Contents

Preface v

1 Technological Change and Regional Development in Europe: An Introduction
Ludwig Schätzl and Javier Revilla Diez 1

Part A: Innovation and Regional Development

2 The Spatial Pattern of Invention Activities in West Germany 1992-1994
Ernst Giese 9

3 R&D, Localised Knowledge Spillovers and Endogenous Regional Growth: Evidence from Germany
Eckhardt Bode 28

4 Spatial Structural Change: Evidence and Prospects
Franz-Josef Bade, Annekatrin Niebuhr and Matthias Schönhart 43

5 Machinery and Productivity: A Comparison of East and West German Manufacturing Plants
Michael Fritsch and Jörn Mallok 61

6 The Effect of Internationalisation on the Rate of Growth of High-Tech Start-Ups: Evidence for the UK and Germany
Oliver Burgel, Andreas Fier, Georg Licht and Gordon Murray 74

7 Survival, Growth, and Interfirm Collaboration of Start-Up Companies in High Technology Industries: A Case Study of Upper Bavaria
Johannes Hampe and Martin Steininger 90

8 Are There Too Many Innovation Centres in Germany?
Christine Tamásy 112
Part B: The Network Paradigm and Regional Development

9 The Regional Impact of Innovation Networks
Rolf Sternberg 135

10 Innovation Activities and Networks in Metropolitan Systems of Innovation: Empirical Findings from Barcelona, Vienna and Stockholm
Javier Revilla Diez 156

11 Networking of Small Firms: Is the Region a Knowledge Source for Innovation?
Knut Koschatzky and Andrea Zenker 174

12 R&D Co-Operation Between Public Research Institutions: Magnitude, Motives and Spatial Dimension
Michael Fritsch and Christian Schwirten 199

13 Creative Milieux and Regional Networks: Local Strategies and Implementation in Case Studies in Bavaria
Jörg Maier and Frank Obermaier 211

14 The Biotech Region of Munich and the Spatial Organisation of its Innovation Networks
Jürgen Oßenbrügge and Christian Zeller 233

15 Organisational Innovations in Different Systems of Innovation: A Comparison of Germany and UK
Simone Strambach 250

16 Environmental Management in Manufacturing Industry: A Comparison Between British and German Firms
Boris Braun and Reinhold Grotz 273

Part C: Sectoral Studies

17 Innovations and Regional Development: Human Capital and Knowledge Transfer as Driving Forces for Spatial Clustering in the Semiconductor Industries of East Germany
Michael Plattner 295

18 Correlation Between the Innovative Behaviour of Biotech Firms and Regional Development
Rainer Voß, Martina Brandt, Ulla Große and Frank Hartmann 311
19  Locational Effects of Innovations in Information and Communications Technology on Food Retailing in Germany  
   Sven Henschel  
   324

20  Technological Change in the German Packaging Industry: Structure, Behaviour and Performance  
   Hans-Dieter Haas and Sven Siebert  
   347

21  The Changing Organisation of Production in the European Horticultural Sector and the Influence of Technology  
   Barbara Lenz  
   368

22  How Culture Determines Regional Economic Trajectories: The Changing Landscape of European Costume Jewellery Production  
   Thorsten Hülsmann, Jürgen Pohl and Norbert Rehle  
   388

List of Figures  
   405

List of Tables  
   409

Subject Index  
   413

List of Contributors  
   419
Technological Change and Regional Development in Europe
Schätzl, L.; Revilla Diez, J. (Eds.)
2002, IX, 421 p., Softcover
ISBN: 978-3-7908-1460-6
A product of Physica-Verlag Heidelberg