

Data And The City (Regions And Cities)

This book comprises a selection of the top contributions presented at the second international conference “Smart and Sustainable Planning for Cities and Regions 2017”, held in March 2017 in Bolzano, Italy. Featuring forty-six papers by policy-makers, academics and consultants, it discusses current groundbreaking research in smart and sustainable planning, including the progress made in overcoming cities’ challenges towards improving the quality of life. Climate change adaptation and mitigation of global warming, generally identified as drivers of global policies, are just the “tip of the iceberg” when it comes to smart energy transition. Indeed, equally relevant towards this current transformation – and key topics in this volume – are ICTs, public spaces and society; next economy for the city; strategies and actions for good governance; urban-rural innovation; rethinking mobility. The book’s depth in understanding and insightfulness in re-thinking demonstrate the breaking of new ground in smart and sustainable planning. A new ground that policy-makers, academics and consultants may build upon as a bedrock for smart and sustainable planning.

Assisted by globalization and the rapid application of advanced technologies, the transformative power of urbanization is being felt around the world. The scale and the speed of existing and projected urbanization poses several challenges to researchers in multiple disciplines, such as computer science, engineering, and the social sciences. Optimizing Regional Development Through Transformative Urbanization provides emerging research exploring the theoretical and practical aspects of applications within urban growth interventions. It also explores the strategies for new urban development tools such as the rise of new platforms for digital activities, concepts of sharing economy, collaborative economy, crowdsourcing, and crowdfunding. Featuring coverage on a broad range of topics such as cryptocurrencies, public-private partnership, and urban governance, this book is a vital reference for city development planners, decision makers, policymakers, academicians, researchers, and professionals seeking current research on the delivery of transformative urbanization changes.

This book addresses the South African Space Economy and its stark disparities and dualisms through an assessment of the Gauteng City-Region – the largest economic agglomeration in the country and on a continent bedevilled by a myriad of development challenges. The book’s focus on understanding the overall character of Gauteng City-Region’s Space Economy – through data mining/analysis and mapping – comprehensively supplements the Space Economy literature on the region. It covers the disparities exacerbated by an overlay of apartheid planning ideology and top-down regional development based on selective encouragement of manufacturing investments in growth points or poles and how implementation of past policies intended to cure these disparities have yielded mixed results. This book further offers the Gauteng City-Region as a microcosm of the national economy in the form of evident significant placed-based variations in the intensity and character of economic structure that on the one hand enjoys massive agglomeration economies, while on the other, has high levels of poverty and large numbers of people living below the Minimum Living Level. This book should appeal to urban studies specialists, economists and development studies researchers in the Global South.

A political scientist and an urban architect explore China’s odyssey to become an ecological civilization and transform its massive, unsustainable, urbanization process into one that creates hundreds of eco-cities. The resulting From Eco-Cities to Sustainable City-Regions is the first book-length study combining analysis of politics and power, urban design and planning issues derived from the co-authors’ interdisciplinary research, and on-site fieldwork from their political science and architectural area specialties.

Reading City-Regions

OECD Urban Studies Decarbonising Buildings in Cities and Regions

Smart and Sustainable Planning for Cities and Regions

Sustainable City Regions:

Creative Regions in Europe

Johannesburg, Mumbai/Bombay, São Paulo, and Shanghai

The Image of the City

How should regional cities develop regional development strategies for their sustainable future? How can such strategies work effectively? Regional cities are now at a crossroads: will they decline or be regenerated under the impacts of globalization? Their sustainable regeneration as creative regional centers will play a decisive role in their sustainable development as a whole, but only with viable regional spatial strategies that strengthen the network of cities and their hinterlands. The concern here lies in urban regeneration and strategic spatial planning at the city-region level. This book records observations of 12 dynamically changing regional cities in Asia, Europe and the United States. The form of the city region, urban regeneration and strategic spatial planning as well as the local and regional governance of each city are examined. Through this empirical and comparative analysis, essential lessons are drawn, which will add a new perspective to discussions on the sustainable future of regional cities in an age of globalization.

