

1. Record Nr.	UNINA9910299444503321
Autore	Seo Sungno Niggol
Titolo	Micro-behavioral economics of global warming : modeling adaptation strategies in agricultural and natural resource enterprises // by S. Niggol Seo
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	9783319159461 3319159461
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (107 p.)
Collana	Advances in Global Change Research, , 1574-0919 ; ; 60
Disciplina	333.7
Soggetti	Climatic changes Biotic communities Sustainable development Climate Change Ecosystems Sustainable Development Climate Change/Climate Change Impacts
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Chapter 1 Introduction to the Micro-Behavioral Economics of Global Warming -- Chapter 2 The Theory of the Micro-Behavioral Economics of Global Warming -- Chapter 3 The G-MAP Models: Major Findings -- Chapter 4 Agro-Economic Models: Theory and Major Findings -- Chapter 5 Econometric Models of Yield Changes with Weather Shocks -- Chapter 6 Micro-Behavioral Decisions and Ecosystem Changes: A Multidisciplinary Integrated Framework -- Chapter 7 Wading into the Century of Global Warming and Adaptation Strategies.
Sommario/riassunto	This book presents a foundation for studying the micro-behavioral economics of global warming. The author develops an empirical model, named the Geographically-scaled Microeconometric model of Adapting Portfolios (G-MAP) in response to climatic changes and risks. The G-MAP model is applied to observed decisions of agricultural and natural

resource enterprises in Sub-Saharan Africa and South America. The author describes the five applications of the model: the G-MAP animal species, the G-MAP agricultural systems, the G-MAP natural resource enterprises, the G-MAP climate risk, and the G-MAP public adaptations. The micro-behavioral economics of global warming and the G-MAP models are evaluated against the three alternative modeling traditions: The first is the Agro-Economic Models (AEM) based on crop simulations of selected crops under elevated CO₂ conditions; The second is a family of econometric studies of grain yield changes caused by yearly weather fluctuations; The third is the Agro-Ecological Zone (AEZ) method hinged crucially on the AEZ classifications of ecosystems. The author offers a refreshing look at the traditional economics of global warming, unraveling a broad array of adaptation strategies adopted by managers of agricultural and natural resource enterprises in Sub-Saharan Africa and South America. The book demonstrates that the micro-behavioral economics dynamically integrates multiple disciplines in a cohesive way - including economics, psychology, climate science, ecosystem studies, agronomy, and animal science - into the decision-making framework of an individual agent. The G-MAP models provide a guide map of adaptation strategies for the humanity's enduring journey of battling global climatic changes in this century and beyond.
