



Latvia University  
of Life Sciences  
and Technologies

# Developing bioeconomy in Latvia

INTERNATIONAL SCIENTIFIC CONFERENCE  
**SUSTAINABLE BIOECONOMY DEVELOPMENT 2020:**  
**From Thinking Globally to Acting Locally**

Kaunas, 25th June 2020

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Professor, Rector



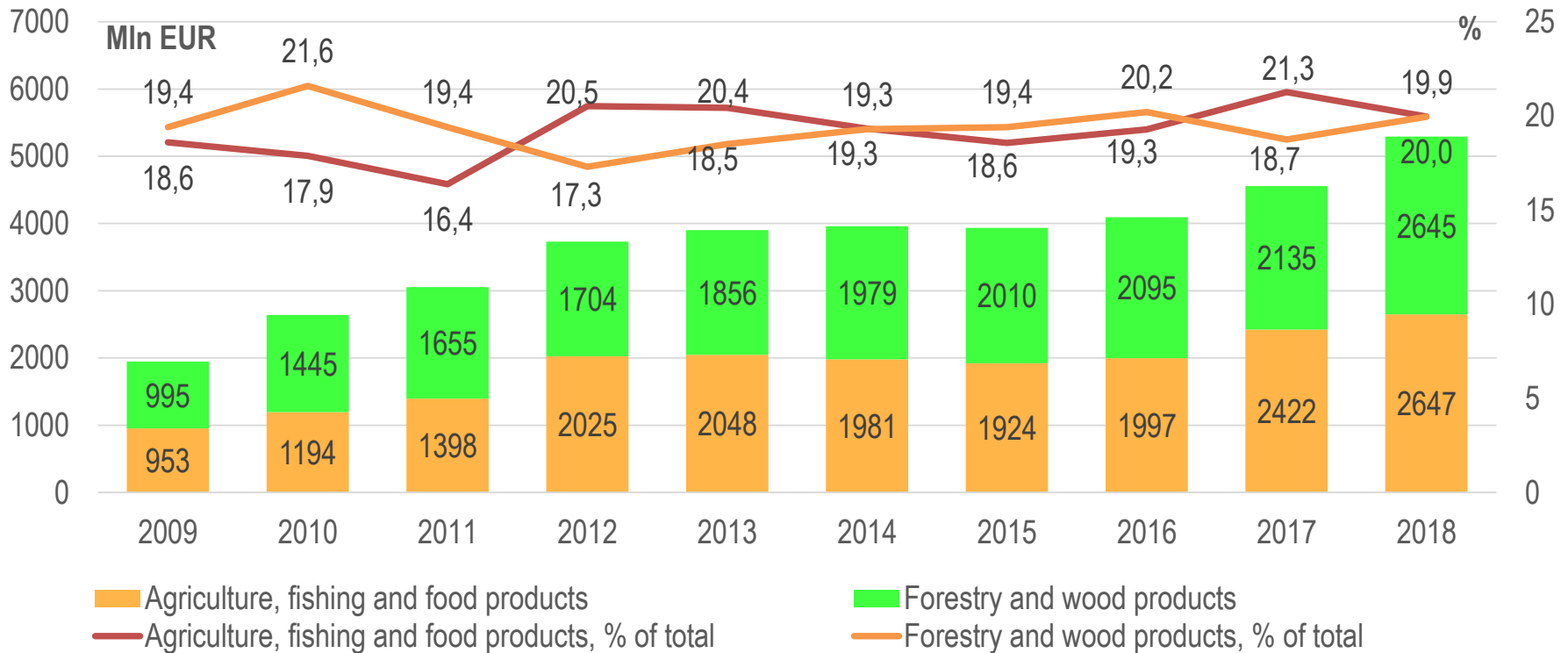


## Why Bioeconomy development?

- ✓ **Bioeconomy is very important** in Latvia
- ✓ Latvia has the **Bioeconomy strategy 2030**
- ✓ **Bioeconomy challenges** in Latvia



# Exports of goods bioeconomy in Latvia



## The conventional bioeconomy industries:

- ✓ accounted for 57% of the value added of the goods sector
- ✓ employed 15% of the total labour force in Latvia



# Latvia Bioeconomy strategy 2030

**Adopted** by the Government in December 19, 2017

**Developed** by the Ministry of Agriculture and Latvia University of Life Sciences and Technologies

## **The bioeconomy includes:**

- 1) primary production of bioresources
- 2) processing of bioresources
- 3) bioresource-based services

**The narrowest definition of a bioeconomy** encompasses agriculture, forestry, fisheries, as well as food production, and manufacture of wood and of products of wood or conventional bioeconomy industries (NACE: A01, A02, A03, C10-12, C16, C17, C31-32)

