# Contents

ABSTRACT V
ACKNOWLEDGMENTS vii
Introduction ix
Chapter 1 Persuading the Proponent of the Need for EA 1
Chapter 2
Predicting Adverse Impacts 3
EA Timing 4
EA Budget 5
Fielding Appropriate Disciplines 5
Agreeing on Each Measure in the EMP 6
Chapter 3
Securing Implementation Budget 9
Decentralization 11
Privatization 11
Chapter 4
Implementive Capacity 13
Chapter 5
Participation 17
Social Assessment 18
Chapter 6
Monitoring, Evaluation, and Audit 21

Sectoral EA 26

Chapter 7
Analysis of Alternatives 25

## Chapter 8

## Conclusions 29

Other Conclusions 29

# Guide to further sources of information 31

#### **Boxes**

- 1 Running Definition of EA ix
- 2 Internalizing Negative Environmental Externalities 4
- 3 The Need to Rank Environmental Impacts 5
- 4 Case Example Burkina Faso Ouagadougou Water Supply Project 5
- 5 Case Example: Thailand's Pak Mun Hydro 8
- 6 India: Shrimp and Fish Culture Project 10
- 7 Implementation Impeded by Inflation and Wet Seasons 11
- 8 "Clean Island in Dirty Ocean" 17
- 9 The Evolution of Public Participation: Warning, through Consultation and Participation to Partnership – The Hydro Case 23
- 10 Case Example: Mali The Selingue Dam 23
- 11 Laos: Nam Theun Hydro Analysis of Alternatives 26
- 12 Future Directions of EA 30

## **Figures**

- 1 The Environmental Management Process 1
- 2 Cost of EA relative to total project cost 10
- 3 The Old "Approval" EA System 14
- 4 New Style EA Emphasis: From Assessment to Implementation 15
- 5 The Three Main Environmental Units 16
- 6 Examples of Poverty/Environmental Linkages 22

### **Tables**

- 1 Historical evolution of transparency and participation: Broadening the constituency of EA design teams—The case of Hydro 7
- 2 Components of EA Report 18
- 3 Environmental and Social Assessments 19