

# Contents

Preface

ii

<b>1</b>	<b>Systems of Innovation: An Attractive Conceptual Framework for Comparative Innovation Research</b>	<b>1</b>
1.1	Innovation as an Interactive Process	2
1.2	Knowledge Creation and Diffusion	5
1.3	The Innovation Systems Approach	8
1.4	Regional Rather Than National Innovation Systems?	12
1.5	Why Metropolitan Innovation Systems?	16
1.6	Survey Methodology and Design of the Questionnaires	17
1.7	A Brief Guide to This Volume	21
<b>2</b>	<b>The Vienna Metropolitan System of Innovation</b>	<b>23</b>
2.1	The Metropolitan Region	24
2.2	Some Features of the Austrian National Innovation System	25
2.3	The Institutional Set-Up	29
2.4	The Manufacturing Sector	32
2.5	The Producer Services Sector	41
2.6	The Science & Research Sector	49
2.7	Concluding Remarks	59
<b>3</b>	<b>The Barcelona Metropolitan System of Innovation</b>	<b>63</b>
3.1	Barcelona – the Dynamic Capital of Catalonia	64
3.2	Political and Institutional Framework	69
3.3	The Manufacturing Sector	74
3.4	The Producer Services Sector	86
3.5	The Science & Research Sector	98
3.6	The Barcelonese Way of Networking	107
3.7	Concluding Remarks	110
<b>4</b>	<b>The Stockholm Metropolitan System of Innovation</b>	<b>113</b>
4.1	Metropolitan Region With a Service Specialisation	115
4.2	Some Features of the Swedish National Innovation System	117
4.3	The Institutional Set-Up	121
4.4	The Manufacturing Sector	122
4.5	The Producer Services Sector	136
4.6	The Science & Research Sector	147

4.7	Concluding Remarks	158
<b>5</b>	<b>Conclusions and Policy Implications</b>	<b>165</b>
5.1	Metropolitan Differences and Similarities	166
5.2	What Does the Study Tell Us?	168
5.3	Policy Implications	172
<b>Appendix: A</b>	<b>The Vienna Metropolitan Innovation System</b>	<b>179</b>
<b>Appendix: B</b>	<b>The Barcelona Metropolitan Innovation System</b>	<b>201</b>
<b>Appendix: C</b>	<b>The Stockholm Metropolitan Innovation System</b>	<b>223</b>
	<b>References</b>	<b>245</b>
	<b>List of Figures</b>	<b>255</b>
	<b>List of Tables</b>	<b>257</b>
	<b>Subject Index</b>	<b>263</b>
	<b>Author Index</b>	<b>271</b>