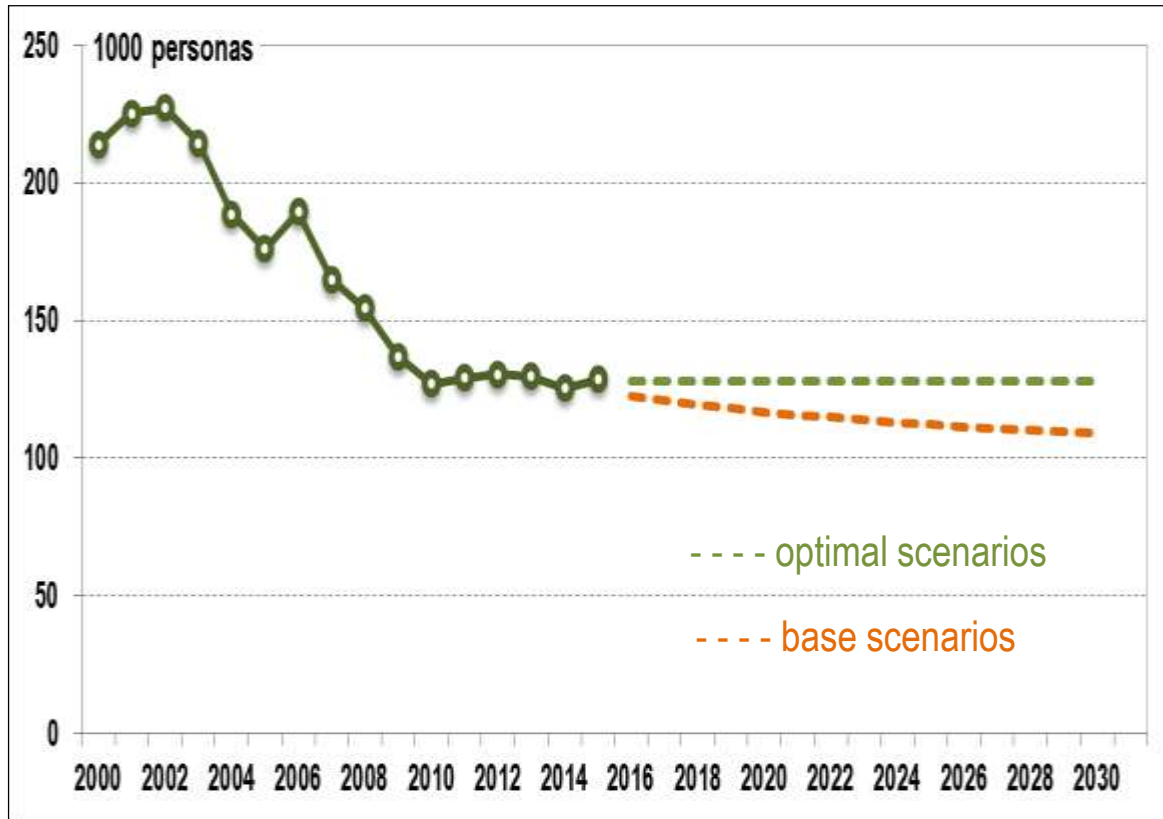


## Latvia Bioeconomy strategy 2030 - vision

Bioeconomy sectors of Latvia are **innovation leaders in the Baltic States** in preserving natural capital, increasing its value and in efficiently and sustainably exploiting it.



