## **Contents**

Abbreviations Acknowledgements Preface		viii ix xi
1.	A story of dead sheep	1
	Introducing a paradox	4
2.	Anthropology and development	7
	An uneasy relationship Participatory and indigenous knowledge approaches	7 9
3.	In the parish of the poor	13
	Living in Zumbahua	15
	Ecology and economy	18
	History of Zumbahua	19
	The community of Michacala	22
	Labour organization	24
	Kin	27
	Agrarian structure	28
	Livestock economy	29
	Conclusion	31
4.	Views on the environment	34
	A scientific view of nature	35
	Climate and altitude	35
	Geography	37
	A Michacalan view of environmental forces	39
	Evil wind	41
	Taken-by-the-mountain	42
	Tingu	44
	Conditions for a good harvest	45
5.	Veterinary and indigenous models of sheep management	51
	Veterinary views of sheep breeding	55
	Genetic selection	55
	Nutrition	56
	Management practices	58
	Sheep health	61
	A critical review	64
	An indigenous model of sheep health	67
	Rainbow	67
	Bad luck	69

Sinister person Witchcraft 71

72

## Hungry for Hope

Principles of the indigenous model	73
Testing the model: protective witchcraft	76
Conclusion	79
6. Hungry for Hope: on the cultural and communicative	<b>:</b>
dimensions of development	82
The rationality debate	82
Dialogue and change	85
Communicative rationality	87
Getting hungry for hope	91
Notes	
Glossary	
Sources	
References	

## Figures, Maps and Tables

Figure 1.	Land use in Michacala	29
	Ombrothermic diagram of Michacala	30
	Four conditions for communicative action	89
Map 1.	Location of the parish of Zumbahua in Ecuador	14
Table 1.	Average family income in Michacala	19
Table 2.	Average animal holding per household	3
Table 3.	Private and boarded animals in Michacala	3
Table 4.	Nutritional value of forage species	5
Toble 5	Sheen illnesses treatments and efficiency	6