## Contents

- List of figures, tables and boxes: ix
- List of contributors: xiii
- List of acronyms and abbreviations: xv

### Part I — Introduction

1. Characterizing the Science/Practice Gap  
   **Roger E. Kasperson**
   
2. Knowledge to Practice in the Vulnerability, Adaptation and Resilience Literature: A Propositional Inventory  
   **Rebecca Morgenstern Brenner**
   
3. Integrating Science and Practice for the Mitigation of Natural Disasters: Barriers, Bridges, Propositions  
   **Juergen Weichselgartner**
   
4. Linking Vulnerability, Adaptation and Resilience Science to Practice: Pathways, Players and Partnerships  
   **Coleen Vogel, Susanne C. Moser, Roger E. Kasperson and Geoffrey D. Dabelko**

### Part II — What Do We Know Now?

5. The US Climate Change Science Program  
   **Zachary Christman**
   
6. Linking Climate Change Science with Policy in California  
   **Guido Franco, Dan Cayan, Amy Luers, Michael Hanemann and Bart Croes**
7 Russia's Climate Policy and the Kyoto Ratification Deal: Assessing the Science/Practice Interface  
Elena Nikitina and Vladimir Kotov  

8 Urban and Social Vulnerability to Climate Variability in Tijuana, Mexico  
Roberto Sánchez-Rodríguez  

Part IV — The Science/Practice Gap: Global Perspectives  

9 Food Insecurity in South Africa  
Scott Drimie and Gina Ziervogel  

10 Science and Vulnerability Reduction in Taiwan after the 1999 Chi-Chi Earthquake  
Kuan-Hui Elaine Lin, Huei-Min Tsai and Chang-Yi David Chang  

11 Participatory Evaluation of Development Interventions in a Vulnerable African Environment  
Ton Dietz  

12 Science and Indigenous Knowledge in Resource Management in the Canadian Arctic  
Johanna Wandel, Barry Smit, Tristan Pearce and James Ford  

13 Reducing Vulnerability of Rural Communities in the Philippines: Modelling Social Links between Science and Policy  
Lilibeth Acosta-Michlik and Victoria Espaldon  

14 Addressing Vulnerability in the European Programme for Food Aid and Food Security: Knowledge Gaps, Obstacles and Opportunities Across the Science/Practice Interface  
Elia Machado  

15 Land in Transition: Coping with Market Forces in Managing Rangelands in Mongolia  
Togtohyn Chuluun and Dennis Ojima  

16 Managing Floods and Scarcity in a Monsoon Climate  
Louis Lebel, Po Garden and Phimphakan Lebel
Part V — Where Do We Go from Here?

17 Issues that Need to be Addressed: Assessing Experience
   Uno Svedin  421

18 Directions for Closing the Science/Practice Gap
   Roger E. Kasperon  427

Index  441