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OUTCOMES AND BENEFITS OF SCIENTIFIC RESEARCH ON DEVELOPMENT IN LATVIAN AGRICULTURE

*LAAFS president,
academician **Baiba Rivža***

Diapositive 1

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nezināju, vai šis nosaukums arī bija jāliek vai jāatstāj tas pats latviešu variants?

User; 21/08/2015

Development of agricultural research institutions

- **Organizing of different unions:**
 - Rīga Latvian Society
- **Establishment of Rīga Central Agricultural Society (1906)**
- **Establishment of agricultural education institutions**
 - **1863** - Department of Agriculture at Riga Polytechnic Institute (higher education)
 - Local agricultural courses and schools for local farmers
- **1910- Research and education centre in Priekuli:**

Historical background of the LAAFS

- **Founded on 4 June 1992** by delegates chosen among more than 800 scientists engaged in agriculture and LLU academics
- The first president of the LAAFS – LAS
Dr.h.c., Dr.agr. Voldemārs Strīķis

At present, the LAAFS has **137 members**, including:

- 115 full members
- 22 honorary members

Department of Agricultural and Forestry Sciences at the Latvian Academy of Sciences (LAS):

- Established in 2004
- **28** LAS members, incl.: 9 full, 2 honorary members, 1 foreign member, 16 corresponding members

Activity of the LAAFS⁵

- Holding offsite meetings;



LAAFS offsite seminar „ICE – Statistics and Research”

LAAFS offsite seminar „ICE – an Innovation Support System for Women – Potential Small Entrepreneurs in Rural Areas”



LAAFS offsite seminar „Innovative Entrepreneurship Support as a Modern Challenge in Regional Context”

Activity of the LAAFS darbība

- Evaluating the works submitted by contestants for the competition «Sējējs» (Sower), the category «New Scientist»;



*An awarding ceremony for
the winners of the
competition «Sējējs 2014»*

- Listening to the reports by doctoral students at LAAFS presidium meetings;
- Contributing to the elaboration of doctoral dissertations.

Why it was necessary to support doctoral studies?

1. 57% of all employed scientists in the universities were older than 65 years, we need young one;
2. only 67% of all doctoral students studying with financial support of the state budget;
3. the high cost of doctoral studies fee for students paying from their resources (from 1 360 till 6 000EUR);
4. the doctoral studies state stipend was only 114 EUR per month;
5. it is necessary to provide powerful incentives for scientific studies.



European funds for Latvia in 2014-2020

Together European funds for Latvia in 2014-2020 will be 4,5 **milliards EUR**, for **education, science and sport** – 1 **milliard EUR**, for **science** – 280 **million EUR**.

We will have special **grants for young scientists** – 60 **million EUR**. For this grant young scientists can apply in **5 year period after defense PhD**.

Grant will be for **3 years** – 2 **300 EUR per month**. It will help for sure to develop research after PhD defence and provide the continuity of research.

Young Scientist grants priority will link with **Latvia research priorities** . They are:

- **Bioeconomy;**
- **Energy and environment;**
- **Innovative materials and technologies;**
- **IT**
- **Public health.**

Why Bioeconomy?

One of the greatest global challenges of the 21st century in times of climate change will be to sustain a growing world population with:

- sufficient foodstuffs
- renewable commodities:
 - for industrial use
 - for energy production

Is the Bioeconomy Latvia's competitive advantage?

