



Environmental Management Systems and productivity in French Companies in National Development

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Abstract

This study consists of forty-three French corporations listed on the French securities market. In this case focuses on how EMS implementation affect for company performance in national development. This study aims Associate in analyze to the adoption of an environmental management system would improve the productivity of companies in operation within the producing sector. To investigate the link between environmental and monetary performance. These variables include: research and development (R&D) expenditure ratio, logarithm. This Sample consists of 43 French companies. Research question: to what extent the implementation of an EMS influences the reduction of environmental impacts and improves productivity. Limitation is 43 companies because flexibility of study. We selected most smoke emission companies by government reports. This study uses quantitative methods. Data collection method is Email questionnaires. To data analysis use software SPSS. To data present Tables for presenting statistical data, pie chart, Figures. Mean, Standard deviation are calculated. They demonstrated through the Wilcoxon rank-sum test that there is a significant difference between certified and non-certified companies in terms of environmental performance, noise emission. Result of the correlation matrix based on Pearson's coefficient and Results for the Housman test for models one to five. Results show three economic models, retained model, fixed effects model, Random effects model. These results are consistent with the idea that the establishment of an environmental management system reduces emissions and therefore firms' environmental impacts. EMS improve environmental performance but reduce productivity. Findings of paper the firm which indicates that EMSs are valuable resources that lead firms to gain competitive advantages and economic performance.

Keywords: EMS, Pollution, Performance, Productivity, Emission

