

1. Record Nr.	UNINA9910297051503321
Autore	Christ Julian Phillip
Titolo	Innovative places in Europe [[electronic resource]] : research clustering, co-patenting networks and the growth of regions // Julian P. Christ
Pubbl/distr/stampa	Frankfurt am Main ; ; New York, : Peter Lang, c2012
ISBN	1-299-43613-7 3-653-01778-5
Descrizione fisica	1 online resource (489 p.)
Collana	Hohenheimer volkswirtschaftliche Schriften Innovative places in Europe Hohenheimer volkswirtschaftliche Schriften ; ; Bd. 67
Disciplina	608.74
Soggetti	Technological innovations - Economic aspects - Europe Industrial clusters - Europe Research - Europe - Regions Patents - Europe - Regions Inventions - Europe - Regions Regional planning - Europe
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Acknowledgements; Table of Contents; List of Figures; List of Tables; List of Boxes; List of Abbreviations; 1. Innovative Places in Europe; 1.1. Introduction and Motivation; 1.2. Outline of the Thesis and Research Questions; 2. Research Clustering, Co-Inventor Networks and Innovative Places: A Literature Survey; 2.1. A Survey of the Theoretical Literature; 2.1.1. The Co-Evolution of Research Strands in the Cluster Literature; 2.1.2. From First-Nature Agglomerations to Knowledge-Intensive Industries; 2.1.3. Agglomeration, Indivisibilities and Fragmentation 2.1.4. Agglomeration, Clustering and External Economies 2.1.5. Agglomeration, Research Clustering and Pecuniary Externalities; 2.1.6. Industry and Research Clustering and Innovation Externalities; 2.1.7. Agglomerations, Networks and Knowledge Transmission; 2.2. A Survey of the Empirical Literature; 2.2.1. The Co-Evolution of Different Strands of Empirical Research; 2.2.2. Regional Disparities, Urbanization and Research Clustering; 2.2.3. The Regional Knowledge Production

Function; 2.2.4. Localization, Urbanization and Regional Development 2.2.5. Patent Citations, Paper Trails and Real Spillovers 2.2.6. Researcher Mobility, Social Networks and Diaspora; 2.2.7. Research Collaborations and Co-Patenting Networks; 3. Innovative Places, Research Clustering and Co-Agglomeration in Europe; 3.1. Analyzing Research Clustering in Europe; 3.2. Patent Data as Indicators in Empirical Analysis; 3.2.1. Advantages of Patent Data as Indicators; 3.2.2. Drawbacks and Technical Issues of Patent Data; 3.3. The Database: Patent Data, Regions and Research Activity; 3.3.1. Overview and General Information; 3.3.2. The Spatial Classification System 3.3.3. The IPC-Technology Field Concordance 3.4. Geographic Concentration and Regional Disparities of Research Activities; 3.4.1. Measuring Geographic Concentration and Regional Disparities; 3.4.2. Three Decades of EPO Patenting in Europe; 3.5. Identifying Research Clusters and Co-Agglomeration in Europe; 3.5.1. Research Clusters, Cities and Inventorship; 3.5.2. The Research Cluster Index; 3.5.3. Patent Data, Regional Typology and Technology Fields; 3.5.4. Research Clusters in Europe by Technology Field; 3.5.5. Co-Agglomeration of Research Clusters in Europe 3.5.6. Research Clustering in Urban Areas and Capital Regions 4. European Co-Patenting Networks and Inter-Regional Linkages; 4.1. Analyzing European Research Collaborations; 4.2. Spatial Interdependence of European Patenting Activity; 4.2.1. Measuring Spatial Interdependence; 4.2.2. Spatial Interdependence of Patenting Activity in Europe; 4.3. European Co-Patenting Networks, Inter-Regional Linkages and Foreign Co-Inventors; 4.3.1. International versus Inter-Regional Co-Patenting Linkages; 4.3.2. The Relational Database; 4.3.3. The Research Methodology 4.3.4. Foreign Co-Inventors and Cross-Country Research Collaborations in Europe

Sommario/riassunto

Regional disparities and spatial clustering are ubiquitous in today's world. This study contributes with empirical findings on the distribution of European research and patenting activity since the 1980s at the regional level. Besides a general theoretical part, it offers a quantitative clustering analysis, which makes use of EPO patent applications and a harmonized regional and technological classification. Moreover, the pan-European study incorporates a structural analysis of inter-regional co-patenting networks at the regional and technological level that covers the 1990s and 2000s. Finally, European regional income and growth disparities are addressed by placing emphasis on the spatial distribution of research activity and the regional settlement structure.
