The Handbook of Evolutionary Economic Geography

Edited by

Ron Boschma

Department of Economic Geography, Urban and Regional research centre Utrecht (URU), Utrecht University, The Netherlands

×

Ron Martin

.....

Department of Geography and St Catharine's College, University of Cambridge, UK

1

Contents

List of contributors Acknowledgements		vii x
INT	RODUCTION THE NEW PARADIGM OF EVOLUTIONARY ECONOMIC GEOGRAPHY	
1	The aims and scope of evolutionary economic geography Ron Boschma and Ron Martin	3
PAI	RT 1 CONCEPTUAL CHALLENGES IN EVOLUTIONARY ECONOMIC GEOGRAPHY	
2	Generalized Darwinism and evolutionary economic geography <i>Jürgen Essletzbichler and David L. Rigby</i>	43
3	The place of path dependence in an evolutionary perspective on the economic landscape Ron Martin and Peter Sunley	62
4	Complexity thinking and evolutionary economic geography	93
5	Ron Martin and Peter Sunley The spatial evolution of innovation networks: a proximity perspective Ron Boschma and Koen Frenken	120
PAI	RT 2 FIRM DYNAMICS, INDUSTRIAL DYNAMICS AND SPATIAL CLUSTERING	
6	Entrepreneurship, evolution and geography Erik Stam	139
7	Pecuniary externalities and the localized generation of technological knowledge Cristiano Antonelli	162
8	The relationship between multinational firms and innovative clusters	182
9	Simona Iammarino and Philip McCann Emergence of regional clusters: the role of spinoffs in the early growth process	205
10	Michael S. Dahl, Christian R. Østergaard and Bent Dalum A social-evolutionary perspective on regional clusters	221
11	Udo Staber Evolutionary economic geography: regional systems of innovation and high-tech clusters Philip Cooke and Carla de Laurentis	239

PART 3 NETWORK EVOLUTION AND GEOGRAPHY

12	Clusters, networks and economic development: an evolutionary economics perspective	261
	Elisa Giuliani	
13	Reputation, trust and relational centrality in local networks: an evolutionary geography perspective <i>Stefano Denicolai, Antonella Zucchella and Gabriele Cioccarelli</i>	280
14	The evolution of a strategic alliance network: exploring the case of stock	
14	photography	298
	Johannes Glückler	290
15	Complexity, networks and knowledge flow	316
15	Olav Sorenson, Jan W. Rivkin and Lee Fleming	510
16	The geography of knowledge spillovers: the role of inventors' mobility	
10	across firms and in space	353
	Stefano Breschi, Camilla Lenzi, Francesco Lissoni and Andrea Vezzulli	
17	Growth, development and structural change of innovator networks: the case	
	of Jena	370
	Uwe Cantner and Holger Graf	
PA	RT 4 INSTITUTIONS, CO-EVOLUTION AND ECONOMIC	
	GEOGRAPHY	
18	An evolutionary approach to localized learning and spatial clustering	391
10	Anders Malmberg and Peter Maskell	391
19	Path dependence and path plasticity: the co-evolution of institutions and	
17	innovation – the German customized business software industry	406
	Simone Strambach	-00
20	On the notion of co-evolution in economic geography	432
20	Eike W. Schamp	152
21	Locked in decline? On the role of regional lock-ins in old industrial areas	450
21	Robert Hassink	
PA	RT 5 STRUCTURAL CHANGE, AGGLOMERATION	
	EXTERNALITIES AND REGIONAL BRANCHING	
22	The surfaction of surfact mathematical lange time having and the colorian with	
22	The evolution of spatial patterns over long time-horizons: the relation with	471
	technology and economic development	4/1
7 2	Jan Lambooy The information accommuted its spatial evolution in English sition	187
23	The information economy and its spatial evolution in English cities <i>James Simmie</i>	487
24	An evolutionary model of firms' location with technological externalities	508
24	Giulio Bottazzi and Pietro Dindo	508
Ind	lex	529