

2854-14

Gerhard Banse
Imre Hronszky
Gordon Nelson (eds.)

Rationality in an Uncertain World



edition
sigma



Contents

Introduction: Initiating a Forum on Sustainable Technological Development in a Globalising World <i>Gerhard Banse, Imre Hronszky, Gordon Nelson</i>	7
Rationality in an Uncertain World The Vision of Sustainable Development as an Adequate Answer? <i>Armin Grunwald</i>	11
Mapping and Managing Uncertainty and Indeterminacy in Future Society-Technology Relations Remarks on Prospective Technology Analysis <i>Imre Hronszky</i>	37
Risk and Rationality in a Future-oriented Society <i>Gotthard Bechmann</i>	59
From the “Pursuit of Happiness” to the “Pursuit of Sustainability” <i>René von Schomberg</i>	75
Sustainable Discourse and Unsustainable Difference <i>Jiří Loudin</i>	91
Strategies to Support Social Learning in the Transformation of the Energy Sector <i>Harald Rohrer</i>	103
ECO-21: Development of a Complex Environmental Performance Indicator for Hungary <i>Tamas Pálvölgyi, János Szlávik, Miklós Füle, Noémi Nagypál</i>	121
Divergent Concepts of Sustainability The Case of GM Crops <i>Les Levidow</i>	133
Environmental Conservation and Restoration Theoretical and Practical Aspects for a Sustainable Development <i>Nicanor Ursua Lezaun</i>	145

Sustainable Innovation	157
Conditions, Emergence, and Policy	
<i>Helge Majer</i>	
Policy Recommendations for Sustainability Research Programmes	175
What Current Sustainability Programmes Tell Us ...	
<i>Ângela Guimãraes Pereira, Laura Lonza Ricci</i>	
Impacts of Future Information and Communication Technologies on Society and Environment	205
Dealing with Uncertainty in Prospective Technological Studies	
<i>Lorenz Hilty, Claudia Som, Andreas Köhler</i>	
Development of Sustainable Technologies	211
<i>Dora Marinova</i>	
Need for Comprehensive Science in Sustainability Assessment	221
<i>Gordon Nelson</i>	
Sustainable Development in the New Länder	239
Some Remarks	
<i>Hans-Joachim Petsche</i>	
Knowledge, Computer-mediated Communication, and Sustainable Development	251
<i>Andreas Metzner-Szigeth</i>	
Environmental Ethics and Engineering Ethics Courses at the BUTE	263
What Kind of Ethics Do We Teach?	
<i>László Molnár</i>	
Transdisciplinarity in Teaching and Learning Sustainability	275
<i>Dora Marinová, Natalie McGrath</i>	
Teaching Sustainability	287
<i>Gary Wells</i>	
Authors	299