Contents

1 Introduction ................................................................. 1
  1.1 It’s the Economy, Stupid! ........................................... 3
  1.2 Structure of the Book ................................................. 6

2 What Political Economy Adds to Transformation Research ...... 13
  2.1 Digging into Societal Transformation and System Innovation Research ......................................................... 17
    2.1.1 Socio-technical Systems and Their Innovations ........... 20
    2.1.2 Socio-ecological Systems and Their Safe Operating Spaces ................................................................. 29
    2.1.3 Socio-ecological-Technical Systems and Their Repurposing ............................................................. 32
    2.1.4 The Economic Paradigm Shift Behind Today’s World: Karl Polanyi’s Heritage ........................................... 37
  2.2 Summary: Paradigm Shifts and Large System Change: Humanity’s Structured Freedom ........................................ 40

3 Why the Mainstream Economic Paradigm Cannot Inform Sustainability Transformations .............................. 53
  3.1 How Mainstream Economics Views Human Needs and Their Satisfaction ......................................................... 57
    3.1.1 What Is Utility and Where Is It Created? ................... 59
    3.1.2 Is ‘Having’ Really All the Fun There Is? .................. 63
    3.1.3 Checking Human Happiness and the Link with Income. 67
    3.1.4 How Does a Homo Economicus Feel and Act? ............ 72
    3.1.5 Summary: Human Need Perception and Well-Being Depend on the Processes Behind Creating Wealth ....... 76
  3.2 How Mainstream Economics Views Nature and Its Governance ................................................................. 80
    3.2.1 What Types of Capital Exist and Where Do They Come from? ......................................................... 81
3.2.2 Market Prices and the Allocation or Protection of Scarce Resources ........................................ 84
3.2.3 Checking Nature’s Safe Operating Spaces for Human Growth Aspirations ................................. 88
3.2.4 How Does Exchange Value Governance Impact Living Systems? ................................................. 94
3.2.5 Summary: Governing Human-Nature Relations Successfully Depends on Understanding Them .......... 96
3.3 How Mainstream Economics Anticipate the Future ................................................................. 98
  3.3.1 Which Real Qualities of Development Lie Behind Monetarized Predictions? ............................. 100
  3.3.2 Unveiling the Money Magic .................................................................................................... 107
  3.3.3 Summary: Opening up Mainstream Economic Ideas Is Key for ‘Our Common Future’ .................. 111
4 Mapping an Emerging New Economic Paradigm in Practice ....................................................... 119
  4.1 Pioneering Businesses: Common Good Matrix and Balance Sheets ........................................... 122
  4.2 Pioneering Civil Society: Transition Towns for Resilient Local Solutions .................................. 126
  4.3 Pioneering Governments: Beyond GDP Measures as Development Frames ............................... 130
  4.4 Pioneering Governance Systems: Commoning as a New Stark Utopia ........................................ 139
  4.5 Summary: System Innovations for Sustainability by Double-Decoupling ................................... 144
5 How to Work a Great Mindshift for Sustainability Transformations .............................................. 149
  5.1 The Role of Mind-Sets in Unlocking Path Dependencies: Antonio Gramsci’s Heritage .................. 151
  5.2 Transformative Literacy: Hacking Systems and Their Purpose .................................................. 155
  5.3 Summarizing Outlook ............................................................................................................... 162
References ....................................................................................................................................... 169
Wuppertal Institut ............................................................................................................................. 177
Wuppertal Institut’s Research Focus on Sustainability Transition ...................................................... 179
About the Author ............................................................................................................................ 181
About this Book .............................................................................................................................. 183