## **Contents**

	List of	figures	хi	
	List of	tables	xii	
	List of	contributors	xiii	
	Ackno	owledgements	xv	
	Introd	uction	xvii	
1		ng and debating the problem Blaikie and Harold Brookfield	1	
	1	Land degradation and society: initial statements	1	
	2	Definitions of value, capability and degradation	4	
	3		7	
	4	Conceptualizing the role of land management	10	
	5		13	
	6	The approach adopted in this book	15	
	7		19	
	8		23	
	9	The social scientist's contribution: the need for open		
		minds	24	
	10	Summary and conclusion	26	
2		aches to the study of land degradation Blaikie and Harold Brookfield	27	
	1	Chains of explanation	27	
	2	Population and land degradation	27	
	3	Behavioural questions and their context	34	
	4	The erosion problem in crowded Nepal – crisis of		
		environment or crisis of explanation?	37	
3	Meast	uring land degradation	49	
	Mike Stocking			
	1	Introduction	49	
	2	Problems of measuring land degradation	51	
	3	Types of measurement of land degradation	56	

		<b>4</b> 5	The case of erosion-induced loss of soil productivity Conclusion	61 63
4			ion-making in land management Blaikie and Harold Brookfield	64
	2 20	1	Scale: spatial and temporal	64
		2	Land management: who is the manager?	74
		3	Conclusion	83
5	Ecc	ono	mic costs and benefits of degradation and its	0.4
	repair			84
	A		sues in the economic evaluation of soil	
			nd water conservation programmes  avid Seckler	84
		1	Introduction: conceptual and empirical issues in soil	
			and water conservation	84
		2	Basic economic concepts	87
		3	The agricultural benefits of SWC programmes	91
		4	The costs of SWC programmes: estimating the labour	
			requirements of bench terracing	93
		5	Estimating external costs and benefits	95
		6	Conclusion	96
	B		n measurement and policy, scientific method and	97
			eality iers Blaikie and Harold Brookfield	21
6	Co Pic	lor	nialism, development and degradation  Blaikie and Harold Brookfield	100
		1	Introduction	100
		2	The contradictions of colonialism	101
		3	The impact of colonial rule on land management in	
			Africa	105
		4	The colonial state and the degradation problem	110
		5		111
		6	Colonialism, capitalism and the hills	113
		7		120
7	Q۱	ıes	tions from history in the Mediterranean and	
			ern Europe	122
	Pı		Blaikie and Harold Brookfield  The longer view and its implications for analysis	122
		- 1	THE RUISEL VIEW AND ITS IMPLICATIONS FOR WINLY SEE	

		2 Erosion in the Mediterranean: human or natural?	123
		3 Northern and eastern France in the eighteenth century	126
		4 Questions over a longer history in western Europe	137
		5 Conclusion	140
-25 -25	_		140
8		gradation under pre-capitalist social systems	143
	A	Degradation and adaptive land management in the ancient Pacific	143
			143
		Piers Blaikie and Harold Brookfield, with William Clarke	
	ТО	Degradation and a pre-capitalist political economy:	
	В	the case of the New Guinea highlands	145
			143
		Bryant Allen and Robert Crittenden	145
		1 Argument and background	151
		<ul><li>The conditions of degradation</li><li>The Kakoli case and some other evidence</li></ul>	151
		4 Conclusion	155
		4 Conclusion	133
•	N.F.	and malitime in the	
9		nnagement, enterprise and politics in the velopment of the tropical rain forest lands	157
	A	From forest and grass into cropland	157
	Λ	Piers Blaikie and Harold Brookfield	137
		1 Relevant questions	157
		2 Peasants, planters and settlers	159
		3 Conclusion	163
	В	Degradation, innovation and social welfare in the	100
		Riam Kiwa valley, Kalimantan, Indonesia	164
		Lesley Potter	
		1 Introduction	164
		2 Three communities compared	169
		3 Discussion	173
		4 Does degradation matter? And for whom?	175
	C	Land mismanagement and the development	
		imperative in Fiji	176
		William Clarke, with John Morrison	
		1 The expansion of cultivation and degradation	176
		2 Institutional and structural factors	179
		3 Adaptive land management: institutional consciousness	
		and implementation	181
		A The political dimension	184

10	The	e degradation of common property resources	186
	A	Common property resources and degradation	
		worldwide	186
		Piers Blaikie and Harold Brookfield	
		1 Common property resources – a definition	186
		2 Modelling the management of CPRs	188
		3 CPRs, private property resources and the state	190
		4 Pressures on CPRs	192
	В	A case study of the degradation of common	
		property resources in India	196
		Narpat Jodha	
		1 Introduction	196
		2 Decline of CPRs	198
		3 Factors underlying CPR degradation	203
		4 Consequences of CPR decline	205
		, 3, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	
11	La	nd degradation in socialist countries	208
	A	Socialism and the environment	208
		Piers Blaikie and Harold Brookfield	
		1 Is there a distinctive socialist environmental	
		management?	208
		2 Socialist ideology and the environment	209
		3 Land management and degradation in the USSR	211
	В	Land degradation in China: an ancient problem	
		getting worse	214
		Vaclav Smil	
		1 The Great Leap Forward to destruction	214
		2 The new transformation of China and its consequences	220
12	TЪ	e farmer, the state and the land in developed	
14		arket economies	223
	A	New conservation crisis in the 'North'?	223
	А	Piers Blaikie and Harold Brookfield	
		1 Reasons for concern	223
		2 Conservation in the United States of America	224
		3 Structural changes and their consequences	227
		4 New trends	228
	В	The sociology and politics of land degradation in	
	D	Australia	232
			252
		Judy Messer  1 An historical overview	232
		1 All Historical overview	252

	2	The current status of agrarian land use in Australia	234
	3	Conclusion	238
13	Retro	spect and prospect	239
	<b>Piers</b>	Blaikie and Harold Brookfield	
	1	Concluding comments on the book's approach	239
	2	Some conclusions from case material	240
	3	Ways forward	241
	4	The earth does not abide	248
	References		
	Index		285