i> ²<i>Aleksandras Stulginskis University (Lithuania)</i></p>
15.55-16.00	<ul style="list-style-type: none"> The effect of nitrogen fertilisers on the grain yield of different cultivars of winter wheat <p>Ilona Vagusevičienė, Aistė Juchnevičienė <i>Aleksandras Stulginskis University (Lithuania)</i></p>
16.00-16.05	<ul style="list-style-type: none"> Weed control methods in sugar beet cultivation <p>Edita Eimutytė, Kęstutis Romaneckas, Vesta Pantelejenkovaitė, Egidijus Šarauskis, Sidona Buragienė, Aida Adamavičienė <i>Aleksandras Stulginskis University (Lithuania)</i></p>
16.05-16.10	<ul style="list-style-type: none"> The influence of liquid and micro elemental and bio-organic fertilizers on sugar beet (<i>Beta vulgaris</i> L. var. <i>Saccharifera</i>) productivity and formation of yield structure elements <p>Elena Jakienė, Vidmantas Spruogis, Anželika Dautartė <i>Aleksandras Stulginskis University (Lithuania)</i></p>
16.10-16.15	<ul style="list-style-type: none"> Improvement of oilseed rape growing technology using bio-organic fertilizer <p>Anželika Dautartė, Vidmantas Spruogis, Elena Jakienė, Romualdas Zemeckis <i>Aleksandras Stulginskis University (Lithuania)</i></p>

SECTION 3. MULTIFUNCTIONAL APPROACH FOR SUSTAINABLE USE OF NATURAL RESOURCES

**Section 3A, Thursday 19th November, 2015, room No. 601 (3rd building,
Universiteto str. 10, Akademija)**

Chairpersons prof. dr. Velta Parsova, prof. dr. Darius Danusevičius

<i>Biodiversity and Sustainability of Ecosystem Land Use Planning and Advanced Geomatics</i>	
14.00-14.15	The use and evaluation of riparian forest ecosystem services in Latvia Marcis Saklaurs <i>Latvia University of Agriculture (Latvia)</i>
14.15-14.30	Planning and management of deciduous hardwoods stands in north-western Spain: a basis for sustainable rural development Ignacio J. Diaz-Maroto, Pablo Vila-Lameiro <i>University of Santiago de Compostela, High Polytechnic School (Spain)</i>
14.30-14.45	Forest site influence on birch growth and health: Lithuanian case study Valda Araminienė, Iveta Varnagirytė-Kabašinskienė, Vidas Stakėnas <i>Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i>
14.45-15.00	Phenogenetic plasticity and adaption of Populus hybrids and clones depending to their growth rate, frost and summer drought effecting Valda Gudynaite, Alfas Pliūra <i>Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i>
15.00-15.15	Allelopathic activity of invasive species <i>Solidago canadensis</i> L. Ligita Baležentienė <i>Aleksandras Stulginskis University (Lithuania)</i>
15.15-15.30	Land policy in Latvia: implementation and evaluation of results Velta Parsova, Edvins Kapostins <i>Latvia University of Agriculture (Latvia)</i>
15.30-15.45	Factors influencing cities pedestrian street functionality and sustainable land use Ruta Diciunaite-Rauktiene¹, Vida Maliene^{1,2} <i>¹ Aleksandras Stulginskis University (Lithuania)</i> <i>² School of the Built Environment, Liverpool John Moores University (Great Britain)</i>
15.45-16.00	The influence of sewage sludge on Norway Spruce (<i>Picea abies</i> (L.) H. Karst.) seedlings growth Gerda Šilingienė, Martynas Kemėšius, Regina Vasinauskienė, Remigijus Žalkauskas <i>Aleksandras Stulginskis University (Lithuania)</i>

**Section 3B, Thursday 19th November, 2015, room No. 620 (3rd building,
Universiteto str. 10, Akademija)**

Chairpersons prof. dr. Józef Mosiej, prof. dr. Laima Česonienė

Monitoring and Management of Environment Quality Sustainable Management of Water Resources	
14.00-14.15	Some peculiarities of spatial distribution of land-based inorganic nutrients in the coastal part of the Baltic Sea Vytautas Dubra <i>Lithuanian Maritime Academy (Lithuania)</i>
14.15-14.30	Integrated melioration measures on restoration of polluted and degraded soils fertility Yuri Mazhaysky¹, Tatyana Guseva² <i>¹Russian Scientific-Research Institute of Hydrotechnyc and Melioration (Russia)</i> <i>²State Medical University (Russia)</i>
14.30-14.45	Drought occurrence under Lithuanian climatic conditions Laima Taparauskienė, Veronika Lukševičiūtė <i>Aleksandras Stulginskis University (Lithuania)</i>
14.45-15.00	Change of ecologic farm areas and cultivated cultures within the territory of Lithuania in 2010–2014 Laima Česonienė, Daiva Šileikienė, Laura Eigirdaitė <i>Aleksandras Stulginskis University (Lithuania)</i>
15.00-15.15	Comparison of operation of Kaunas and Klaipėda WWTPs digesters Midona Dapkienė, Laima Česonienė, Tomas Pilipauskas <i>Aleksandras Stulginskis University (Lithuania)</i>
15.15-15.30	New challenges in water management in rural areas – some problems Józef Mosiej, Agnieszka Bus <i>Warsaw University of Life Sciences-SGGW (Poland)</i>
15.30-15.45	Assessment of hydrological changes in the Šušvė river Gražina Žibienė, Goda Blažaitytė, Alvydas Žibas <i>Aleksandras Stulginskis University (Lithuania)</i>
15.45-16.00	Identifying the most suitable areas for surface flow wetland construction in Lithuania Antanas Dumbrasuskas, Nijole Bastiene, Petras Punys <i>Aleksandras Stulginskis University (Lithuania)</i>

