The seventh international scientific conference
Rural Development 2015

POLITICAL FORUM ON THE EU POLICY FOR RURAL DEVELOPMENT

19-20 November, 2015
Akademija, Kaunas district, Lithuania
Scientific committee:
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Vice-chairperson – assoc. prof. dr. Laima Taparauskienė – Vice-Rector of the Aleksandras Stulginskis University

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Prof. dr. Kaspars Vartukapteinis (Latvia University of Agriculture, Latvia)
Prof. dr. Leslie A. Weston (Charles Sturt University, Australia)

Organisers:
Chairperson of organizing committee – prof. dr. Asta Raupelienė
Administrator of conference – dr. Judita Černiauskiene
INTRODUCTION

Political forum on the **EU Policy for Rural Development** is an international event designed to bring together key stakeholders involved in agricultural and food systems, natural resources and rural development research for discussion on the most important issues impacting our efforts to address the Challenges of Tomorrow. The importance of collaborating internationally relies upon the communication and sharing of research results, plans, resources and lessons learned by all international stakeholders.

Rural development originates from combining innovatively a wide range of different and often, refigured resources, which consequently flow into a set of new activities, interactions, transactions and networks. Only through a successful mix of technological, social, organizational and institutional elements, and emerges through stakeholder interaction and learning Innovation occurs.

Social innovation - the process by means of which social and economic needs are met with new ideas and new products, services or business and organizational models are created; they are successfully introduced into existing markets or are capable of creating new markets. Innovation is a key factor, as in most developed countries it has long been the main engine for the economic growth, enabling achievement of high business efficiency and profitability, and rapidly improving quality of life.

Sustainable growth means building a resource efficient, sustainable and competitive economy, exploiting leadership in the race to develop new processes and technologies, including green technologies and bio-based economics, using the EU-scale and foreign networks. Such an approach will help to prosper in a low-carbon, resource constrained world while preventing environmental degradation, biodiversity loss and unsustainable use of resources. It will also underpin economic, social and territorial cohesion.
It is a great pleasure for us to welcome at our Political Forum the scientists from our neighboring countries and those coming from Belgium, the Czech Republic, Estonia, Germany, Hungary, Ireland, Italy, Japan, Kazakhstan, Latvia, the Netherlands, Poland, Romania, Russia, Spain, Turkey, the Ukraine, the United Kingdom and other countries.

The political forum on the EU Policy for Rural Development will 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.

The organisers of the Political Forum hope that the scientific ideas are meaningful not only for the researchers in the fields of agriculture and rural development, but also for the students, politicians and decision makers in the EU, national, regional, local organizations of agriculture and rural development. These ideas will promote constructive debate and search for new solutions for 2014 -2020 Rural Development Programmer development and will encourage further cooperation in and sustainability of rural areas development.

Rector of the Aleksandras Stulginskis University
prof. dr. Antanas Maziliauskas
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PROGRAMME OF THE CONFERENCE

Thursday 19th November, 2015

9.00-10.00 Registration of participants
10.00-13.00 Plenarry session
10.00-10.20 Welcome speech
   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)
   11.40–12.00 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
14.00–16.00 Presentations and discussions in sections:
   Section 1. Biosystems Engineering and Environment
   Section 2. Agro-innovations and Food Technologies
   Section 3. Multifunctional Approach for Sustainable Use of Natural Resources
   Section 4. Social Innovations for Rural Development
16.00–18.00 Political Forum on the EU Policy for Rural Development
19.00–22.00 Gala Dinner

Friday 20th November, 2015

9.00-13.00 Presentations and discussions in sections
  Section 1. Biosystems Engineering and Environment
  Section 3. Multifunctional Approach for Sustainable Use of Natural Resources
  Section 4. Social Innovations for Rural Development

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

13.00–14.00 Lunch

14.00-15.30 Final plenary session
  Section 1. Biosystems Engineering and Environment;
  Assoc. prof. dr. Rytis Skominas, Aleksandras Stulginskis University (Lithuania)

  Section 2. Agro-innovations and Food Technologies;
  dr. Zita Kriauciunienė, 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)
PROGRAMME OF THE POLITICAL FORUM

16.00–17.00  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)
17.00–18.00  **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)
Alexia Rouby

