

# Smart Specialisation Opportunities And Challenges For Regional Innovation Policy Regions And Cities

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"Smart Technologies" for Society, State and Economy Elena G. Popkova 2020-10-15 This proceedings book presents a comprehensive view of “smart” technologies and perspectives of their application in various areas of economic activity. The authors of the book combined the results of the cutting-edge research on the topic of “smart” technologies in the digital economy and Industry 4.0 and developed a unified scientific concept. The current experience has been considered, and the prospects for the application of “smart”

technologies in society to promote social advance have been identified. “Smart” technologies in public administration and law, as well as the experience in development of e-government, have been examined. “Smart” technologies in business activity have been studied, and the transition from digital business to business 4.0 has been justified. The book contains the collection of the best works following the results of the 13th International Research-to-Practice Conference “Smart Technologies” for society, state and economy which was run by the Institute of Scientific Communications (ISC) and was held on July 2–3, 2020. The target audience of this book includes researchers investigating fundamental and applied problems of development of “smart” technologies, as well as concerned parties outside the academic community, in particular, representatives of the digital society, high-tech business entities and officials regulating the digital economy and Industry 4.0.

Smart Specialization Strategies and the Role of Entrepreneurial Universities Caseiro, Nuno 2018-11-02 One of the most pivotal tasks of a regional government is to find different and innovative ways to develop their economies. Formulating universities, in that respect, potentially holds the key to competitive global economic success. Smart Specialization Strategies and the Role of Entrepreneurial Universities is a crucial reference source that examines a new competitive paradigm where universities can act as a partner institution, policy actor, and producer of knowledge that can affect the potential for economic growth and development of regions. While highlighting topics such as economic development, entrepreneurship ecosystem evolution, and regional competitiveness, this publication explores the varying dynamics that are evolving toward the successful mobilization of

university resources on regional economies. This book is ideally designed for policymakers, administrators, researchers, developers, academicians, marketers, and business professionals.

Quantitative Methods for Place-Based Innovation Policy Roberta Capello 2020-07-31 Place-based innovation policy design requires an in-depth understanding of territories and their complexity. Traditional statistics, with a lack of publicly available data at the disaggregated (sub-sectoral and regional) level, often do not provide adequate information. Therefore, new methods and approaches are required so that scientists and experts that can inform decision-makers and stakeholders in choosing priorities and directions for their innovation strategies. The book replies to such a need by offering advanced mapping methodologies for innovation policies with a special focus on approaches that take into account place-based policies.

The Oxford Handbook of Local Competitiveness David B. Audretsch 2015-08-03 The local levels of economies have felt the impact of technological change and globalization. These forces have triggered the need to understand the dynamic mechanisms that enable locales to respond to such changes. For example, the downsizing of traditional employers because of a major loss in market share due to new competitors, acquisition by global firms, or off-shoring of production or services was traditionally thought to be beyond the scope of powers of local policy makers, thinkers, and business leaders. In the world of practice, those concerned about the economic performance of place-city, region or state-are increasingly focused on how to adapt to these trends and leverage their existing resources to respond to these global challenges as a positive opportunity. The Oxford Handbook of Local

Competitiveness brings together some of the leading minds in the fields of business, economics, and the social sciences to identify, articulate, and analyze what influences and shapes local competitiveness and what places can do to enhance their economic performance. The contributors to the Handbook provide a body of systematic analyses suggesting that the local context is a critical element of the forces that shape competitiveness. The challenges to generate and sustain economic performance vary across places, and the factors and conditions that either enhance or impede competitiveness also are place-specific. Finally, the characteristics and nature of what constitutes success also vary across places. This Handbook is essential reading material for academics in the fields of economics and public policy, as well as business leaders who hope to gain a more in-depth understanding of their field. Informative and intellectually rigorous, The Oxford Handbook of Local Competitiveness is the definitive volume of scholarly analysis regarding the relationship between place and economic competition.

