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| Nota di contenuto | Chapter 1: Dynamics of Energy Transitions and Innovation Studies for Sustainability (Mauricio Uriona Maldonado) -- Chapter 2: System Dynamics Modelling for Green Business Model Innovation (Milton M. Herrera) -- Chapter 3: Towards a Green Technologies Index for Business Model Innovation (Alberto Méndez-Morales) -- Chapter 4: Coupling System Dynamics with Green Innovation for Energy Transitions (Milton M. Herrera, Mauricio Uriona Maldonado, Alberto Méndez-Morales) -- Chapter 5: Conclusion and Future Research (Alberto Méndez-Morales). |
| Sommario/riassunto | "This book provides a novel perspective and modelling-based solutions for energy transitions. The book is an essential read for decision makers and policymakers which seek sustainability transition." – Mauricio Becerra-Fernandez, Director of the Master in Smart and Sustainable Cities, Universidad del Rosario, Bogotá, Colombia. This |

book presents a dynamics model-based perspective for attaining the energy transitions by business model innovation. It examines how dynamic business modelling and innovation studies can assist in the sustainability transitions field, highlighting the role of technological innovation system (TIS) and dynamic performance management (DPM). In the last decade, renewables have operated in the context of emerging societal transitions. Indeed, one of the current challenges for the energy sector is to transform business models in tune with shifting societal and market conditions. This work shows how dynamic business modelling captures the feedbackloops and the behaviour of performance measures to contribute the energy transitions. Besides, this book offers an in-depth discussion on innovation measurement to designing index of green technology, which it will prove useful to those studying management sciences, energy, innovation, and sustainability. Milton M. Herrera is a Professor of Logistics and Business Management at the Faculty of Economic Sciences, Universidad Militar Nueva Granada, Colombia, where he is also Senior Research Fellow in system dynamics and the Director of Contemporary Studies Group in Organization Management at the Economic Sciences Research Centre. He has published in highlighted scientific journals such as Renewable Energy, Utilities Policy, Electricity Journal and Energy. He has a scientific interest in energy transitions, business model innovation, and supply chain performance.
