

Cambridge University Press 978-0-521-76485-8 - Adapting to Climate Change: Thresholds, Values, Governance Edited by W. Neil Adger, Irene Lorenzoni and Karen L. O'Brien Table of Contents More information

Contents

List	of contributors	<i>page</i> viii
Prej	face	xiii
1	Adaptation now	1
	W. Neil Adger, Irene Lorenzoni and Karen L. O'Brien	
Par	t I Adapting to thresholds in physical and ecological systems	23
2	Ecological limits of adaptation to climate change	25
	Garry Peterson	
3	Adapting to the effects of climate change on water supply reliability	y 42
	Nigel W. Arnell and Matthew B. Charlton	
4	Protecting London from tidal flooding: limits to engineering	
	adaptation	54
	Tim Reeder, Jon Wicks, Luke Lovell and Owen Tarrant	
5	Climate prediction: a limit to adaptation?	64
	Suraje Dessai, Mike Hulme, Robert Lempert and Roger Pielke, Jr	
6	Learning to crawl: how to use seasonal climate forecasts to	
	build adaptive capacity	79
	Anthony G. Patt	
7	Norse Greenland settlement and limits to adaptation	96
	Andrew J. Dugmore, Christian Keller, Thomas H. McGovern,	
	Andrew F. Casely and Konrad Smiarowski	
8	Sea ice change in Arctic Canada: are there limits to Inuit adaptation	n? 114
	James D. Ford	
Par	t II The role of values and culture in adaptation	129
9	The past, the present and some possible futures of adaptation	131
	Ben Orlove	
10	Do values subjectively define the limits to climate	
	change adaptation?	164
	Karen L. O'Brien	



Cambridge University Press 978-0-521-76485-8 - Adapting to Climate Change: Thresholds, Values, Governance Edited by W. Neil Adger, Irene Lorenzoni and Karen L. O'Brien Table of Contents More information

V1	Contents	
11	Conceptual and practical barriers to adaptation: vulnerability and responses to heat waves in the UK <i>Johanna Wolf, Irene Lorenzoni, Roger Few, Vanessa</i>	181
	Abrahamson and Rosalind Raine	
12	Values and cost-benefit analysis: economic efficiency	
	criteria in adaptation	197
	Alistair Hunt and Tim Taylor	
13	Hidden costs and disparate uncertainties: trade-offs	
	in approaches to climate policy	212
	Hallie Eakin, Emma L. Tompkins, Donald R. Nelson and	
	John M. Anderies	
14	Community-based adaptation and culture in theory and practice	227
	Jonathan Ensor and Rachel Berger	
15	Exploring the invisibility of local knowledge in decision-making:	
	the Boscastle Harbour flood disaster	240
	Tori L. Jennings	
16	Adaptation and conflict within fisheries: insights for living with	
	climate change	255
	Sarah Coulthard	
17	Exploring cultural dimensions of adaptation to climate change	269
	Thomas Heyd and Nick Brooks	
18	Adapting to an uncertain climate on the Great Plains: testing	
	hypotheses on historical populations	283
	Roberta Balstad, Roly Russell, Vladimir Gil and Sabine Marx	
19	Climate change and adaptive human migration: lessons from	
	rural North America	296
	Robert McLeman	
Par	t III Governance, knowledge and technologies	
for	adaptation	311
20	Whether our levers are long enough and the fulcrum strong?	
	Exploring the soft underbelly of adaptation decisions	
	and actions	313
	Susanne C. Moser	
21	Decentralized planning and climate adaptation: toward	
	transparent governance	335
	Timothy J. Finan and Donald R. Nelson	
22	Climate adaptation, local institutions and rural livelihoods	350
	Arun Agrawal and Nicolas Perrin	



Cambridge University Press 978-0-521-76485-8 - Adapting to Climate Change: Thresholds, Values, Governance Edited by W. Neil Adger, Irene Lorenzoni and Karen L. O'Brien Table of Contents More information

	Contents	vii
23	Adaptive governance for a changing coastline: science, policy and publics in search of a sustainable future	368
	Sophie Nicholson-Cole and Tim O'Riordan	
24	Climate change, international cooperation and adaptation in	20.4
	transboundary water management	384
	Alena Drieschova, Mark Giordano and	
	Itay Fischhendler	
25	Decentralization: a window of opportunity for successful	200
	adaptation to climate change?	399
	Maria Brockhaus and Hermann Kambiré	
26	Adapting to climate change in Sámi reindeer herding:	
	the nation-state as problem and solution	417
	Erik S. Reinert, Iulie Aslaksen, Inger Marie G. Eira,	
	Svein D. Mathiesen, Hugo Reinert and Ellen Inga Turi	
27	Limits to adaptation: analysing institutional constraints	433
	Tor Håkon Inderberg and Per Ove Eikeland	
28	Accessing diversification, networks and traditional resource	
	management as adaptations to climate extremes	448
	Marisa Goulden, Lars Otto Næss, Katharine Vincent	
	and W. Neil Adger	
29	Governance limits to effective global financial support	
	for adaptation	465
	Richard J. T. Klein and Annett Möhner	
30	Organizational learning and governance in adaptation	
	in urban development	476
	Marte Winsvold, Knut Bjørn Stokke, Jan Erling Klausen	
	and Inger-Lise Saglie	
31	Conclusions: Transforming the world	491
	Donald R. Nelson	
Ind	Index	