

Sharing Cities A Case For Truly Smart And Sustainable Cities Urban And Industrial Environments

The sharing economy and collaborative consumption are attracting a great deal of interest due to their business, legal and civic implications. The consequences of the spreading of practices of sharing in urban environments and under daily dynamics are underexplored. This Special Issue aims to address if and how sharing shapes cities, the way that spaces are designed and lived in if social interactions are escalated, and the ways that habits and routines take place in post-individualistic society. In particular, the following key questions are of primary interest: Urban fabric: How is 'sharing' shaping cities? Does it represent a paradigm shift with tangible and physical reverberations on urban form? How are shared mobility, work, inhabiting reconfiguring the urban and social fabric? Social practices: Are new lifestyles and practices related to sharing changing the use and design of spaces? To what extent is sharing triggering a production and consumption paradigm shift to be reflected in urban arrangements and infrastructures? Sustainability: Does sharing increase the intensity of use of space and assets, or, rather, does it increase them to meet the expectations of convenience for urban lifestyles? To what extent are these phenomena fostering more economically-

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socially-, and environmentally-sustainable practices and cities? Policy: How can policy makers and municipalities interact with these bottom-up and phenomena and grassroots innovation to create more sustainable cities? Scholars responded to the above questions from the fields of urban studies, urban planning and design, sociology, geography, theoretically-grounded and informed by the results of fieldwork activities. This book explores how Asia's fast-growing cities can fulfil their potential as engines of economic prosperity and provide a livable environment for all citizens. But for this to happen, major challenges that reduce urban communities' quality of life and economic opportunities must be addressed. These include poor planning, a lack of affordable housing, inequalities, pollution, climate vulnerabilities, and urban infrastructure deficits. The book's 19 articles unwrap these challenges and present solutions focused on smart and inclusive planning, sustainable transport and energy, innovative financing, and resilience and rejuvenation.

In cities around the world, digital technologies are utilized to manage city services and infrastructures, to govern urban life, to solve urban issues and to drive local and regional economies. While "smart city" advocates are keen to promote the benefits of smart urbanism – increased efficiency, sustainability, resilience, competitiveness, safety and security – critics point to the negative effects, such as the production of technocratic governance, the corporatization of urban services, technological lock-ins, privacy harms and vulnerability to cyberattack. This book, through a range of

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international case studies, suggests social, political and practical interventions that would enable more equitable and just smart cities, reaping the benefits of smart city initiatives while minimizing some of their perils. Included are case studies from Ireland, the United States of America, Colombia, the Netherlands, Singapore, India and the United Kingdom. These chapters discuss a range of issues including political economy, citizenship, standards, testbedding, urban regeneration, ethics, surveillance, privacy and cybersecurity. This book will be of interest to urban policymakers, as well as researchers in Regional Studies and Urban Planning.

Available Open Access under CC-BY-NC licence. This book explores the history and current practice of food sharing. Illustrated by rich case studies from around the world, the book uses new empirical data to set an agenda for research and action. The book will be an important resource for researchers, policy makers and sharing innovators to explore the impacts and sustainability potential of such sharing for cities.

Bringing together a diverse team of leading scholars and professionals, this book offers a variety of insights into ongoing gender mainstreaming policies in Europe with a focus on urban/spatial planning. Gender mainstreaming was first legislated for in the European Union with the Treaty of Amsterdam in 1999 and, although many interesting developments have occurred throughout the decade that followed, there is still much to do in terms of policy, knowledge production, dissemination and education. This work contributes to all three objectives, by advancing the state of knowledge, as well as