# Latvia Bioeconomy strategy 2030 - goals

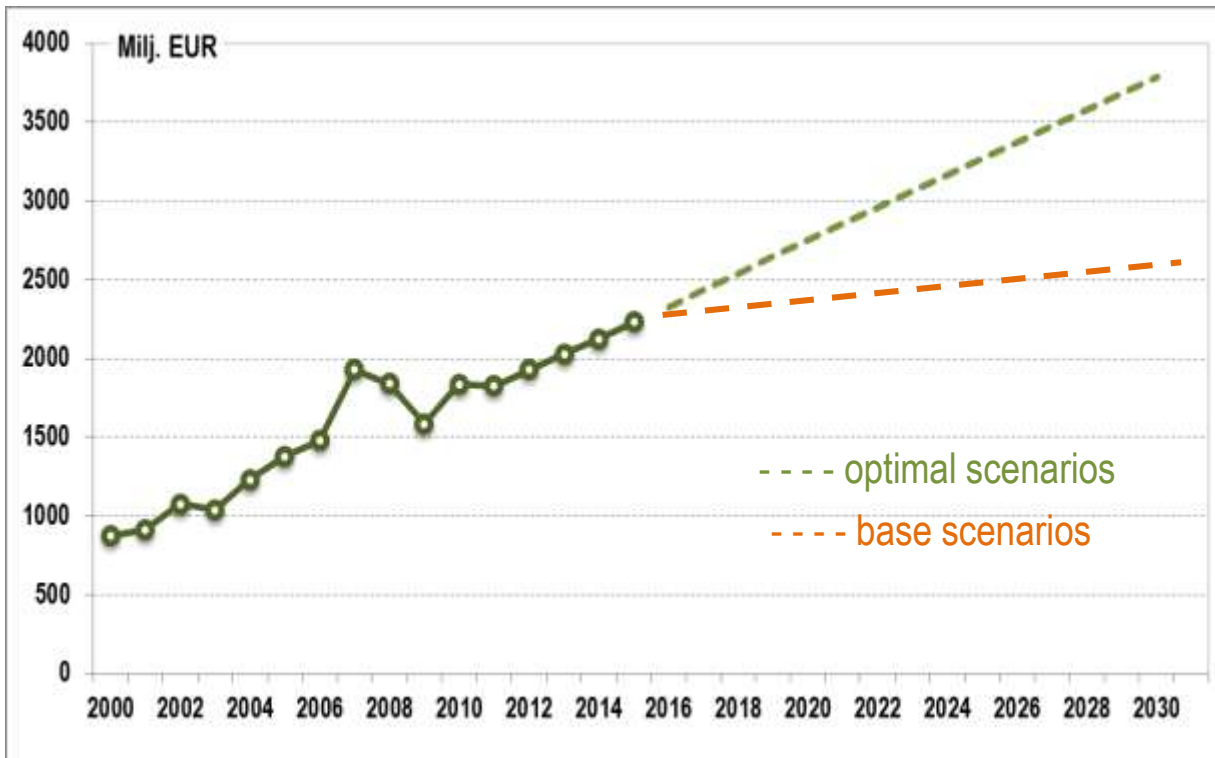


## 4 goals:

1) Advancement and retention of **employment** in the bioeconomy sectors of 128 thousand people.



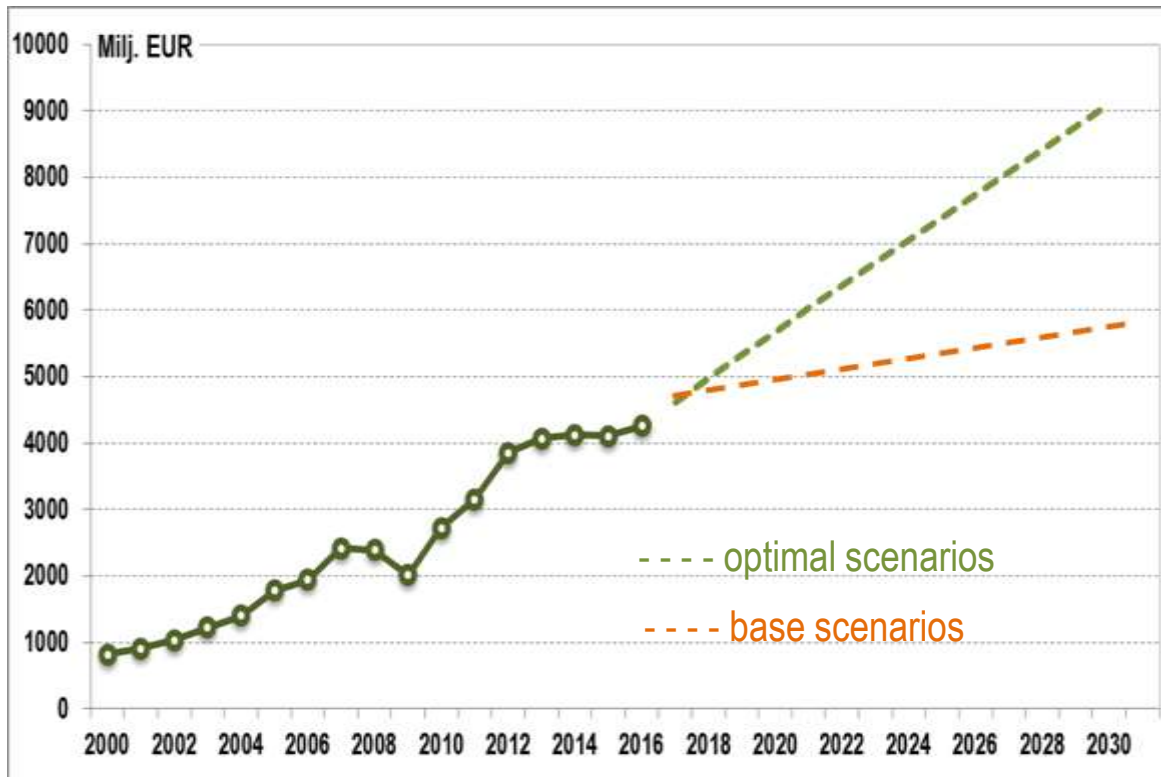
# Latvia Bioeconomy strategy 2030 - goals



2) Increasing the **value added** of bioeconomy products to at least EUR 3.8 billion in 2030.



# Latvia Bioeconomy strategy 2030 - goals



3) Increasing the value of bioeconomy **production exports** to at least EUR 9 billion in 2030.

