



“Gheorghe Asachi” Technical University of Iasi, Romania



RESEARCH ON THE FACTORS THAT DETERMINE THE QUALITY OF ENVIRONMENTAL MANAGEMENT SYSTEMS IMPLEMENTATION IN THE CASE OF ROMANIAN ORGANIZATIONS

**Ionuț Viorel Herghiligiu^{1*}, Mihaela Luminița Lupu¹,
Christian Robledo², Abdessamad Kobi²**

¹ „Gheorghe Asachi” Technical University of Iași, Department of Engineering and Management, Prof. Dr. Docent Dimitrie Mangeron Blvd., no.29, 700050 Iași, Romania

² University of Angers, ISTIA, Laboratoire Angevin de Recherche en Ingénierie des Systèmes, 62 Avenue Notre-Dame du Lac, 49000 Angers, France

Abstract

Today companies face great challenges due to continuous change of the environment. This dynamic change leads directly or indirectly to a flexible behavior of organizations. This organizational behavior could be characterized by: reducing the response time between demand and offer, quickly adaptation to market dynamics, fast „modernization” of the management, more flexible organizational structures, customer orientation, environmental orientation, and so on. Although there are numerous works in literature that analyze the Environmental Management System (EMS), there are very few studies that approaches all integrated environmental practices, and analyze the EMS quality by considering the factors that influence it and also characterizes the organization's orientation to environmental issues.

In the present paper, we conducted a research that addresses the implementation quality of EMS under the influence of various internal and external environment factors at the level of the largest organizations that are situated in NE area of Romania. The analysis was elaborated at the level of largest organizations that are developing predominantly industrial activities. For our study we have selected a sample of 178 managers. In this context, one of the main objectives of this research was to build a model for the architecture of the relationship among the influence factors and the implementation of EMS quality. Practical contributions of this research consist in specific information regarding the following issues: what factors strongly influence the implementation of EMS quality; what measures should be taken to increase the implementation quality; where are the limitations to the potential growth of the quality regarding the EMS implementation.

Key words: EMS implementation quality, environmental management, industrial organizations

Received: February, 2014; Revised final: August, 2014; Accepted: August, 2014

* Author to whom all correspondence should be addressed: e-mail: herghiligiunionut@gmail.com