


CONTENTS

<i>List of contributors</i>	viii
<i>Preface and acknowledgements</i>	xii
1 Towards transformative change in the coastal commons <i>Derek Armitage, Anthony Charles and Fikret Berkes</i>	1
PART I	
Ingredients	23
2 Turning the tide: strategies, innovation and transformative learning at the Olifants estuary, South Africa <i>Merle Sowman</i>	25
3 Emergence of community science as a transformative process in Port Mouton Bay, Canada <i>Laura Loucks, Fikret Berkes, Derek Armitage and Anthony Charles</i>	43
4 Rights-based coastal ecosystem use and management: from open access to community-managed access rights <i>A. Minerva Arce-Ibarra, Juan Carlos Seijo, Maren Headley, Karla Infante-Ramírez and Raúl Villanueva-Poot</i>	60
5 Transformations of the reef, transformations of the mind: marine aquarium trade in Bali, Indonesia <i>James Barclay (Jack) Frey and Fikret Berkes</i>	81

6	The path to sustainable fisheries in Japan and the transformative impact of the Shiretoko World Natural Heritage Site <i>Eirini Ioanna Vlachopoulou and Mitsutaku Makino</i>	100
7	Community participation and adaptation to change in biosphere reserves: a review and a Mediterranean European coastal wetland case study (Delta du Rhone Biosphere Reserve, southern France) <i>Meriem Bouamrane, Raphael Mathevet, Harold Levrel, Heather Huntington and Arun Agrawal</i>	120
PART II		
	Opportunities	139
8	Navigating the transformation to community-based resource management <i>Jessica Blythe, Philippa Cohen, Kirsten Abernethy and Louisa Evans</i>	141
9	Navigating from government-centralised management to adaptive co-management in a marine protected area, Paraty, Brazil: turbulence, winds of opportunity and progress towards transformation <i>Cristiana Simão Seixas, Ana Carolina Esteves Dias and Rodrigo Rodrigues de Freitas</i>	157
10	Koh Pitak: a community-based environment and tourism initiative in Thailand <i>Philip Dearden, Dachanee Emphandhu, Supawinee Songpornwanich and Amnat Ruksapol</i>	181
11	<i>Sasi laut</i> in Maluku: transformation and sustainability of traditional governance in the face of globalisation <i>Ahmad Mony, Arif Satria and Rilus A. Kinseng</i>	198
12	The messy intertidal zone: transformation of governance thinking for coastal Nova Scotia <i>Jennifer Graham and Anthony Charles</i>	211



*Derek Armitage, Steve Alexander, Mark Andrachuk,
Samantha Berdej, Shandel Brown, Prateep Nayak, Jeremy Pittman
and Kaitlyn Rathwell*

- 14 Synthesis: governing coastal transformations 252
Derek Armitage, Fikret Berkes and Anthony Charles

Index 266