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Nota di contenuto	Introduction; Benno Werlen -- Preface: Speech at TIERS Conference in Jena on 8 June 2012; Matthias Machnig -- PART I: INTEGRATED TRANSDISCIPLINARY RESEARCH -- Chapter 1: Sustainability and Territory: An Approach from the Perspective of the Imaginary in Shaping Development; Enrique Aliste -- Chapter 2: Challenges for Transdisciplinary Research; Joske Bunders -- Chapter 3: Narratives for

a Sustainable Future. Vision and Motivation for Collective Action; Ilan Chabay -- PART II: KNOWLEDGE -- Chapter 4: Carving a Niche for the Social Sciences in Trans-disciplinary Research on Climate Change Adaptation and Agriculture in Southern Africa; Chipo Plaxedes Mubaya -- Chapter 5: From Co-Production of Knowledge to Transdisciplinary Research. Lessons from the Quest for Producing Socially Robust Knowledge; Juergen Weichselgartner and Bernhard Truffer -- PART III: INTERFACES SOCIETY NATURE -- Chapter 6: Terrestrial Ecosystems Dynamic in the Senegalese Agro-silvopastoral Center-east in the Second Half of the XXe Century; Aliou Dijouf and Matthew G. Hatvany -- Chapter 7: Integrated Global Change Research in West Africa: Flood Vulnerability Studies; Ibidun Adelekan -- Chapter 8: Integrated Approach in Environment Management: Context Bangladesh; Raquib Ahmed -- Chapter 9: Awareness of and Responses to the 2011 Flood Warnings among Vulnerable Communities in Lagos, Nigeria; Olokesusi, F., Olorunfemi, F.B., Onwuemele A. and Oke, M.O -- PART IV: INTERFACES SCIENCE POLICY -- Chapter 10: Solution-Based Spatial Planning for Disaster Risk Reduction and Adaptation to Climate Change in Taiwan; Yu-Fang Lin -- Chapter 11: Institutions and Planning: A Reflection from the Disaster Management Planning in Indonesia; Hendricus A Simarmata and Raka W Suryandaru -- Chapter 12: Could the Search for Sustainability Reinforce the Socio-ecological Conflict? The Mining Industry in Chile and its Impact at the Local and Regional Level; Fernando Campos-Medina -- Chapter 13: Institutions and Planning: A Reflection from Disaster Management Planning in Indonesia; Hendricus A. Simarmata and Raka W. Suryandaru -- Chapter 14: Could the Search for Sustainability Reinforce the Socio-ecological Conflict? The Mining Industry in Chile and its Impact at the Local and Regional Level; Fernando Campos-Medina -- Chapter 15: Political decision-making and Scientific Insights. A comment from the Political Arena; Matthias Machnig.

Sommario/riassunto

This book offers new perspectives of transdisciplinary research, in methodological as well as theoretical respects. It provides insights in the two-fold bio-physical and the socio-cultural global embeddedness of local living conditions on the basis of selected empirical studies from Latin America, Asia, Africa, Australia, and Europe. The theoretical foundations of ecological research and sustainability policies were developed at the end of the nineteenth century. They are largely based on investigations of living spaces, and the evolution and differentiation of varied life forms. This perspective is embedded in the practical and theoretical European problem situations of the past and lacks social and cultural differentiation. The transformation of spatial and natural relations as a result of the globalization process is so radical that new theories are needed to solve 21st century ecological problems. Moreover, in view of the lack of an ontologically sound and promising strategy for transdisciplinary problem solving, as well as an acceptable consideration of the power of cultural schemas relating to natural living's interpretations, there is a strong need to focus on sustainable social practices, habits, and routines, rather than on predominantly living spaces or eco-topes. This book elaborates on the transdisciplinary approach by reflecting on the theoretical heritage and a global perspective of sustainability, by focusing on the primary role of a social approach in sustainability research, and by putting emphasis on cultural dimension of sustainability. It postulates that global sustainability is grounded in a global understanding of our everyday activities.