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providing educational and professional tools in the field of gender sensitive planning in Europe. The volume begins by explaining the concept of gender mainstreaming in relation to its origins in the 'second wave' of the women's movement and critiques of planning, architecture, transport planning and other built environment disciplines. It then provides a brief history of how gender mainstreaming was incorporated into European law, before focussing on the theoretical issues and questions that surround the concept of gender mainstreaming as they relate to urban space and the planning of cities and regions, including a discussion of the persistence of inequalities between the sexes in their access to urban space and services. In particular, the division between waged and unwaged work and its impact on the social construction of gender and of the physical built environment is considered. The differences between definitions of feminism and their implications for action in planning and design are also explored, paying regard to the tensions between a feminist vision of a transformation of gender relations and the requirements of gender mainstreaming to accommodate the different needs of women and men in their everyday lives in urban space. Throughout the book, key issues recur, such as the importance of time and space in the experience of urbanism, resistances to change on the part of institutions and social structures, and the importance of networks. Education and training also appear as common themes, as do citizen participation and the structures of governance. The chapters are organised into four sections: concepts, structures, empowerment and spatial quality. Contributors demonstrate a variety of

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approaches to the intersections of gender, women, cities, and planning, dealing with substantive and procedural issues in planning, at both local and regional scales. They stress the links between environmental sustainability and gender-sensitive urban development. The book concludes by putting forward an outlook for future action. Focusing on the city's role as the nexus for new forms of relationships between politics, economics and society, this fascinating book views the city as a political phenomena. Its chapters unravel the city's plural histories, contested political, legal and administrative boundaries, and its policy-making capacity in the context of multi-level and market pressures.

Explores cities as the origin of revolutionary politics, where social and political issues are always at the surface, using examples from such cities as New York City and Mumbai to examine how they can be better ecologically reorganized.

Economic diversity abounds in a more-than-capitalist world, from worker-recuperated cooperatives and anti-mafia social enterprises to caring labour and the work of Earth Others, from fair trade and social procurement to community land trusts, free universities and Islamic finance. The Handbook of Diverse Economies presents research that inventories economic difference as a prelude to building ethical ways of living on our dangerously degraded planet. With contributing authors from twenty countries, it presents new thinking around subjectivity and methodology as strategies for making other worlds possible.

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Smart Cities and Homes: Key Enabling Technologies explores the fundamental principles and concepts of the key enabling technologies for smart cities and homes, disseminating the latest research and development efforts in the field through the use of numerous case studies and examples. Smart cities use digital technologies embedded across all their functions to enhance the wellbeing of citizens. Cities that utilize these technologies report enhancements in power efficiency, water use, traffic congestion, environmental protection, pollution reduction, senior citizens care, public safety and security, literacy rates, and more. This book brings together the most important breakthroughs and advances in a coherent fashion, highlighting the interconnections between the works in different areas of computing, exploring both new and emerging computer networking systems and other computing technologies, such as wireless sensor networks, vehicle ad hoc networks, smart grids, cloud computing, and data analytics and their roles in creating environmentally friendly, secure, and prosperous cities and homes. Intended for researchers and practitioners, the book discusses the pervasive and cooperative computing technologies that will perform a central role for handling the challenges of urbanization and demographic change. Includes case studies and contributions from prominent researchers and practitioners from around the globe Explores the latest

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methodologies, theories, tools, applications, trends, challenges, and strategies needed to build smart cities and homes from the bottom up Provides a pedagogy that includes PowerPoint slides, key terms, and a comprehensive bibliography

The definitive, bestselling book on the origins and development of nationalism... With cities striving to meet sustainable development goals, circular urban systems are gaining momentum, especially in Europe. This research-based book defines the circular city and circular development. It explains the shift in focus from a purely economic concept, which promotes circular business models in cities, to one that explores a new approach to urban development. This approach offers huge opportunities and addresses important sustainability issues: resource consumption and waste; climate change; the health of urban populations; social inequalities and the creation of sustainable urban economies. It examines the different approaches to circular development, drawing on research conducted in four European cities: Amsterdam, London, Paris and Stockholm. It explores different development pathways and levers for a circular urban transformation. It highlights the benefits of adopting a circular approach to development in cities, but acknowledges that these benefits are not shared equally across society. Finally, it focuses on the challenges to implementing circular development faced by urban actors. This ground-breaking book will be essential reading to scholars,

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students, practitioners and policymakers interested in the circular economy, urban sustainability, urban ecology, urban planning, urban regeneration, urban resilience, adaptive cities and regenerative cities.