The book examines the extent to which the sustained population growth of Australia’s heartland regional centres has come at the expense of demographic decline in their own hinterlands, and, ultimately, of their entire regions. It presents a longitudinal study, over the period 1947-2011, of the extensive functional regions centred on six rapidly growing non-metropolitan cities in south-eastern Australia, emphasising rapid change since 1981. The selected cities are dominantly service centres in either inland or remote coastal agricultural settings. The book shows how intensified age-specific migration and structural ageing arising from macro-economic reforms in the 1980s fundamentally changed the economic and demographic landscapes of the case study regions. It traces the demographic consequences of the change from a relative balance between central city, minor urban centres and dispersed rural population within each functional region in 1947, to one of extreme central city dominance by 2011, and examines the long-term implications of these changes for regional policy. The book constitutes the first in-depth longitudinal study over the entire post-WWII period of a varied group of Australian regional cities and their hinterlands, defined in terms of functional regions. It employs a novel set of indices which combine numerical and visual expression to measure the structural ageing process.

There is a long history of governments, businesses, science and citizens producing and utilizing data in order to monitor, regulate, profit from and make sense of the urban world. Recently, we have entered the age of big data, and now many aspects of everyday urban life are being captured as data and city management is mediated through data-driven technologies. Data and the City is the first edited collection to provide an interdisciplinary analysis of how this new era of urban big data is reshaping how we come to know and govern cities, and the implications of such a transformation. This book looks at the creation of real-time cities and data-driven urbanism and considers the relationships at play. By taking a philosophical, political, practical and technical approach to urban data, the authors analyse the ways in which data is produced and framed within socio-technical systems. They then examine the constellation of existing and emerging urban data technologies. The volume concludes by considering the social and political ramifications of data-driven urbanism, questioning whom it serves and for what ends. This book, the companion volume to 2016’s Code and the City, offers the first critical reflection on the relationship between data, data practices and the city, and how we come to know and understand cities through data. It will be crucial reading for those who wish to understand and conceptualize urban big data, data-driven urbanism and the development of smart cities.

Governance of Europe’s City Regions considers the changing role of the European Union in regional issues, explores how national governments have become increasingly involved at the regional scale and examines the constitutional and political contexts in which regional and local governments operate. Detailed case studies of regionals in Germany and England illustrate contrasts in European approaches to the scale of government, and the complex interactions of international, national, regional and local scales of policy intervention. The book offers a unique perspective, which links together an analysis of both regional Europe and the local economic and political factors that shape successful regions.

A Long-Term Demographic Perspective

Entrepreneurial Learning City Regions

Smart City Citizenship

China’s Uncertain Quest for an Ecological Civilization

Planning, Policy & Politics

Governing Canada’s City-regions

Country and City Data Book

This timely book presents a wide range of quantitative methods, including complex network analysis and econometric modelling, to illustrate how the Internet both follows, and at the same time challenges, more traditional geographies. Emmanouil Tranos explores the spatiality of the Internet, its physical infrastructure, and the geographic and socio-economic factors that shape its spatial distribution. He shows that although the Internet is a technical system with strong topological attributes, an almost 'hidden' spatial dimension also exists. The scattering of Internet Backbone Networks across European city-regions is compared with the aviation network in order to better understand the topology of the digital infrastructure. Finally, a causality analysis demonstrates the significant positive effect of the Internet infrastructure in the economic development of regions characterized by high absorptive capacity. This book will prove a highly fascinating read for those with an interest in Internet geographies, ICTs, regional development and infrastructure, digital economy, network analysis, and regional science. Practitioners working on local and regional development, as well as those focusing on ICTs, digital economy and smart cities, will also find this book to be an invaluable reference tool.

The classic work on the evaluation of city form. What does the city’s form actually mean to the people who live there? What can the city planner do to make the city’s image more vivid and memorable to the city dweller? To answer these questions, Mr. Lynch, supported by studies of Los Angeles, Boston, and Jersey City, formulates a new criterion—imageability—and shows its potential value as a guide for the building and rebuilding of cities. The wide scope of this study leads to an original and vital method for the evaluation of city form. The architect, the planner, and certainly the city dweller will all want to read this book.