*European Commission, DG Agriculture and Rural Development, Unit H5 – Research and innovation*

Alexia Rouby is responsible for communication and stakeholder engagement on Horizon 2020's activities dedicated to agriculture and rural research and innovation. She also works on programming of Horizon 2020 activities on rural economy. Before joining the European Commission in spring 2014, she coordinated for six years a European-wide network closely involved in rural development, developed and managed European research and interregional cooperation projects, participated in the European Network for Rural Development and in the early discussions on the creation of the European Innovation Partnership for agriculture productivity and sustainability. She also worked on animal traceability and feedstuffs. She has a background in agronomy and in economics of agricultural, rural and agro-food development.
Prof. dr. Fujii Yoshiharu

*Tokyo University of Agriculture and Technology, Division of International Environmental Agriculture*

*Laboratory of International Agro-Biological Resources and Allelopathy*

**Education and Research Outline**

1) Research: Laboratory of International Agro-Biological Resources and Allelopathy. 2) Education: Plant Ecology, International Agro-Biological Resources for Sustainable Agricultural Production, Weed Science for Plant Protection. Research theme: Allelopathy, Screening of allelopathy and identification of allelochemicals in action, utilization of allelopathy for agriculture

My research activities are summarized as follows: 1) Developed three bioassays for allelopathy that have been used by other scientists. These are the Plant Box method for root exudate, the Sandwich method for leaf leachates, and the Dishpack method for volatile chemicals. Using these methods, I have evaluated about 4,000 plant species for their allelopathy activity and found many allelopathically active plants, such as Velvet bean (*Mucuna pruriens*), hariy vetch (*Vicia villosa*) and Thunberg spirea (*Yuniyanagi*) (*Spiraea thunbergii*). 2) By means of bioassay-guided isolation of many allelochemicals from plants, discovering many important allelochemicals such as L-DOPA from Velvet bean. We have found cyanamide from hairy vetch (*Journal of Chemical Ecology, 29, 275-284, 2003*). This was remarkable, since this chemical was one of the first synthetic nitrogen fertilizer and herbicides. Cis-cinnamic acid and its derivatives were also isolated from Thunberg spirea.
3) Developed the concept of total allelopathic activity (Weed Science, 58, 258-264, 2010), which provides a realistic assessment of whether a natural phytotoxin might actually play a role in allelopathy. 4) Our group was one of the first to use transcriptome analysis to probe the mode of action of allelochemicals. Our work on mode of action of allelochemicals has resulted in significant new findings such as the discovery that cis-cinnamic acid affects plant gravitropism. We have just started a new National Project to understand the role of gravitropism in the modes of action of allelochemicals. 5) Our work has had practical benefits. For example, because of our studies and recommendations, hairy vetch is now the No. 2 cover crop in Japan. My education in TUAT are: 1) Plant Ecology, 2) Weed Science in relation to Plant Protection, 3) Introduction of new crops or re-evaluation of traditional crops. 4) Allelopathy and Chemical Ecology (This is my major topics to teach).
Teaching at Corvinus University of Budapest (and at its predecessors) since 1970.

Research: agricultural economics and agricultural policy related fields.

Member of board of directors at different companies during transition period after radical reforms.


**Main activities and responsibilities:**


1991-1997: Director for International Affairs, BUES

1997-2000: Vice-Rector for International and Administrative Affairs, BUESPA
Member of Hungarian National Scholarship Board (5 terms: 1992-2010), Chairman of the Board (2008-2010)

2010-2012: Campus Director, Corvinus University of Budapest

2008-2014: Secretary of the Agricultural Economics Subcommittee of the Hungarian Academy of Science.

Social skills and competences:

Member of Visiting Committee for Accreditation of Debrecen University (2006) responsible for economics and business administration fields.

Evaluating curriculum development at Hungarian HEIs.

Expert of National Evaluation Board of Institutional Development Plans for Hungarian HEIs.

Managing national and international associations as president (European Association of Agricultural Economists (1999-2002), Hungarian Scholarship Board (2008-2010), or secretary general (Hungarian Association of Agricultural Economics) over one and a half decade.