**Horizontal** - excellence in research and effective transfer of knowledge.





# Latvia Bioeconomy strategy 2030 - measures

Achieving the goals involves

5 key integrated and complementary groups of measures:

1. Attractive business environment for the entrepreneurship in bioeconomy

2. Result-oriented, efficient and sustainable resource management

3. Knowledge and innovation development in bioeconomy

4. Promotion of production in bioeconomy

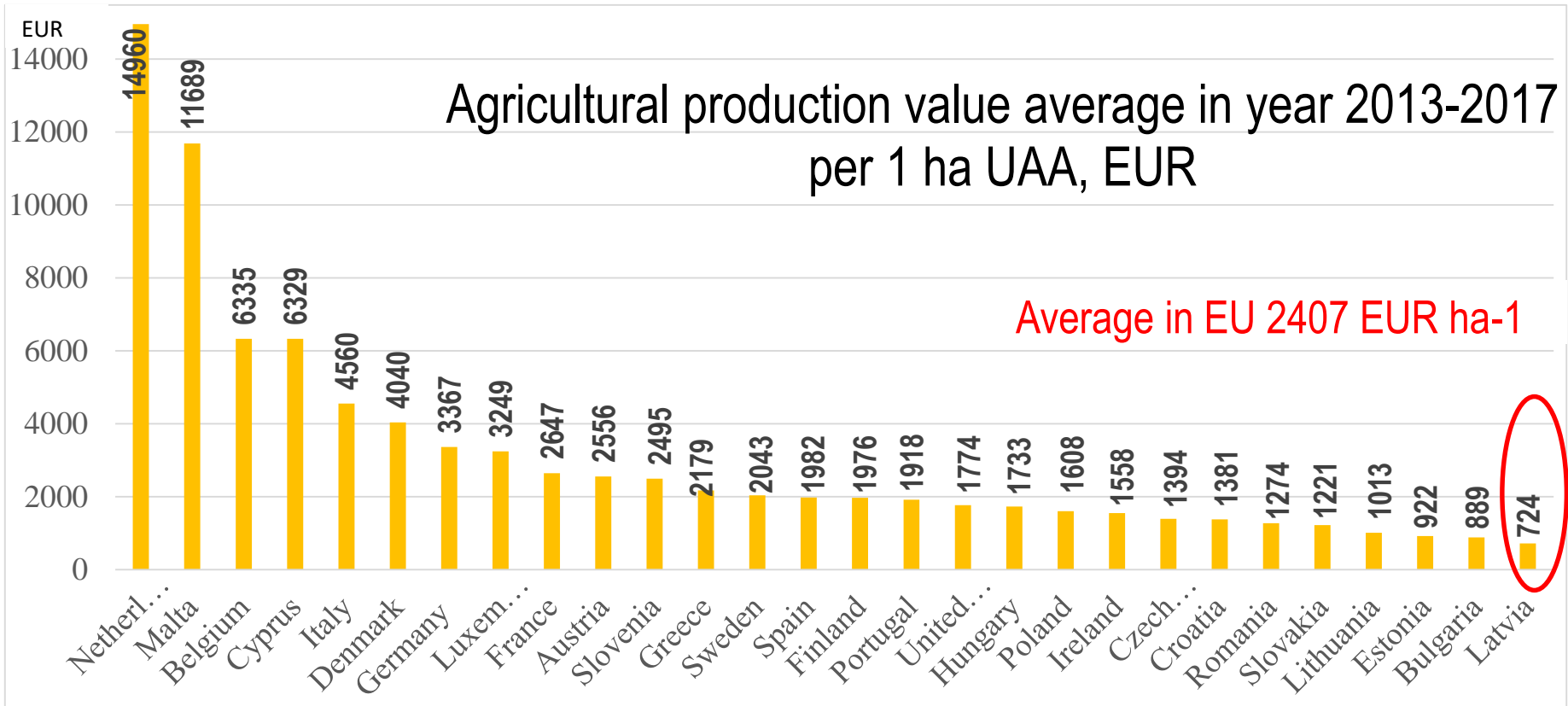
5. Socially responsible and sustainable development