Designing Cities with Children and Young People focuses on promoting better outcomes in the built environment for children and young people in cities across the world. This book presents the experience of practitioners and researchers who actively advocate for and participate with children and youth in planning and designing urban environments. It aims to cultivate champions for children and young people among urban development professionals, to ensure that their rights and needs are fully acknowledged and accommodated. With international and interdisciplinary contributors, this book sets out to build bridges and provide resources for policy makers, social planners, design practitioners and students. The content moves from how we conceptualize children in the built environment, what we have discovered through research, how we frame the task and legislate for it, and how we design for and with children. Designing Cities with Children and Young People ultimately aims to bring about change to planning and design policies and practice for the benefit of children and young people in cities everywhere.

How cities can build on the "sharing economy" and smart technology to deliver a

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"sharing paradigm" that supports justice, solidarity, and sustainability.

This book explores the opportunities and challenges of the sharing economy and innovative transportation technologies with regard to urban mobility. Written by government experts, social scientists, technologists and city planners from North America, Europe and Australia, the papers in this book address the impacts of demographic, societal and economic trends and the fundamental changes arising from the increasing automation and connectivity of vehicles, smart communication technologies, multimodal transit services, and urban design. The book is based on the Disrupting Mobility Summit held in Cambridge, MA (USA) in November 2015, organized by the City Science Initiative at MIT Media Lab, the Transportation Sustainability Research Center at the University of California at Berkeley, the LSE Cities at the London School of Economics and Politics and the Innovation Center for Mobility and Societal Change in Berlin.

This book aims to refocus urban planners on the implications of their work for human health and well-being. Provides practical advice on ways to integrate health and urban planning.

Develops a theory of collaborative capitalism that produces economic stability for businesses and workers in American urban cores.

This book provides a conceptual analysis of the 'sharing economy' and accommodation

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sector. It furthers the debate surrounding Airbnb and other platforms and the social sustainability of city tourism. Through a scenario framework, readers can understand the forces and factors at work, and envision the ultimate consequences of current developments.

The Routledge Companion to Smart Cities explores the question of what it means for a city to be 'smart', raises some of the tensions emerging in smart city developments and considers the implications for future ways of inhabiting and understanding the urban condition. The volume draws together a critical and cross-disciplinary overview of the emerging topic of smart cities and explores it from a range of theoretical and empirical viewpoints. This timely book brings together key thinkers and projects from a wide range of fields and perspectives into one volume to provide a valuable resource that would enable the reader to take their own critical position within the topic. To situate the topic of the smart city for the reader and establish key concepts, the volume sets out the various interpretations and aspects of what constitutes and defines smart cities. It investigates and considers the range of factors that shape the characteristics of smart cities and draws together different disciplinary perspectives. The consideration of what shapes the smart city is explored through discussing three broad 'parts' – issues of governance, the nature of urban development and how visions are realised – and includes chapters that draw on empirical studies to frame the discussion with an understanding not just of the nature of the smart city but also how it is studied,

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understood and reflected upon. The Companion will appeal to academics and advanced undergraduates and postgraduates from across many disciplines including Urban Studies, Geography, Urban Planning, Sociology and Architecture, by providing state of the art reviews of key themes by leading scholars in the field, arranged under clearly themed sections.

"Sharing Cities: Activating the Urban Commons" showcases over a hundred sharing-related case studies and model policies from more than 80 cities in 35 countries. It both witnesses a growing global movement and serves as a practical reference guide for community-based solutions to urgent challenges faced by cities everywhere. This book is a call to action meant to inspire readers with ideas, raise awareness of the impressive range of local efforts, and strengthen the sharing movement worldwide.

"Sharing Cities" shows that not only is another world possible, but that much of it is already here.