Partnerships for Regional Innovation and Development Marta Gancarczyk 2021-08-06 This monograph presents the experience in the implementation of smart specialization strategies (S3) from multilevel policy governance, as well as from the bottom-up perspectives of firms, clusters, and networks in selected European countries. The presented research focuses on relevance and feasibility of the S3 adoption, emphasizing the importance of linking policy considerations with partnerships at lower governance levels. The major contribution of the presented research rests in theoretical implications and practical recommendations relevant for the implementation of regional S3 in the European context, with the possibility of place-

based adoption in other environments. The book is also valuable for synthesizing the most recent advancements in smart specialization as a policy concept and the concept of transformation and growth for territorial units and economic entities. This book aims to further diffuse and expand the academic community's learning of the new S3 approach in Europe and beyond. The book will be of interest and useful to the academic community of researchers and doctoral students focused on regional innovation development and related policy, as well as on entrepreneurship, networks, and clusters. Public sector professionals dealing with regional development, regional innovation policies, and industrial transformation will also benefit from its content.

Regions and Innovation Policies in Europe Manuel González-López 2020-04-24 Offering a novel contribution within the growing field of regional innovation policies, this book combines recent theoretical developments and empirical contributions, with a particular focus on non-core regions. Leading academics in the field discuss the topics of regional path transformation, place-based strategies and policy learning. Also included are sections on the role of EU institutions on the promotion of regional innovation and the analysis and comparison of the innovation policies experiences of four non-core European regions.

The Life Cycle of Clusters 2017-04-28 One-size-fits-all cluster policies have been rightly criticized in the literature. One promising approach is to focus cluster policies on the specific needs of firms depending on the stage of development (emergence, growth, sustainment or decline) their cluster is in. In this highly insightful book, these stage-specific cluster policies are analysed and evaluated. Moreover, several chapters also focus on smart specialization

policies to promote regional development by taking into account the emergence and adaptation of clusters and industries.

Industry 4.0 and Regional Transformations Lisa De Propris 2020-04-30 This edited volume brings together a group of expert contributors to explore the opportunities and the challenges that Industry 4.0 (smart manufacturing) is likely to pose for regions, firms and jobs in Europe. Drawing on theory and empirical cases, it considers emerging issues like servitization, new innovation models for local production systems and the increase in reshoring. Industry 4.0 and Regional Transformations captures the complexity of this new manufacturing model in an accessible way and considers its implications for the future. It will be essential reading for advanced students and researchers and policy makers in regional studies, industrial policy, economic geography, innovation studies, operations management and engineering.

Knowledge Spillovers in Regional Innovation Systems Jan Stejskal 2018-03-07 This book provides an assessment of the evolution and dynamics of regional innovation systems (RISs) and the economic and social impact of resulting knowledge spillovers, presenting comparative case studies on the regions of several Central and Eastern European (CEE) countries (Czech Republic, Poland, Hungary, Slovakia, Lithuania and Estonia). It analyses RISs on the basis of several dimensions, such as absorption capacity and intellectual capital, and using several methods such as data envelopment analysis, patent network analysis, and weighted sum approach. Further, by looking at the economic and social impact of knowledge spillovers in RISs and networking, it identifies key distinguishing factors, including foreign

direct investments, still prevalent centralized decision-making, EU-driven innovation policies and public financing of innovations. Sectoral case studies, e.g. from the automobile, chemical and other hi-tech manufacturing industries, are presented to help readers understand the different types of knowledge spillovers in CEE countries and the evolution and dynamics of RISs, and provide a multifaceted overview of the CEE regions.

Regional Innovation Impact of Universities Robert Tijssen 2021-05-28 Driven by European Union policy challenges, this cutting-edge book focuses upon the Regional Innovation Impact (RII) of universities, to analyse the socioeconomic impact that universities in Europe have on their hometowns, metropolitan areas and regions.

Rethinking the Social in Innovation and Entrepreneurship Callegari, Beniamino 2022-03-10 Offering a comprehensive classification of the analytical approaches to the social within the fields of innovation and entrepreneurship studies, this book showcases a wide variety of perspectives and a collection of theoretical analysis tackling social complexity.

Measuring Regional Specialisation Katarzyna Kopczewska 2017-08-31 This book explores statistical models in regional specialization, presenting a brand new measure. It begins by reviewing existing indicators and models of regional specialization before outlining a newly created, spatially embedded model of specialization based on the spatial distribution of firms. It addresses the various applications of the model, and how the model can be used in regional policy.

