CONTENTS

	of thores		xi xii
PAF	O'Nell		
	indations		1
1	Social ecological economics Clive L. Spash		3
2	A critical and realist approach to ecological Armin Puller and Tone Smith	economics has a runner property of the propert	17
	erodox thought on the environment		27
3	Critical institutional economics Arild Vatn		29
4	Political ecology and unequal exchange Alf Homborg		39
5	Ecofeminism Ariel Salleh		48

Contents

6	Ecological Marxism and ecological economics: from	
	misunderstanding to meaningful dialogue Ali Douai	57
7	Post Keynesian economics and sustainable development Eric Berr	67
8	Evolutionary economics Karolina Safarzynska	77
PAI	RT III	
Bio	ophysical reality and its implications	87
9	Thermodynamics: relevance, implications, misuse and ways forward Kozo Torasan Mayumi	89
10	Geophysical limits, raw material use and their policy implications	99
	Armin Dieter	
11	Social metabolism	108
	Fridolin Krausmann	
12	The biophysical realities of ecosystems Vincent Devictor	
13	Coevolutionary social ecological economics Richard B. Norgaard	
PAI	RT IV	
So	ciety, power and politics	139
14	Theories of power	141
	Lorenz Stor	
15	The imperial mode of living	152
	Other Diana and Markus Wissen	
16	A guide to environmental justice movements and the language of	
	ecological distribution conflicts	162
17	Social movements and resistance Viviana Asara	173

PAI		
Ma	rkets, production and consumption	183
18	Unregulated markets and the transformation of society Asad Zaman	
19	Theory of the firm was valid language of the firm Peter E. Earl	
20	Theories of (un)sustainable consumption Clive L. Spash and Karin Dobernig	
21	Work and leisure: money, identity and playfulness Wolfgang J. Fellner	
	RT VI and ethics and ethics	225
22	Pluralism and incommensurability John O'Neill	227
23	Intrinsic values and economic valuation Katie McShane	
24	Needs as a central element of sustainable development Felix Rauschmayer and Ines Omann	246
25	Future generations Richard B. Howarth	256
	DT VII	
	ence and society: uncertainty and precaution	265
26	Precautionary appraisal as a response to risk, uncertainty, ambiguity and ignorance Andy Stirling	267
27	Safe minimum standards: addressing strong uncertainty Irmi Seidl	278
28	Post-normal science Roger Strand	288

Christian Kerstliner and Itigo Capellán-Pénez

Contents

	RT VIII kets, production and consumption and consumption and consumption and consumption and consumption are sent as a sent a	299
29	The NUSAP approach to uncertainty appraisal and communication Jeroen P. van der Sluijs	
30	Multiple criteria evaluation in environmental policy analysis and the second Salvatore Greco and Giuseppe Munda	
31	Multicriteria mapping Rebecca White Multicriteria mapping Rebecca White	
32	Q methodology Ben Davies Ben Davies	
33	Participation in the context of ecological economics Kirsty L. Blackstock	341
34	Deliberative monetary valuation Jasper O. Kenter Man A Company of the medical of the model of	351
35	Participatory modelling in ecological economics: lessons from practice Nuno Videira, Paula Antunes and Rui Santos	362
36	Input-output analysis Jon D. Erickson and Melinda Kane	372
37	Sustainability indicators Philippe Roman and Géraldine Thiry	382
	RT IX	
	licy challenges nobusperq bus vinistreous vielos bus ean	393
38	Commons Bengi Akbulut	395
39	Uneven development and resource extractivism in Africa Patrick Bond	404
40	Mining conflicts Begüm Özkaynak and Beatriz Rodriguez-Labajos	414
41	Peak-Oil and ecological economics Christian Kerschner and Iñigo Capellán-Pérez	425

Contents

42	Human induced climate change from a political economy perspective Max Koch	436
43	Ecosystem services Erik Gómez-Baggethun	445
PAF	RT X	
Fut	Future post-growth society	
44	Degrowth and democracy Daniel Hausknost	457
45	The steady state economy Brian Czech	467
46	Post-growth economics Niko Paech	477
47		
47	The bioregional economy: celebrating the local in production and consumption	487
	Molly Scott Cato	A EB
	Development of material intensity/intensity years and a lo resultant of the	
48	The coming sustainable city	497
	Laura Frye-Levine and Richard S. Levine	
49	Eco-social enterprises	507
080	Nadia Johanisova and Eva Franková	1.78
	The critical zone of use surregord main and VMCI to suggesting own 1.	
50	Democracy, participation and social planning Fikret Adaman and Pat Devine	517
Ind		526