As global warming advances, regions around the world are engaging in revolutionary sustainability planning - but with social equity as an afterthought. California is at the cutting edge of this movement, not only because its regulations actively reduce greenhouse gas emissions, but also because its pioneering environmental regulation, market innovation, and Left Coast politics show how to blend the "three Es" of sustainability--environment, economy, and equity. Planning Sustainable Cities and Regions is the first book to explain what this grand experiment tells us about the most just path moving forward for cities and regions across the globe. The book offers chapters about neighbourhoods, the economy, and poverty, using stories from practice to help solve puzzles posed by academic research. Based on the most recent demographic and economic trends, it overturns conventional ideas about how to build more livable places and vibrant economies that offer opportunity to all. This thought-provoking book provides a framework to deal with the new inequities created by the movement for more livable - and expensive - cities, so that our best plans for sustainability are promoting more equitable development as well. This book will appeal to students of urban studies, urban planning and sustainability as well as policymakers, planning practitioners, and sustainability advocates around the world.

This second edition of Job Creation and Local Economic Development examines how national and local actors can better work together to support economic development and job creation at the local level.

City-Regions in Prospect?

County and City Data Book 1977

Job Creation and Local Economic Development 2016

Connecting Urban-Rural Spheres in Casablanca

Learning from Mega-City Regions in Europe

Europe and its Regions

Results of SSPCR 2017

Virtually every city-region in West and Central Europe has developed policies and strategies to attract, retain and encourage creative industries and knowledge-intensive services. Since most of these citiy-regions tend to see a creative knowledge economy as 'the best bet for the future', one of the main goals of such policies and strategies is increasing the international competitiveness of their city-region. Using the cities of Amsterdam, Barcelona, Birmingham, Helsinki, Leipzig, Manchester, and Munich as case studies, this book explores the spatial, economic, historical, socio-demographic, socio-cultural and political conditions that may determine whether a city-region is or can become attractive for creative and knowledge-intensive companies, and for the talented people working for or founding these companies. A comparison of the case studies and an overview of the key findings, similarities and differences which lead to policy recommendations as well as suggested directions for further research will make this book attractive to urban and regional academics, planners and students.

Europe is getting closer. So are European social sciences. However, this is easier done in theory development and central research questions. When it comes to data the mutual understanding is far from perfect, due to a lack of knowledge about the data bases of the respective countries and the EU in general. This is particularly true when it comes to the regional level. This volume will help to improve the insight into the rich stock of European datasets which cover any kind of regional information. Many institutions ranging from statistical offices to more academic research centres and commercial enterprises report their offerings with special emphasis on the regional level (e.g. European Community Household Panel, European Social Survey, Labour Force Survey). Central categories such as NUTS and LAU are explained and discussed. In addition, typical examples of socio-economic cross-border and multi-level studies highlight the power of a regionalized European perspective. Furthermore, information about special tools for such type of analysis is included in the volume.

Smart City Citizenship provides rigorous analysis for academics and policymakers on the experimental, data-driven, and participatory processes of smart cities to help integrate ICT-related social innovation into urban life. Unlike other smart city books that are often edited collections, this book focuses on the business domain, grassroots social innovation, and AI-driven algorithmic and techno-political disruptions, also examining the role of citizens and the democratic governance issues raised from an interdisciplinary perspective. As smart city research is a fast-growing topic of scientific inquiry and evolving rapidly, this book is an ideal reference for a much-needed discussion. The book drives the reader to a better conceptual and applied comprehension of smart city citizenship for democratised hyper-connected-virialised post-COVID-19 societies. In addition, it provides a whole practical roadmap to build smart city citizenship inclusive and multistakeholder interventions through intertwined chapters of the book. Users will find a book that fills the knowledge gap between the purely critical studies on smart cities and those further constructive and highly promising socially innovative interventions using case study fieldwork action research empirical evidence drawn from several cities that are advancing and innovating smart city practices from the citizenship perspective. Utilises ongoing, action research fieldwork, comparative case studies for examining current governance issues, and the role of citizens in smart cities Provides definitions of new key citizenship concepts, along with a techno-political framework and toolkit drawn from a community-oriented perspective Shows how to design smart city governance initiatives, projects and policies based on applied research from the social innovation perspective Highlights citizen’s perspective and social empowerment in the AI-driven and algorithmic disruptive post-COVID-19 context in both transitional and experimental frameworks

A unique comparative study based on funded research, of eleven city regions across three continents looking at changes over the last 30 years. Detailed changes in land use are presented here with series of maps prepared especially for the study. The socio-economic and physical forms of city regions have been examined for comparative study and the findings will be of interest to all those concerned with urban development in their professional and academic work. The book features numerous maps which underline research findings. Cities covered are: Ankara, Bangkok, Boston, Madrid, Randstad, San Diego, Chile, Sao Paulo, Seattle and the Central Puget, Taipei, Tokyo, West Midlands.

