Contents

| Lis | t of Co | ntributors | page x |
|-----|----------|------------------------------------------------------------------|--------|
| Pre | eface ar | nd Acknowledgments | xi |
| Lis | t of Abi | breviations | xiv |
| 1 | Intro | duction: State and Non-state Relations in Governing toward | |
| | | rbonization | 1 |
| | 1.1 | Why Collaborative Climate Governance Matters | |
| | | in a Global Context | 5 |
| | 1.2 | Aim of the Book | 7 |
| | 1.3 | Theoretical, Methodological, and Empirical Contributions | 8 |
| | | Key Terms and Concepts | 10 |
| | | Structure of the Book | 12 |
| | Refe | rences | 15 |
| 2 | The I | Interplay between the State and Non-state Actors in the Governan | ce |
| | | ecarbonization: An Analytical Framework | 18 |
| | | Introduction | 18 |
| | | Governing toward Decarbonization: A Political Challenge | 20 |
| | | 2.2.1 Distinguishing Transitions from Transformations | 21 |
| | | 2.2.2 Carbon Lock-ins and Roadblocks to Decarbonization | 22 |
| | 2.3 | Collaborative Climate Governance: Interactions between | |
| | | the State and Non-state Actors | 24 |
| | | 2.3.1 Regulation | 26 |
| | | 2.3.2 Orchestration | 27 |
| | | 2.3.3 Lobbying and Advocacy Strategies | 28 |
| | | 2.3.4 Contestation | 29 |

vi Contents

| | 2.4 | Evaluating Collaborative Climate Governance: Effectiveness, | |
|---|-------|--------------------------------------------------------------------------------------------------------------------------------|----------|
| | | Legitimacy, and Justice | 30 |
| | | 2.4.1 Effectiveness | 31 |
| | | 2.4.2 Legitimacy | 32 |
| | | 2.4.3 Justice | 33 |
| | 2.5 | Conclusion | 34 |
| | Refe | rences | 35 |
| 3 | Swed | len's Emissions and Climate Policy in an International Context | 41 |
| | 3.1 | Introduction | 41 |
| | 3.2 | Greenhouse Gas Emission Trends in Sweden | 42 |
| | 3.3 | Implications of the EU's Climate and Energy Policy for Sweden's | |
| | | Decarbonization | 46 |
| | | 3.3.1 EU Climate Policy and the Role of Sweden | 47 |
| | | 3.3.2 The Interconnection of Sweden's Climate Policy with | |
| | | the EU's Policy Instruments | 49 |
| | 3.4 | Sweden's Role in International Climate Collaboration and Clubs: | |
| | | Beyond the EU | 51 |
| | 3.5 | Sweden's Frontrunner Role: Three Cautionary Tales | 54 |
| | | 3.5.1 Performance and Leadership: Past Successes versus Future | 55 |
| | | Uncertainties 3.5.2 Accounting: Production-versus Consumption-Based Emissions | 56 |
| | | 3.5.2 Accounting: Froduction-versus Consumption-based Emissions 3.5.3 Reproducibility: Should Other Countries Emulate Sweden's | 50 |
| | | Climate Policies? | 57 |
| | 3.6 | Conclusion | 58 |
| | | rences | 60 |
| 4 | D 114 | | |
| 4 | | ics and Governance of Sweden's Transformation toward sil-Free Welfare State | (2 |
| | | Introduction | 63 63 |
| | | | |
| | | Ambitious Goals of Decarbonization versus Incremental Transition | 65 |
| | | State-Led Transformations | 68 |
| | 4.4 | Governing Decarbonization in Sweden: Institutional, Economic, | |
| | | Technological, and Behavioral Transformation | 72 |
| | | 4.4.1 Institutional Transformation | 75 |
| | | 4.4.2 Technological Transformation 4.4.3 Economic Transformation | 77 80 |
| | | 4.4.4 Behavioral Transformation | 82 |
| | 4.5 | Carbon Lock-Ins | 85 |
| | 7.3 | 4.5.1 Institutional Lock-In | 85 |
| | | 4.5.2 Technological Lock-In | 88 |
| | | 4.5.3 Behavioral Lock-In | 90 |