Building an Entrepreneurial and Sustainable Society Hernández-Sánchez, Brizeida R. 2020-03-27 As the global economy continues to evolve, the idea of sustainability has become a

prevalent area of concentration. Businesses are searching for more environmentally and socially conscious practices as the market distances itself from the industrial age. Implementing sustainable initiatives starts with entrepreneurs, as these individuals are the foundation for creating and building profitable societies. Understanding the practice of sustainable entrepreneurship is pivotal in predicting future trends in business and the economy. Building an Entrepreneurial and Sustainable Society provides emerging research exploring the theoretical and practical aspects of sustainability within entrepreneurship and its applications in modern socioeconomics. Featuring coverage on a broad range of topics such as public policies, internationalization, and social innovation, this book is ideally designed for entrepreneurs, business specialists, professionals, researchers, managers, economists, educators, scholars, and students seeking current research on the evolution of sustainable entrepreneurship and its contextual factors.

Governing Smart Specialisation Dimitrios Kyriakou 2016-10-04 In recent years, smart specialisation has been a key building block of regional economic and development policy across the European Union. Providing targeted support for innovation and research, it has helped identify those areas of greatest strategic potential, developing mechanisms to involve the fullest range of stakeholders, before setting strategic priorities and using the policy to maximize the knowledge-based potential of a region or territory. Governing Smart Specialisation contributes to the emerging debate about the role of the 'entrepreneurial discovery process' (EDP), which is at the heart of smart specialisation strategies for regional economic transformation. Particular focus is placed on what methods, procedures and

institutional conditions are necessary in order to generate information that helps buttress policy decisions. It draws on existing literature that analyses the relevance of EDP within smart specialisation for regional policy. Chapters are complemented with case studies about regions with different geographical and socioeconomic characteristics in Europe: from Norwegian regions to the Greek region of East Macedonia and Thrace. As one of the first books to directly address the EDP, this is essential reading for students interested in regional economics, public policy, urban studies and technology innovation, as well as for policy makers in regional and national administrations.

New Metropolitan Perspectives Francesco Calabrò 2018-05-18 This book explores the role of cities and the urban–rural linkages in spurring innovation embedded in spatial planning, strategic and economic planning, and decision support systems. In particular, the contributions examine the complexity of the current transitional phase towards achieving smart, inclusive and sustainable growth, and investigate the post-2020 UE cohesion policy. The main topics include: Innovation dynamics and smart cities; Urban regeneration – community-led and PPP; Inland and urban area development; Mobility, accessibility, infrastructures; Heritage, landscape and Identity; and Risk management, Environment and Energy. The book includes a selection of articles accepted for presentation and discussion at the 3rd International Symposium New Metropolitan Perspectives (ISTH2020), held at the University of Reggio Calabria, Italy on 22–25 May 2018. The symposium, which addressed the challenge of local knowledge and innovation dynamics towards territory attractiveness,

hosted the final event of the MAPS-LED project under Horizon2020 – MSCA RISE. Smart Development for Rural Areas André Torre 2020-10-11 This thought-provoking book questions the framework of the Horizon 2020 strategy and the policies of smart development. It aims to answer the following question: Is there any possibility for a policy of smart development and smart specialization in rural and peri-urban areas? Based on detailed analytical studies, empirical and econometric methods, as well as various European case studies, several conclusions are drawn. Smart development policies are well adapted to the developed or intermediate regions containing at the same time rural and urban areas, but do not really function for the more rural or more peripheral regions. The development policies of rural areas must be adapted to their particular characteristics, to the structure of their economies (agriculture, small firms), as well as in their diversity (distant regions, intermediate regions, rural areas near the urban areas). It appears interesting to exploit natural and cultural amenities, to develop the multifunctional character of the agriculture, to promote territorial innovation under all its forms, to favor the synergies between the various uses of land and space, and to develop the knowledge on the ecological, socioeconomic processes, as well as on the mechanisms of territorial governance. These results are very important because they question the validity of the H2020 policy and the smart development and smart specialization policies and their applicability to the whole European area, and not only for the most urban and rich areas. It will be valuable reading for students, researchers and policy-makers in regional development, rural studies, spatial planning and economic

geography.

