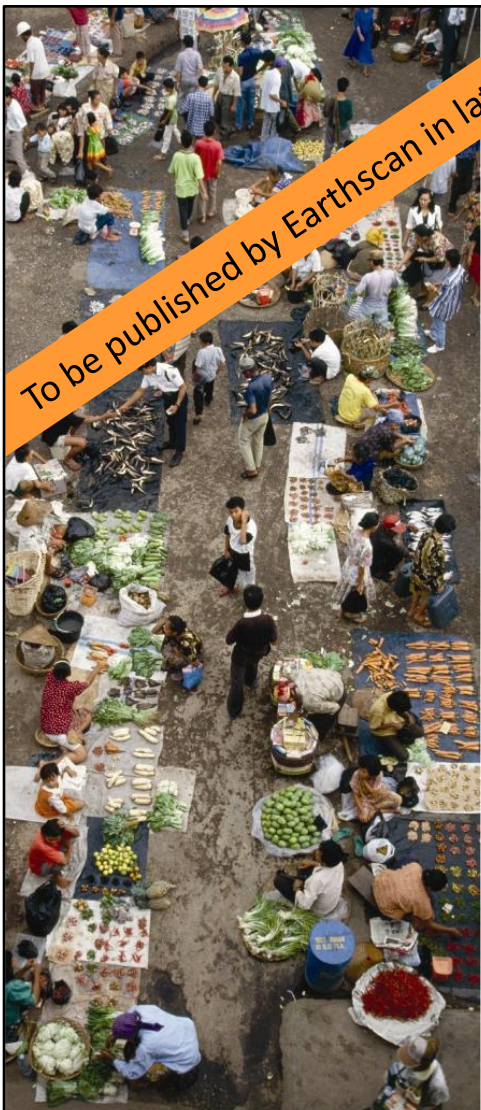


Global environmental change (GEC) represents an immediate and unprecedented threat to the food security of hundreds of millions of people, especially those who depend on small-scale agriculture for their livelihoods. As this book shows, at the same time, agriculture and related activities also contribute to GEC by e.g. intensifying greenhouse gas emissions and altering the land surface. Responses aimed at adapting to GEC may have negative consequences for food security, just as measures taken to increase food security may exacerbate GEC. The authors show that this complex and dynamic relationship between GEC and food security is also influenced by additional factors; food systems are heavily influenced by socioeconomic conditions, which in turn are affected by multiple processes such as macro-level economic policies, political conflicts and other important drivers.

The book provides a major, accessible synthesis of the current state of knowledge and thinking on the relationships between GEC and food security. Most other books addressing the subject concentrate on the links between climate change and agricultural production, and do not extend to an analysis of the wider food system which underpins food security; this book addresses the broader issues, based on a novel food system concept and stressing the need for actions at a regional, rather than just an international or local, level. It reviews new thinking which has emerged over the last decade, analyses research methods for stakeholder engagement and for undertaking studies at the regional level, and looks forward by reviewing a number of emerging 'hot topics' in the food security-GEC debate which help set new agendas for the research community at large.

The book will be available in both paperback (£24.99) and hardback (£85.00). Pre-orders may be made now through the Earthscan website: www.earthscan.co.uk



To be published by Earthscan in late 2010



**FOOD
SECURITY
AND
GLOBAL
ENVIRONMENTAL
CHANGE**

Edited by
**John Ingram, Polly Ericksen
and Diana Liverman**

Table of Contents

Preface

Section I Food Security, Food Systems and Global Environmental Change

Chapter 1 Food systems and the global environment: an overview (*Diana Liverman and Kamal Kapadia*)

Chapter 2 The value of a food system approach (*Polly Ericksen, Beth Stewart, Jane Dixon, David Barling, Philip Loring, Molly Anderson and John Ingram*)

Chapter 3 Lessons learned from international assessments (*Stanley Wood, Polly Ericksen, Beth Stewart, Philip Thornton and Molly Anderson*)

Chapter 4 Section 1 – Main Messages

Section II Vulnerability, Resilience and Adaptation in Food Systems

Chapter 5 Vulnerability and resilience of food systems (*Polly Ericksen, Hans-George Bohle and Beth Stewart*)

Chapter 6 What is vulnerable? (*Hallie Eakin*)

Chapter 7 Vulnerability to what? (*Alison Misselhorn, Hallie Eakin, Stephen Devereux, Scott Drimie, Siwa Msangi, Elisabeth Simelton and Mark Stafford Smith*)

Chapter 8 Adapting food systems (*Polly Ericksen, Beth Stewart, Siri Eriksen, Petra Tschakert, Rachel Sabates-Wheeler, Jim Hansen and Philip Thornton*)

Chapter 9 Section 2 – Main Messages

Section III Engaging Stakeholders

Chapter 10 The science – policy interface (*John Holmes, Gabriele Bammer, John Young, Mim Saxl and Beth Stewart*)

Chapter 11 Engaging stakeholders at the regional level (*John Ingram, Jens Andersson, Gabriele Bammer, Molly Brown, Ken Giller, Thomas Henrichs, John Holmes, James W. Jones, Rutger Schilpzand and John Young*)

Chapter 12 Section 3 – Main Messages

Section IV A Regional Approach

Chapter 13 Why regions? (*Diana Liverman and John Ingram*)

Chapter 14 Stakeholders’ approaches to regional food security research (*John Ingram and Kamal Kapadia*)

Chapter 15 Undertaking research at the regional level (*John Ingram and Anne-Marie Izac*)

Chapter 16 Section 4 – Main Messages

Section V Food Systems in a Changing World

Chapter 17 Food, Violence and Human Rights (*Hallie Eakin, Hans-Georg Bohle, Anne-Marie Izac, Anette Reenberg, Peter Gregory and Laura Pereira*)

Chapter 18 Governance Beyond the State: Non-state actors and food systems (*Rutger Schilpzand, Diana Liverman, David Tecklin, Ronald Gordon, Laura Pereira, Miriam Saxl and Keith Wiebe*)

Chapter 19 Green food systems for 9 billion (*Michael Obersteiner, Mark Stafford Smith, Claudia Hiepe, Mike Brklacich and Winston Rudder*)

Chapter 20 Surprises and Possibilities (*Alison Misselhorn, Andrew Challinor, Philip Thornton, James W. Jones, Rüdiger Schaldach and Veronique Plocq-Fichelet*)

Chapter 21 Section 5 – Main Messages

Chapter 22 Reflection on the Book (*Thomas Rosswall*)