Contents

Aci	st of contributors knowledgements	vii ix
Ab	breviations	X
	Introduction: anti-cyclic triple helix Riccardo Viale and Henry Etzkowitz	
PA	RT I HOW TO CAPITALIZE KNOWLEDGE	
1	Knowledge-driven capitalization of knowledge Riccardo Viale	31
2	'Only connect': academic-business research collaborations and the formation of ecologies of innovation Paul A. David and J. Stanley Metcalfe	74
3	Venture capitalism as a mechanism for knowledge governance Cristiano Antonelli and Morris Teubal	98
4	How much should society fuel the greed of innovators? On the relations between appropriability, opportunities and rates of innovation	121
5	Giovanni Dosi, Luigi Marengo and Corrado Pasquali Global bioregions: knowledge domains, capabilities and innovation system networks Philip Cooke	143
6	Proprietary versus public domain licensing of software and research products Alfonso Gambardella and Bronwyn H. Hall	167
PA	RT II TRIPLE HELIX IN THE KNOWLEDGE ECONOMY	
7	A company of their own: entrepreneurial scientists and the capitalization of knowledge	201
8	Henry Etzkowitz Multi-level perspectives: a comparative analysis of national R&D policies Caroline Lanciano-Morandat and Eric Verdier	218

The role of boundary organizations in maintaining separation	
in the triple helix	243
Sally Davenport and Shirley Leitch	
The knowledge economy: Fritz Machlup's construction of a	
synthetic concept	261
Benoît Godin	
Measuring the knowledge base of an economy in terms of	
triple-helix relations	291
Loet Leydesdorff, Wilfred Dolfsma and Gerben Van der Panne	
Knowledge networks: integration mechanisms and	
performance assessment	312
Matilde Luna and José Luis Velasco	
nv	335
	in the triple helix Sally Davenport and Shirley Leitch The knowledge economy: Fritz Machlup's construction of a synthetic concept Benoît Godin Measuring the knowledge base of an economy in terms of triple-helix relations Loet Leydesdorff, Wilfred Dolfsma and Gerben Van der Panne Knowledge networks: integration mechanisms and performance assessment