Member of an international panel accrediting 5 Business study programmes at 4 HEIs in Lithuania, March, 2013, 7 Marketing study programmes at 4 HEIs in Lithuania, October, 2013 and 6 agricultural study programmes at 2 HEIs in Lithuania, May 2014.

Thomas Hoffmann is working in the Leibniz-Institute for Agricultural Engineering Potsdam-Bornim. His main research topics are the investigation and improvement of different forage and energy plant growing and harvesting technologies and technique.

Research works of Post-harvest Technology Department. After the harvest the quality of agricultural products must be secured. Losses must be minimised and an increase in value is to be achieved by optimised treatment processes. The added value for rural areas is to be improved in this way. Process optimisation is carried out increasingly with the aid of mathematical modelling methods, e.g. numerical solution methods, neural networks such as have been develop at the ATB for the post-harvest sector. The globalisation of information flows (Internet) and progress in the technology of gaining and processing information open up possibilities for agricultural research and agricultural engineering to collect, process, manage and distribute data and information locally and globally. The Department is currently working on appropriate software systems.

As regards provision and use of energy in rural areas, the Department is also pursuing the goal of farm units with their own energy systems on the basis of alternative sources of energy and renewable raw materials.
Areas of research: Process engineering investigations for preservation and processing of feed, for instance grain and silage; Harvest and processing of natural fibers of plants; Harvest, storage and processing of wood from short rotation copies.

Research programs: Quality and safety of food and feed; Material and energetic use of biomass; Technology assessment in agriculture.
Dr. Karlheinz Knickel
Institute for Rural Development
Research Johann Wolfgang Goethe
University Frankfurt (Main)

Dr. Karlheinz Knickel is an Independent Analyst and Consultant, and a Research Associate of Institute for Rural Development Research at Johann Wolfgang Goethe-University Frankfurt/Main, Germany, as well as of University of Évora, Portugal.

Karlheinz Knickel has an agricultural, environmental and economics background and more than twenty-five years of experience in the area of sustainable development of agriculture and rural areas with the related policy frameworks. His experience comprises applied research, policy analysis and evaluation for the Food and Agriculture Organization (FAO), the European Commission and government agencies. The projects he is involved in tend to be multidisciplinary, international, comparative and policy-oriented. From 2008 to 2011, he was Senior Economist in the New Zealand Ministry for the Environment.

Karlheinz has a particular interest in the establishment of effective research-policy-practice linkages in his work and the translation of scientific concepts into practical solutions. He coordinated the EU funded INSIGHT project on innovation processes in agriculture and rural areas, is a co-author of the European Parliament study 'Sustainable competitiveness and innovation in EU agriculture' and currently is the scientific coordinator of the ERA-Net project 'RETHINK - Rethinking the links between farm modernization, rural development and resilience in a world of increasing demands and finite resources'.
Darius Danusevicius is a professor in forest genetics in the Faculty of Forest Sciences and Ecology. He holds the PhD degree in Forestry from Swedish University of Agricultural sciences (1999). Since then Darius is active in research and education with numerous national and international projects (FP7, Horizon 2020 and etc.). Darius is a true member of the National Academy of Sciences, head of the Forest Science section (since 2013); head of the PhD committee on forest science (since 2011). In 2009, he was granted main scientific award in Lithuania – the National Science Grant from the National Academy of Science.

Research of our group is focused on ecological and evolutionary genetics of forest trees and game. We use a multidisciplinary approach in genetics combining our experience of traditional methods (field and indoor chamber tests providing the genetic variation as the initial material) with molecular and plant physiology tools, especially considering the genetic variation in micro-traits including reproduction. We aim at a wide range of ecology oriented problems in forestry and the related areas. In particular, we focus on genetic response of tree species to climatic change: evolutionary origin and genetic structure of forest trees species, spatial genetic structure and effects of forest management on genetic diversity of forest trees, parentage tracking and associations between genetic diversity and fitness at the stand level, stress tolerance such as winter dormancy in pine, spruce, oak, birch and black alder, finally population structure and genetic diversity of roe deer.
Speakers of the Political Forum on the EU Policy for Rural Development

