

## Maturity Model for Agro-Industrial Logistics

**Authors :** Erika Tatiana Ruiz, Wilson Adarme Jaimes

**Abstract :** This abstract presents the methodology for improving the logistics processes of agricultural production units belonging to the coffee, cocoa, and fruit sectors, starting from the fundamental concepts and detailing each of the phases to carry out the diagnosis, which will be the basis for the formulation of its action plan and implementation of the maturity model. As a result of this work, the maturity model is formulated to improve logistics processes. This model seeks to: generate a progressive model that is useful for all productive units belonging to these sectors at the national level, regardless of their initial conditions, focus on the improvement of logistics processes as a strategy that contributes to improving the competitiveness of the agricultural sector in Colombia and spread the implementation of good logistics practices in postharvest in all departments of the country through autonomous tools. This model has been built through a series of steps that allow the evaluation and improvement of the logistics dimensions or indicators. The potential improvements for each dimension provide the foundation on which to advance to the next level. Within the maturity model, a methodology is indicated for the design and execution of strategies to improve its logistics processes, taking into account the current state of each production unit.

**Keywords :** agroindustrial, characterization, logistics, maturity model, processes

**Conference Title :** ICEIT 2020 : International Conference on Industrial Engineering and Information Technology

**Conference Location :** London, United Kingdom

**Conference Dates :** November 19-20, 2020