

Contents

List of Tables	9
List of Figures.....	11
I Introduction	13
1 Observations, Questions, Relevance	13
2 State of Research	16
3 Map of Argument and Outline	18
II Demand for and Supply of Environmental Cooperation	27
1 Environmental Situation and Development	27
2 Six Exigent Transnational Environmental Problems	28
3 Typical Characteristics of Developing Areas	32
3.1 Socio-Economy	32
3.2 Environmental Governance	33
4 ASEAN – A Distinct Feature of Southeast Asia	34
5 Regime Creation	38
5.1 Assumptions and Expectations	38
5.2 Identified Regimes	42
III Regime Theory	45
1 Regimes and International Relations	45
2 Definition	46
3 Functions	47

4 Evolution of (Environmental) Regime Theory	47
5 Regime Effectiveness (dependent variable)	50
5.1 Definition of Effectiveness	50
5.2 Analytical Dimensions	52
5.2.1 Impact Effectiveness: Problem-solving	52
5.2.2 Institutional Effectiveness: Behavioral Change	52
6 Theoretical Assumptions (independent variables)	53
6.1 Actors and the International System	54
6.2 Premises of Regime Creation	55
6.3 Configuration and Interplay of Variables	56
6.4 Variable 1: Problem Structure	57
6.4.1 Benign and Malign Problems	57
6.4.2 Vulnerability and Abatement Costs	58
6.4.3 Game-theoretical Constellations	61
6.5 Variable 2: Problem-Solving Capacity	64
6.5.1 Compliance Mechanisms	65
6.5.2 Available Resources	67
6.5.3 Decision-Making Rules and Actor Capacity	68
6.6 Alternative Theoretical Approaches	69
6.6.1 Relative Gains and Hegemonic Power	69
6.6.2 Learning Effects and Epistemic Communities	72
7 Hypotheses - Overview	74
IV Methodology	75
1 Case Study Research	75
2 Case Selection	77
3 Measurement Strategy	79
4 Operationalization	81
5 (Un)expected Difficulties	85
5.1 Definitorial Ambiguities	85
5.2 The Inevitability of Making Causal Statements	85
5.3 Debated Measurement Parameters	86
5.4 Data Sorrows	87
V Case Study One: Transboundary Haze Pollution	89

1 Introduction to the Problem	89
1.1 Haze Pollution	89
1.2 Demand for Cooperation	93
2 Problem Structure	95
2.1 Problems of Negative Externalities	95
2.2 Problem Complexity	97
2.3 Vulnerability and Abatement Costs	99
2.4 Results: Actors' Constellations	103
2.4.1 Position of Actors in the Haze Regime	103
2.4.2 Problem Malignancy	105
3 Problem-Solving Capacity of the Regime	108
3.1 Composition of the Haze Regime	108
3.2 The ASEAN Agreement and its Predecessors	109
3.3 The Problem of Indonesia's (non-)Ratification	112
3.4 Provisions of the Agreement	113
3.4.1 General Provisions	113
3.4.2 Institutional Arrangements	114
3.4.3 Proposed Measures	115
3.5 Compliance Mechanisms	116
3.6 Available Resources	119
3.7 Decision-Making Rules and Actor Capacity	123
4 Assessment of Regime Effectiveness	125
4.1 Actual Performance Compared to Collective Optimum	126
4.2 Actual Performance Compared to No-Regime Counterfactual	133
5 Case Summary	137
VI Case Study Two: Common Use of the Mekong	139
1 Introduction to the Problem	139
1.1 Mekong: The Mother of Rivers	139
1.2 Socio-Economy of the Riparian Countries	141
1.3 Demand for Cooperation	143
1.4 Thematic Scope of Analysis: Hydropower Development	145
2 Problem Structure	146
2.1 Problems of Common Pool Resources	146
2.2 One, Two, Three Regimes?	147
2.3 Problem Complexity	149
2.4 Vulnerability and Abatement Costs	150

2.4.1 Upstream-Downstream Asymmetry	150
2.4.2 Economic Importance of the Mekong	152
2.5 Results: Actors' Constellations	156
2.5.1 Position of Actors	156
2.5.2 Problem Malignancy	158
3 Problem-Solving Capacity	161
3.1 Composition and Development of the Mekong Regime	161
3.2 Institutional Set-up	163
3.2.1 Statute of the Mekong River Commission	163
3.2.2 Organizational Structure	164
3.3 Determinants of Effectiveness	167
3.3.1 Compliance Mechanisms	167
3.3.2 Available Resources	170
3.3.3 Decision-Making Rules and Actor Capacity	173
4 Assessment of Regime Effectiveness	177
4.1 Actual Performance Compared to Collective Optimum	177
4.2 Actual Performance Compared to No-Regime Counterfactual	183
5 Case Summary	186
VII Comparison and Reflection: a Conclusion	189
References	201
1 Monographs, Chapters and Journal Articles	201
2 Documents, Reports, Multimedia	212
3 Newspapers	215
4 Interviews	216