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Nota di contenuto	Intro -- GLOBAL MODEL SIMULATION: A FRONTIER OF ECONOMIC SCIENCE -- GLOBAL MODEL SIMULATION: A FRONTIER OF ECONOMIC SCIENCE -- CONTENTS -- PREFACE -- Chapter 1 INTRODUCTION -- Chapter 2 OUTLINE OF FUGI GLOBAL MODELING SYSTEM -- 2.1. REGIONAL CLASSIFICATION -- 2.2. INTEGRATED MULTIDISCIPLINARY SYSTEMS ANALYSIS -- 2.3. STRUCTURE OF GLOBAL INTERDEPENDENCE -- 2.4. GLOBAL INTERDEPENDENCE TABLE -- 2.5. POLICY IMPLICATIONS OF GLOBAL INTERDEPENDENCE TABLE -- 2.6. SOFTWARE OF FUGI GLOBAL MODELING SYSTEM -- 2.7. MAIN SUBSYSTEMS: POPULATION, ENVIRONMENT AND ECONOMIC DEVELOPMENT -- Population System -- Energy System -- Environment -- Economic Development System -- Labor and Production at Constant Prices -- Expenditures on GDP at Constant Prices -- Income Distribution - Profits and Wages -- Prices -- Expenditures on GDP at Current Prices -- Money, Interest Rates and Financial Assets -- International Balance of Payments -- Official Development Assistance -- Foreign Exchange Rates -- Chapter 3 EXAMPLES OF ESTIMATED PARAMETERS OF GLOBAL MODEL -- Chapter 4 FUTURE SIMULATIONS OF THE WORLD ECONOMY, 2009-2020 -- SCENARIO A: G20 COLLABORATION -- Chapter 5 ALTERNATIVE PATH OF GLOBAL ECONOMY AGAINST CO2 EMISSIONS -- 5.1. GLOBAL ENVIRONMENT INDICATORS: CO2 EMISSIONS -- 5.2. ALTERNATIVE PATH OF GLOBAL

ECONOMY AGAINST CO2 EMISSIONS. SCENARIO B: GLOBAL CO-OPERATION FOR "GREEN REVOLUTION" -- Scenario B: Global Cooperation and Concerted Policy for Green Revolution -- Developed Economies* -- Developing Countries + Economies in Transition -- Chapter 6 POLICY EXERCISE AND SIMULATIONS OF FUTURES -- 1. Impacts of Oil Saving Technology on Oil Prices in the Futures -- 2. Impacts of New Technology Investment Supported by R&D on the World Economy -- 3. Appropriate Trade Policy against a New Global Economic Crisis.

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Sommario/riassunto

The purpose of this text is twofold, namely to provide information on a new frontier science of economics: global model simulation as well as appropriate policy exercise for sustainable development of the interdependent global economy.