**Section 3A, Friday 20th November, 2015, room No. 601 (3rd building,
Universiteto str. 10, Akademija)**

Chairpersons dr. Aigars Indriksons, prof. dr. Marius Kavaliauskas

<i>Inventory, Management and Productivity of Forest Resources Land Use Planning and Advanced Geomatics Forestry Servicing the Society Management and Conservation of Wildlife Resources</i>	
9.00-9.15	<p>Leaf reflected spectra depending on biological characteristics and growing conditions of tree species</p> <p>Amanda Karlovska¹, Inga Grinfelde¹, Ina Alsina¹, Gints Prieditis¹, Daina Roze^{2,3} ¹ <i>Latvia University of Agriculture (Latvia)</i> ² <i>Daugavpils University (Latvia)</i> ³ <i>National Botanic Garden of Latvia (Latvia)</i></p>
9.15-9.30	<p>Response reaction of Scots pine <i>Pinus sylvestris</i> L. after forest fire in forest site type <i>Hylocomiosa</i></p> <p>Lāsma Freimane, Mārtiņš Ailts <i>Latvia University of Agriculture (Latvia)</i></p>
9.30-9.45	<p>Valorisation of forest and agricultural biomass for the Spanish ceramic tile industry</p> <p>David Alfonso¹, Ana Mezquita², Eliseo Monfort², Daniel Gabaldón-Estevan³ ¹ <i>Polytechnic University of Valencia (Spain)</i> ² <i>Universitat Jaume I (Spain)</i> ³ <i>University of Valencia (Spain)</i></p>
9.45-10.00	<p>Height increment of naturally regenerated young forest stands of Scots pine <i>Pinus Sylvestris</i> L. in <i>Myrtillosa</i> forest site type</p> <p>Olga Miezīte, Ineta Eglīte, Solveiga Luguza, Imants Liepa <i>Latvia University of Agriculture (Latvia)</i></p>
10.00-10.15	<p>Unification of stands selection for final felling in strategic and tactical planning</p> <p>Ainārs Grīnvalds <i>Joint stock company „Latvijas valsts meži” (Latvia)</i></p>
10.15-10.30	<p>Precision of the ARBOTOM[®] 3-D tree tomograph in detecting decay on <i>Picea Abies</i> (L.) H. Karst trees damaged by <i>Heterobasidion annosum</i> (Fr.) bref</p> <p>Gintaras Visalga, Edmundas Petrauskas, Petras Rupšys <i>Aleksandras Stulginskis University (Lithuania)</i></p>
10.30-10.45	<p>Productivity of Common Osier (<i>Salix viminalis</i> L.) plantations in <i>Arenosols</i> and <i>Histosols</i> – marginal case study in Lithuania</p> <p>Jūratė Aleinikovienė, Vytautas Šaukščius, Gintautas Činga, Romutė Mikučionienė, Rimantas Vaisvalavičius <i>Aleksandras Stulginskis University (Lithuania)</i></p>
10.45-11.00	<p>Development of forest stand taxation indices and biodiversity in an old drainage system of Scots pine (<i>Pinus sylvestris</i> L.) swamp forest in Latvia</p> <p>Aigars Indriksons, Kristians Igaunis, Peteris Zalitis <i>Latvia University of Agriculture (Latvia)</i></p>

11.00-11.15	<p>Public opinion analysis on state forest management: case study in Kaišiadorys municipality</p> <p>Marius Kavaliauskas, Edgaras Linkevičius, Donatas Jonikavičius, Kornelija Kokankaitė <i>Aleksandras Stulginskis University (Lithuania)</i></p>
11.15-12.00	<p>Coffee break and Poster session</p>
11.15-11.20	<ul style="list-style-type: none"> Comparative evaluation of ditch filters with phosphorus sorbing calcium based filter materials <p>Nijolė Bastienė, Valerijus Gasiūnas <i>Aleksandras Stulginskis University (Lithuania)</i></p>
11.20-11.25	<ul style="list-style-type: none"> The effect of different bloodiness level on Latvian brown cow productivity <p>Lāsma Cielava, Solvita Petrovska, Daina Jonkus, Līga Paura <i>Latvia University of Agriculture (Latvia)</i></p>
11.25-11.30	<ul style="list-style-type: none"> Distribution and Dynamics of the Ground Beetle (Coleoptera, Carabidae) and the Click Beetle (Coleoptera, Elateridae) Species Abundance in Organic and Intensively Cultivated Cereal Crops <p>Sonata Kazlauskaitė, Povilas Mulerčikas, Vytautas Tamutis, Audronė Žebrauskienė, Elena Survilienė <i>Aleksandras Stulginskis University (Lithuania)</i></p>
11.30-11.35	<ul style="list-style-type: none"> Detection of xenobiotic substances in mute swans' (<i>Cygnus olor</i>) blood <p>Jolanta Stankevičiūtė, Solveiga Barkauskaitė, Gediminas Brazaitis <i>Aleksandras Stulginskis University (Lithuania)</i></p>
11.35-11.40	<ul style="list-style-type: none"> Prospects for extending the national forestry fund according to the management of the e.u. forestry strategy implementation <p>Ramona Lile¹, Sorin Stanciu², Tiberiu Iancu², Alin Dobrei³, Constantin Banu³, Alina Dobrei³, Carolina Ștefan³, Mihaela Moatăr³ ¹<i>"Aurel Vlaicu" University (Romania)</i> ² <i>Banat`s University of Agricultural Sciences and Veterinary Medicine "King Michael Ist of Romania"(Romania)</i> ³<i>Banat`s University of Agricultural Sciences and Veterinary Medicine "King Michael Ist of Romania" (Romania)</i></p>
11.40-11.45	<ul style="list-style-type: none"> Comparative analysis of the Romanian and the main European union countries' national forest systems <p>Constantin Banu¹, Ramona Lile², Tiberiu Iancu³, Mihaela Moatăr¹, Dora Orboi³, Carolina Ștefan¹, Sorin Stanciu³ ¹ <i>Banat`s University of Agricultural Sciences and Veterinary Medicine "King Michael Ist of Romania" (Romania)</i> ²<i>"Aurel Vlaicu" University (Romania)</i> ³<i>Banat`s University of Agricultural Sciences and Veterinary Medicine "King Michael Ist of Romania" (Romania)</i></p>
11.45-12.00	<p>Discussion</p>

