

Contents

List of Figures	<i>page</i> xiv
List of Tables	xv
List of Boxes	xvi
Preface	xvii
Acknowledgements	xxiv
PART I WHY A NEW STRATEGY IS NEEDED	1
1 Replacing the Most Influential Indicator in the World	3
Four Times a Year . . .	3
The GDP Multinational	4
The Beyond-GDP Cottage Industry	8
The Schumpeterian Dream	10
Three Crucial Questions	12
Strategy: An Institutionalised Community with a Clear Goal and Coherent Structure based on a Common Language	17
Reading Guide/Scope and Audience	23
2 Why Is GDP Successful?	27
From Cottage Industry to Multinational	27
Studenski's Paradox	29
The Ascent (1929–1944)	31
Golden Age (1944–1973)	36
Contested Hegemony (1973–2008)	40
Demise? (2008–2030)	44
A Common Language: The System of National Accounts	48
A Successful Community	52

3	What Does GDP Measure (And What Not)?	54
	A Long History of Criticism	54
	It Is Difficult to Measure “the Economy”	55
	It Is Even More Difficult Because of ICT and Globalisation	64
	GDP Doesn’t Measure Well-being	68
	GDP Doesn’t Measure Inequality	69
	GDP Doesn’t Account for the Environment/Future	70
	GDP Is Not a Good Proxy for Welfare	75
4	Why Is Beyond-GDP Not Successful?	79
	From a Cottage Industry to a Larger Cottage Industry	79
	Historical Overview of Influential Conferences, Initiatives and Publications	83
	Typology of Beyond-GDP Methodologies	87
	Type 1: Conceptual Index (Subjective Well-being)	88
	Type 1: Conceptual Index (Green Accounting)	90
	Type 1: Conceptual Index (Ecological Footprint)	92
	Type 2: Non-Conceptual Index (Composite Indicators, e.g. Human Development Index)	93
	Type 3: Non-Conceptual Indicator Sets (e.g. Sustainable Development Goals)	94
	Type 4: Conceptual Indicator Sets (e.g. Stiglitz Report)	95
	System of Environmental and Economic Accounting (SEEA)	96
	The Need for a Community	99
	 PART II THE NEW STRATEGY: A COMMUNITY FOR WELL-BEING AND SUSTAINABILITY	 103
5	Outline of the Strategy	105
	Revisiting the Schumpeterian Dream	105
	Alternative Strategies	107
	Should Politicians Be in the Lead?	110
	Should Economists Be in the Lead?	111

Creating a Community for Well-being and Sustainability Science (WSS)	114
Start with a Common Language: System of Global and National Accounts (SGNA)	118
Building Blocks of the SGNA: Stocks/Flows, Networks and Limits	121
Reading Guide to Part B	125
6 Global Environmental Accounts (GENA)	126
One in 8.7 Million	126
Minor Adjustments to the SEEA (with Big Implications)	128
Stocks/Flows: The Case of the Carbon Cycle	132
Intermezzo: Globalisation and Carbon Responsibility	138
Stocks/Flows: Species and Ecosystems	140
Networks: Ecosystems	142
Limits: Planetary Boundaries	144
Final Thoughts	146
7 Global Societal Accounts (GSA)	148
How Many Are We? Who Are We? How Are We Organised? What Do We Do?	148
Stocks/Flows: Demographic Accounts	149
Stocks/Flows: Institutional Units	153
Networks: The Structure of Society	156
Flows/Limits: Time Use	159
Intermezzo: Effects of ICT/Globalisation on the Structure of Society and Time Use	161
Final Thoughts	163
8 Global Economic Accounts (GECA)	165
A Very Important Subsystem	165
Stocks/Flows: Capital, Investment and Depreciation	167
Flows/Networks: The Global Economy	172

Flows: Production, Technology and Innovation	175
Flows: Consumption	179
Networks: New Perspective on the Economy	185
Limits: The Case for Non-Monetary Data	187
Final Thoughts	189
9 Global Distribution Accounts (GDA)	191
Where Did the SAM Go?	191
The Distribution between Nations and Institutional Sectors	195
The Distribution within Non-Household Sectors	202
The Distribution between Households	203
Environmental Impact of Inequality	206
Final Thoughts	207
10 Global Quality Accounts (GQA) and Quality	
Indicators	208
Are Things Getting Better?	208
Welfare Economics	210
The Capital Approach	214
The Capability Approach	218
Life Evaluation	219
Affect Evaluation	220
Physiological Measurement	223
Thermodynamic/Ecological Approaches	224
Approaches Based on Networks and Limits/Benchmarks	225
Towards a Multidisciplinary View of Well-being and	
Sustainability	226
Replacing GDP: System and Quality Indicators	233
11 Implementation of the Strategy	238
Is This Strategy Necessary?	238
(Nearly) All the Pieces of the Puzzle	243
Structured Multidisciplinarity	246
The Age of Data Abundance	248

The Cost of the Strategy	252
The Challenge: Institutionalisation	253
Will It Happen?	256
Annex: Beyond-GDP Milestones and Measurement Systems	259
Notes	274
References	307
Index	338