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# Acc4<sup>th</sup>emic

## INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION

“INTEGRATING CLEANER PRODUCTION INTO SUSTAINABILITY STRATEGIES”

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### **Proposition of a Model for the Environmental Impact Assessment in the Apparel Industry**

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#### **Abstract**

The garment industry generate impacts to the environment which need to be assessed in order to optimize the overall environmental performance of the production process of fashionable products. This paper proposes a methodology to measure these environmental impacts, based on the analysis of the production processes of a medium-size garment industry. For the definition of the model we take into consideration a series of guidelines based on the postulates of Design for Sustainability (D4S) and the systems and tools commonly used for environmental management. The model proposes a way of mapping the production processes as well as analyzing and measuring the impacts generated by the creation and production of fashion artifacts.

*Keywords: environmental impact assessment, cleaner production, design for sustainability.*

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