Counties, Regions, Divisions, States, Standard Metropolitan Statistical Areas, Cities

A Statistical Abstract Supplement, Regions, Division, States, Countries, Metropolitan Areas Cities

From Eco-Cities to Sustainable City-Regions

Governance of Europe’s City Regions

Their Emerging Forms

Promoting Growth in All Regions

This book provides a unique contribution to the science of sustainable societies by challenging the traditional concept of rural-urban dichotomy. It combines environmental engineering and landscape sciences perspectives on urban region issues, making the book a unique work in urban study literatures. Today’s extended urban regions often maintain rural features within their boundaries and also have strong social, economic, and environmental linkages with the surrounding rural areas. These intra- and inter- linkages between urban and rural systems produce complex interdependences with global and local sustainability issues, including those of climate change, resource exploitation, ecosystem degradation and human wellbeing. Planning and other prospective actions for the sustainability of urban regions, therefore, cannot solely depend on “urban” approaches; rather, they need to integrate broader landscape perspectives that take extended social and ecological systems into consideration. This volume shows how to untangle, diagnose, and transform urban regions through distinctive thematic contributions across a variety of academic disciplines ranging from environmental engineering and geography to landscape ecology and urban planning. Case studies, selected from across the world and investigating urban regions in East Asia, Europe, North America and South-East Asia, collectively illustrate shared and differentiated drivers of sustainability challenges and provide informative inputs to global and local sustainability initiatives.

Neoliberalism’s market revolution has had a tremendous effect on contemporary mega-city regions. The negative consequences of market-oriented politics for territorial growth have been recognized. While a lot of attention has been given to how planners and policy makers are fighting back political fragmentation through innovative governance and planning, little has been done to reveal such practices through an international comparative perspective. Governance and Planning of Mega-City Regions provides a comparative treatment and examination of how new approaches in governance and planning are reshaping mega-city regions around the world. The contributors highlight how European mega-city regions are evolving and how strategic intervention is being redefined to enable the integration of urban qualities in a multi-level governance environment; how traditional federal countries in North America and Australia see the promise of major policies and development initiatives finally moving ahead to herald a more strategic intervention at national and regional scales; and how transitional economies in China witness the rise of state strategies to control the articulation of scales and to reassert the functional importance of state in a growing diffused power context. This book offers case studies written from a variety of theoretical and political perspectives by world leading scholars. It will appeal to upper level undergraduates, postgraduates, researchers, and policymakers interested in urban and regional planning, geography, sociology, public administrations and development studies.

There are now more than three hundred city-regions around the world with populations greater than one million. These city-regions are expanding vigorously, and they present many new and deep challenges to researchers and policy-makers in both the more developed and less developed parts of the world. The processes of global economic integration and accelerated urban growth make traditional planning and policy strategies in these regions increasingly inadequate, while more effective approaches remain largely in various stages of hypothesis and experimentation. 'Global City-Regions' represents a multifaceted effort to deal with the many different issues raised by these developments. It seeks at once to define the question of global city-regions and to describe the internal and external dynamics that shape them; it proposes a theorization of global city-regions based on their economic and political responses to intensifying levels of globalization; and it offers a number of policy insights into the severe social problems that confront global city-regions as they come face to face

with an economically and politically neoliberal world. At a moment when globalization is increasingly subject to critical scrutiny in many different quarters, this book provides a timely overview of its effects on urban and regional development, one of its most important (but perhaps least understood) corollaries. The book also offers a series of nuanced visions of alternative possible futures.

This book examines the main sources responsible for bringing growth in some OECD lagging regions.

