Contents

Foreword (Øystein Dable) xiii
Preface xvii
Acknowledgements xxi
List of Figures xxiii

CHAPTER 1
New Economics for Sustainable Development 1
  Introduction
  A New Paradigm
  Sustainable Development
  Sustainable Economy
  Sustainable Nature
  Sustainable Culture
  Conclusion

Case 1
About Norwatch – the Monitoring of Norwegian Business Interests in the South (Arild Hermstad) 21
  What is Norwatch?
  The Need for Such a Project
  The Start of the Project
  Focus on Journalistic Methods
  Results
CHAPTER 2
The Historical Context

Introduction
Development at Macro Level
The Restoring Perspective (‘The Polluter Pays’) 
The Resource Management Perspective
   (‘Look Before You Leap’)
The Eco-Development Perspective
   (‘Nature Has Inherent Value’)
Development at Micro Level
The Reactive Stage
The Receptive Stage
The Constructive Stage
The Proactive Stage
A Comparison between Developments
   at Macro and Micro Level
Conclusion

Case 2
SAS’s Balancing Act between Benefits for Society
and Problems for the Environment (Niels Eirik Nertun)

The Strategy for Continual Improvement
Work on Different Fronts to Reduce the
   Environmental Impact
SAS Encouraging the Development of
   Environmentally Adapted Technology
SAS Diffusing Solutions for Environmentally
   Adapted Defrosting
Environmental Schemes Conducive to the Realization
   of Environmental Objectives by Airports
Benefits for Society and Social Responsibility
CHAPTER 3
A Turn Towards Circulation Economics

Introduction
A Copernican Turn
From a Mechanical to an Organic Worldview
From Linearity to Circularity
From Competition to Cooperation
From Value Monism to Value Pluralism
Conclusion

Case 3
Partnership in the Market – Max Havelaar as an Example of Moral Consumers, Vulnerable Producers and Fair Trade (Knut J. Ims)

Introduction
Market Partnership
We Want Trade, Not Aid
Fairtrade Max Havelaar Internationally and in Norway
Consumer – Know Yourself!
Towards a Test of Producer Vulnerability?
Conclusion

CHAPTER 4
Circulation Economics

Introduction
Context Variables
Nature
Culture
Flow Variables
Functions
A Paradigmatic Example – the Cycle of Paper Processing
Life Cycle Assessment (LCA)
Components in Life Cycle Assessments
Product Limitations in Life Cycle Assessments
Life Cycle Assessment as a Method
Choice of Perspective
Data Collection
Data Analysis
Consequence Assessment
Suggestions for Improvement
Conclusion

Case 4
The Function of Banks in the Economy (Svein Berglund) 137

From Balance to Imbalance
The Function of Banks in the Economic Life of Society
About the Function of Cultura Bank in Particular
Possible Influence on the Environment and Society
Cooperation
Communication
Profitability

CHAPTER 5
Economy and Nature 149

Introduction
Nature
Biology and Nature
Physics and Nature
Economics and Thermodynamics
Economics as Circular Value Chains
Conclusion
Case 5a
Environmental Issues in Architecture (*Marius Nygård*) 181

Environmentally Friendly Refurbishing
of an Old Apartment Building
Urban Apartments with Innovative Solutions
in Buildings and Outdoor Areas
Ecological Principles on a Large Scale

Case 5b
Decentralized Urban Greywater Treatment
– The Example of Klosterenga (*Petter D. Jenssen*) 189

Introduction
Greywater Composition and Treatment Needs
System Design
Results and Comments
Conclusion

CHAPTER 6
Economy and Culture 195

Introduction
Culture
Culture as Commodity and Identity
Freedom in Economics and Culture
Strong and Weak Evaluations
Realization of Positive Freedom
Corporate Social Responsibility
Economic Responsibility
Legal Responsibility
Ethical Responsibility
Philanthropic Responsibility
Conclusion
Case 6
Nature and Culture in the EU
– a Particularly Challenging Partnership (Jean Jaminon) 233

A Partnership Is the Worst Ship that Ever Sailed
The Long March from the Treaty of Rome
to the EU Constitution
Environmental Work in Practice
A Challenging Partnership
Investment in Human Beings
Breaching the Bond between Economic Growth
and Environmental Destruction: An Impossibility?
Nature and Culture in the EU: Twenty-five Countries
at a Crossroads

CHAPTER 7
The Communicative Arena 249

Introduction
The Philosophical Foundation
Communicative Processes within Circulation Economics,
the Simple Model
Communicative Processes in Circulation Economics,
the Integrated Model
Norsk Returkartong A/S as a Communicative Arena
Conclusion

Case 7
The Socially Active Municipality
(Jostein Barstad and Lars Wang) 275

Background
Why is the Social Perspective of the Municipality
So Important?
What is a Socially Active Municipality?
Opportunities and Challenges
<table>
<thead>
<tr>
<th>Contents</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Epilogue – Reflections on Circulation Economics</td>
<td>285</td>
</tr>
<tr>
<td>About the Authors and the Contributors</td>
<td>293</td>
</tr>
<tr>
<td>References</td>
<td>299</td>
</tr>
<tr>
<td>Index</td>
<td>311</td>
</tr>
</tbody>
</table>