| 4.6 Conclusion References Climate Networks to the Rescue? Exploring Stakeholder Perceptions of the Effectiveness of Collaborative Climate Governance 5.1 Introduction 5.2 Evaluating the Contributions of Climate Networks 5.3 Swedish Climate Networks 5.3.1 Overview of Climate Networks 5.3.2 Expectations 5.4 Methods 5.5 How Climate Networks Are Perceived to Affect Sweden's Decarbonization 5.5.1 Main Driving Force of Decarbonization in Sweden 5.5.2 Different Types of Governance Compared 5.5.3 Motivations for Joining Climate Networks 5.5.4 Impact of Climate Networks 5.5.5 Recognition of Climate Networks 5.5.6 Perceptions of Effectiveness 5.6 Discussion and Conclusions References All Aboard? Inclusiveness in Collaborative Governance among Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | | Contents | vii |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------|------------|
| Climate Networks to the Rescue? Exploring Stakeholder Perceptions of the Effectiveness of Collaborative Climate Governance 5.1 Introduction 5.2 Evaluating the Contributions of Climate Networks 5.3 Swedish Climate Networks 5.3.1 Overview of Climate Networks 5.3.2 Expectations 5.4 Methods 5.5 How Climate Networks Are Perceived to Affect Sweden's Decarbonization 5.5.1 Main Driving Force of Decarbonization in Sweden 5.5.2 Different Types of Governance Compared 5.5.3 Motivations for Joining Climate Networks 5.5.4 Impact of Climate Networks 5.5.5 Recognition of Climate Networks 5.5.6 Perceptions of Effectiveness 5.6 Discussion and Conclusions References 6 All Aboard? Inclusiveness in Collaborative Governance among Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | 4.6 Conclusion | | 90 |
| of the Effectiveness of Collaborative Climate Governance 5.1 Introduction 5.2 Evaluating the Contributions of Climate Networks 5.3 Swedish Climate Networks 5.3.1 Overview of Climate Networks 5.3.2 Expectations 5.4 Methods 5.5 How Climate Networks Are Perceived to Affect Sweden's Decarbonization 5.5.1 Main Driving Force of Decarbonization in Sweden 5.5.2 Different Types of Governance Compared 5.5.3 Motivations for Joining Climate Networks 5.5.4 Impact of Climate Networks 5.5.5 Recognition of Climate Networks 5.5.6 Perceptions of Effectiveness 5.6 Discussion and Conclusions References 6 All Aboard? Inclusiveness in Collaborative Governance among Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | References | | 93 |
| 5.1 Introduction 5.2 Evaluating the Contributions of Climate Networks 5.3 Swedish Climate Networks 5.3.1 Overview of Climate Networks 5.3.2 Expectations 5.4 Methods 5.5 How Climate Networks Are Perceived to Affect Sweden's Decarbonization 5.5.1 Main Driving Force of Decarbonization in Sweden 5.5.2 Different Types of Governance Compared 5.5.3 Motivations for Joining Climate Networks 5.5.4 Impact of Climate Networks 5.5.5 Recognition of Climate Networks 5.5.6 Perceptions of Effectiveness 5.6 Discussion and Conclusions References All Aboard? Inclusiveness in Collaborative Governance among Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | Climate Networks to | the Rescue? Exploring Stakeholder Perception | 1S |
| 5.2 Evaluating the Contributions of Climate Networks 5.3 Swedish Climate Networks 5.3.1 Overview of Climate Networks 5.3.2 Expectations 5.4 Methods 5.5 How Climate Networks Are Perceived to Affect Sweden's Decarbonization 5.5.1 Main Driving Force of Decarbonization in Sweden 5.5.2 Different Types of Governance Compared 5.5.3 Motivations for Joining Climate Networks 5.5.4 Impact of Climate Networks 5.5.5 Recognition of Climate Networks 5.5.6 Perceptions of Effectiveness 5.6 Discussion and Conclusions References All Aboard? Inclusiveness in Collaborative Governance among Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | f the Effectiveness o | of Collaborative Climate Governance | 96 |
| 5.3 Swedish Climate Networks 5.3.1 Overview of Climate Networks 5.3.2 Expectations 5.4 Methods 5.5 How Climate Networks Are Perceived to Affect Sweden's Decarbonization 5.5.1 Main Driving Force of Decarbonization in Sweden 5.5.2 Different Types of Governance Compared 5.5.3 Motivations for Joining Climate Networks 5.5.4 Impact of Climate Networks 5.5.5 Recognition of Climate Networks 5.5.6 Perceptions of Effectiveness 5.6 Discussion and Conclusions References All Aboard? Inclusiveness in Collaborative Governance among Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | 5.1 Introduction | | 96 |
| 5.3 Swedish Climate Networks 5.3.1 Overview of Climate Networks 5.3.2 Expectations 5.4 Methods 5.5 How Climate Networks Are Perceived to Affect Sweden's Decarbonization 5.5.1 Main Driving Force of Decarbonization in Sweden 5.5.2 Different Types of Governance Compared 5.5.3 Motivations for Joining Climate Networks 5.5.4 Impact of Climate Networks 5.5.5 Recognition of Climate Networks 5.5.6 Perceptions of Effectiveness 5.6 Discussion and Conclusions References All Aboard? Inclusiveness in Collaborative Governance among Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | 5.2 Evaluating the | Contributions of Climate Networks | 98 |
| 5.3.1 Overview of Climate Networks 5.3.2 Expectations 5.4 Methods 5.5 How Climate Networks Are Perceived to Affect Sweden's Decarbonization 5.5.1 Main Driving Force of Decarbonization in Sweden 5.5.2 Different Types of Governance Compared 5.5.3 Motivations for Joining Climate Networks 5.5.4 Impact of Climate Networks 5.5.5 Recognition of Climate Networks 5.5.6 Perceptions of Effectiveness 5.6 Discussion and Conclusions References 6 All Aboard? Inclusiveness in Collaborative Governance among Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | _ | | 100 |
| 5.4 Methods 5.5 How Climate Networks Are Perceived to Affect Sweden's Decarbonization 5.5.1 Main Driving Force of Decarbonization in Sweden 5.5.2 Different Types of Governance Compared 5.5.3 Motivations for Joining Climate Networks 5.5.4 Impact of Climate Networks 5.5.5 Recognition of Climate Networks 5.5.6 Perceptions of Effectiveness 5.6 Discussion and Conclusions References All Aboard? Inclusiveness in Collaborative Governance among Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | | | 100 |