Drawing on literature, legal texts, epigraphic evidence, and the narratives embodied in monuments and painting, *Broken Cities* is an expansive and nuanced study that holds great significance for the field of historiography.

This book examines electric car sharing in cities from a variety of perspectives, from service design to simulation, from mathematical modeling to technology deployment, and from energy use improvement to the integration of different kinds of vehicle. The contents reflect the outcomes of the Green Move project, undertaken by Politecnico di

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Milano with the aim of fostering an innovative and easily accessible electric vehicle sharing system. The first section of the book illustrates the car sharing service, covering service design, the configuration of the vehicle sharing model and the Milan mobility pattern, analysis of local demand and supply, testing of the condominium-based car sharing model, and communication design for social engagement. The second section then explains the technological choices, from the architecture of the system and dynamic applications to information management, the smartphone-based energy-oriented driving assistance system, automatic fleet balancing systems, and real-time monitoring of vehicle positions. In the final section, readers will find descriptions of the simulation model, a model to estimate potential users of the service, and a model for a full-scale electric car sharing service in Milan.

Jesus' admonition to "go and make disciples of all nations" (Matthew 28:19, NIV) resonates in the hearts of those who love Him supremely. Every individual must be given the opportunity to choose between life and death. This volume is a call to action—a plea for believers to work for their Savior by bringing the gospel to the millions of people in the city, strategies, methods, selecting and training workers, and lessons from Scripture. Yes, the work will require much effort, especially in our day and age. But Ellen G. White doesn't mince words: "Do not hover over the churches to repeat over and over again the same truths to the people, while the cities are left in ignorance and sin, unwarned and unlabored for" (The Upward Look, p. 274). Book jacket.

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This book tells the story of visionary urban experiments, shedding light on the theories that preceded their development and on the monsters that followed and might be the end of our cities. The narrative is threefold and delves first into the eco-city, second the smart city and third the autonomous city intended as a place where existing smart technologies are evolving into artificial intelligences that are taking the management of the city out of the hands of humans. The book empirically explores Masdar City in Abu Dhabi and Hong Kong to provide a critical analysis of eco and smart city experiments and their sustainability, and it draws on numerous real-life examples to illustrate the rise of urban artificial intelligences across different geographical spaces and scales. Theoretically, the book traverses philosophy, urban studies and planning theory to explain the passage from eco and smart cities to the autonomous city, and to reflect on the meaning and purpose of cities in a time when human and non-biological intelligences are irreversibly colliding in the built environment. Iconoclastic and prophetic, *Frankenstein Urbanism* is both an examination of the evolution of urban experimentation through the lens of Mary Shelley's *Frankenstein*, and a warning about an urbanism whose product resembles Frankenstein's monster: a fragmented entity which escapes human control and human understanding. Academics, students and practitioners will find in this book the knowledge that is necessary to comprehend and engage with the many urban experiments that are now alive, ready to leave the laboratory and enter our cities.

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An award-winning curator and editor of Icon magazine chronicles his travels through Latin America in search of urban design activists, citing the examples of visionaries who are revolutionizing social housing, public architecture and community development. Governing Compact Cities investigates how governments and other critical actors organise to enable compact urban growth, combining higher urban densities, mixed use and urban design quality with more walkable and public transport-oriented urban development. Philipp Rode draws on empirical evidence from London and Berlin to examine how urban policymakers, professionals and stakeholders have worked across disciplinary silos, geographic scales and different time horizons since the early 1990s. Today the world's largest economies and corporations trade in data and its products to generate value in new disruptive markets. Within these markets vast streams of data are often inaccessible or untapped and controlled by powerful monopolies. Counter to this exclusive use of data is a promising world-wide "open-data" movement, promoting freely accessible information to share, reuse and redistribute. The provision and application of open data has enormous potential to transform exclusive, technocratic "smart cities" into inclusive and responsive "open-cities". This book argues that those who contribute urban data should benefit from its production. Like the city itself, the information landscape is a public asset produced through collective effort, attention, and resources. People produce data through their engagement with the city, creating digital footprints through social media, mobility applications, and city sensors. By

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opening up data there is potential to generate greater value by supporting unforeseen collaborations, spontaneous urban innovations and solutions, and improved decision-making insights. Yet achieving more open cities is made challenging by conflicting desires for urban anonymity, sociability, privacy and transparency. This book engages with these issues through a variety of critical perspectives, and presents strategies, tools and case studies that enable this transformation.