**Section 3, Friday 20th November, 2015, Lobby auditorium (3rd building,
Universiteto str. 10, Akademija)**

Chairpersons prof. dr. Velta Parsova, prof. dr. Darius Danusevičius

Biodiversity and Sustainability of Ecosystem Land Use Planning and Advanced Geomatics	
11.00-12.00	Poster session
11.00-11.05	<ul style="list-style-type: none"> • Afforestation in Rural Development Programme and its role in changing land use structure <p align="center">Marek Ogryzek <i>University of Warmia and Mazury (Poland)</i></p>
11.05-11.10	<ul style="list-style-type: none"> • C budget in the agroecosystems of maize (<i>Zea mays L.</i>) and rapeseed (<i>Brassica napus L.</i>). <p align="center">Ovidijus Mikša, Ligita Baležentienė <i>Aleksandras Stulginskis University (Lithuania)</i></p>
11.10-11.15	<ul style="list-style-type: none"> • The change of land users in Lithuania during the period between 1920 and 2014 <p align="center">Jolanta Valčiukienė, Virginija Atkocevičienė <i>Aleksandras Stulginskis University (Lithuania)</i></p>
11.15-11.20	<ul style="list-style-type: none"> • Environmental and spatial effects of the construction of Olsztyn southern bypass road <p align="center">Jacek Kil, Marek Siemiński <i>University of Warmia and Mazury in Olsztyn (Poland)</i></p>
11.20-11.25	<ul style="list-style-type: none"> • Land use in Žuvintas biosphere reserve <p align="center">Virginija Gurskienė, Justina Jatužytė <i>Aleksandras Stulginskis University (Lithuania)</i></p>
11.25-11.30	<ul style="list-style-type: none"> • State and conditions of the amateur garden territories; land usage and management tendencies in Lithuania <p align="center">Vilma Kriaučiūnaitė-Neklejonovienė^{1,2}, Donatas Rekus^{1,2}, Mindaugas Daukšys¹, Aistė Kurtinaitytė² ¹<i>Kaunas University of Technologies (Lithuania)</i> ²<i>Aleksandras Stulginskis University (Lithuania)</i></p>
11.30-11.35	<ul style="list-style-type: none"> • Research of project solutions when selecting a location for a farmstead <p align="center">Giedrius Balevičius¹, Vilma Kriaučiūnaitė-Neklejonovienė^{1,2}, Rūta Vansauskaitė¹, ¹<i>Aleksandras Stulginskis University (Lithuania)</i> ²<i>Kaunas University of Technologies (Lithuania)</i></p>
11.35-11.40	<ul style="list-style-type: none"> • Influence of buildings exterior on the landscape of the Nemunas delta regional park <p align="center">Vincas Gurskis, Viktorija Zujevičienė <i>Aleksandras Stulginskis University (Lithuania)</i></p>

11.40-11.45	<ul style="list-style-type: none"> Influence of climate change on the Baltic sea coast <p>Giedrė Ivavičiūtė¹, Rasa Vrubliauskienė² ¹Aleksandras Stulginskis University ²University Klaipėda State University of Applied Sciences</p>
11.45-12.00	Discussion
<i>Chairpersons prof. dr. Józef Mosiej, prof. dr. Laima Česonienė</i>	
Monitoring and Management of Environment Quality Sustainable Management of Water Resources	
12.00-13.00	Poster session
12.00-12.05	<ul style="list-style-type: none"> Manure management systems and nitrogen emissions in Latvia <p>Elita Aplocina, Aivars Aboltins, Juris Priekulis <i>Latvia University of Agriculture (Latvia)</i></p>
12.05-12.10	<ul style="list-style-type: none"> Effects of controlled drainage on phosphorus transport in a sandy loam soils <p>Aurelija Rudzianskaitė, Stefanija Misevičienė <i>Aleksandras Stulginskis University (Lithuania)</i></p>
12.10-12.15	<ul style="list-style-type: none"> Efficiency of ferric sulphate for removal of phosphorus from meat processing wastewater <p>Valerijus Gasiūnas <i>Aleksandras Stulginskis University (Lithuania)</i></p>
12.15-12.20	<ul style="list-style-type: none"> Evapotranspiration-based irrigation scheduling for Picea abies seedlings <p>Vilda Grybauskiene, Gitana Vyčienė <i>Aleksandras Stulginskis University (Lithuania)</i></p>
12.20-12.25	<ul style="list-style-type: none"> Economical evaluation and potential environmental effects of hydrokinetic energy technologies <p>Inga Adamonytė, Algis Kvaraciejus, Gitana Vyčienė, Petras Punys <i>Aleksandras Stulginskis University (Lithuania)</i></p>
12.25-12.30	<ul style="list-style-type: none"> Territorial management contracts: a model for a global management of the territory <p>Adriano Ciani, Lucia Rocchi <i>University of Perugia (Italia)</i></p>
12.30-12.35	<ul style="list-style-type: none"> Nitrogen cycles in crop rotations differing in fertilization <p>Saulius Gužys, Stefanija Misevičienė <i>Aleksandras Stulginskis University (Lithuania)</i></p>
12.35-12.40	<ul style="list-style-type: none"> Nitrogen compound's alternation in groundwater by fields manuring in large livestock enterprises <p>Stefanija Misevičienė, Saulius Gužys <i>Aleksandras Stulginskis University (Lithuania)</i></p>
12.40-13.00	Discussion