Prof. dr. Antanas Maziliauskas
Rector of the Aleksandras Stulginskis University

Has a doctor's degree in hydraulic engineering. He is currently (since 2011) Rector of the Aleksandras Stulginskis University (former Lithuanian University of Agriculture). He has served (1997-2001) as Director of Agriculture and Food Department, Ministry of Agriculture of the Republic of Lithuania. He has experience as a team member for external global review of the FAO Special Programme for Food Security (2001-2002) visiting case study countries in Latin America and Caribbean (Bolivia, Ecuador, Haiti) and West Africa (Niger, Senegal, Mauritania). Participated in consultancy and project evaluation missions for the World Bank and FAO in Nigeria, Ivory Cost, Kazakhstan, Uganda, Mali and Yemen. During last decades has extensively participated in the EU enlargement process, taking part in the multilateral and bilateral working meetings with the EU Commission, including preparation of documents for the use of EU Structural funds. He has been co-founder and CEO of the consulting company “Projektu gama” (2004-2010). His main professional themes are land and water resources management, irrigation and drainage and policy development in the agriculture and food sectors.
Koen Desimpelaere started in April 2013 as the team leader of the Service Point for the implementation of the European innovation partnership ‘Agricultural productivity and sustainability’ (EIP-AGRI Service Point). From July 2014 he is working non-permanent for the EIP-AGRI Service Point as Farm Practice Officer.

He works since 1997 for the Flemish Land Agency. During this period he was involved in water protection in agriculture. From 2003 he was head of the Unit Manure Policy within the Manure Bank department. In this unit he was responsible for the policy support in relation to the nitrates directive and the NEC-directive, for the tendering of scientific research in relation to sustainable fertilization and improved water quality and for creating reports in the framework of European and Flemish legislation. In this function he also led a team of 30 farm advisors.

In the nineties he was a representative for a mixed feed producer. He was responsible for the sale of mixed feed and for the support of farms in relation to the nutrition of the livestock and the management on pig and cattle farms.

Koen Desimpelaere studied Agricultural Science at the University of Ghent (Belgium).
Gintas Saulius Cironka

Vice Minister of Agriculture of the Republic of Lithuania

Education
1993 – University degree in Mechanical Engineering from Lithuanian Academy of Agriculture
2007 – BA in psychology from Vilnius University
2009 – MA in psychology from Vilnius University

Career
1994–1998 Different positions with Lithuanian Agricultural Advisory Service
1998–2003 Director, Lithuanian Agricultural Advisory Service
2001–2002 Chairman, Council of the Lithuanian Farmers’ Union
2003–2007 Managing Director, Linas Agro Konsultacijos, UAB
2007–2009 After Sale Service Director for Lithuania, Dojus Agro, UAB
2009–2014 Deputy Director, Lithuanian Agricultural Advisory Service
Since 20 August 2014 Vice Minister of Agriculture of the Republic of Lithuania
Vilma Daugaliénė

Director of the Rural Development Department
Ministry of Agriculture of the Republic of Lithuania

Since 2014 August until now Vilma Daugaliénė is the Director of the Rural Development Department in Ministry of Agriculture of the Republic of Lithuania.

Develop and Implement Policy of the Rural Development and National Heritage, Including Agricultural Training and Counseling, Preparing Related Legislation, Documents for Rural Development and National Heritage Strategy and Implement them, as well is Representing Department in other Institutions.

Activity: State Policy in the Agriculture, Food, Fishery and Rural Development.

Great Experience in Managing National and International Projects, Organization of Different Business Events and Seminars. She is a member of the International Organizations (FAO, FIG UNECE WPLA, AEIAR).
Prof. dr. Irina Pilvere  
*Rector of the Latvia University of Agriculture*

Doctor of Economics (2001) and currently is working as Rector and Professor in Latvia University of Agriculture.

She has 168 scientific publications, including 28 books and brochures or chapters in them, 2 scientific monographs, 97 papers in internationally reviewed editions, 41 paper in periodicals and others.

She has experience in 14 international and 40 national research projects, with scientific focus on following subjects: Agricultural and Rural Development, EU Common Agricultural Policy and its Support Instruments, Agrarian Economy, Food Processing Development, Finances, Investments, Challenges and Trends in Public Administration etc.

She is Corresponding Member of Latvian Academy of Science, True Member and Vice President of the Latvian Academy of Agriculture and Forestry Science, Member of Republic of Latvia Ministry of Agriculture Consultative Board, Manager of the Latvia Bioeconomy Strategic Research Alliances.