# Bioeconomy challenges in Latvia – agriculture case

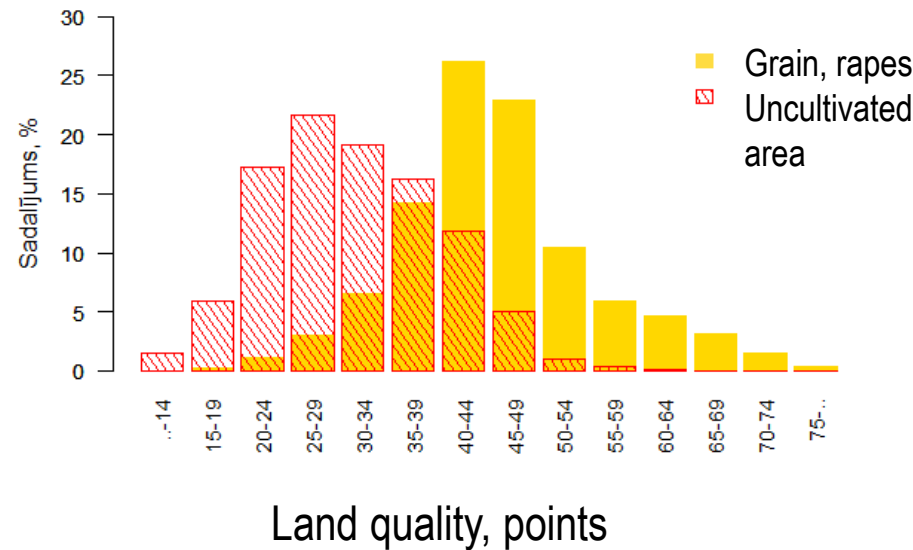
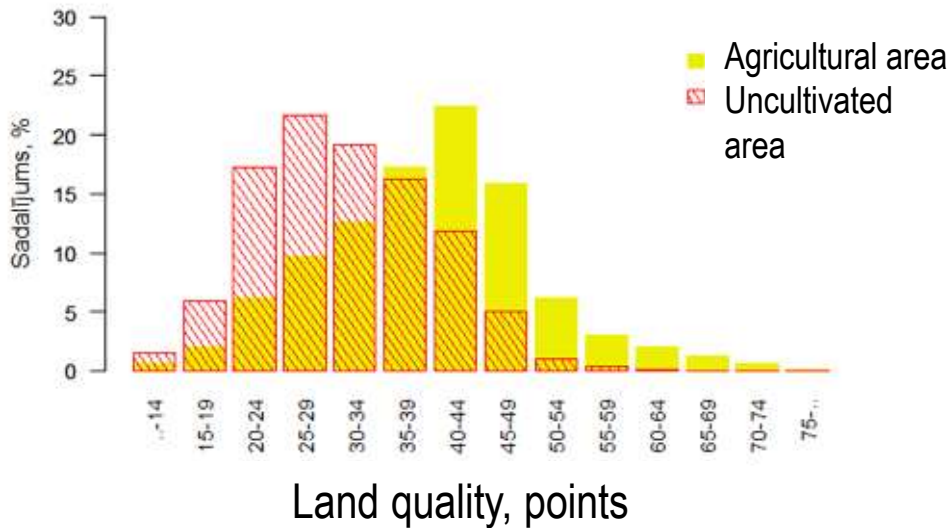
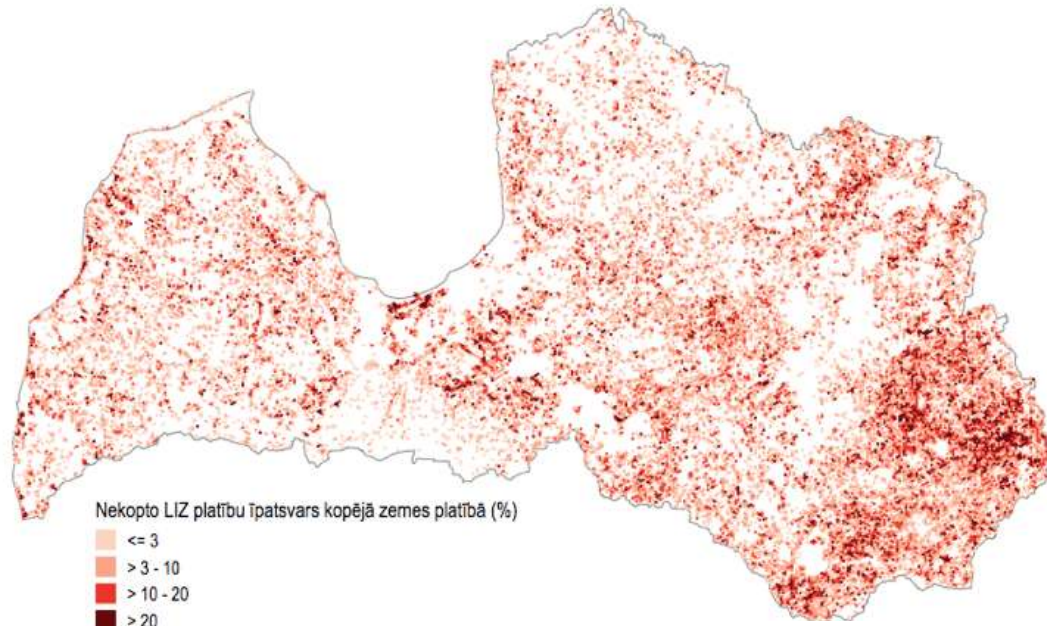
## In Latvia in 2017:

- ✓ 279 thou.ha (or 12,4%) are uncultivated agricultural area
- ✓ The lowest production volume level in EU countries



