

Contents

1	Introduction to the Research Task on Governance Dynamics of Energy Technology Change	1
	Silvia Ulli-Beer	
Part I Theory and Methods		
2	Conceptual Grounds of Socio-Technical Transitions and Governance	19
	Silvia Ulli-Beer	
3	A Research Method for Integrative Transition Simulation	49
	Silvia Ulli-Beer, Stefan Groesser, and Ruth Kaufmann-Hayoz	
4	How Do We Know Who to Include in Collaborative Research? Toward a Method for the Identification of Experts	83
	Matthias Otto Müller, Stefan N. Groesser, and Silvia Ulli-Beer	
Part II Fields of Analysis: Clean Personal Road Transportation and Energy-Efficient Housing		
5	The Role of Social Norms for the Diffusion of Eco-Innovations: Tipping Point, and Lock-in Effects	107
	Mathias Bosshardt, Silvia Ulli-Beer, and Alexander Wokaun	
6	Industrial ECO-Transformation: Impacts of Climate Policy and Advanced Vehicle Technologies on the Carmaker Industry	133
	Benjamin Boksberger, Silvia Ulli-Beer, Manuel Bouza, and Alexander Wokaun	

7	How Should Public Policy Transform the Stock of Buildings Toward Energy Efficiency and Low Emissions? Results from a System Dynamics Modeling Study of Switzerland	163
	Matthias Otto Müller, Ruth Kaufmann-Hayoz, Franz Schultheis, Markus Schwaninger, and Silvia Ulli-Beer	
Part III Research and Policy Implications: Mastering the Challenges of Socio-Technical Transitions in Theory and Practice		
8	Generic Structure to Simulate Acceptance Dynamics	191
	Silvia Ulli-Beer, Fritz Gassmann, Mathias Bosshardt, and Alexander Wokaun	
9	Social Dynamics Overriding Utility Evaluations for Good and Bad: Implications for the Design of Sustainable Food Security Policies in Sub-Saharan African Countries	223
	Birgit Kopainsky, Katharine Tröger, Sebastian Derwisch, and Silvia Ulli-Beer	
10	Lessons Learned from Integrative Transition Simulation	243
	Silvia Ulli-Beer	

Dynamic Governance of Energy Technology Change

Socio-technical transitions towards sustainability

Ulli-Beer, S. (Ed.)

2013, XVII, 252 p. 60 illus., 12 illus. in color., Hardcover

ISBN: 978-3-642-39752-3