She is a Member of European Union RuralNetworks' Assembly and Nordic Association of Agricultural scientists (NJF), Member of the Editorial Board of various international scientific journals and conferences.

She is currently leading work of 5 PhD students. She has led to successful defending 9 Doctoral Thesis.
Main activities and responsibilities: pedagogical, scientific and consultancy work. Responsibilities for the study programme “Administration of Rural Development” and “Culture and Tourism Management”, international study programme, participation in PhD study committees of Economics and Management. Scientific research in the field of rural development management, rural regional development, development of rural social infrastructure, local marketing, social partnership. Researcher in the international scientific project “Rethinking the links between farm modernization, rural development and resilience in a world of increasing demands and finite resources (RETHINK, 7th Framework Programme, 2013–2016). She is an expert in Rural Development management LEADER method. Her previous tasks was scientific projects one of the most recent projects “The Development of Rural Social Infrastructure for Attainment of Territorial and Social Cohesion, 2013–2014”, “Sustainable and Balanced development of Workplaces in Rural Regions of Lithuania, 2010–2011”, international project „New Sources of Employment to Promote the Wealth-Generating Capacity of Rural Communities“ (Rural Jobs) (7th Framework Programme, 2008-2010).
Dr. Edvardas Makelis
The Director of the Lithuanian Agricultural Advisory Service

He received his PhD in Biomedicine Sciences in 1993. In 1998-2001 he was the Minister of Agriculture of the Republic of Lithuania. E. Makelis was one of the initiators of establishing PI Lithuanian Agricultural Advisory Service, PI Baltic Institute of Agribusiness, the National Paying Agency and the State Food and Veterinary Service. At present he is a member of the Council of Agriculture Science; the Chairman of the Club of the Ministers of Agriculture since 2014; a Board Member of the Forest Owners Association of Lithuania (FOAL); the Chairman of ASU Council; the Vicechairman of the Lithuanian Union of Agronomists. In 2014 he was awarded the name of the Honourable Agronomist. Participant of international symposiums on agricultural policy and business: USA (1999, 2006, 2010, 2014), Switzerland (1999, 2015), Portugal (2000), Bulgaria (2000), Holland (2001, 2011), Denmark (2014), Poland (2004, 2010-2015), Hungary (2005), Finland (2011, 2014), Ireland (2014).
Assoc. Prof. Dr. Eglė Stonkutė is an expert in agricultural economics and policy. These expert competencies were developed through its involvement into research and consulting activities of Lithuanian Institute of Agricultural Economics (Vilnius, Lithuania; head of Agri-policy Division; 2003-2008), working with OECD (Paris, France; national expert; 2006-2008), leading research and consulting activities of European Regional Policy Institute (Vilnius, Lithuania; director; 2008-2009), advising the Prime Minister of the Republic of Lithuania (Vilnius, Lithuania; Advisor to the Prime Minister; 2011-2012), founding the research and consulting institute – Baltic Institute for Research and Development and leading its activities (Vilnius, Lithuania; director; 2013-till now). Together with researching and consulting activities she is teaching at Vytautas Magnus University (Kaunas, Lithuania; Assoc. Prof.; 2003-till now) and is visiting associate professor at University of South-Brittany (Vannes, France; Assoc. Prof.; 2013- till now) ECS Rennes School of Business (Rennes, France; Assoc. Prof.; 2011-till now), and is consultant of MBA studies at Baltic Management Institute (Vilnius, Lithuania; Assoc. Prof.; 2010-till now).
Currently working as an Associate professor of economics at department of Economics (Faculty of economics, Czech University of Life Sciences in Prague). His area of specialization includes: international economics, foreign trade, agrarian policy, economic policies, business economics, world trade in agrarian and foodstuff products/commodities and world agricultural economy. The majority of his research activities are focussed especially on agrarian market and especially agricultural trade transformation in Visegrad countries region. Lubos Smutka is an author of more than 250 papers (world trade, European foreign trade, Czech foreign trade, world agricultural production and consumption, agricultural trade etc.).
Dr. Rimantas Dapkus

President of the Lithuanian Regional Research Institute, Assoc. Prof. at the Aleksandras Stulginskis University and Kaunas University of Technology (Lithuania)

