

DEVELOPING A FRAMEWORK FOR DETERMINING THE CONTRIBUTION OF TRANSPORTATION PROJECT TO SUSTAINABLE DEVELOPMENT

Abstract

Many Transportation Agencies are trying to incorporate sustainability in decision making, with little success. There is a need for a decision support tool that is both objective and incorporates sustainability. The main purpose of this research is to develop a methodology that is capable of objectively quantifying the contribution of a given transportation project on the sustainable development of a region. The final product of the research is a working modular agent based discrete event simulation model.