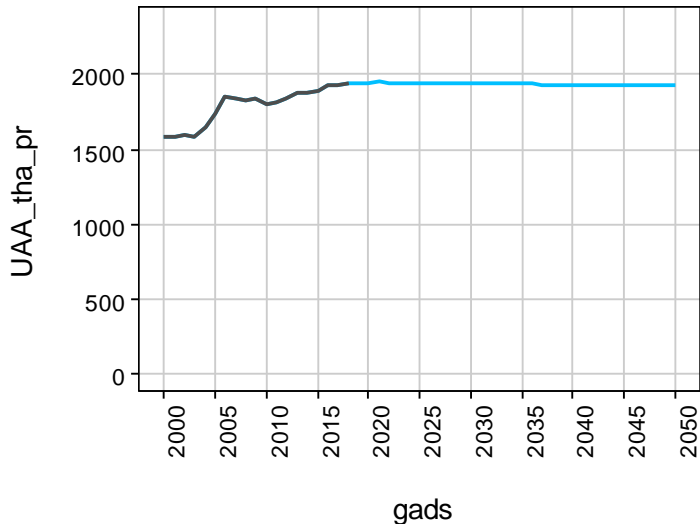


# The uncultivated agricultural area



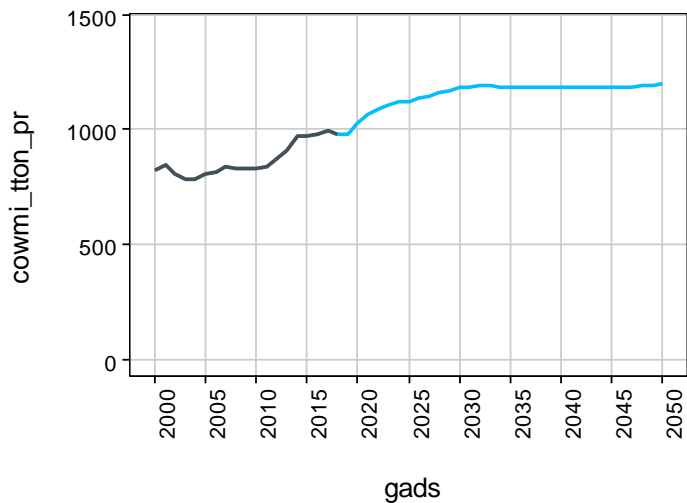
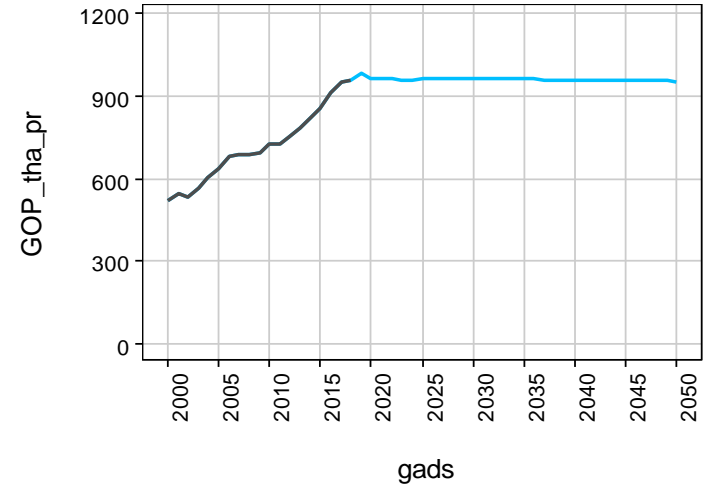


# Bioeconomy challenges in Latvia – agriculture case



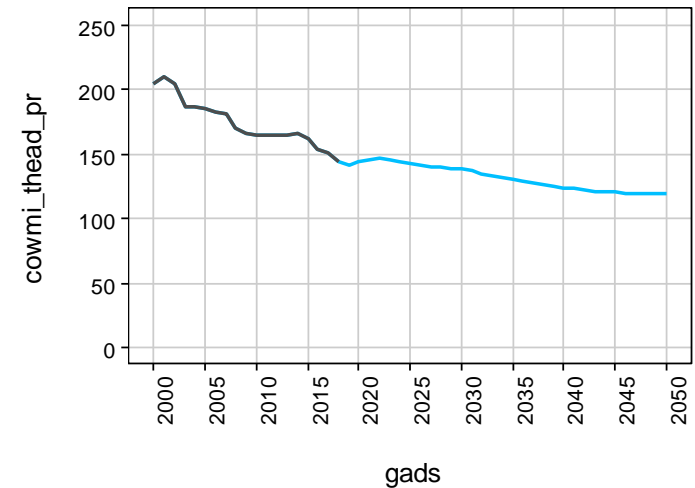
A projection in Latvia for 2018-2050, thou.ha