Rimantas Dapkus in 1982 has graduated Kaunas Polytechnic Institute (at present Kaunas University of Technology) and become diploma engineer in computing sciences. In 1995 he obtained a degree of doctor of the technical sciences and in 2009 become an assoc. professor of the social sciences at Kaunas University of Technology (Kaunas, Lithuania). He has started his scientific carrier at Kaunas Polytechnic Institute faculty of Computer Science since 1980, later continuing his researcher’s and teacher’s work in Electro-technical and Mechanical faculties, focusing on the Nanotechnologies and Mechatronics. Since 2000 until now R. Dapkus continues his researcher’s and teacher’s work in Economics and Management at Kaunas University of Technology and Aleksandras Stulginskis University, focusing on the innovations, regional development and strategy planning, as well as EU financial support planning and project implementation. Since 2003 he has started his carrier at the Lithuanian Regional Research Institute and at present he is the President of this Institute. He has published over 50 papers in peer reviewed journals and conference proceedings Worldwide, as well 8 books for the students.

Asoc. Prof. Dr. Rimantas Dapkus research interests are regional politics, sustainable economy grow, strategy planning, public administration, rural and cities planning, marketing, finances, innovations, project management, human resources,
e-democracy, as well as industry development and automation, nanotechnologies and mechatronics. He also provides consultation for National and Regional authorities in the field of sustainable development and strategy planning, national and international programs development and projects implementation, consultation of private companies on business development issues. For his outstanding activities has been granted with Diplomas of the Lithuanian Supreme Council and American Institute of Bibliography.
Alexia Rouby. Presentation „Rural Renaissance: Grasping Opportunities to boost rural jobs and growth“
Horizon 2020 work programme 2016-2017: Proposing solutions to global challenges

• Feed 9 billion people by 2050 by improving farming and food systems’ capacity to sustainably supply sufficient and healthy food

• Unlock the potential of seas and oceans which cover 70% of the Earth’s surface and host 50% of known species

• Raise the sustainable growth potential of rural areas and their ability to cope with demographic, climatic and economic change

• Boost bio-based markets to create for example over 3% growth/year in the bio-based chemistry sector

Horizon 2020 work programme 2016-2017: Four core objectives

• Ensure food and nutrition security by fostering resilient and resource efficient primary production and industry as well as sustainable and healthy consumption

• Demonstrate the innovative potential of the Oceans by bringing technology to market

• Foster innovation and business opportunities for rural and coastal areas through new territorial approaches and business models

• Re-industrialise Europe through new bio-based value-chains, securing sustainable biomass
Four Societal Challenge 2 Calls

Sustainable food security  Blue Growth  Rural Renaissance  Bio-based innovation for sustainable goods and services

HORIZON 2020
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Topic distribution and budget distribution between calls

<table>
<thead>
<tr>
<th>Topics (including other contributions)</th>
<th>Budget (M€) (including other contributions)</th>
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HORIZON 2020
© European Commission
Call
Rural renaissance: Fostering innovation and business opportunities (RUR)

128 M€ to grasp promising opportunities to boost rural growth and jobs

HORIZON 2020
© Pictures: Fotolia.com, Rudinir Jevtic #67241165; Shutterstock #68215427; Celeste Clochard #65506405

Key facts and figures: rural-urban typology

EU territory:
- 50% rural
- 38% intermediate

Rural & intermediate:
- 55% EU jobs
- 46% GVA
Key facts and figures: rural growth potential

- Rural GDP lags at around 70% of EU average
- Aggregate growth or rural regions = 75% of total growth

Key facts and figures: jobs

- Primary sector employment still significant especially in EU-N12
- Close link to secondary sector (up and downstream spill-over effects)
Key facts and figures: territorial linkages

Evidence of positive synergies between rural growth and proximity to urban region (OECD)

Key facts and figures: business development opportunities

- **Opportunities:**
  - Higher demand for "biomass" for food and non-food uses
  - New energy agenda, space for renewable energy
  - Renewed interest from consumers in local/regional products
  - Demand for ecosystem services, possibility for better remuneration
  - International trade of high-value added products
  - Lifestyle migrants
  - Services for new rural inhabitants
Rural renaissance at a glance: what is it about?

