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electricity investments in Brazil; PART II Social, local and environmental impacts of changes in the energy market; 9 Climate change, energy use and long-run growth in Brazil; 10 Spatial interactions between energy and energy-intensive sectors in the Brazilian economy: a field of influence approach

11 Determinants of the income of workers in sugar cane plantations and in the sugar and ethanol industries in the North-Northeast and Center-South regions of Brazil

12 A framework for examining the impact of bio fuels on the poor in Brazil; 13 Bio fuels, food, and trade: a comparison of bio fuel development efforts in two communities in Illinois; 14 Oligopolistic behavior of Brazilian gas stations; PART III The impacts of bio and alternative fuels; 15 The journey to the next-generation of bioeconomy: the US perspective

16 Between sustainability and development: bioenergy, land use, food security and lifecycle analysis; 17 Bio energy efficiency and a flex-mill simulation in Mato Grosso; 18 The impacts of agriculture-based energy sources on land use in Brazil; 19 Fossil fuels, bio fuels, and food: ranking priorities; 20 The expansion of ethanol and land use in Brazil's Cerrado; 21 The viability of the biodiesel program as an instrument of social inclusion

22 The expansion of sugarcane cultivation and its impact on municipal revenues: an application of dynamic spatial panels to municipalities in the state of Sao Paulo, Brazil; PART IV Conclusions; 23 Conclusions; Index

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## Sommario/riassunto

This collection examines the important and topical issue of the economic, social and environmental implications of concerted attempts to diversify energy sources away from fossil fuels. The book expertly examines this issue by focussing on the contrasting experiences of two major economies; one developed, and the other a rapidly expanding, emerging market. Energy, Bio Fuels and Development evaluates the experience of Brazil, with elements of that of the US highlighted for the purpose of comparison. A key area of concern surrounds the causes and consequences of the con

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