← UAA  
cereal area →



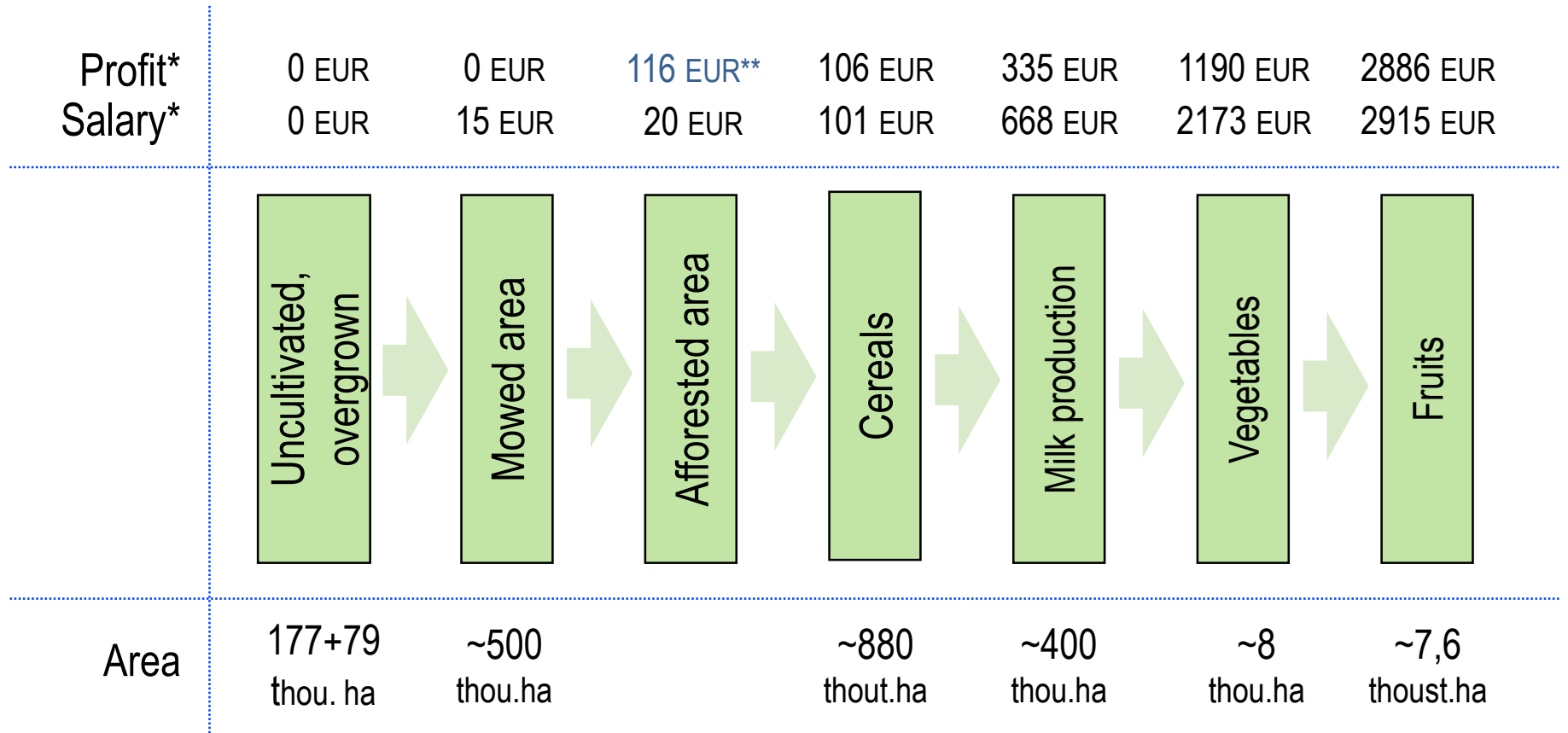
Milk output  
projection thou.t

←  
Number of cattle →





# Socio-economic scale for agriculture area



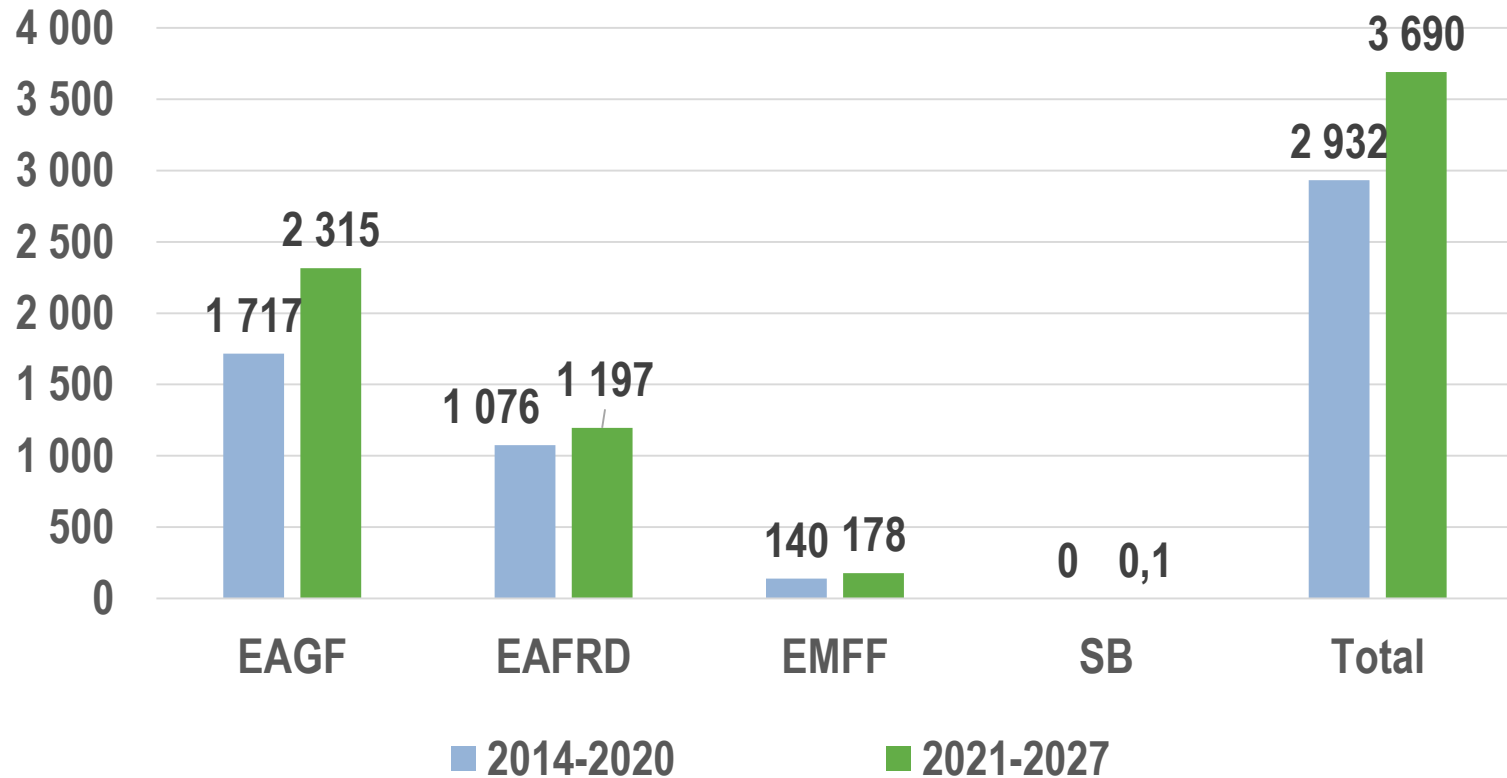
**Investments, support, tax policy**

\* Calculation was done vor average size farm, soil quqlity 40 points

\*\* pine, in mineral soils of normal moisture, average in 100 years



# National development plan for 2021-2027

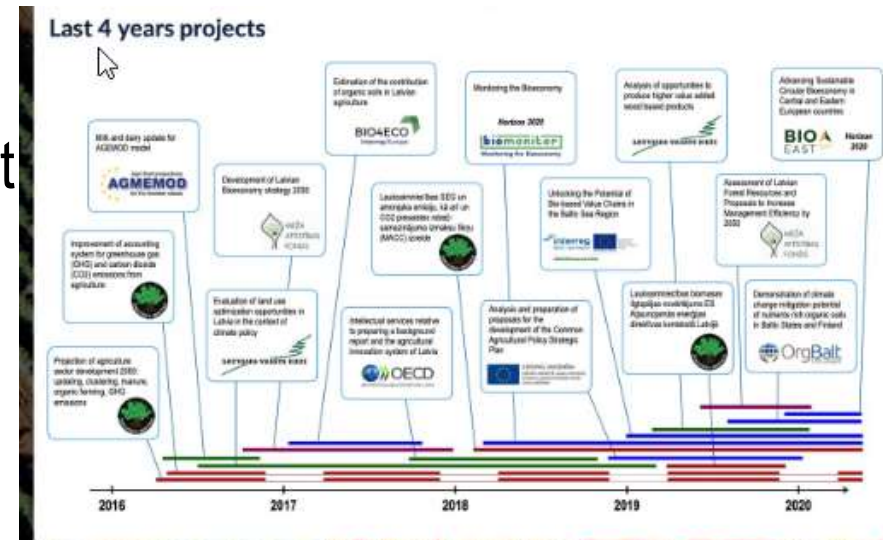




# Life Sciences Universities

Will be **as partners for the developing Bioeconomy** to provide:

1. **Education** for a skilled workforce for the Bioeconomy fields
2. Support the **development of the research and innovations** for the Bioeconomy
3. Engagement **in the Public-Private partnerships** – to support links with industry for knowledge and innovation transfer
4. Engagement in the **Policy development**





*Thank you!*  
*[www.llu.lv](http://www.llu.lv)*