The Entrepreneurial Discovery Process and Regional Development Åge Mariussen 2018-12-20 There is a broad and long-standing debate on possible solutions to the regional vulnerabilities of globalisation. In 2014, the European Commission began implementing Smart Specialisation Strategy, a place-based strategy of growth, regional transformation and new industrial policy with collective entrepreneurial discovery processes (EDP) at its core. This volume approaches the mystery of entrepreneurial discovery; that is, how relevant knowledge is created, converted and shared in a process of discovery. These essays bring together scholars from economics, geography, sociology, organisation studies, innovation studies, and complexity theory, offering new approaches to overcome the limitations of place-based development and suggesting improved methods leading to growth.

EU Regional and Urban Policy Valeria Fedeli 2019-12-07 The book critically reflects on some of the most important novelties and experimentations in the context of the European Union's renewed urban and regional policy in the last programming period, 2014-2020. In particular, it examines four main innovations characterizing this period, which emerged as a result of the deep rethinking and reorganization of Cohesion Policy in the spirit of the place-based approach to local development, i.e. the development of the smart specialization strategy, the establishment of macro-regions, the focus on the urban dimension as a horizontal priority, and the role of social innovation in urban policy. Unlike other similar books, it analyzes the urban dimension of the reformed EU cohesion policy, especially focusing on its interplay with the regional dimension, and which has not been fully addressed

to date. The book is intended for social scientists engaged in research on European issues, especially from regional and urban perspectives, policy-makers, particularly at the local level, and graduate students interested in regional and urban European matters.

Advances in the Theory and Practice of Smart Specialization Slavo Radosevic 2017-08-17  
Regional growth in the European Union hinges to a large extent on smart specialization, a new and exciting theme in economic innovation studies. Advances in the Theory and Practice of Smart Specialization illuminates problems that have stifled the implementation of smart specialization policies, such as unique regional constraints and the inter-dependent demands of economic growth and commercial development. Forward-looking and pragmatic, it provides guidance for developing smart specialization strategies both to those involved in European affairs and others grappling with regional innovation and economic development worldwide. Emphasizes specific contexts for smart specialization, its international approach and institutional preconditions Examines comparable initiatives worldwide Explains how to implement smart specialization policies given different development levels of regions and countries

New Paths of Entrepreneurship Development Luísa Cagica Carvalho 2018-12-30  
Structural change is an evolutionary process that is often cumulative within territories, improving the quality of life and achieving higher development levels. At the same time, smart cities, education and social innovation are essential to promoting sustainable development. This book examines regional and entrepreneurial development as a creative and dynamic concept by considering the role of these dimensions in promoting a virtuous cycle for long-

term sustainable development.

Strategies for Shaping Territorial Competitiveness Jesús M. Valdaliso 2015-04-10 This book focuses on the main challenges that cities, regions and other territories at sub-national level face when it comes to designing and implementing a territorial strategy for economic development and competitiveness. There is a widespread recognition that territories need to construct strategies that focus on shaping sustainable competitive advantages. To do this they draw upon their own unique resources and capabilities alongside intelligence on existing technological and market trends. However, there is still a notorious lack of both theoretical and empirical research on this issue. The first part of this book develops a theoretical framework for understanding and analysing territorial strategy. This framework asks three questions of territorial strategy – what for, what, and how – looking closely at the key relationship between strategy and policy. The second part is dedicated to exploring this framework in practice through application to a series of unique cases from around the world at different territorial levels, from regions such as the Basque Country, Navarre and Murcia in Spain, Okanagan (British Columbia) in Canada, Wales in the United Kingdom, and the cross-border region of the Øresund in Denmark–Sweden, as well as the city of Rafaela in Argentina. Each case offers something different and enables the framework to be thoroughly tested, generating concluding reflections that add real value for scholars and policy-makers interested in and working in the field of territorial strategy. This volume is intended for the academic community, the policy community (government leaders, policy-makers, policy researchers and consultants) and university students and teachers at different levels

interested in the areas of territorial competitiveness, regional development, competitiveness policies and processes of territorial strategy.