The Making of Global City Regions

Governance and Planning of Mega-City Regions

Data and the City

Regional Cities and City Regions in Rural Australia

Global City Regions

Space, Place and Governance

Cities, Regions and Internet Infrastructure in Europe

Since the emergence of urban systems, cities have developed in a mutually inter-dependent process of socio-economic dynamics and transportation linkages. In recent years, Airports worldwide have stepped beyond the stage of being pure infrastructure facilities while the complex dynamics that are taking place at and around international airports represent a crucial element in the post-industrial reorganisation of urban and regional systems. Airports are increasingly recognized as general urban activity centres; that is, key assets for cities and regions as economic generators and catalysts of investment in addition to being critical components of efficient city infrastructure. This book brings together contributions from renowned academic scholars and world leading practitioners to discuss insights gained from theory and practice. The first collection of papers reflects upon the general role and future of airports as well as their specific contribution to competitive advantages within a fast changing business and economic landscape. The second group of contributions ask about the role airports play within the innovation process that is inherently centred on generating and sharing knowledge. The third section of papers investigates the drivers of real estate developments on airport land and in the close vicinity of airports.

Creative and cultural industries, broadly defined, are now considered by many policy makers across Europe at the heart of their national innovation and economic development agenda. Similarly, many European cities and regions have adopted policies to support and develop these industries and their local support infrastructures. However this policy-making agenda implicitly incorporates (and indeed often conflates) elements of cultural and creative industries, the creative class and so on, which are typically employed without due consideration of context. Thus a better understanding is required. To this end, this book features eight research papers, split evenly with regard to geographical focus between the UK and continental Europe (the latter covering Spain, Germany, France, Luxemburg and Belgium individually and in combination). There is also a similar division in terms of those focusing primarily on the policy level (the chapters of Clifton and Macaulay, Mould and Comunian, Pareja-Eastaway and Pradel i Miquel, Perrin) and those of the individual creative actor (the chapters of Alfken et al, Bennett et al, Wedemeier and Brown). This book was previously published as a special issue of European Planning Studies.

This book proposes an alternative strategy to improve and sustain prosperity, through the creation of an entrepreneurial culture in learning cities or city regions. The edited collection provides insights into how entrepreneurship, education, job creation and social inclusion can be aligned through entrepreneurial learning, in the context of territorial development. With rich and varied contributions from a wide field, including policy makers, entrepreneurs, an investment banker, leaders of universities and councils, the voluntary sector, scientists, educators and students, it reviews and assesses how learning cities and regions may become more prosperous by investing in the development of entrepreneurial skills throughout lifelong learning. Reinforced by examples on developing and retaining entrepreneurial people, this book contributes to our understanding of how entrepreneurial learning can be fostered in different city and city-region contexts. It makes an interesting contribution to the field in terms of mapping out complex issues and testing the practical validity of the concept, while also providing rich and insightful case studies centred on the Welsh experience with entrepreneurial learning city regions. The high quality international contributions demonstrate the new worldwide interest in developing an entrepreneurial culture for the benefit of a city or region, rather than an entrepreneurial mind-set for individual benefit. This fascinating subject will be of interest to many social scientists, policymakers, and practitioners. It will be found especially valuable for professionals involved in economic, inclusive and sustainable city or regional development.

Data and the CityRoutledge

Inventive City-Regions

The Usage of European Regionalized Social Science Data

Data on 16 Major Cities and Their Regions, from the NORDSTAT Database

Trends, Theory, Policy

County and City Data Book

The Polycentric Metropolis

County and City Data Book 1967

Accounting for nearly 40% of global energy-related CO2 emissions and sometimes as much as 70% in large cities, buildings and construction are central to the low-carbon transition. Decarbonising buildings, especially the old stock, through energy efficiency improvements and renewable energy use, not only reduces carbon emissions, but also generates co-benefits in health, energy affordability and the labour market.

A new 21st century urban phenomenon is emerging: the networked polycentric mega-city region. Developed around one or more cities of global status, it is characterized by a cluster of cities and towns, physically separate but intensively networked in a complex spatial division of labour. This book describes and analyses eight such regions in North West Europe. For the first time, this work shows how businesses interrelate and communicate in geographical space - within each region, between them, and with the wider world. It goes on to demonstrate the profound consequences for spatial planning and regional development in Europe - and, by implication, other similar urban regions of the world. The Polycentric Metropolis introduces the concept of a mega-city region, analyses its characteristics, examines the issues surrounding regional identities, and discusses policy ramifications and outcomes for infrastructure, transport systems and regulation. Packed with high quality maps, case study data and written in a clear style by highly experienced authors, this will be an insightful and significant analysis suitable for professionals in urban planning and policy, environmental consultancies, business and investment communities, technical libraries, and students in urban studies, geography, economics and town/spatial planning.