SECTION 4. SOCIAL INNOVATIONS FOR RURAL DEVELOPMENT

**Section 4A, Thursday 19th November, 2015, room No. 602 (3rd building,
Universiteto str. 10, Akademija)**

Chairpersons prof. dr. Renata Marks- Bielska, assoc. prof. dr. Jolita Greblikaitė

<i>Agricultural and Rural Development Policies</i>	
14.00-14.15	<p>Glocalization and local alternative economic systems: the case of the Slovak Republic</p> <p>Iveta Ubrežiová, Elena Horská, Kamila Moravčíková, Andrea Ubrežiová <i>Slovak University of Agriculture in Nitra (Slovakia)</i></p>
14.15-14.30	<p>Provision of equal rights and opportunities relating with labour relations in public sector</p> <p>Dalia Perkumienė, Rasa Merkienė, Ozgur Oguz <i>Aleksandras Stulginskis University (Lithuania), Anadolu University (Turkey)</i></p>
14.30-14.45	<p>Farmland acquisition by foreigners in Poland in years 2000-2013</p> <p>Renata Marks-Bielska, Agata Zielińska <i>Varmia & Mazury University in Olsztyn (Poland)</i></p>
14.45-15.00	<p>Subsidies and their impact on the competitiveness of the agricultural sector in Moldova</p> <p>Liliana Cimpoiș <i>The State Agrarian University of Moldova (Moldova)</i></p>
15.00-15.15	<p>European Union´s sugar market concentration under the sugar quota production system</p> <p>Luboš Smutka, Helena Řezbová, Patrik Rovný <i>Czech University of Life Sciences Prague (Czech), Slovak University of Agriculture in Nitra (Slovakia)</i></p>
15.15-15.30	<p>The EU sugar market profile and its main drivers</p> <p>Irena Benešová, Luboš Smutka, Patrik Rovný, Renata Matysik-Pejas <i>Czech University of Life Sciences Prague (Czech), Slovak University of Agriculture in Nitra (Slovakia), Institute of Economics and Enterprises Management, FAE, UA in Krakow (Poland)</i></p>
15.30-15.45	<p>Absorption of 2007-2013 EU funding for utilization of natural assets in rural areas in Poland</p> <p>Halina Poweska <i>Warsaw University of Life Sciences – SGG (Poland)</i></p>
15.45-16.00	Discussions

**Section 4B, Thursday 19th November, 2015, room No. 604 (3rd building,
Universiteto str. 10, Akademija)**

Chairpersons prof. dr. Vilija Aleknevičienė, assoc. prof. dr. Jindřich Špička

Multifunctional and Value-Added Agriculture	
14.00-14.15	Regional differentiation of productive potential of agriculture and the effectiveness of its use in Poland Anna Nowak, Agnieszka Kamińska, Artur Krukowski <i>University of Life Sciences (Poland)</i>
14.15-14.30	The assumptions of successful development of rural tourism in Lithuania (Case study of Eastern Aukštaitija region) Vladimiras Gražulis, Ramutė Narkūnienė <i>Mykolas Romeris University (Lithuania)</i> <i>Utena College (Lithuania)</i>
14.30-14.45	Bioeconomy development potential based on more efficient land use in the EU Irina Pilvere, Aleksejs Nipers, Bartosz Mickiewicz <i>Latvia University of Agriculture (Latvia),</i> <i>West Pomeranian University of Technology Szczecin (Poland)</i>
14.45-15.00	Changes in the energy efficiency of crop production in EU countries Jindřich Špička <i>University of Economics (Czech)</i>
15.00-15.15	Sources of resilience in agricultural cooperatives: lessons learnt from 25 years of experience in Murcia (Spain) Ignacio De los Ríos, María Rivera, Carmen García, Freddy López <i>Technical University of Madrid (Spain)</i>
15.15-15.30	Evaluation of investment project for biomass usage with risk consideration Jozef Repiský, Mária Grácová <i>Slovak University of Agriculture in Nitra (Slovakia)</i>
15.30-15.45	Rural development planning in Colombia's conflict zones: a proposal from the WWP model Carlos Alberto Ávila Cerón, Ignacio De los Ríos-Carmenado, María Rivera, Susana Martín <i>Technical University of Madrid (Spain)</i>
15.45-16.00	Discussion

