



# Academic<sup>th</sup>

INTERNATIONAL WORKSHOP  
ADVANCES IN CLEANER PRODUCTION

“CLEANER PRODUCTION TOWARDS A SUSTAINABLE TRANSITION”

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## **Cleaner Production Criteria and Project Management Maturity: A Structural Equation Modeling Analysis in Brazilian Industries**

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### **Abstract**

Cleaner Production (CP) is an important mean to systematic reduce losses of both product reuse and manufacturing processes. For the successful implementation of CP is essential to ensure effectiveness of factors that can influence this process, such as identification of used decision criteria together with an effective methodology for managing the implementation strategies of projects in order to reach the expected results. Based on the relevance of the themes, this research has the objective of measuring relationships and correlations between constructs criteria of CP, Project Management Maturity and Success CP, considering the moderating effect of Business size. This study tested 238 manufacturing industries. For the analysis and data interpretation we used the Structural Equation Modeling methodology, which was implemented by a descriptive research method. The survey results show relationships strength and correlations between the constructs, contributing to the research of CP as well as presenting a new research area that can support the assertiveness of management actions.

**Keywords:** *Cleaner production, Decision criteria. Project Management Maturity, Brazilian Industry, Structural Equation Modeling*

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