

Contents

<i>Contributors</i>	<i>page ix</i>
<i>Preface</i>	<i>xiii</i>
1 Introduction	1
JEAN PALUTIKOF, SARAH BOULTER, DANIELA GUITART, AND DAVID JOHN KAROLY	
2 Climate change and disaster risk management: challenges and opportunities	6
MADELEINE C. THOMSON	
Part I Case Studies from North America	
A few words on Andrew W. Garcia	20
3 Hurricane Katrina and the city of New Orleans	21
ANDREW W. GARCIA	
4 A brief history of flooding and flood control measures along the Mississippi River basin	31
TIMOTHY M. KUSKY	
5 The 2003 and 2007 wildfires in southern California	42
JON E. KEELEY, ALEXANDRA D. SYPHARD, AND C. J. FOTHERINGHAM	
6 Adapting to extreme heat events: thirty years of lessons learned from the Kansas City, Missouri, extreme heat program	53
DAVID M. MILLS AND WILLIAM D. SNOOK	
Part II Case Studies from Australia	
7 Drought and water in the Murray-Darling basin: from disaster policy to adaptation	67
LINDA C. BOTTERILL AND STEPHEN DOVERS	

8	After 'Black Saturday': adapting to bushfires in a changing climate JOSHUA WHITTAKER, JOHN HANDMER, AND DAVID JOHN KAROLY	75
9	Cyclone Tracy and the road to improving wind-resistant design MATTHEW MASON, KATHARINE HAYNES AND GEORGE WALKER	87
10	Adaptation and resilience in two flood-prone Queensland communities DAVID KING, ARMANDO APAN, DIANE KEOGH, AND MELANIE THOMAS	95

Part III Case Studies from Europe

11	Windstorms, the most costly natural hazard in Europe UWE ULBRICH, GREGOR C. LECKEBUSCH, AND MARKUS G. DONAT	109
12	The 2003 heatwave: impacts, public health adaptation and response in France MATHILDE PASCAL, ALAIN LE TERTRE, AND KARINE LAAYDI	121
13	Lessons from river floods in central Europe, 1997–2010 ZBIGNIEW W. KUNDZEWICZ	128
14	Lessons learned from the North Sea flooding disaster in the Netherlands, 1953 PIER VELLINGA AND JEROEN AERTS	136

Part IV Case Studies from the Developing World

15	Adapting to drought in the West African Sahel SIMON P. J. BATTERBURY AND MICHAEL J. MORTIMORE	149
16	The 2004 Indian Ocean tsunami: Sri Lankan experience SAM S. L. HETTIARACHCHI AND W. PRIYAN S. DIAS	158
17	Recovery efforts: the case of the 2007 cyclone Sidr in Bangladesh BIMAL K. PAUL AND MUNSHI K. RAHMAN	167
18	Coffee, disasters and social-ecological resilience in Guatemala and Chiapas, Mexico HALLIE EAKIN, HELDA MORALES, EDWIN CASTELLANOS, GUSTAVO CRUZ-BELLO, AND JUAN F. BARRERA	174
19	Responding to floods in the Nile basin: a case study of the 1997–1998 floods in the Upper White Nile MARISA C. GOULDEN AND DECLAN CONWAY	181
20	Floods in the Yangtze River basin, China ZBIGNIEW W. KUNDZEWICZ, JIANG TONG, AND SU BUDA	190

Part V Synthesis Chapters

21 Disasters and development	199
JESSICA AYERS, SALEEMUL HUQ, AND SARAH BOULTER	
22 What next? Climate change as a game-changer for policy and practice	209
KAREN O'BRIEN AND THOMAS E. DOWNING	
23 Barriers and limits to adaptation: cautionary notes	223
JON BARNETT, COLETTE MORTREUX, AND W. NEIL ADGER	
24 Lessons learned for adaptation to climate change	236
SARAH BOULTER, JEAN PALUTIKOF, AND DAVID JOHN KAROLY	
25 Afterword: floods, storms, fire and pestilence – disaster risk in Australia during 2010–2011	252
DAVID JOHN KAROLY AND SARAH BOULTER	
<i>Index</i>	265