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OPPORTUNITIES FOR BIOECONOMY DEVELOPMENT: A STUDY OF THE LATVIAN FOREST SECTOR AND IDENTIFICATION OF HIGH-VALUE NICHE PRODUCTS

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Abstract – Climate change, rising food and feed demand, and biodiversity loss necessitate a more sustainable, innovative, and knowledge-based bioeconomy. This research analysed and compiled statistical data, reports, and other official information from Latvian forest sector stakeholders to understand its system components. After identifying main enablers and constraints, a methodology was established to find niche products with high added value through which the potential of the forest sector could be built. The system components of the Latvian forest sector and future growth scenarios for wood-based niche products showed similar outcomes for current constraints and drivers for the bioeconomy and forest sector. As a result, a number of action measures were proposed at government and policy planning level; measures to strengthen research and development, and activities to promote the production of higher value-added products and the development of a sustainable bioeconomy.

Researchers Experts of forest sector Series of focus group discussions 5 Strenghts Identification SWOT matrix Tows 5 Weaknesses AHP 1st niche 5 Opportunities product interactions 5 Threats Actions to be SWOT taken to 5 Strenghts matrix for Selection of SWOT matrix Identification develop and TOWS 5 Weaknesses 3 niche Latvian 2nd niche AHP successfully 5 Opportunities matrix products product interactions 5 Threats sectors 5 Strenghts product SWOT matrix Identification Tows 5 Weaknesses AHP 3rd niche 5 Opportunities matrix product interactions 5 Threats

Keywords - Bioeconomy; forest sector; niche products; value-added

Methodology for selection and analysis of niche products.

Conclusions on actions to be taken for the development of a sustainable and knowledge-based forest sector in Latvia

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