**Section 4C, Thursday 19th November, 2015, room No. 614, 615 (3rd building,
Universiteto str. 10, Akademija)**

Chairpersons assoc. prof. dr. Gintarė Vazonienė, dr. Anna Kłoczko-Gajewska

Social Capital Building in Rural Areas	
14.00-14.15	Rural economy: a geographical distribution of scientific discourse María Rivera, Alina Seebacher, José María Díaz Puente <i>Technical University of Madrid (Spain)</i>
14.15-14.30	Working with people model as a methodological approach to enhance social capital in Spanish rural areas Miriam Lopez Gonzalez, Raquel Pastor Carretero, Gilberto Segundo Brito Astudillo <i>Technical University of Madrid (Spain)</i>
14.30-14.45	Women on farms - case study of Poland Wojciech Pizło <i>Warsaw University of Life Sciences-SGGW (Poland)</i>
14.45-15.00	Social capital in rural development programmes in Poland and Lithuania Anna Kłoczko-Gajewska <i>Warsaw University of Life Sciences – SGGW (Poland)</i>
15.00-15.15	Research of training motivation of rural unemployed unready for labor market Bronislovas Krikščiūnas <i>Aleksandras Stulginskis University (Lithuania)</i>
15.15-15.30	Overcoming the learners' passivity in the english language classroom Ingrida Augustaitienė, Ilona Kildienė <i>Aleksandras Stulginskis University (Lithuania)</i>
15.30-15.45	The application of wellbeing research to regional level in Lithuania Gintarė Vazonienė, Bernardas Vazonis <i>Aleksandras Stulginskis University (Lithuania)</i>
15.45-16.00	Discussions

**Section 4A, Friday 20th November, 2015, room No. 602 (3rd building,
Universiteto str. 10, Akademija)**

Chairpersons assoc. prof. dr. Jan Žukovskis, dr. Nina Drejerska

<i>Agricultural and Rural Development Policies</i>	
9.00-9.15	Organizational mechanism of rural areas development sustainability Egle Štareike <i>Aleksandras Stulginskis University (Lithuania)</i>
9.15-9.30	Public policy impact on prosperity and resilience of farms and agricultural companies: Lithuanian case study Vilma Atkočiūnienė, Alvydas Aleksandravičius, Romualdas Zemeckis <i>Aleksandras Stulginskis University (Lithuania)</i>
9.30-9.45	Rural-urban partnership in EU regional policy – evidence from Poland Joanna Rakowska <i>Warsaw University of Life Sciences – SGG (Poland)</i>
9.45-10.00	Spatial patterns on the labour market on rural areas in Poland Nina Drejerska <i>Warsaw University of Life Sciences (Poland)</i>
10.00-10.15	Administration of agriculture and rural development in Lithuania: elements and objectives Agnė Prakapienė, Jan Žukovskis <i>Aleksandras Stulginskis University (Lithuania)</i>
10.15-10.30	Long-term drivers of wheat and maize prices Vilija Aleknevičienė, Asta Bendoraitytė <i>Aleksandras Stulginskis University (Lithuania)</i>
10.30-10.45	Challenges and incentives for corporate social responsibility in the provision of public goods: an agrarian discourse Rita Vilké, Lina Pareigienė, Aldona Stalgienė <i>Lithuanian Institute of Agrarian Economics (Lithuania)</i>
10.45-11.00	Discussions

**Section 4B, Friday 20th November, 2015, room No. 604 (3rd building,
Universiteto str. 10, Akademija)**

Chairpersons assoc. prof. dr. Aneta Jarosz-Angowska, MS Anastasija Novikova

Multifunctional and Value-Added Agriculture	
9.00-9.15	<p>Comparison of computerisation and innovation activity of the companies in rural and urban areas</p> <p>Marek Angowski, Aneta Jarosz-Angowska, Marcin Lipowski <i>University of Life Science in Lublin (Poland), University of Maria Curie-Sklodowska in Lublin (Poland)</i></p>
9.15-9.30	<p>Consumers' willingness to pay for agroecosystem services in Lithuania: first results from a choice experiment pilot survey</p> <p>Anastasija Novikova, Lucia Rocchi, Vlada Vitunskienė <i>Aleksandras Stulginskis University (Lithuania), University of Perugia (Italy)</i></p>
9.30-9.45	<p>The role of marketing in the promotion of tourism through traditional product „Mititei” case study</p> <p>Boiță Marius, David Gabriela, Schonberger Danny <i>„Vasile Goldiș” Western University of Arad (Romania)</i></p>
9.45-10.00	<p>Structural dimension of social capital in Poland. Urban versus rural areas</p> <p>Agnieszka Wojewódzka-Wiewiórska <i>Warsaw University of Life Sciences – SGGW (Poland)</i></p>
10.00-10.15	<p>Conceptual outlook to social innovation in EU</p> <p>Asta Raupelienė, Rasa Rukuižienė, Natalia Efimova, Olga Tereshenko <i>Aleksandras Stulginskis University (Lithuania), State University of Belorussia (Belarus)</i></p>
10.15-11.00	Discussions

**Section 4C, Friday 20th November, 2015, room No. 614, 615 (3rd building,
Universiteto str. 10, Akademija)**

Chairpersons MSc., M.Ed, lect. Judita Kasperiūniene, prof. dr. Vilma Atkočiūniene

