



Stakeholder Forum 2019

#BBISF19

Benefits of Bioeconomy

Ms. Jaana Husu-Kallio

Permanent Secretary

Ministry of Agriculture and Forestry, Finland

Finnish EU Presidency

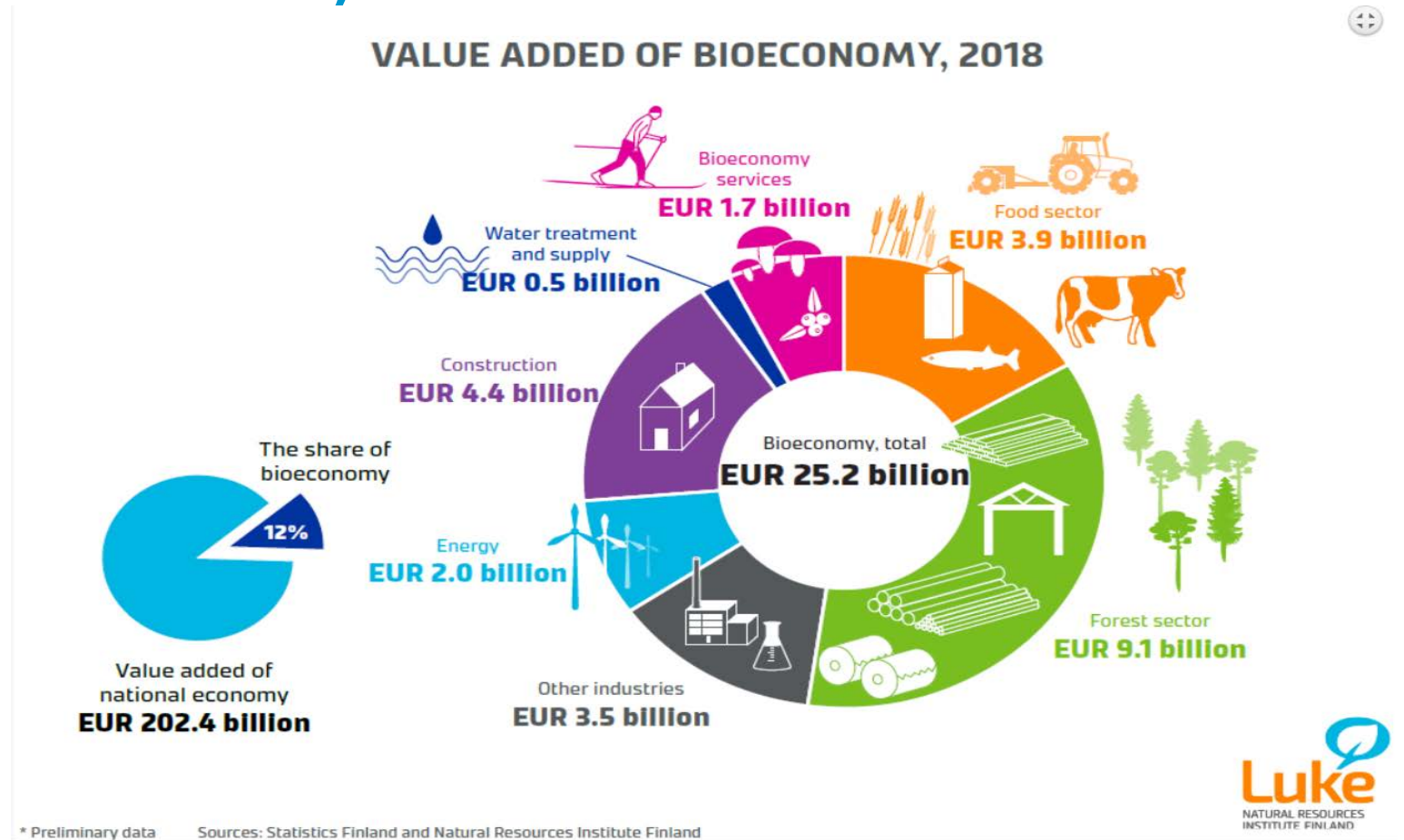
- Emphasises on the implementation of the updated EU Bioeconomy Strategy and the possibilities bioeconomy offers in solving global challenges
- Finland organised a Bioeconomy Conference in July in cooperation with the European Commission
- In November the Competitiveness Council adopted Council Conclusions on Bioeconomy