How should the metropolis be governed? What is the appropriate scale to consider and organize local governance and communities? Bringing together an interdisciplinary and international body of scholarly work, City-Regions in Prospect? explores the city-region as both an evolving concept and as a growing area of planning practice. Contributors raise critical questions about the ways in which governance reform is being reshaped and whether current trends towards rescaling and rebounding cities actually address local challenges of urbanization and globalization. These essays highlight the tensions and uncertainties between the city-region as a concept and the experiences of local communities when municipal policies are applied. Proposing a challenge to scholars and municipal leaders to account for flexibility, adaptability to local contexts, social robustness, and community engagement, City-Regions in Prospect? Captures the growing relevance and importance of cities in a rapidly urbanizing world.

Publisher description

A Research Agenda for Regeneration Economies

Towards More Equitable Development

Adapting Form to Function

Exploring the Meeting Points between Place and Practice

Country and City Data Book, 1977

Urban Agriculture for Growing City Regions

The Gauteng City-Region, South Africa

This book demonstrates how agriculture can play a determining role in integrated, climate-optimised urban development. Agriculture within urban growth centres today is more than an economic or social left-over or a niche practice. It is instead a complex system that offers multiple potentials for interaction with the urban system. Urban open space and agriculture can be linked to a productive green infrastructure - this forms new urban-rural linkages in the urbanizing region and helps shape the city. But in order to do this, agriculture has to be seen as an integral part of the urban fabric and it has to be put on the local agenda. Urban Agriculture for Growing City Regions takes the example of Casablanca, one of the fastest growing cities in North Africa, to investigate this approach. The creation of synergies between the urban and rural in an emerging megacity is demonstrated through pilot projects, design solutions, and multifunctional modules. These synergies assure greater resource efficiency; particularly regarding the use and reuse of water, and they strengthen regional food security and the social integration of multiple spheres. A transdisciplinary research approach brings together different scientific disciplines and local actors into a process of integrated knowledge production. The book will have a long lasting legacy and is essential reading for researchers, planners, practitioners and policy makers who are working on urban development and urban agricultural strategies.

This open access book offers a selection of research papers and case studies presented at the 3rd international conference "Smart and Sustainable Planning for Cities and Regions", held in December 2019 in Bolzano, Italy, and explores the concept of smart and sustainable planning, including top contributions from academics, policy makers, consultants and other professionals. Innovation processes such as co-design and co-creation help establish collaborations that engage with stakeholders in a trustworthy and transparent environment while answering the need for new value propositions. The importance of an integrated, holistic approach is widely recognized to break down silos in local government, in particular, when aimed at achieving a better integration of climate-energy planning. Despite the ongoing urbanization and polarization processes, new synergies between urban and rural areas emerge, linking development opportunities to intrinsic cultural, natural and man-made landscape values. The increasing availability of big, real-time urban data and advanced ICT facilitates frequent assessment and continuous monitoring of performances, while allowing fine-tuning as needed. This is valid not only for individual projects but also on a wider scale. In addition, and circling back to the first point, (big) urban data and ICT can be of enormous help in facilitating engagement and co-creation by raising awareness and by providing insight into the local consequences of specific plans. However, this potential is not yet fully exploited in standard processes and procedures, which can therefore lack the agility and flexibility to keep up with the pulse of the city and dynamics of society. The book provides a multi-disciplinary outlook based on experience to orient the reader in the giant galaxy of smart and sustainable planning, support the transposition of research into practice, scale up visionary approaches and design groundbreaking planning policies and tools.

This Research Agenda provides both a state-of-the-art review of existing research on city-regions, and expands on new research approaches. Expert contributors from across the globe explore key areas for reading city-regions, including: trade, services and people, regional differentiation, big data, global production networks, governance and policy, and regional development. The book focuses on developing a more integrated and systematic approach to reading city-regions as part of regeneration economics, identifying conceptual and methodological developments in this field of study.

Regions, Divisions, States, Counties, Metropolitan Areas, Cities

County and City Data Book, 1977

Results of SSPCR 2019—Open Access Contributions

Path Dependence and Creative Knowledge Strategies

Nordic Major City Statistics

Sustainable Landscape Planning in Selected Urban Regions

The Geography of the Internet