

# Contents

<b>Part I Integrated Transdisciplinary Research – New Approaches</b>	
<b>From Local to Global Sustainability: Transdisciplinary Integrated Research in the Digital Age</b> . . . . .	3
Benno Werlen	
<b>Challenges for Transdisciplinary Research</b> . . . . .	17
Joske F.G. Bunders, Arnout E. Bunders, and Marjolein B.M. Zweekhorst	
<b>Narratives for a Sustainable Future: Vision and Motivation for Collective Action</b> . . . . .	51
Ilan Chabay	
<b>Green Capitalism, Sustainability, and Everyday Practice</b> . . . . .	63
Karsten Gäbler	
<b>Part II Knowledge Production and Action</b>	
<b>From Knowledge Co-production to Transdisciplinary Research: Lessons from the Quest to Produce Socially Robust Knowledge</b> . . . . .	89
Juergen Weichselgartner and Bernhard Truffer	
<b>Carving a Niche for the Social Sciences in Transdisciplinary Research on Climate Change Adaptation in Southern African Agriculture</b> . . . . .	107
Chipso Plaxedes Mubaya, Francis Themba Mugabe, and Sue Walker	
<b>Sustainability and Territory: An Approach to Shape Development from the Perspective of the Imaginary</b> . . . . .	119
Enrique Aliste	

### **Part III Society Nature Interfaces**

<b>Terrestrial Ecosystem Dynamics in Senegal's Agro-silvopastoral Center-East Region in the Second Half of the Twentieth Century . . . . .</b>	139
Aliou Diouf and Matthew G. Hatvany	
<b>Integrated Global Change Research in West Africa: Flood Vulnerability Studies . . . . .</b>	163
Ibidun Adelekan	
<b>An Integrated Approach to Environmental Management in Bangladesh . . . . .</b>	185
Raquib Ahmed and Chandan Roy	
<b>Awareness of and Responses to the 2011 Flood Warnings Among Vulnerable Communities in Lagos, Nigeria . . . . .</b>	203
F. Olokesusi, F.B. Olorunfemi, A. Onwuemele, and M.O. Oke	

### **Part IV Interfaces Science Policy**

<b>Solution-Based Spatial Planning for Disaster Risk Reduction and Climate Change Adaptation in Taiwan . . . . .</b>	227
Yu-Fang Lin	
<b>Institutions and Planning: A Reflection from Disaster Management Planning in Indonesia . . . . .</b>	239
Hendricus A. Simarmata and Raka W. Suryandaru	
<b>Could the Search for Sustainability Reinforce Socio-ecological Conflict?: The Mining Industry in Chile and Its Impact at the Local and Regional Level . . . . .</b>	267
Fernando Campos-Medina	
<b>Political Decision-Making and Scientific Insights: A Comment from the Political Arena . . . . .</b>	297
Matthias Machnig	