Social Capital Building in Rural Areas	
9.00-9.15	Receiving through giving: scientific memos of web based learning Judita Kasperiūniene <i>Aleksandras Stulginskis University (Lithuania)</i>
9.15-9.30	Principles of connectivism learning theory in international Studies Sigitas Daukilas, Judita Kasperiūniene <i>Aleksandras Stulginskis University (Lithuania)</i>
9.30-9.45	Socrates and knowledge-based society, or rural trace in the dialogue culture Asta Steikūniene, Edvardas Čiuldė <i>Aleksandras Stulginskis University (Lithuania)</i>
9.45-10.00	Agricultural extension and advisory system in Sudan: a review Igbal Osman Mofereh Salm, Hamid El Bilali, Snezana Jankovic, Aleksandra Despotovic, Vedran Tomic, Sinisa Berjan, Nouredin Driouech <i>Federal Ministry of Agriculture and Irrigation (Sudan), Mediterranean Agronomic Institute of Bari (CIHEAM-IAMB) (Italy), Institute for Science Application in Agriculture (Serbia), University of Montenegro (Montenegro), University of East Sarajevo (Bosnia and Herzegovina)</i>
10.00-10.15	The story of rural business woman Zorair Kirakosian <i>American University of Armenia</i>
10.15 – 10.30	Ecological and economic sustainability of Polish and Lithuanian agricultural holdings specializing in animal production Zofia Koloszko-Chomentowska, Jan Žukovskis, Audrius Gargasas <i>Bialystok University of Technology, Poland Aleksandras Stulginskis University, Lithuania</i>
10.30 -10.45	Lithuanian regions by the type of rural social infrastructure Ilona Kiaušienė, Vilma Atkočiūniene <i>Aleksandras Stulginskis University (Lithuania)</i>
10.45-11.00	Discussions

**Section 4, Friday 20th November, 2015, Lobby auditorium (3rd building,
Universiteto str. 10, Akademija)**

Chairpersons prof. dr. Vilma Atkočiūnienė, MS Asta Bendoraitytė

11.00-13.00	Coffee break and Poster session
Agricultural and Rural Development Policies	
11.30.-11.35	<ul style="list-style-type: none"> Growth scenarios of organic acreage in Romania until 2025 <p align="center">Adrian Banes, Paun Ion Otiman, Manuela-Dora Orboi <i>Romanian Academy - Timisoara Branch (Romania)</i></p>
11.35-11.40	<ul style="list-style-type: none"> Use of Rural Development Program funds in selected Central European countries <p align="center">Maciej Stawicki <i>Warsaw University of Life Sciences (Poland)</i></p>
11.40-11.45	<ul style="list-style-type: none"> Changes in land use in Poland – comparative study of period 2002–2010 <p align="center">Krystyna Kurowska, Roman Rudnicki <i>University of Warmia and Mazury in Olsztyn (Poland), Nicolaus Copernicus University in Toruń (Poland)</i></p>
11.45-11.50	<ul style="list-style-type: none"> Assessment of the strategy of the local action group in the context of territorial Growth <p align="center">Iveta Mietule, Anda Zvaigzne <i>Rezeknes Augstskola (Latvia)</i></p>
Multifunctional and Value-Added Agriculture	
11.50-11.55	<ul style="list-style-type: none"> Agricultural total factor productivity changes in the new and the old European Union members <p align="center">Tomasz Kijek, Anna Nowak, Armand Kasztelan, Artur Krukowski <i>University of Life Sciences (Poland)</i></p>
11.55-12.00	<ul style="list-style-type: none"> Evaluation of export development opportunities from Turkey to Lithuania <p align="center">Agnė Jotautaitė, Egle Jotautienė <i>Kaunas University of Technology (Lithuania), Aleksandras Stulginskis University (Lithuania)</i></p>
12.00-12.05	<ul style="list-style-type: none"> Aspects regarding land resources and performances from Romanian agriculture <p align="center">Claudia Sîrbulescu, Teodor Cristea, Tabita Hurmuzache, Ioan Brad, Elena Tonea <i>Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" (Romania)</i></p>
12.05-12.10	<ul style="list-style-type: none"> The Agricultural Advisory Services and AKIS systems in Estonia, Lithuania and Latvia – the comparison study <p align="center">Krystyna Vinogradnik <i>State Higher Vocational School in Tarnow (SHVS) (Estonia)</i></p>

12.10-12.15	<ul style="list-style-type: none"> • Domestic tourism tendencies in Lithuania <p>Daiva Rimkuvienė, Eligijus Laurinavicius <i>Aleksandras Stulginskis University (Lithuania)</i></p>
Social Capital Building in Rural Areas	
12.15-12.20	<ul style="list-style-type: none"> • Mental health and occupational identity of 1st year agronomy students in Lithuania <p>Dovilė Jonušienė, Kristina Kovalčikienė <i>Aleksandras Stulginskis University (Lithuania)</i></p>
12.20-12.25	<ul style="list-style-type: none"> • Extrinsic regulation vs. intrinsic motivation as predictors of professional choice satisfaction in agriculture study programs <p>Kristina Kovalcikiene <i>Aleksandras Stulginskis University (Lithuania)</i></p>
12.25-12.30	<ul style="list-style-type: none"> • The creation of social capital in rural areas in the Lubelskie Region <p>Aneta Jarosz-Angowska, Marek Angowski, Tomasz Kijek <i>University of Life Science (Poland)</i></p>
12.30-12.35	<ul style="list-style-type: none"> • Effects of lifelong education and related factors on the competitiveness of countries <p>Aija Sannikova, Aina Dobeļe, Madara Dobeļe <i>Latvia University of Agriculture (Latvia)</i></p>
12.35-12.40	<ul style="list-style-type: none"> • Management of community projects' effectiveness <p>Vytautas Pilipavicius, Rūta Adamonienė <i>Mykolas Romeris University (Lithuania), Aleksandras Stulginskis University (Lithuania)</i></p>
12.40-13.00	Discussions

Programme of the Political Forum on the EU Policy for Rural Development

14.00–15.00 1 **PANEL SESSION. Opportunities for farm competitiveness under the EU Common Agricultural Policy in the period of 2014-2020**

Indicative questions for open discussion:

- What are the main challenges related to agricultural modernization?
- How can the EU CAP contribute through its two pillars to farm competitiveness?
- Competitiveness, sustainability, productivity of the EU agriculture. Are all these targets well translated in the support measures package?
- Integrating everything – where are the managing limits to include all topics and concerns of vertical and horizontal integration?

