



What are the Benefits of Environmental Purchasing for Wood-processing Companies?

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Objective

Evaluating the benefits of the companies in wood-processing sector after introducing environmental requirements into the purchasing process



Green Purchasing and its Benefits

- obtaining the most environmentally friendly goods and services that are necessary for manufacturing processes
- preferring products and services that have a lesser or reduced effect on human health and the environment when compared with competing products or services that serve the same purpose
- taking into account raw materials acquisition, production, manufacturing, packaging, distribution, reuse, operation, maintenance or disposal of the product or service

Benefits:

- environmental
- social
- economic



Methodology

- questionnaire survey (320 respondents)
- Likert scale (1 – total agreement and 4 – total disagreement.)
- MS EXCEL
- frequency analysis
- semantic differential
- Mann–Whitney U test



Results

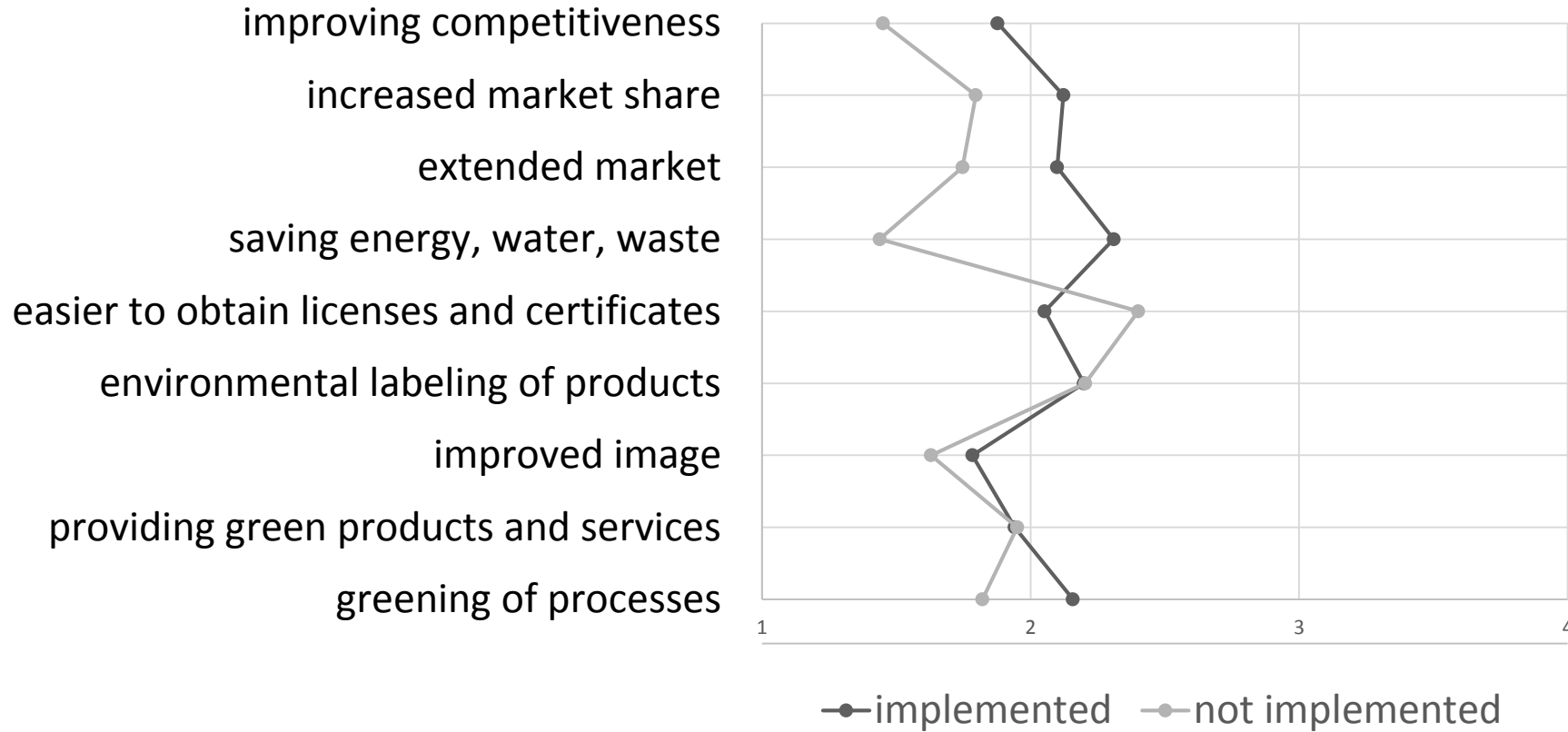
environmental requirements

Within environmental purchasing the companies require ... <i>n = 163</i>	\bar{x}
products with reduced content of toxic substances	1.64
environmentally friendly products	1.78
forest certification system at the supplier	1.83
recyclable packaging / product packaging	1.87
recyclable products	2.02
use of environmentally friendly procedures, technologies and materials at the supplier	2.11
production of green products (recycling, environmentally friendly packaging) by suppliers	2.12
environmental labelling of products	2.15
pollution minimization and harmful waste	2.23
the supplier's ability to reduce material and energy consumption	2.26
the supplier's ability to support green solutions in supply chain management	2.32
supplier life cycle assessment of the supplier	2.40
established environmental management system at the supplier	2.43
green (ecological) product design	2.51
green image of the supplier	2.60
introduction of ecological research and development activities (green innovation) by suppliers	2.67





Results



Results

Benefits for businesses implementing green purchasing

- improving the competitiveness
- Improving the image
- providing green products and services

Motivation for businesses to implement green purchasing

- Improving the image
- Improving the competitiveness
- reducing water and energy costs



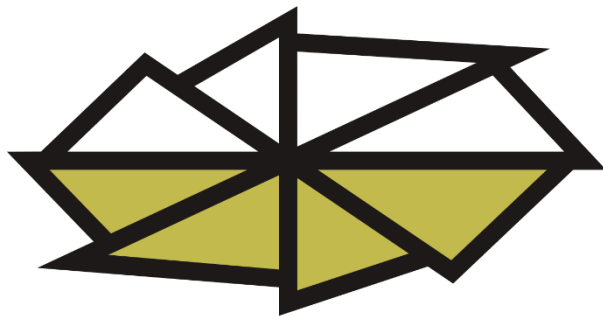
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Thank you for your attention!