Broad-based Innovation Policy for All Regions and Cities OECD 2020-10-15 This publication summarises the main findings of a series of high-level expert workshops, organised with support by the European Commission, to deepen the understanding how OECD countries can move towards a broad-based form of innovation policy for regions and cities.

Weaknesses in technology and knowledge diffusion are weighing on productivity growth and innovation in OECD countries, particularly in firms that are distant from the technological frontier (global or national). This in turn weakens their capacity to meet future challenges and undermines inclusive growth.

Revitalising Lagging Regions Mariachiara Barzotto 2019-12-20 This Expo book brings together leading academic and policymaker experts to reflect on the significant challenges faced by lagging regions in participating in the European Union's Research and Innovation Strategies for Smart Specialisation (RIS3) programme. In doing so, the book offers a set of new policy recommendations on the design and implementation of appropriate Smart Specialisation Strategies (S3) in lagging regions, which may enable them to benefit from the opportunities of digitalisation and Industry 4.0 (I4.0).

EU Cohesion Policy John Bachtler 2016-10-26 The Open Access version of this book, available at <http://www.tandfebooks.com/doi/view/10.4324/9781315401867>, has been made available under a Creative Commons Attribution-Non Commercial-No Derivatives 3.0 license. This book brings together academics, members of European institutions, and

regional and national level policymakers in order to assess the performance and direction of EU Cohesion policy against the background of the most significant reforms to the policy in a generation. Responding to past criticisms of the effectiveness of the policy, the policy changes introduced in 2013 have aligned European Structural and Investment Funds with the Europe 2020 strategy and introduced measures to improve strategic coherence, performance and integrated development. EU Cohesion Policy: Reassessing performance and direction argues that policy can only be successfully developed and implemented if there is input from both academics and practitioners. The chapters in the book address four important issues: the effectiveness and impact of Cohesion policy at European, national and regional levels; the contribution of Cohesion policy to the Europe 2020 strategy of smart, sustainable and inclusive growth; the importance of quality of government and administrative capacity for the effective management of the Funds; and the inter-relationships between institutions, territory and place-based policies. The volume will be an invaluable resource to students, academics and policymakers across economics, regional studies, European studies and international relations.

Strategic Approaches to Regional Development Iryna Kristensen 2018-12-18 The existence and persistence of regional disparities between European regions require context-tailored policies to promote structural change. This book explores the congruence between place-based development and regional competitiveness in the EU context. Drawing on a range of social science disciplines, this book unpicks the complexity of regional transformation processes, aiming to enhance the applicability and transferability of theoretical approaches

to innovation and place-based regional development in diverse European territorial settings. The contributors have a particular focus on less-favoured regions and on the application of Smart Specialisation – a strategic approach to innovation-based regional development – to the issues at hand. The book comes at a critical moment, meeting the growing demand of academics, practitioners and policymakers with an interest in promoting regional economic growth and well-being.

Life Cycle of Clusters in Designing Smart Specialization Policies Giuseppe Pronesti 2018-11-30 This book investigates cluster-life-cycle (CLC) analysis to inform the entrepreneurial discovery process (EDP), in order to support the effectiveness of the smart specialization strategy (S3). It focuses on the evolutionary analysis of clusters' development stages (emergence, development, maturity, decline/transformation), highlighting how different phases of the CLC have a different role in informing S3-policy-making and identifying regions' potentials to specialize. In so doing, it offers an original conceptual model that explains what information can be provided by CLC analysis in the effective design and implementation of S3 and EDP, systematizes clusters' stage-specific features, and unveils the role played by each CLC stage. It contributes to the emerging academic debate on the role of the CLC concept in policy-making, by highlighting the importance of CLC analysis in dynamically investigating regional contexts and tailoring development policies such as S3. The book is an invaluable resource for academics and regional policy makers, providing them with guidance and recommendations on how to effectively approach the design and

implementation of S3 and EDP, by fully tapping the potential of CLC analysis.