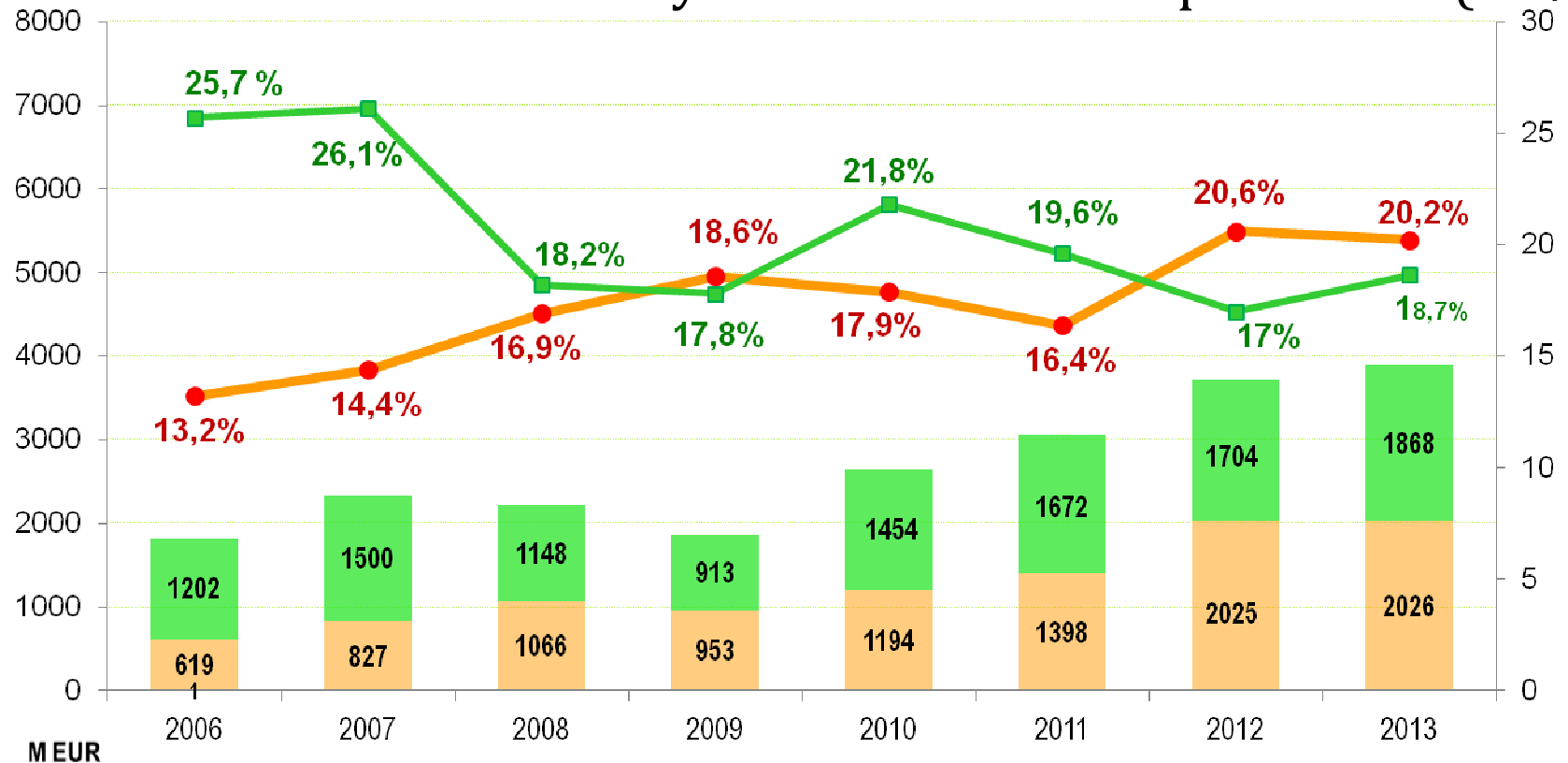
Contribution of Bioeconomy sectors

55%

of the value added of all the goods produced in
Latvia

Is the Bioeconomy Latvia's competitive advantage?

Contribution of Bioeconomy sectors to total export value (39%)



Forestry and Wood products
Agriculture, Fishing and Food products
Agriculture, Fishing and Food products (% of total)
Forestry and Wood products (% of total)

How to unlock the full potential of Latvia's Bioeconomy?

- **Coherent approach** to deal with complex and interdependent challenges, synergies and complementarities in policies, initiatives and sectors;
- To **develop innovation** - the capacity to generate, absorb and use technology and non-technology based knowledge to create new products, services, processes or organizational change that can add higher economic, social or environmental value;
- To develop cross-sectoral interdisciplinary research **by joining and consolidating resources**;
- To develop education at University and vocational education level;
- To develop appropriate **advisory systems**.

National Research programmes

- EKOSOC - LV;**
- AgroBioRes;**
- ResProd;**
- EVIDEnT**

Latvia University of Agriculture cooperation with businesses

Main activities:

- consultation of researchers and entrepreneurs;
- Participation in exhibitions, brokerage events;
- organization of seminars, conferences, meetings, discussions;
- protection of Intellectual property;
- cooperation with business incubators;
- cooperation with industry, Jelgava City Council, Jelgava District Council, Zemgale Planning Region, Zemgale Region Human Resource and Competences Development Centre, EEN Latvia;
- database maintenance (<http://www.inovacijas.llu.lv/>).