- Opportunities for **sustainable rural growth**...
- ... looked at through **integrated approaches**...
- ... cutting **across sectors**...
- ... taking a **territorial perspective**...

- ... with the ambition to:
  - **modernize** policies & governance
  - **foster** new business development
  - **boost** innovation, co-creation and exploitation of knowledge
  - **enhance** social and human capital

---

**Rural renaissance: our territories**

€ **128 million to grasp promising opportunities to boost rural growth and jobs**

---

**Invest in businesses:**
47 M€ for new business models, new value chains and better connectivity

**Invest in people:**
49 M€ to boost innovation, co-creation and exploitation of knowledge by improving skills and innovation systems

**Invest in better decision-making:**
25 M€ to modernize policies and governance to make the most out of our resourceful territories sustainably

**Help us to have it all:**
more and better jobs, better environment, better social cohesion
Rural renaissance: 3 areas

New value chains and business models

New approaches towards Policies and governance

Innovation and skills development

Rural renaissance

4 Topics
(3 RIA, 1 IA)
47 M€

5 Topics,
(4 RIA, 1 IA)
32 M€

7 Topics
3 RIA, 4 CSA
49 M€

16 Topics
10 RIA, 2 IA, 4 CSA

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Budget distribution within the call (M€)

New approaches towards Policies and governance; 32

Innovation and skills development; 49

New value chains and business models; 47

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New approaches towards policies and governance

5 topics – 32 M€

- **Territorial interactions**: enhance synergies, adapt policies, foster cross-sectorial cooperation
  - Rural-urban
  - Land-sea
- **'Towards 2030'**: policies and decision tools for an integrated management of natural resources
- **Economic benefits from ecosystem services**:
  - Farming & drinking water
  - Forest ecosystem services (1A)

New value chains and business models

4 topics – 47 M€

- **Crop diversification systems** for delivery of food, feed, industrial products and ecosystem services
- Resource-efficient and profitable **industrial crops on marginal lands**
- Demonstration of **integrated logistics** for food and non-food applications
- **Business models** for modern rural economies
Innovation and skills development

7 topics – 49 M€

- Thematic networks
- Experimental and demonstration farms:
  - Mapping & linking
  - Thematic networks of demonstration farms
- Building a future science and education system
- Advisors’ role in agriculture knowledge and innovation systems (AKIS)
- Working together in EU countries where cooperation level is low
- Optimising interactive innovation projects and policies for innovation

The Multi-actor approach under WP2016-2017

- Investment X 2,5 → 371,5 Million euros
- 38 topics in 3 calls: SFS, RUR, IoT

Distribution of budget for multi-actor projects

Number of multi-actor topics in WP2016-2017
The multi-actor approach under WP2016-2017: Key elements

- Description now in WP introduction p. 9-10
- Multi-actor projects are about interactive innovation
- Beyond dissemination requirement and stakeholders’ board
- Genuine and sufficient involvement of various actors all along the project, from planning to demonstration
- Demonstrate how project will respond to end-users needs
- Substantial practical knowledge easily accessible and understandable
- Material → EIP-AGRI (for EIP-AGRI related areas)
  - Common format
  - Connect with operational groups

Thematic networks – call 2014
Compiling knowledge ready for practice

AgriSpin
http://agrispin.eu/

WINETWORK
http://www.winetwork.eu/

NetArable
http://www.ok-net-arable.eu/

Hennovation
http://www.hennovation.eu/
Call 2016 deadlines

<table>
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<tr>
<th>Publication</th>
<th>Submission</th>
<th>Deadlines</th>
<th>Information to applicants</th>
<th>Grant Agreements</th>
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<td>17 Feb 2016</td>
<td>May 2016</td>
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<tr>
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<td>Single stage</td>
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Work Programme documents and supporting material

Official published version: only this one prevails!

A guide to find your way through calls 2016 of interest to agriculture and forestry

Participant portal
Reference documents
Societal challenge 2
work programme

EIP-AGRI website
Brochure
Future rural research and innovation activities: How can you contribute?

