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Altri autori (Persone)	WildererP. A SchroederEdward D KoppHorst
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Nota di contenuto	Global Sustainability; Table of Contents; Preface; List of Contributors; Key Note Address; 1 History and Mandate of Sustainability: From Local Forestry to Global Policy; 1.1 Sustainability: Key Word in the Today's Policy Discussion; 1.2 History and Definitions of "Sustainability"; 1.2.1 Development of the Technical Terminus in Forestry; 1.2.2 Application in Environmental Politics; 1.2.3 The Definition of "Sustainability" - A Social Negotiation Process on Local and Global Levels?; 1.3 Experiences from Forestry and Transfer into other Economic Fields - Possibilities and Limits 1.3.1 Peculiarities of Forest Ecosystems and Forest Management1.3.2 Concept of Industrial Ecology; 1.3.3 Limits in Transferring the Forestry Model to other Economic Sectors; 1.3.4 Approximation to the Ideal "Sustainability"; 1.4 Conclusion; Acknowledgement; References; 2 Sustainable Development: Exploring the Cross-Cultural Dimension; 2.1

Introduction; 2.2 Perspectives on Sustainable Development; 2.3 Prerequisites for Sustainable Development; 2.4 Sustainability: Essentials for a Realistic Cross-Cultural Concept; 2.5 Qualitative Growth as a Prerequisite for Sustainable Development; 2.6 Outlook
References3 Sustainable Development and Cultural Diversity; 3.1 Introduction; 3.2 The Vertical vs. Horizontal Dimension of Sustainability; 3.3 The Relevance of Cultural Diversity; 3.4 Globalization and Cultural Diversity; 3.5 Agricultural Sector; 3.6 Media Industry; 3.7 Tourism; 3.8 Conclusion; References; 4 Technological Progress in Different Cultures and Periods: Historical Evolution Projected into the Future; 4.1 Introduction; 4.2 Historical Perspective; 4.2.1 Why and Where Technological Progress?; 4.2.2 Religious and Secular Approaches 4.2.3 Perception of Nature as an Obstacle to Technical Progress4.2.4 Enlightenment: A Step towards Modern Times; 4.3 Modernity and the Sustainability Concept; 4.3.1 The Twentieth Century; 4.3.2 The Twenty-first Century; 4.4 In Search of a Coherent Evolution of Technology: Past and Future; 4.5 Conclusions; References; 5 Views of Sustainability: Elements of a Synthesis; 5.1 Introduction; 5.2 Definitions; 5.2.1 The Weak Version; 5.2.2 The Strong Version; 5.2.3 Alternative Views and Discussion; 5.3 Accounting for SD; 5.4 The Hartwick-Solow Rule 5.5 Substitutability and the Role of Technical Progress5.6 Catastrophe Points; 5.7 Summary Classification of Economic Models; 5.8 Discount Rate; 5.9 Discussion; References; 6 A New Way of Thinking about Sustainability, Risk and Environmental Decision-Making; 6.1 Introduction; 6.2 Complicated Technology vs. Complex Technology; 6.3 Errors in Thinking and Attitudes; 6.4 The Current View of Sustainability and Risk Analysis; 6.5 A New View of Sustainability; 6.6 An Expanded View of Risk; 6.7 An Expanded Process of Environmental Decision Making; 6.8 Conclusions; References
7 Humility and Establishing the Sustainable Environment

Sommario/riassunto

This first book to focus on cultural diversity as a key element of sustainable development in the context of science and engineering provides cross-disciplinary information and assistance in understanding our world in transition. As such, it furnishes the global scientific community and decision makers in governmental and non-governmental institutions as well as in industry with much-needed information on how the various factors affecting sustainable development -- including culture -- depend on and interfere with each other. Featuring a contribution by the President of the Club of Rome, HR