Presentation on the EU Financial support instruments as an important tool to strengthen and faster Rural Development

Dr. **Rimantas Dapkus**, *Aleksandras Stulginskis University (Lithuania)*

Moderator: dr. **Lubos Smutka**, *Czech University of Life Sciences Prague (Czech Republic)*

Debaters:

Saulius Cironka, *Ministry of Agriculture of the Republic of Lithuania (Lithuania)*

Prof. dr. **Irina Pilvere**, *Latvia University of Agriculture (Latvia)*

Dr. **Karlheinz Knickel**, *Wolfgang Goethe University of Frankfurt (Germany)*

Prof dr. **Vilma Atkočiūnienė**, *Aleksandras Stulginskis University (Lithuania)*

15.00–16.00 2 **PANEL SESSION. European Innovation Partnership: New Opportunities for Farmers, Advisory Services and Agricultural Science**

Indicative questions for open discussion:

- How can EIP be actually set up in national and regional contexts, and what can rural and regional actors do in this regard?
- How regional / transnational cooperation could accelerate the innovation dissemination process in the EU countries? Possible benefits and bottlenecks?
- What is the role of the European Innovation Partnership on Agricultural Productivity & Sustainability?

Presentation on the European Innovation Partnership: opportunities to promote innovations in agriculture

Mr. Koen Desimpelaere, *Farm Practices Officer - EIP-AGRI Service Point "Agricultural Productivity and Sustainability"*

Moderator: dr. **Eglė Stonkutė**, *Baltic Institute for Research and Development (Lithuania)*

Debaters:

Alexia Rouby, *Research programme officer DG Agriculture and Rural Development (Belgium)*

Vilma Daugalienė, *Ministry of Agriculture of the Republic of Lithuania (Lithuania)*

Prof. dr. Antanas Maziliauskas, *Aleksandras Stulginskis University (Lithuania)*

Dr. **Edvardas Makelis**, *Lithuanian Agricultural Advisory Service (Lithuania)*

Best Practices Benchmarking: Towards the Transfer of Knowledge, Innovations and Social Progress

9.30-10.00 Registration of Participants

(Conference Hall, IV building, Universiteto str. 8a, Akademija)

10.00-10.30 Official opening ceremony of Communication and Technology Transfer Centre

*Prime Minister of the Republic of Lithuania – Algirdas Butkevičius
Minister of the Economy of the Republic of Lithuania – Evaldas Gustas
Mayor of Kaunas District Municipality – Valerijus Makūnas
Rector of Aleksandras Stulginskis University – Antanas Maziliauskas
Director of JSC „Struktūra“ – Zigmas Bronius Neverauskas*

10.30-10.50 Inspired by innovation. Knowledge transfer in a modern life of research and teaching institutions

Speaker – dr. Jelena Angelis
Technopolis Group (Estonia)

11.50-11.10 Open access R&D infrastructure within Valley “Nemunas” – strengthening cooperation between business and science

Speaker – dr. Laima Taparauskienė
Aleksandras Stulginskis University (Lithuania)

11.15-12.15 Discussion – Press conference

*Vice-Minister of Economy of the Republic of Lithuania – Marius Skorupskas
Vice-Minister of Education and Science of the Republic of Lithuania – Svetlana Kauzonienė
Vice-Minister of Agriculture of the Republic of Lithuania – Vilius Martuzevičius
Vice-Mayor of Kaunas District Municipality – Jonas Gurskas
President of Lithuanian Confederation of Industrialists – Robertas Dargis
Director of Lithuanian Agricultural Advisory Service – Edvardas Makelis
Director of Lithuanian Research Centre for Agriculture and Forestry –
Zenonas Dabkevičius
Chair of Camber of Agriculture of the Republic of Lithuania – Andriejus Stančikas
Rector of Kaunas University of Technology – Petras Baršauskas
Cancellor of Veterinary Academy of Lithuanian University of Health Sciences –
Henrikas Žilinskas*

