

The Impact of Responsible Innovation on Logistics and Supply Chains

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Abstract— Product development is a key business activity that drives long-term business success. Over time, the focus of the product development process has evolved to encompass a more diverse group of stakeholders' needs and inputs, culminating in a call for more Responsible Research and Innovation. This paper extends the debate, from its focus on science and its engagement with downstream implications for logistics and supply chain from various stakeholder points of view.

At the outset we explore different kinds of innovation developments over the last few years and how different triggers and mechanisms can be used to incorporate 'responsible' dimensions into the design and development process. The second part of the paper presents an overview potential logistics and supply chain configuration scenarios and strategies, which can be foreseen in the future. Various examples from on going research and from existing studies will be provided to support different scenarios and configurations. The implications of different supply chain configuration models will be analysed and their impact on performance as well as their overall implications for customer service will be debated.

Key words— Responsible Innovation, Logistics, Supply Chains, Performance.

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