- **Work programme 2016-2017:**
  - Many consultative activities
  - Specific expert workshop on rural development research

- **Long-term strategic approach to agriculture and rural research and innovation:** "new openings for rural growth" is one of the priorities
  - Milan workshop on 19/06/2015
  - **Conference on the future of agriculture research and innovation,** 26-28 January 2016, Brussels

- **Work Programme 2018-2020:** dialogue starts in January 2016!

- Stay informed by registering on **EIP-AGRI** [www.eip-agri.eu](http://www.eip-agri.eu)

HORIZON 2020
Koen Desimpelaere. Presentation „The European Innovation Partnership: opportunities to promote innovations in agriculture“
EIP-AGRI in a nutshell

- Aim: Fostering a competitive and sustainable agriculture and forestry sector that ‘achieves more from less’

- Approach: Closing the innovation gap between research and practice and forming partnerships by:
  - Using the interactive innovation model
  - Linking actors through the EIP-AGRI Network

Aims of the EIP (regulation 1305/2013)

- **Promoting** a resource efficient, economically viable, productive, competitive, low emission, climate friendly and **resilient agricultural and forestry sector**, working towards agro-ecological production systems and working in **harmony with the essential natural resources** on which farming and forestry depend

- **Help deliver** a **steady and sustainable supply** of food, feed and biomaterials, including existing and new types

- **Improve** processes to **preserve the environment**, adapt to climate change and mitigate it

- **Build bridges between** cutting-edge research knowledge and technology and farmers, forest managers, rural communities, businesses, NGOs and advisory services.
Means to implement the EIP-AGRI

**Horizon 2020** (EU Research Policy)
- Multi-actor research projects involving the agricultural community
- Thematic networks, unlocking and exchanging knowledge across the EU

**Rural Development Programmes**
- Operational Groups
- Project funding
- Innovation support services
What is an Operational Group?

- Concrete innovation projects finding innovative solutions
- Different competencies (practical and scientific)
- “Hands-on” groups
- Benefit from the interactions

Setting up an Operational Group

[Diagram showing Operational Group with various stakeholders: Farmers, Advisers, Researchers, NGOs, Agri-business]
Thematic networks

- Involve a range of actors from science and practice
- Focus on existing best practices and research results that:
  - are close to being put into practice
  - but are not sufficiently known by people in the field

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<thead>
<tr>
<th>Collect</th>
<th>Make if ready for practice</th>
<th>Disseminate</th>
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<tr>
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EIP-AGRI Service Point connects all actors within the network

The goal
EIP-AGRI Service Point connects all actors within the network

EIP-AGRI website
www.eip-agri.eu
www.eip-agri.eu
the one-stop-shop
for agricultural innovation

SHARE WITH US
SEARCH AND FIND
FOCUS ON
DEEPEN YOUR KNOWLEDGE
STAY UP TO DATE
MY EIP-AGRI

EIP-AGRI website is live!

WORK IN PROGRESS
Website – Interactive functions

Share

Why share?

Existing projects & best practices
Project ideas
Relevant events
People
Online resources
Existing or incoming funding opportunities
Research needs

How will sharing benefit you?

Share interesting projects
Share research needs
Register/Login

Search

Search Funding Opportunities
Search Interesting Projects
Search needs for research from practice
Search Project Ideas
Interesting links

Share interesting projects
Share research needs
Register/Login

About • Share • Meeting Point • Events • News • Publications

About • Share • Meeting Point • Events • News • Publications
Search

Why search?

Find partners
For projects

New
Project
ideas

People

Online
resources

Database
of existing
projects

Research
Needs from
practice

How will searching benefit you?

Information online

Information on workshops, Focus Groups and other events organised by DG AGRI
European calendar – upcoming events related to the EIP network

Subscribe to our monthly newsletter
Read past newsletters
Search press articles and press releases

News

Events
Information online - Publications

EIP-AGRI website
What else?

- Multipliers tool-kit
- Discussion forum
- Interface to be translated
- Multimedia
- More powerful search functions

Register on the website and start searching the network today.

www.eip-agri.eu
EIP-AGRI Focus Groups, tackling agricultural challenges

Thank you for your attention!

servicepoint@eip-agri.eu
+32 2 543 73 48
EIP-AGRI Service Point
Avenue de la Toison d’Or 72
1060 Brussel
Belgium

www.eip-agri.eu
Register today!
Notes