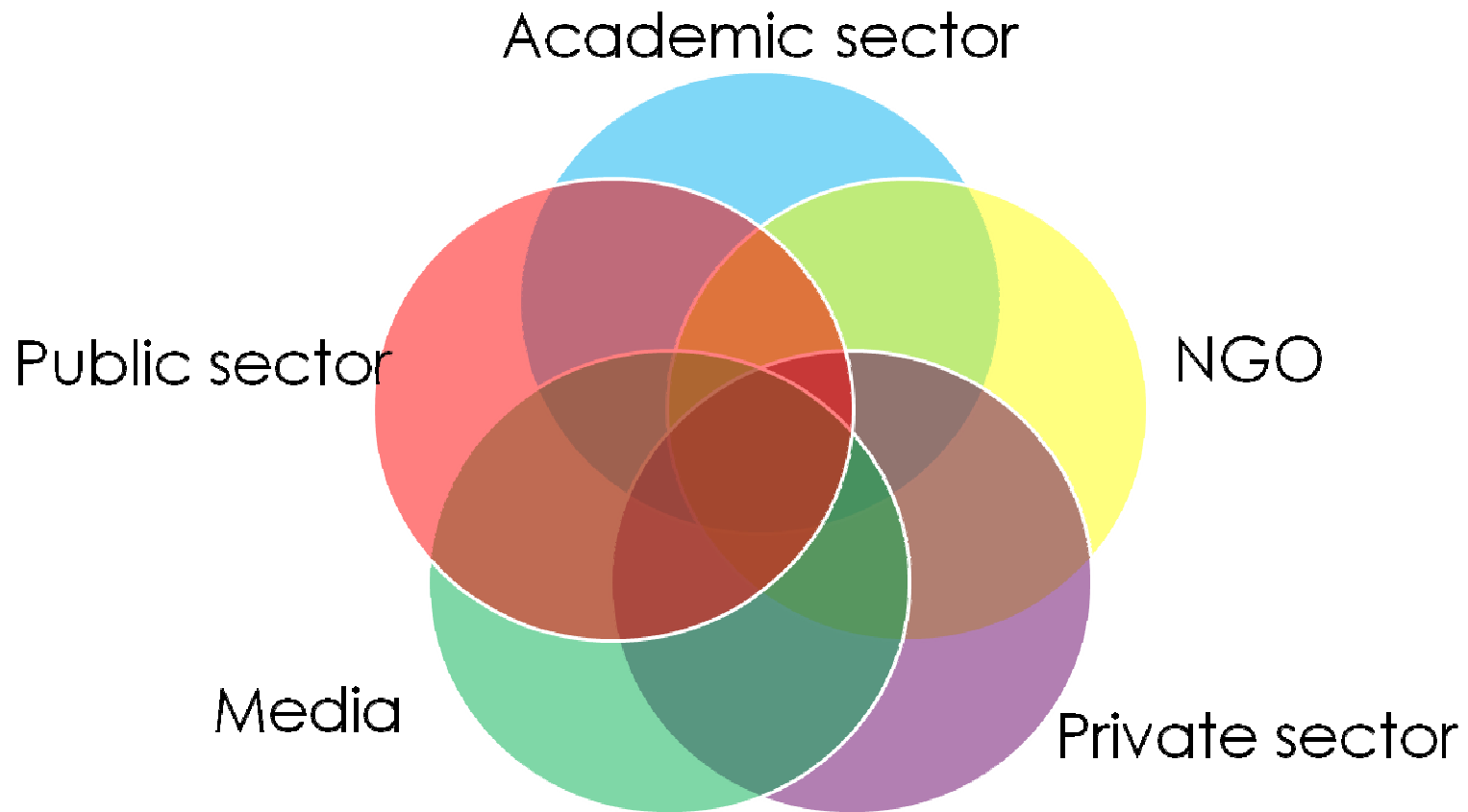
Ltd. “Lat Eko Food”

<http://www.latekofood.lv/>

- High quality, healthy organic baby food (fruit and vegetable purees “*Rūdofs*”) for infants 6 months and older. Recipes and technologies have been developed in cooperation with local institutes of Fruit-Growing and the Latvia Agricultural University.



Quintuple Helix model



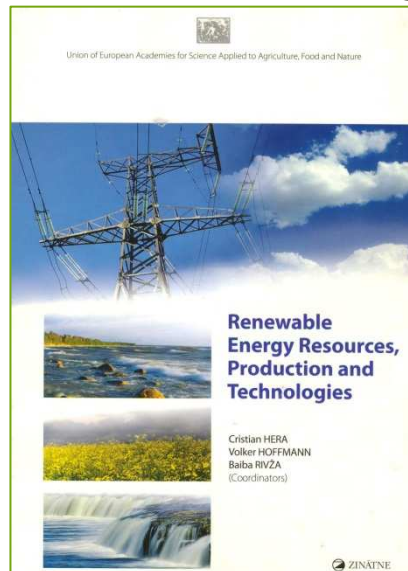
Historical background of the Union of European Academies for Science Applied to Agriculture, Food and Nature; cooperation with the LAAFS

- the UEAA was established in October 2000 in Florence (initiated by *Accademia dei Georgofili*)



LAAFS activities in the Union of European Academies for Science Applied to Agriculture, Food and Nature

- Holding the presidency in the period 2008–2010
- Holding the 5th General Assembly of the Union in Latvia in 2008, including publishing a volume of research papers



The previous UEAA president, academician Christian Hera (Romania), gives the mandate of President of the Union to academician Baiba Rivža.

- Holding the Union's seminar „**Science Development in the Environment of World Financial Crisis**” in Jurmala, Latvia, in 2009
- Holding the Union's 6th General Assembly together with the next presiding academy in Ukraine, Odessa, in 2010
- Maintaining the website of the European Academy of Agricultural, Food and Natural Sciences in the period 2008–2010

UUEAA benefits:

- Increased empowerment;**
- Improved links and partnerships;**
- Access to additional resources or information;**
- Improved learning through sharing of experiences.**

Acknowledgments

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**Trust - Respect - Friendship -
Good for working together!**

Thanks for your attention!