| 5.5 How Climate Networks Are Perceived to Affect Sweden's Decarbonization 5.5.1 Main Driving Force of Decarbonization in Sweden 5.5.2 Different Types of Governance Compared 5.5.3 Motivations for Joining Climate Networks 5.5.4 Impact of Climate Networks 5.5.5 Recognition of Climate Networks 5.5.6 Perceptions of Effectiveness 5.6 Discussion and Conclusions References All Aboard? Inclusiveness in Collaborative Governance among Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | 5.3.2 Expectati | ions | 102 |
| Decarbonization 5.5.1 Main Driving Force of Decarbonization in Sweden 5.5.2 Different Types of Governance Compared 5.5.3 Motivations for Joining Climate Networks 5.5.4 Impact of Climate Networks 5.5.5 Recognition of Climate Networks 5.5.6 Perceptions of Effectiveness 5.6 Discussion and Conclusions References All Aboard? Inclusiveness in Collaborative Governance among Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | 5.4 Methods | | 104 |
| 5.5.1 Main Driving Force of Decarbonization in Sweden 5.5.2 Different Types of Governance Compared 5.5.3 Motivations for Joining Climate Networks 5.5.4 Impact of Climate Networks 5.5.5 Recognition of Climate Networks 5.5.6 Perceptions of Effectiveness 5.6 Discussion and Conclusions References All Aboard? Inclusiveness in Collaborative Governance among Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | 5.5 How Climate N | Networks Are Perceived to Affect Sweden's | |
| 5.5.2 Different Types of Governance Compared 5.5.3 Motivations for Joining Climate Networks 5.5.4 Impact of Climate Networks 5.5.5 Recognition of Climate Networks 5.5.6 Perceptions of Effectiveness 5.6 Discussion and Conclusions References All Aboard? Inclusiveness in Collaborative Governance among Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | Decarbonizatio | on | 105 |
| 5.5.3 Motivations for Joining Climate Networks 5.5.4 Impact of Climate Networks 5.5.5 Recognition of Climate Networks 5.5.6 Perceptions of Effectiveness 5.6 Discussion and Conclusions References All Aboard? Inclusiveness in Collaborative Governance among Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | | • | 105 |
| 5.5.4 Impact of Climate Networks 5.5.5 Recognition of Climate Networks 5.5.6 Perceptions of Effectiveness 5.6 Discussion and Conclusions References All Aboard? Inclusiveness in Collaborative Governance among Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | | * * | 106 |
| 5.5.5 Recognition of Climate Networks 5.5.6 Perceptions of Effectiveness 5.6 Discussion and Conclusions References All Aboard? Inclusiveness in Collaborative Governance among Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | | • | 107 |
| 5.5.6 Perceptions of Effectiveness 5.6 Discussion and Conclusions References 6 All Aboard? Inclusiveness in Collaborative Governance among Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | - | | 108 |
| 5.6 Discussion and Conclusions References All Aboard? Inclusiveness in Collaborative Governance among Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | | | 109 111 |
| All Aboard? Inclusiveness in Collaborative Governance among Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | - | | 111 |
| All Aboard? Inclusiveness in Collaborative Governance among Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | | Conclusions | 117 |
| Swedish Municipalities 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | tererences | | 117 |
| 6.1 Introduction 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | All Aboard? Inclusive | eness in Collaborative Governance among | |
| 6.2 How Municipalities Play a Role in Sweden's Transformation toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | wedish Municipaliti | les | 119 |
| toward a Fossil-Free Welfare State 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | 6.1 Introduction | | 119 |
| 6.2.1 Climate Networks as Collaborative Governance 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | 6.2 How Municipa | lities Play a Role in Sweden's Transformation | |
| 6.2.2 Research Approach 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | toward a Fossil | l-Free Welfare State | 120 |
| 6.3 The Landscape of Municipal Emissions and Voluntary Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | 6.2.1 Climate N | Networks as Collaborative Governance | 122 |
| Commitments in City Networks 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | | | 125 |
| 6.3.1 Participation by Municipalities in City Networks 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | 6.3 The Landscape | of Municipal Emissions and Voluntary | |
| 6.3.2 Greenhouse Gas Emissions by Swedish Municipalities 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | | | 125 |
| 6.4 Swedish Municipalities' Climate Action and Its Implication for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | | | 126 |
| for Decarbonization 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | | * | 129 |
| 6.4.1 The Patchy Landscape of Municipal Climate Action 6.4.2 The Political Consequences of Unequal Contributions 6.5 Conclusion: Advancing Action and Capturing Momentum References | | • | |
| 6.4.2 The Political Consequences of Unequal Contributions6.5 Conclusion: Advancing Action and Capturing Momentum References | | | 130 |
| 6.5 Conclusion: Advancing Action and Capturing Momentum References | | • | 130 |
| References | | • | 133 |
| | | avancing Action and Capturing Momentum | 134 |
| Zeroing In on Cities: The Politics of Aspiration and Delay | tererences | | 135 |
| | Zeroing In on Cities: | The Politics of Aspiration and Delay | |
| in Net-Zero Emission Targets of Swedish Municipalities | n Net-Zero Emission | Targets of Swedish Municipalities | 139 |