Governing Smart Specialisation Dimitrios Kyriakou 2016-10-04 In recent years, smart specialisation has been a key building block of regional economic and development policy across the European Union. Providing targeted support for innovation and research, it has helped identify those areas of greatest strategic potential, developing mechanisms to involve the fullest range of stakeholders, before setting strategic priorities and using the policy to maximize the knowledge-based potential of a region or territory. Governing Smart Specialisation contributes to the emerging debate about the role of the 'entrepreneurial discovery process' (EDP), which is at the heart of smart specialisation strategies for regional economic transformation. Particular focus is placed on what methods, procedures and institutional conditions are necessary in order to generate information that helps buttress policy decisions. It draws on existing literature that analyses the relevance of EDP within smart specialisation for regional policy. Chapters are complemented with case studies about regions with different geographical and socioeconomic characteristics in Europe: from Norwegian regions to the Greek region of East Macedonia and Thrace. As one of the first books to directly address the EDP, this is essential reading for students interested in regional economics, public policy, urban studies and technology innovation, as well as for policy makers in regional and national administrations.

The Routledge Companion to European Business Gabriele Suder 2018-07-20 International Business is a well-established research field, in which regionalisation has recently gained significant prominence. Europe comprises marketplaces characterised by unique patterns of

highly advanced economic integration. No other marketplace in the world has progressed to the same levels of harmonisation across sovereign countries and economies. European Business is a subject in its own right with its own research momentum. Contemporary research evidences that firms view Europe as a challenging, mostly – yet not entirely – mature market location. Yet this location, often seen from a multi-country perspective, is subject to complexities revealing strategic corporate strengths and weaknesses. Theory, concepts and models known from International Business hence often vary in their applicability and relevance in this business environment. This comprehensive reference volume brings together a global team of contributors to analyse and overview the key issues, themes and phenomena that affect business in Europe. With interdisciplinary perspectives, the book covers crucial themes that any European Business research needs to acknowledge, including business cultures and identity, entrepreneurship and innovation, M&A and institutional trends, European HRM, migration, climate change issues, Brexit, and more. The selection of authors, from 17 countries worldwide, reflects the international scope of this research field and its agenda. A unique resource, this book provides an essential guide to researchers, research students and scholars of business and the social sciences, as well as the informed business community.

Regional Innovation Strategies 3 (RIS3) Roberta Capello 2018-12-07 With regions and nations having formally fulfilled the ex ante conditionality, this book provides a first overall review of RIS3 policy processes, aiming to assess the consistency of the concept of smart specialization from an applied, policy-oriented perspective. Moving from the theory of design

to the practice of implementation, the reflections and case studies in this volume reveal strengths and weaknesses in the way concrete strategies have been conceived and implemented, enabling reflections on the future of the concept in a more general sense. In many cases, smart specialization strategies turn out to be new variants of regional development policies, embracing the importance of a place-based approach. However, the approach's potential to add distinctive value will stem from its capacity to turn innovation and knowledge into tools for local development by harnessing them for wider territorial development goals. By helping regions to identify and leverage untapped resources through new processes, smart specialization-based policies may help to reconcile cohesion and competitiveness objective. Consequently, new approaches appear most promising where institutional, administrative and political conditions allow the setup of genuinely new processes and where their focus is on territorial assets in a comprehensive manner rather than mere industrial renewal. This book was originally published as a special issue of European Planning Studies.

Handbook of Regions and Competitiveness Robert Huggins 2017-03-31 The aim of this Handbook is to take stock of regional competitiveness and complementary concepts as a means of presenting a state-of-the-art discussion of the contemporary theories, perspectives and empirical explanations that help make sense of the determinants of uneven development across regions. Drawing on an international field of leading scholars, the book is assembled and organized so that readers can first learn about the theoretical underpinnings of regional competitiveness and development theory, before moving on to

deeper discussions of key factors and principal elements, the emergence of allied concepts, empirical applications, and the policy context.

Entrepreneurship, Technology Commercialisation, and Innovation Policy in Africa Chux Daniels 2021-01-04 This book provides a comprehensive overview of role of entrepreneurship, technology commercialisation and innovation policy for the achievement of economic development and prosperity in African societies. It adopts a broad innovation systems approach. The book examines entrepreneurship, innovation, and technology commercialisation alongside context-specific factors associated with them. It also provides an interdisciplinary perspective, by discussing the above disciplines in a connected way. This book is presented in three distinct parts. It starts by discussing entrepreneurship and the state of the entrepreneurial ecosystem in Africa. It then moves on to present technology commercialisation in Africa, before finally discussing the future directions for entrepreneurship, technology commercialisation and innovation policy. This broad picture provided in the book enables the reader to grasp the relevant messages, whilst the detailed analysis applies world-class theories and frameworks to deepen the readers understanding of key concepts and issues examined.

