

# **Ecological Sustainability and Integrity: Concepts and Approaches**

Edited by  
John Lemons, Laura Westra  
and Robert Goodland



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# Ecological Sustainability And Integrity Concepts And Approaches

**Laura Westra, Patricia H. Werhane**



## **Ecological Sustainability And Integrity Concepts And Approaches:**

*Ecological Sustainability and Integrity: Concepts and Approaches* J. Lemons, L. Westra, Robert Goodland, 1997-12-31 This book follows upon earlier work which culminated in the publication of two recent books *Sustainable Development Science Ethics and Public Policy* John Lemons and Donald A Brown editors and *Perspectives on Ecological Integrity* Laura Westra and John Lemons editors Both of these books also were published by Kluwer Academic Publishers In this book we seek to explore more fully the concepts of sustainability and ecological integrity as well as the connections between them We have divided chapters into three groups In the first the concept of sustainability in relation to science law and ethics is explored In the second concepts of sustainability and ecological integrity are applied to problems in specific natural resources Finally in the third group we examine possible approaches to public policy which might include concepts of sustainability and ecological integrity Overall we believe that this collection presents a wide variety of perspectives discussions and case studies John Lemons Laura Westra Robert Goodland Editors ix CONTENTS PART I Sustainability in Relation to Science Law and Ethics Chapter 1 The Concept of Sustainability A Critical Approach Lynton K Caldwell 1 Problems of Definition 2 2 Behavioral Obstacles 4 3 Psychological Obstacles Seven Deadly Sins of Unsustainability 8 4 *A Systems Approach to the Environmental Analysis of Pollution Minimization* Sven E. Jorgensen, 2020-01-29 The environmental analysis of pollution problems always involves the use of mass and energy balances to quantify the extent of pollution and its sources This same form of analysis can be applied to ecosystems production systems a whole country or a region A Systems Approach to the Environmental Analysis of Pollution Minimization identifies and describes the common factors shared by these systems The book is organized in twelve chapters and progresses from general concepts to specific assessment methods Chapter one is a general introduction to environmental management principles Chapter two discusses conservation principles and their applications to environmental health Chapters three and four explore ecosystem health properties and analysis Chapters five through eleven present different methods of analysis including Green Accounting Clean Technology Life Cycle Analysis and Risk Assessment Editor Sven Jorgensen closes the book with a sweeping summary Jorgensen is a internationally published authority on the use and analysis of ecosystem models His new book is a comprehensive guide for both students and professionals A Systems Approach to the Environmental Analysis of Pollution Minimization is an invaluable contribution Features Ontology and Closeness in Human-Nature Relationships Neil H. Kessler, 2018-10-10 In *Ontology and Closeness in Human Nature Relationships* Neil H Kessler identifies the preconceptions which can keep the modern human mind in the dark about what is happening relationally between humans and the more than human world He has written an accessible work of environmental philosophy with a focus on the ontology of human nature relationships In it he contends that large scale environmental problems are intimate and relational in origin He also challenges the deeply embedded modernist assumptions about the relational limitations of more than human beings ones which place erroneous limitations on the

possibilities for human more than human closeness Diverging from the posthumanist literature and its frequent reliance on new materialist ontology the arguments in the book attempt to sweep away what ecofeminists call human nature dualisms In doing so conceptual avenues open up that have the power to radically alter how we engage in our daily interactions with the more than human world all around us Given the diversity of fields and disciplines focused on the human nature relationship the topics of this book vary quite broadly but always converge at the nexus of what is possible between humans and more than human beings The discussion interweaves the influence of human nature dualisms with the limitations of Deleuzian becoming and posthumanism s new materialism and agential realism It leverages interhuman interdependence theory Charles Peirce s synechism of feeling and various treatments of Theory of Mind while exploring the influence of human nature dualisms on sustainability place attachment common worlds pedagogy emergence and critical animal studies It also explores the implications of plant electrical activity plant intelligence and plant neurobiology for possibilities of relational capacities in plants while even grappling with theories of animism to challenge the animate inanimate divide The result is an engaging novel treatment of human nature relational ontology that will encourage the reader to look at the world in a whole new way

**The Oxford Companion to Global Change** David J. Cuff, 2008 In recent years global change has become increasingly important in technological ecological and political spheres This companion examines the environmental events of recent times and investigates long term trends as well as broader issues of global change

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[Politics, Philosophy, Culture](#) Michel Foucault, 2013-07-04 Politics Philosophy Culture contains a rich selection of

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*Conceptions of Value in Environmental Decision-making* John O'Neill, Clive L. Spash, Concerted Action on Environmental Valuation in Europe, 2000 This policy briefing series communicates the findings from nine workshops and three plenary meetings under the EVE programme These showed the diversity of research currently being undertaken in the area of environmental values and their policy expression The type of information relevant to the decision process extends from ecological functioning to moral values **Environmental Challenges to Business** Joel Reichart, Patricia Hogue Werhane, 2000

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**in Environmental Values** Linda Kalof, Terre Satterfield, 2005 First Published in 2005 Routledge is an imprint of Taylor Francis an informa company **Environment and Planning**, 2008 Publishes interdisciplinary research on issues of Government and Policy with an international perspective Committed to a broad range of policy questions not just those related to government and public policy Topics covered include nonstate agents private public collaboration and NGOs nongovernmental organisations All areas of economic social and environmental institutions and policy are included Disciplines from which papers are derived include political science planning geography economics law sociology and public administration **Journal of Geoscience Education**, 2009

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protection Sustainability in Question will be welcomed by those interested in environmental economics science management and environmental studies as well as by those working in the fields of ecological economics natural resource economics and environmental sociology      **Collected Essays on the Economics of Coral Reefs** Herman S. J. Cesar, 2000 Corals and coral reefs are seriously degraded in most tropical seas Most of the damage is due to over exploitation and the use of destructive fishing methods This collection of essays presents a number of case studies on the economic analysis of coral reefs

Journal of Planning Literature ,2004      **Nature and Agriculture in the European Union** Floor Brouwer, Jan van der Straaten, 2002 Nature and agriculture both shape the European countryside and one of the main challenges for the years to come will be to strengthen their interaction for the future development of rural areas In this valuable and highly topical book the authors demonstrate how economics and ecology can play a critical role in maintaining and sustaining this relationship The book identifies the dilemmas facing European agriculture and explores their economic and ecological consequences The authors believe a better understanding of these problems will be crucial in recognising the potential options for the future role of agriculture and nature policy and will guide the identification of suitable policy instruments They highlight current threats to the relationship between agriculture and nature such as abandonment and intensification and demonstrate how these problems can be resolved by a rational policy mix The book also provides extensive empirical evidence from four case studies and concludes by scrutinising the major changes in market conditions and the Common Agricultural Policy which could upset this important but fragile balance between agriculture and nature Providing a state of the art overview of current thinking on the relationship between agriculture and nature in the context of EU policy this book will be welcomed by policymakers and those studying and working in the fields of agricultural and resource economics geography and agri business      The Business of Consumption Laura Westra, Patricia H. Werhane, 1998-06-18 At the forefront of international concerns about global legislation and regulation a host of noted environmentalists and business ethicists examine ethical issues in consumption from the points of view of environmental sustainability economic development and free enterprise Visit our website for sample chapters

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