Bioeconomy Strategy in Finland

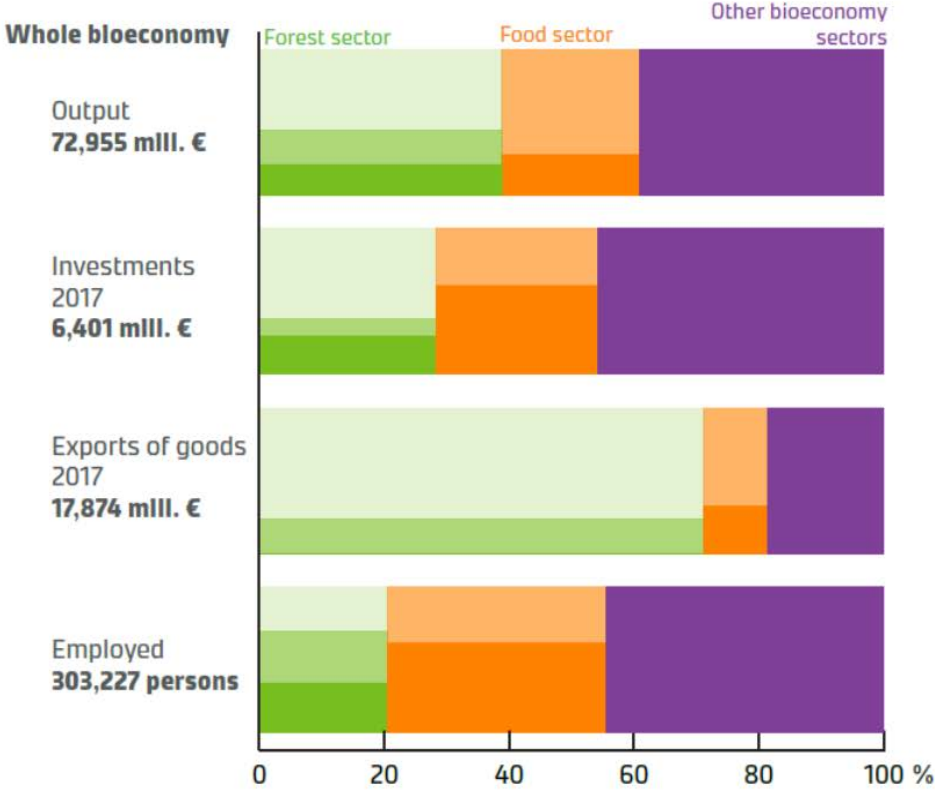
- National Strategy since 2014
- 3 core ministries: Economy and Employment, Agriculture and Forestry, Environment + 4 other ministries involved
- Food, forest, chemical, construction and technology industry associations actively involved as well as farmers and forest owners, research institutes, universities...
- More info in www.bioeconomy.fi

Bioeconomy and Finland

- National Bioeconomy strategy 2014
- Government Programme 2019: Towards carbon neutral Finland
- Research and innovation programmes on bio and circular economy: Natural Resources Institute Luke, Business Finland, etc.