New Metropolitan Perspectives Carmelina Bevilacqua 2020-01-01 This open access book presents the outcomes of the symposium "NEW METROPOLITAN PERSPECTIVES," held at Mediterranea University, Reggio Calabria, Italy on May 26-28, 2020. Addressing the challenge of Knowledge Dynamics and Innovation-driven Policies Towards Urban and Regional Transition, the book presents a multi-disciplinary debate on the new frontiers of

strategic and spatial planning, economic programs and decision support tools in connection with urban-rural area networks and metropolitan centers. The respective papers focus on six major tracks: Innovation dynamics, smart cities and ICT; Urban regeneration, community-led practices and PPP; Local development, inland and urban areas in territorial cohesion strategies; Mobility, accessibility and infrastructures; Heritage, landscape and identity; and Risk management, environment and energy. The book also includes a Special Section on Rhexion United Nations 2020-2030. Given its scope, the book will benefit all researchers, practitioners and policymakers interested in issues concerning metropolitan and marginal areas.

Proceedings of the II International Triple Helix Summit Abid Abu-Tair 2019-11-30 This volume gathers the latest advances and innovations in the triple helix of university-industry-government relations, as presented by leading international researchers at the II International Triple Helix Summit 2018, held in Dubai, UAE on November 10-13, 2018, which brought together experts, practitioners and academics across disciplines that address the dynamics of government, industry and academia. It covers analysis, theory, measurements and empirical enquiry in all aspects of university-industry-government interactions, as well as the international bases and dimensions of triple helix relations, their impacts, and social, economic, political, cultural, health and environmental implications. It also examines the role of government/academia/industry in building innovation-based cities and nations, and in transforming nations into knowledge-based sustainable economies. The contributions, which were selected by means of a rigorous international peer-review process, highlight numerous

exciting ideas that will spur novel research directions and foster multidisciplinary collaboration among different specialists.

Smart Specialisation Dominique Foray 2014-08-13 This is the first book on a new policy approach that has been widely adopted in Europe and beyond. It analyses the concept of smart specialisation and discuss the need for smart specialisation strategies, explains why the approach is new and different from more standard policy processes and explores what are the conditions for successful implementation. Smart Specialisation: Opportunities and Challenges for Regional Innovation Policy describes the origin of the concept, explains when a smart specialisation policy is necessary, provides a detailed analysis of the design principles of the policy and discuss the pertinence of this approach according to regional development levels. Finally the book discuss the practical implementation phase of the process – based on the first feedback acquired from certain regions engaged in the preparation of their smart specialisation strategy. The book is original in that it provides the first full analysis of smart specialisation strategies both at theoretical and practical levels. It has been written at the critical period of the implementation of smart specialisation strategies in every region in Europe. The fact that the EU has adopted smart specialisation as a mandatory principle for every region and member states will make this book well received by and very useful for: i) policy makers in regional and national administrations in Europe, ii) policy makers in other parts of the world who are in charge of regional policy and have heard about the concept, iii) consultants, analysts and experts who are active on the "markets for smart specialisation diagnosis and expertise", iv) scholars, researchers and graduate

students working in the field of regional studies, technology policy and geography of innovation.

Regional Helix Ecosystems and Sustainable Growth Luís Farinha 2020-08-29 This book discusses the importance of innovation and entrepreneurial ecosystems in supporting regional competitiveness. It also encourages academics, business professionals and policy-makers to rethink innovation ecosystems as drivers of regional competitiveness, demonstrating the complex interactions between regional economic and social actors, and their impact on regional competitiveness. Further, the book examines the role of entrepreneurship and innovation policies in different regions (e.g. lagging regions, rural regions, etc.), and describes critical success factors in multi-level technologies and innovation policies and strategies.

