

Contents

1	Climate Change Adaptation in North America: A Short Review of Priorities.	1
	Walter Leal Filho	
Part I Climate Adaptation Management in Rural and Urban Areas		
2	Community Deliberation to Build Local Capacity for Climate Change Adaptation: The Rural Climate Dialogues Program	9
	C. Daniel Myers, Tara Ritter and Andrew Rockway	
3	A Participatory Process to Design Climate Change Adaptation Measures for the Carmen-Pajonal-Machona Lagoon System in Mexico.	27
	Valentina Giannini, Emiliano Ramieri, Margarita Caso Chávez, Karina Santos del Prado Gasca and Karla Priego Martínez	
4	Experimentalist Regional Governance for Climate Change Adaptation: A Canadian Case Study	51
	Nicole Klenk, Dragos Flueraru and James Ian MacLellan	
5	The Participative Action Research Approach to Climate Change Adaptation in Atlantic Canadian Coastal Communities	67
	Omer Chouinard, Steve Plante, Sebastian Weissenberger, Mélinna Noblet and Julie Guillemot	
6	Recent Harm, Problematic Impacts, and Socially Feasible Adaptation Options to Heatwaves and Heavy Rain Events in New York City	89
	Diana Reckien	

Part II Climate Change and the Built Environment

- 7 A Critical Discussion on the Roles of Institutions on Ports' Adaptation to the Impacts Posed by Climate Change 105**
Huiying Zhang, Adolf K.Y. Ng and Austin Becker
- 8 Beyond Restoration: Planting Coastal Infrastructure 119**
Rosetta S. Elkin
- 9 COREDAR for Cities: Developing a Capacity Building Tool for Sea-Level Rise Risk Communication and Urban Community-Based Adaptation 137**
A. Saleem Khan

Part III Conflicts and Synergies: Adaptation, Resilience and Multi-hazard Mitigation

- 10 A Region Under Threat? Climate Change Impacts, Institutional Change and Response of Local Communities in Coastal Yucatán 161**
Lysann Schneider and Tobias Haller
- 11 Designing for Future Uncertainties: Comparative Studies of Two Adaptive Strategies in Urban Design in New York and Sweden 177**
Sander Schuur
- 12 Designing with Risk: Balancing Global Risk and Project Risks. . . 193**
Matthijs Bouw
- 13 Coping with Higher Sea Levels and Increased Coastal Flooding in New York City 209**
Vivien Gornitz, Radley Horton, Daniel A. Bader, Philip Orton and Cynthia Rosenzweig
- 14 Building an Adaptation Tool for Visualizing the Coastal Impacts of Climate Change on Prince Edward Island, Canada. 225**
Adam Fenech, Alex Chen, Andrew Clark and Nick Hedley

Part IV Information, Communication, Education and Training on Climate Change

- 15 Effective Public Service Communication Networks for Climate Change Adaptation 241**
Rae Zimmerman

- 16 Speaking Out or Staying Quiet on Climate Change: Broadcast Meteorologists Influenced by the Need to Be Pithy, Popular and Politically Cautious** 261
Helen Meldrum, David Szymanski, Eric A. Oches
and P. Thompson Davis

Part V Climate Change, Planning and Health and Examples from Other Regions

- 17 Urban Planning to Prevent Mosquito-Borne Diseases in the Caribbean** 281
Derek W. Willis
- 18 Mental Health Impacts of Droughts: Lessons for the U.S. from Australia.** 289
Elisaveta P. Petkova, Anne S. Celovsky, Wei-Yann Tsai
and David P. Eisenman
- 19 Linking Science and Policy on Climate Change: The Case of Coquimbo Region, Chile.** 305
Sonia Salas, Angelo Araya and Andrés Bodini
- 20 Selection Support Framework Fostering Resilience Based on Neighbourhood Typologies** 321
Laura Kleerekoper, Jeroen Kluck and Andy van den Dobbela

Part VI Final Considerations

- 21 A Cross-Disciplinary Perspective on the Factors Shaping North American Adaptation Research.** 339
Jesse M. Keenan

- Erratum to: A Region Under Threat? Climate Change Impacts, Institutional Change and Response of Local Communities in Coastal Yucatán.** E1
Lysann Schneider and Tobias Haller

Climate Change Adaptation in North America
Fostering Resilience and the Regional Capacity to
Adapt

Leal Filho, W.; Keenan, J. (Eds.)

2017, XI, 354 p. 60 illus., 27 illus. in color., Hardcover

ISBN: 978-3-319-53741-2