FOREST AND FOOD SECTORS IN FINLAND'S BIOECONOMY, 2018



Forest and food sectors broken down by sub-sector

- Forestry
- Wood-products industries
- Pulp and paper industries
- Agriculture
- Food industry

* Preliminary data
Sources: Statistics Finland and Natural Resources Institute Finland

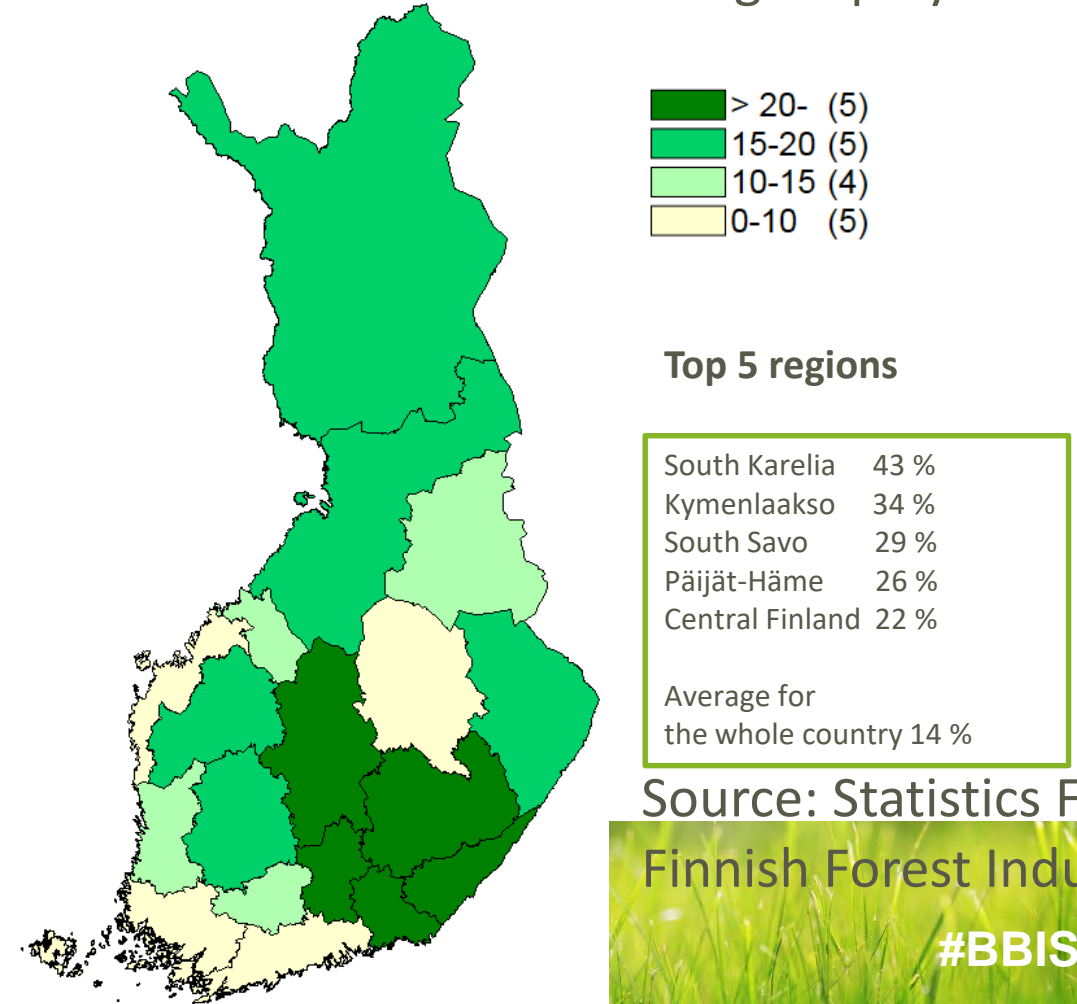


Employment and regional development

- Employment
- Infrastructure development
- Attraction of new investments

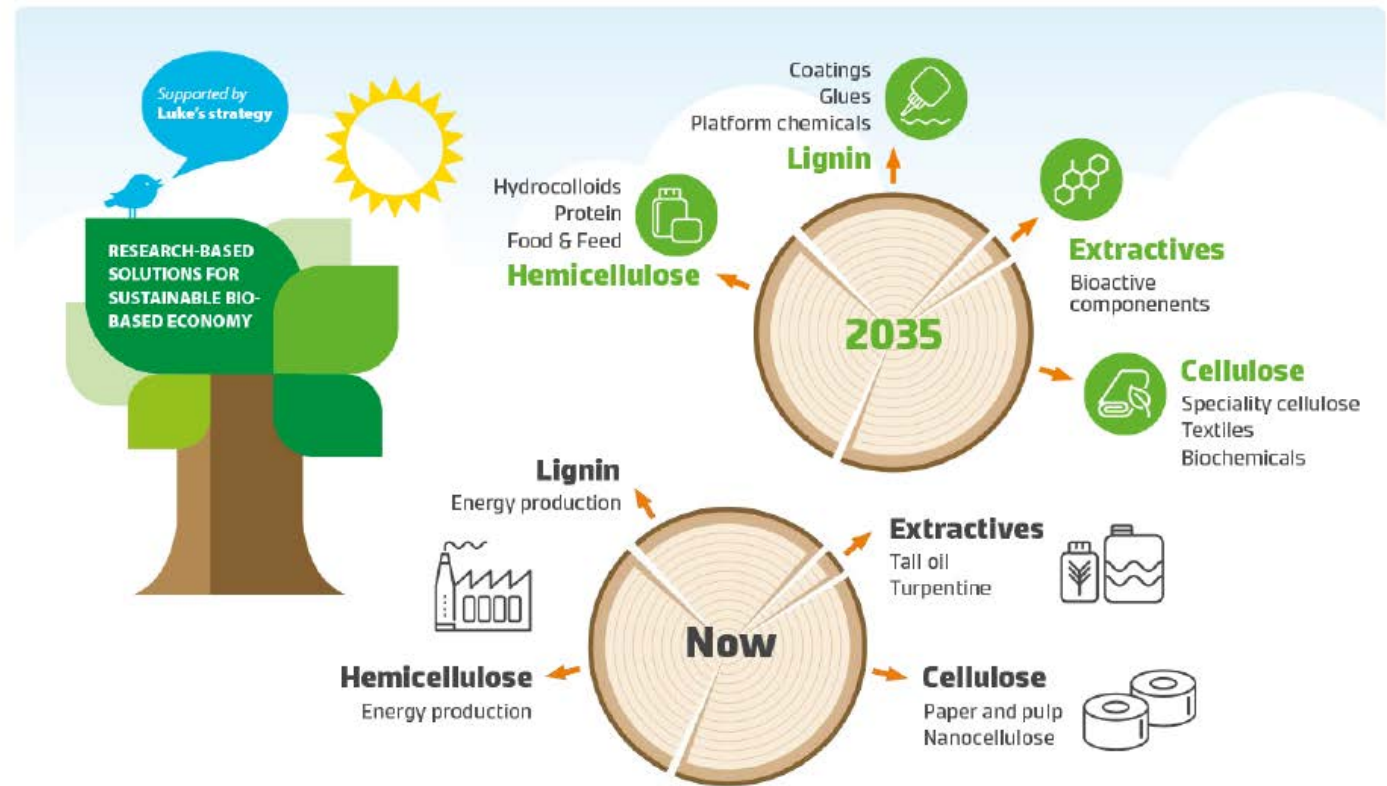
Forest Industry:

Share of Manufacturing Employment



Wood-based Opportunities

- New products to replace fossil based products and chemicals
- Biofuels for transport, wood based nafta for chemical industry
- Fiber-based biodegradable products to replace plastics



Source: Natural Resources Institute Luke

New business examples from Finland to boost circular bioeconomy

- **Infinited Fiber Company** – from textile waste to new fiber (VTT technology)
- **Paptic** - replacing plastic in packaging
- **Sulapac** – packaging from wood and natural biopolymers, fully biodegradable
- **Lumir** – biobased solution for indoor acoustics
- **Gasum** – from food waste to energy