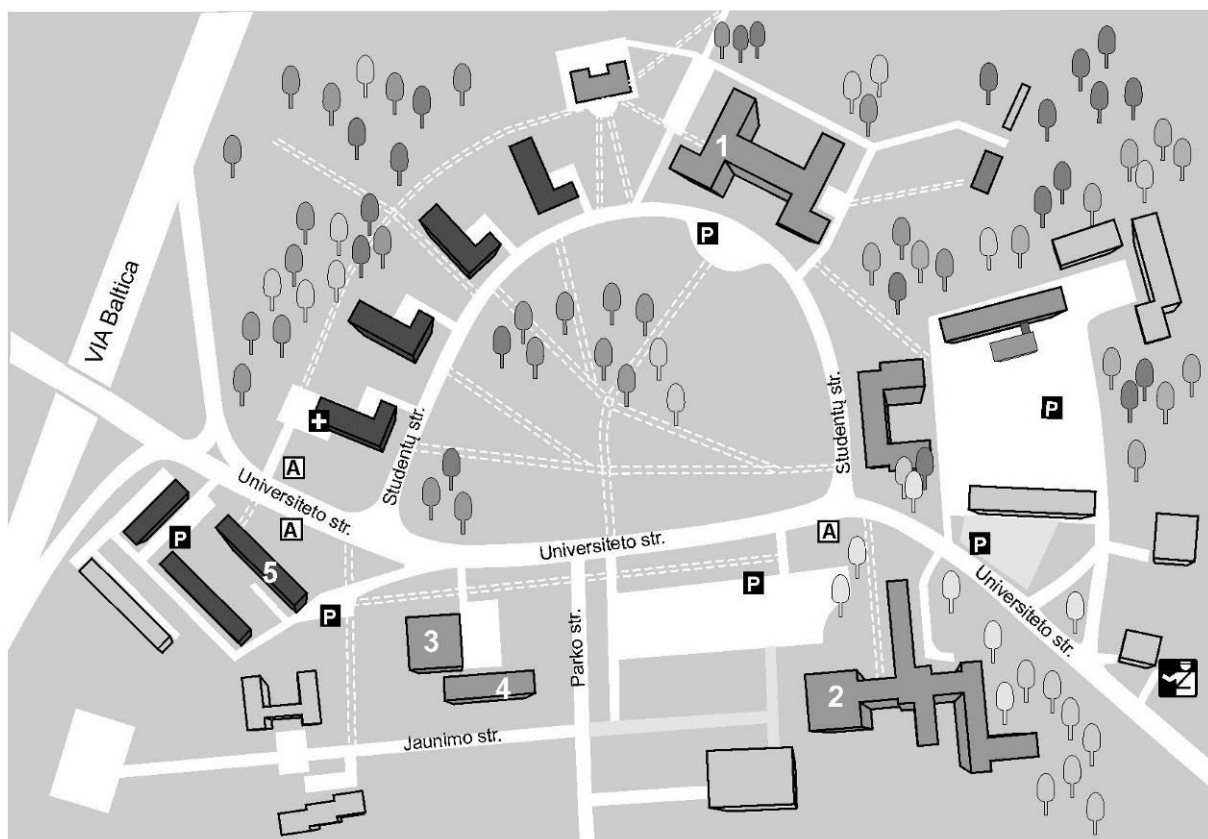
12.15-13.00 Visit to Communication and Technology Transfer Centre

13.00-14.00 Lunch

14.00 B2B: Individual presentations of cooperation opportunities

Discussion hall of Communication and Technology Transfer Centre

Plan of Aleksandras Stulginskis University



1. Central building, Studentų str. 11, Akademija

Registration and Plenary Session,

2. 3rd building, Universiteto str. 10, Akademija

Presentations and discussions in sections

Section 1. Biosystems Engineering and Environment Room No. 607, Lobby auditorium;

Section 2. Agro-innovations and Food Technologies Room No. 618, Lobby auditorium;

Section 3. Multifunctional Approach for Sustainable Use of Natural Resources Room No. 601, 620, Lobby auditorium;

Section 4. Social Innovations for Rural Development Room No. 602, 604, 615, Lobby auditorium.

Final Plenary Session Room No. 604

Political Forum on the EU Policy for Rural Development Room No. 604

3. 4th building, Universiteto str. 8a, Akademija, Conference Hall

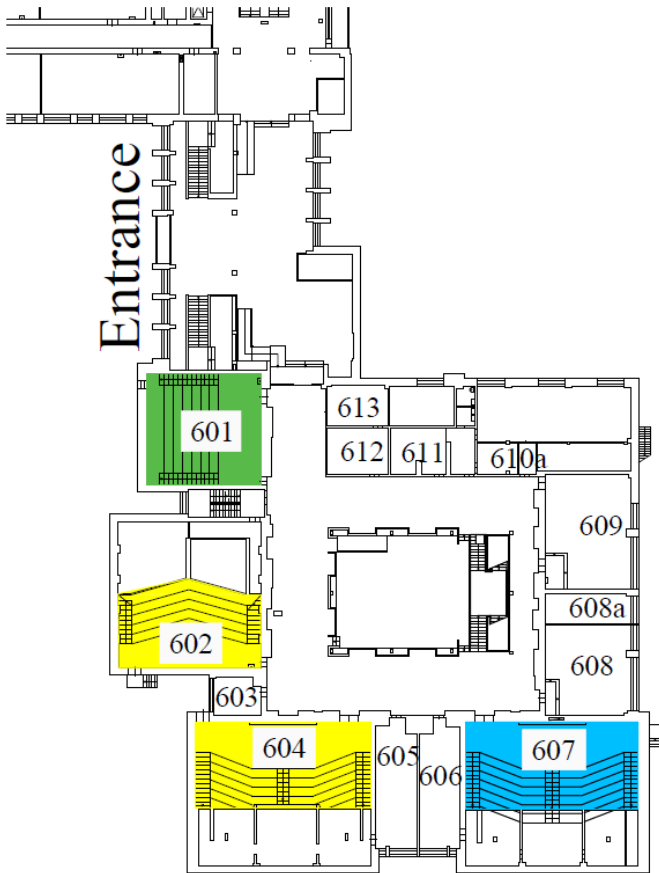
Official opening ceremony of Communication and Technology Transfer Centre

4. 4th building, Universiteto str. 8a, Akademija

5. University's Guest House

Plan of lobby auditorium

(3rd building, Universiteto str. 10, Akademija)



I FLOOR

Section 1.	Biosystems Engineering and Environment	607
Section 2.	Agro-innovations and Food Technologies	618
Section 3.	Multifunctional Approach for Sustainable Use of Natural Resources	601, 620
Section 4.	Social Innovations for Rural Development	602, 604, 615
Political Forum on the EU Policy for Rural Development		604



II FLOOR

Section 1.	Biosystems Engineering and Environment	607
Section 2.	Agro-innovations and Food Technologies	618
Section 3.	Multifunctional Approach for Sustainable Use of Natural Resources	601, 620
Section 4.	Social Innovations for Rural Development	602, 604, 615
Political Forum on the EU Policy for Rural Development		604

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