



"CLEANER PRODUCTION INITIATIVES AND CHALLENGES FOR A SUSTAINABLE WORLD"

Concepts, Principles and Tools for an Urban-Industrial Environment More Sustainable

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Abstract

The main objective of this paper is to understand how the concepts of Industrial Ecology, the principles of the certification of buildings and the tools of sustainability indicators can relate to achieve a more sustainable industrial architecture that integrates and benefits the urban environment. Such a search is made from a survey of the applications of environmental certification systems in industrial buildings and also the main concepts related to indicators of environmental performance in buildings and Industrial Ecology. We propose a comparative analysis of key concepts and there is a correlation between certification and Industrial Ecology.

Keywords: Industrial Ecology, Building Certification, Sustainability Indicators and Industry