Peter Nijkamp • Iulia Siedschlag Editors

Innovation, Growth and Competitiveness

Dynamic Regions in the Knowledge-Based World Economy



Contents

1	in a Knowledge-Based World Economy: Introduction Peter Nijkamp, Iulia Siedschlag, and Donal Smith
Pa	art I Economic Growth in a Knowledge-Based Economy
2	Defining Knowledge-Driven Economic Dynamism in the World Economy: A Methodological Perspective
3	Explaining Knowledge-Based Economic Growth in the World Economy
4	Critical Success Factors for a Knowledge-Based Economy: An Empirical Study into Background Factors of Economic Dynamism
5	Knowledge Spillover Agents and Regional Development
6	Star Scientists as Drivers of the Development of Regions
7	The Determinants of Regional Educational Inequality in Western Europe
8	Innovation and Firms' Productivity Growth in Slovenia: Sensitivity of Results to Sectoral Heterogeneity and to Estimation Method 163 Jože P. Damijan, Črt Kostevc, and Matija Rojec

viii Contents

9	Social Capital and Growth in Brazilian Municipalities Luca Corazzini, Matteo Grazzi, and Marcella Nicolini	195
Pa	t II Globalisation, Competitiveness and Growth	
10	A Knowledge: Learning-Based Perspective on Foreign Direct Investment and the Multinational Enterprise Christos N. Pitelis	221
11	Determinants of MNE Subsidiaries Decision to Set up Own R&D Laboratories: The Choice of Region	235
12	Multinational Enterprise and Subsidiaries' Absorptive Capacity and Global Knowledge Sourcing Constantina Kottaridi, Marina Papanastassiou, Christos N. Pitelis, and Dimitrios D. Thomakos	259
Part III The Role of Public Policies in Fostering Innovation, Competitiveness and Growth		
13	The Competitive Advantage and Catching-Up of Nations: A New Framework and the Role of FDI, Clusters and Public Policy Christos N. Pitelis	281
14	The Role of Public Policies in Fostering Innovation and Growth: Theory and Empirical Evidence Marc Schiffbauer	305
15	European Competition and Industrial Policy: An Assessment and a New Framework Ioanna Glykou and Christos N. Pitelis	343