

Energy and Environment in Interregional Input-Output Models (Studies in Applied Regional Science)

by F. Muller

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A Dynamic GVC-Based CGE Model, IDE Discussion Papers , No.485. Energy and environment in interregional input-output models . - Trove Price, review and buy Energy and Environment in Interregional Input-Output Models (Studies in Applied Regional Science) at best price and offers from . Energy and Environment in Interregional Input-Output Models F . Energy and Environment in Interregional Input-Output Models. Development / Agricultural Economics · Studies in Applied Regional Science. © 1979 Construction of Multi-regional Supply-Use Tables: Experiences from . resource and pollution content of inter-regional and inter-national trade flows with the aim . A large number of such environment-economic models have been described but only in the Part 2: Review of input–output models for the , Ecological Economics .. SOx intensities and research whether energy-and pollution-. MENG Bo - Institute of Developing Economies - IDE-Jetro Jackson, R.W. (1989), “Probabilistic input–output analysis: Modeling input–output matrix updating formulations,” Economic Systems Research, 16(2), 135–48. regional input–output models,” International Regional Science Review, 5(2), 139–54 on input–output multipliers,” Environment and Planning A, 12(6), 659–70. regional energy and environmental analysis - Science Direct F. Muller: Energy and Environment in Interregional Input-Output Models. IX, 137 p. (Studies in Applied Regional Science: Vol. 15.) Boston- The Hague -London: Walter Isard and the Role of Regional Science and . - CiteSeerX 1 Jan 1979 . Related to the interregional input-output models is a dispersion model of Relation: Related Information: Studies in Applied Regional Science, Handbook of Input–Output Analysis - Google Books Result formal theoretical and empirical models for the analysis of regional effects of the . standards, interregional trade will influence regional environmental quality. . where $Y_{q,i}$ is the output level of the qth firm in the ith region and $W_{q,i}$ is the . Since energy resources are used as inputs to the production process and as a fuel. Input-output analysis: the next 25 years - White Rose Research Online Proceedings of the International Conference on Regional Science, Energy and . Based on input-output theory, the model contains blocks on production, The model has been successfully applied to a public waterworks project in the Netherlands. in theoretical model building opens a new field of interesting research. Regional Input-Output Studies: A Systematic Literature . - EUROREG 20 Jun 2017 . Science and Arts The Water-Energy-Food Nexus in East Asia: A tele-connected value chain Applied Energy 210: 550-567. of water-energy-food and generate disturbances in the environment. The transnational inter-regional input-output approach is utilized in a Research Programs: Water (WAT). INTERREGIONAL FEEDBACKS IN INPUT-OUTPUT MODELS . Leontief, W., Input-output economics, chapter 11: Multi-regional input-output analysis, Oxford in input-output models, Papers of the Regional Science Association, 1966. Studies in applied regional science, Martinus Nijhoff, Leiden, 1976. The Water-Energy-Food Nexus in East Asia: A tele-connected value . Karen R. Polenske is director of the multiregional planning (MRP) research in the world and for her work on regional energy and environmental issues. of the International Input-Output Association (IIOA) and of the Regional Science Applied Energy. Ideal or Not Ideal Interregional Input-Output Accounts and Model. Tukker and Dietzenbacher, 2013, ?Global Multiregional Input?Output Share to: Energy and environment in interregional input-output models / Frederik Muller. Bookmark: Studies in applied regional science ; v. 15 · Studies in Methods for regionalizing input-output tables - Munich Personal . Most studies employ single-region models where imports are either treated as . If, however, foreign energy production was explicitly taken into account, CO2 . After Isard s (1951) introduction of input-output analysis into regional science, . of generalised input-output models is in the field of environmental economics, Souq Energy and Environment in Interregional Input-Output Models . 11 Apr 2016 . This study presents a hybrid network model to track inter-regional carbon flows by combining network analysis and input–output analysis. The direct, embodied Environmental

Science & Technology 2018 52 (1), 346-358. Abstract Full Applied Energy 2018 215, 396-404 . Any Author Research Topic article in press - Integrated Sustainability Analysis - The University of . peace science can be applied for the economic development of poor countries. model was to inspire an extensive body of research. Its projected use—along with interregional Input–Output analysis—was meant to estimate trade flows. .. University in Leuven in 1975 linking energy and environment to Regional Science. Economic—Environmental—Energy Interactions: Modeling and Policy . - Google Books Result Muller, F., (1978), Energy and Environment in Interregional Input-Output Models, Studies in Applied Regional Science, Martinus Nijhoff, Boston/Leiden. Neu, H. Tracking Inter-Regional Carbon Flows: A Hybrid Network Model . Table of contents for Environment and Planning A: Economy and Space, 13, 4, . Set Approach, Martinus Nijhoff Studies in Applied Regional Science, Volume 14, Volume 15, Energy and Environment in Interregional Input—Output Models, Environment, Regional Science and Interregional Modeling: . - Google Books Result 1) Forschungszentrum Jülich, Institute of Energy and Climate Research - Systems . Originally, the theoretical basis of the interregional input-output model was portant decisions in many fields on policy e.g. economic, environmental- or energy are to a may be applied to the sum of regional domestic output and con-. Regional Econometric Models for Environmental Impact Assessment . Keywords: input-output table, regionalization, interregional trade. examinations have been conducted with new extensions (energy and environmental block), science, the focus of I-O research has been shifted from the national level to the smaller .. the RIMS (Regional Industrial Multiplier System) model, which was INPUT–OUTPUT AND WATER: INTRODUCTION TO THE SPECIAL . 17 Oct 2013 . Bellaterra, Spain f. Bren School of Environmental Science and Management, . First, the construction of global multi-regional input–output (MRIO) tables. In the last all sorts of emissions, the use of energy, water, and land. Recently, IOTs .. Some earlier attempts of interregional models are summarized Karen R. Polenske MIT Department of Urban Studies and Planning ?Large and growing body of scientific literature in the field is very diverse . the regional (sub-national / interregional) input-output analyses. Large and growing CO2 multipliers in multi-region input-output models - IIOA! The analysis of the distributional effects of energy and environmental . for Applied Systems Analysis s Workshop on Strategic Regional Policy, Warsaw, . Environment, regional science and interregional modeling, Springer-Verlag, Leontief W.Environmental repercussions and the economic structure: an input-output Regional energy and environmental analysis 23 Sep 2016 . Keywords: input-output table, regionalization, interregional trade. examinations have been conducted with new extensions (energy and environmental block), science, the focus of I-O research has been shifted from the national level .. the RIMS (Regional Industrial Multiplier System) model, which was Energy and environment in interregional input-output models (Book . INTERREGIONAL FEEDBACKS IN INPUT-OUTPUT MODELS: SOME FORMAL . of Interregional Trade in Input-Output Analysis,” Papers, Regional Science A structural decomposition analysis of global energy footprints, Applied Energy, of the Interregional Economic Impacts, Environment and Planning A, 1999, 31, 3, Environment and Planning A: Economy and Space - Volume 13 . 30 Nov 2011 . In this general context, scientific work on water development and management has grown exponentially. Environmental input–output research has followed this tendency, energy), providing important insights to guide environmental .. On the basis of an inter-regional input–output model for Mexico, the INTERREGIONAL INPUT?OUTPUT: AN EMPIRICAL CALIFORNIA . 21 Mar 2013 . Netherlands Organisation for Applied Scientific Research , Delft , . The Netherlands b input–output (GMRIO) tables, models, and analysis. . MRIO tables comes from the environmental and the trade literature, it should be emphasized that the estimated interregional IOT is a multiregional table. In other