

Uncertainty and Economic Analysis of Energy and Climate Policies using TIAM and GEMINI-E3 models

Authors: F. Babonneau , M. Vielle , A. Haurie and R. Loulou

Abstract. In this paper we use the computable general equilibrium model GEMINI-E3 with randomly generated uncertain parameter values to provide a stochastic micro- and macroeconomic analysis of a hedging emission policy identified by the Times integrated assessment model TIAM, run in a stochastic programming version.

Keywords. Stochastic programming, Monte-Carlo sampling, GEMINI-E3.