viii Contents

| | 7.1 | Introduction | 139 |
|---|--------------------------------------------------------------|--------------------------------------------------------------------------------------|------------|
| | 7.2 | Methods and Material | 141 |
| | 7.3 | What Makes a Good Net-Zero Emissions Target? | 143 |
| | | 7.3.1 Definition | 144 |
| | | 7.3.2 Scope | 145 |
| | 7.4 | 7.3.3 Residual Emissions | 146 |
| | 7.4 | The Heterogenous Landscape of Net-Zero Emission Targets | |
| | | in Swedish Municipalities 7.4.1 Definition | 147 |
| | | 7.4.1 Definition 7.4.2 Scope | 148 150 |
| | | 7.4.3 Residual Emissions | 152 |
| | 7.5 | A Motley Crew of Net-Zero Emission Targets: Politics | |
| | | of Aspiration or Delay? | 154 |
| | 7.6 | Conclusions | 157 |
| | | rences | 158 |
| | | | |
| 8 | In the Shadow of an Oil Refinery: Narrating Just Transitions | | |
| | in the | e City of Lysekil | 161 |
| | 8.1 | Introduction | 161 |
| | 8.2 | Just Transition: A Concept with Multiple Meanings | 163 |
| | 8.3 | Narrating Just Transitions: Method and Material | 165 |
| | 8.4 | The Preemraff Controversy: Setting the Scene | 168 |
| | 8.5 | Contending Stories of Climate (In)justice | 170 |
| | | 8.5.1 The Distributive Story: Producers Are Not to Blame | 171 |
| | | 8.5.2 The Procedural Story: No Transition without Recognition | 173 |
| | 0.6 | 8.5.3 The Ecological Story: Protecting the Rights of Nature | 175 |
| | | Conclusion | 176 |
| | Refe | rences | 178 |
| 9 | Turni | ing a Crisis into an Opportunity? How Swedish Climate | |
| , | | orks Navigate through Crisis | 182 |
| | | Introduction | 182 |
| | | Sweden's Response to COVID-19 in a Collaborative Setting | 184 |
| | | The Effects of a Crisis: COVID-19 and Climate Change | 104 |
| | 7.5 | Mobilization | 184 |
| | 9.4 | Methods and Material | 186 |
| | 9.4 | | 100 |
| | 9.3 | Navigating through a Crisis: Swedish Climate Networks and Their Response to COVID-19 | 187 |
| | | 9.5.1 How COVID-19 Has Affected Swedish Climate Networks | 187 |
| | | 9.5.2 Responding to the Pandemic: Goals, Arguments, and Strategies | 190 |
| | | , , , , | |

| Contents | 1X |
|----------|----|

| | 9.5.3 Framing COVID-19 in Swedish Climate Politics: Risk | |
|------|---------------------------------------------------------------|----------|
| | or Opportunity? | 192 |
| | 9.6 Discussion | 193 |
| | 9.7 Conclusion | 196 |
| | References | 197 |
| 10 | The State and Collaborative Climate Governance: Prospects | |
| | and Limitations | |
| | 10.1 Introduction | 201 |
| | 10.2 Multiple Interactions between the State and Non-state Ac | tors 204 |
| | 10.3 Limits and Prospects of Collaborative Climate Governance | ee 207 |
| | 10.4 Going beyond Sweden and Avenues for Future Research | 210 |
| | References | |
| Inde | lex | 219 |