Smart Development in Smart Communities Gilberto Antonelli 2016-09-13 The concept of smart cities has become one of the most significant new lines of thinking to emerge in the social sciences in recent years, both from the research and policy angles. To date, the focus in smart specialization has been on what regions as a whole can do to bring about innovation, but it hasn't necessarily addressed the role cities play within the field. This book aims to address that gap, drawing together a team of leading contributors, to illustrate this process with particular focus on cities. Smart Development in Smart Communities discusses the cross-fertilization between smart specialization and cities in fostering smart development and its interactions with the macro-, micro- and meso-economic framework, from both a theoretical and applied perspective. Specific topics covered by the book include: human

capital formation and utilization; centralized/decentralized industrial policies; innovation policies; collective learning; and the role of public utilities in sustaining smart development processes. This book tackles some of the most important questions that must be faced when investigating how structural change and innovation processes are shaping local and global economic development. It will be of interest to academics and researchers in the area of Development Economics, Urban Studies and Public Management.

Technical, Economic and Societal Effects of Manufacturing 4.0 Mikael Collan 2020-07-28

This open access book is among the first cross-disciplinary works about Manufacturing 4.0. It includes chapters about the technical, the economic, and the social aspects of this important phenomenon. Together the material presented allows the reader to develop a holistic picture of where the manufacturing industry and the parts of the society that depend on it may be going in the future. Manufacturing 4.0 is not only a technical change, nor is it a purely technically driven change, but it is a societal change that has the potential to disrupt the way societies are constructed both in the positive and in the negative. This book will be of interest to scholars researching manufacturing, technological innovation, innovation management and industry 4.0.

New Avenues for Regional Innovation Systems - Theoretical Advances, Empirical Cases and Policy Lessons Arne Isaksen 2018-03-01 This book discusses the latest theoretical advances in regional innovation research, presents empirical cases involving the development of regional innovation systems (RISs), and explores regional innovation policy approaches. Grounded in the extensive literature on RISs, it addresses state-of-the-art

developments in light of recent theoretical advances in economic geography and related disciplines. Written in honor of Bjørn Asheim's seventieth birthday, the book includes novel and carefully selected chapters prepared by collaborators, colleagues and former PhD-students of one of the founding fathers of RIS research. Further, it makes a significant contribution to the academic debate on regional innovation and growth and offers valuable insights for scholars and policymakers alike.

The Empirical and Institutional Dimensions of Smart Specialisation Philip McCann 2016-11-25 Smart specialisation is the new policy approach to the development of regional innovation systems across Europe and it involves fostering innovative and entrepreneurial initiatives which are well tailored to the local context. The different technologies, skills profiles, business activities, institutions and sectors which reflect a region's economic strengths and potential are to be fostered and encouraged to diversify in ways which also exploit the region's linkages with broader global value-chains. Yet, the ideas contained in the smart specialisation agenda have until now been primarily conceptual in nature. The Empirical and Institutional Dimensions of Smart Specialisation draws together some of the leading regional economists and scientists in Europe to analyse how smart specialisation is working in practice. This book investigates different dimensions of the agenda as it is developing across parts of Europe from both quantitative and qualitative perspectives. The quantitative analysis examines the nature of the diversification processes undertaken by regions and the interplay between the chosen local regional development priorities and the wider global value-chain impacts of these choices. Meanwhile, the qualitative analysis examines the institutional

opportunities and challenges facing policy makers and the key elements most likely to provide the underpinnings of a workable set of policy settings. The book is aimed both at academic researchers interested in the interface between economic geography and regional innovation systems as well as at policy makers making public policy decisions related to regional development at the local, city, regional or national levels.

Sustainable Urbanization Mustafa Ergen 2016-09-28 The rapid urbanization that began with industrialization has begun to cause many problems. New approaches are emerging today to minimize these problems and make urban areas more livable. These problems include insufficient social facilities in urban areas for increasing populations due to migration and unbalanced use of green areas, water, and energy resources due to urbanization. Careless consumption and the pollution of natural resources will cause people many more problems in the future than they do today in urban development. Many professional disciplines have noticed this unbalanced development in urban areas. Urban areas have larger populations than rural areas today. Urban areas are developed neglectfully. Sustainability is needed as a criterion for urban areas to develop in a more livable and healthy fashion. Sustainable urban development approaches are seen in many fields, ranging from land use to the use of natural resources in urban areas.