



Evaluation of Forest-Based Sector for the National Economy in the Bioeconomy Context

15th International Scientific Conference **WoodEMA**

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TRNAVA, SLOVAK REPUBLIC, *JUNE 8TH- 10TH 2022*



BIOECONOMY AND FOREST-BASED SECTOR

Bioeconomy

“the knowledge-based production and utilization of biological resources, biological processes, and principles to sustainably provide goods and services across all economic sectors”

(FAO, 2016)

- forest-based sector as a main component of the bioeconomy concept
- renewable alternatives of fossil-based and carbon-intensive materials
- the role of productive forests in mitigating climate change



METHODOLOGY

The aim is to evaluate the contribution of the forest-based sector to the Slovak economy on the basis of comparison with selected countries in the bioeconomy context.

- focus on woodworking industry in the period from 2010 to 2018
- selected countries: Slovak republic, Czech Republic, Republic of Finland
- assessed and compared indicators:
 - forest cover,
 - GDP of the woodworking industry and its share in total GDP,
- comparative analysis



RESULTS

INDICATOR	REPUBLIC OF FINLAND	SLOVAK REPUBLIC	CZECH REPUBLIC
Area of the country (1000 ha)	30 390	4 809	7 887
Forest cover (1000 ha)	22 218	2 020	2 670
Share of forest cover (%)	73	42	34

Figure 1. Share of forest cover in selected countries



RESULTS

- Finland
 - seen as leading actor in the sustainable forest-based bioeconomy
 - the woodworking industry does not play a major role in contributing to the economy
- Slovakia and Czech Republic show similar trends

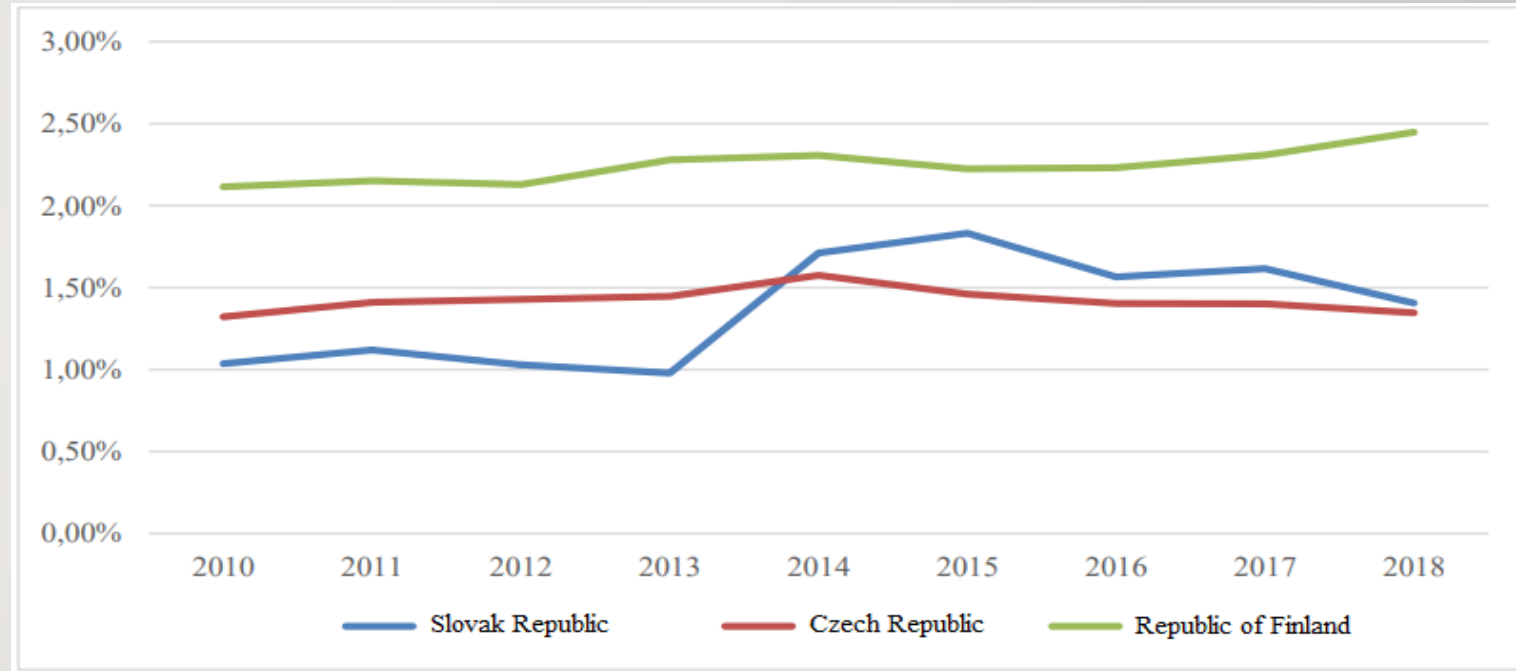


Figure 2. The share of the woodworking industry in the total GDP of the country



CONCLUSION

- the bioeconomy is expected to be a leading paradigm in the forest-based sector in the coming years
- the forest-based industry offers environmentally sustainable products made from renewable raw materials
- in Finland, the wood processing industry is one of the largest industries and a major contributor to economic prosperity
- in Czech and Slovak republics is growing awareness observed
- countries should focus in particular on the comprehensive use of wood raw materials, which would contribute to increasing added value and thus to the GDP growth



THANK YOU



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