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Sommario/riassunto

This book is concerned with the study of climate change from the perspective of risks for the economy and business. Rethinking climate change from a risk perspective allows making a significant transition from the consideration of climate as a predetermined and permanent context to its interpretation as a factor that influences the economy and business. Thanks to the new risk perspective on climate change, the book offers opportunities and offers recommendations for adapting businesses and economic sectors to climate risks. As a forward-looking response (management measure) to the risks of climate change in the economy and business, this book suggests using smart green innovations in Industry 4.0 – high technologies in support of the sustainable development goals (SDGs). The advantage of smart technologies to combat climate change is their increased flexibility and adaptability, as well as the resistance of smart (automated, robotic) machines to different environmental conditions. The academic significance of the book is attributable to the fact that it covers, as widely and comprehensively as possible, the full range of ground-breaking smart green innovations in Industry 4.0 with a potential of climate change risk management: from green finance (for example, blockchain-based cryptocurrencies) to smart and clean energy, as well as smart industrial innovations in Industry 4.0. The combination of public and corporate risk management measures of climate change allows achieving a “synergetic effect” in the form of enhanced support for the implementation of the SDGs.