How cities can build on the “sharing economy” and smart technology to deliver a “sharing paradigm” that supports justice, solidarity, and sustainability. The future of humanity is urban, and the nature of urban space enables, and necessitates, sharing—of resources, goods and services, experiences. Yet traditional forms of sharing have been undermined in modern cities by social fragmentation and commercialization of the public realm. In *Sharing Cities*, Duncan McLaren and Julian Agyeman argue that the intersection of cities' highly networked physical space with new digital technologies and new mediated forms of sharing offers cities the opportunity to connect smart technology to justice, solidarity, and sustainability. McLaren and Agyeman explore the opportunities and risks for sustainability, solidarity, and justice in the changing nature of sharing. McLaren and Agyeman propose a new “sharing paradigm,” which goes beyond the faddish “sharing economy”—seen in such ventures as Uber and TaskRabbit—to envision models of sharing that are not always commercial but also communal, encouraging trust and collaboration. Detailed case studies of San Francisco, Seoul, Copenhagen,

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Medellín, Amsterdam, and Bengaluru (formerly Bangalore) contextualize the authors' discussions of collaborative consumption and production; the shared public realm, both physical and virtual; the design of sharing to enhance equity and justice; and the prospects for scaling up the sharing paradigm through city governance. They show how sharing could shift values and norms, enable civic engagement and political activism, and rebuild a shared urban commons. Their case for sharing and solidarity offers a powerful alternative for urban futures to conventional “race-to-the-bottom” narratives of competition, enclosure, and division.

Making Cities Global argues that combining urban history with a transnational approach leads to a better understanding of our increasingly interconnected world. In order to achieve prosperity, peace, and sustainability in metropolitan areas in the present and into the future, we must understand their historical origins and development.

This book shows what role nature can play in a city and how this can make it a better place for people to live. People, planners, designers and politicians are working towards the development of green cities. Some cities are already promoted as green cities, while others are on their way to become one. But their goals are often unclear and can include different facets. Presenting contributions from world leading researchers in the field of urban ecology, the editors provide an interdisciplinary overview of best practices and challenges in creating green cities. They show examples of how to build up these cities from bits and pieces to districts and urban extensions. Each example concludes

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with a summary of the collected knowledge, the learning points and how this can be used in other places. The best practices are collected from around the world – Europe, Australia, America and Asia. The new dynamic urban development of Asia is illustrated by case studies from China and the Indian subcontinent. The reader will learn which role nature can play in green cities and what the basic requirements are in terms of culture, pre-existing nature conditions, existing urban surroundings, history, design and planning.

Disruptive Urbanism examines how different forms and modes of the so called "sharing economy" are manifesting in cities and regions throughout the world, and how policy makers are responding to these disruptions. The emergence of the so called "sharing economy" and the "disruptive technologies" have profound implications for urban policy and governance. Initial expectations that "sharing" of homes, offices or vehicles could solve urban problems such as congestion or housing affordability have given way to concerns over job precarity, neighbourhood transformation, and the growing power of platforms in disrupting urban governance and regulation. Contributors to this volume canvas these issues, examining how the "sharing economy" is manifesting in urban areas, the implications of this for urban living, and how policy makers are responding to these changes. Implications for urban research, policy, and practice are highlighted through chapters which address forms of urban "sharing" across housing, transport, work, and food and wider processes of globalisation and neoliberalism as they disrupt

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cities and urban policy making. Disruptive Urbanism will be of great interest to scholars of urban planning, urban governance, the sharing economy, and housing studies. The chapters were originally published as a special issue of Urban Policy and Research. This book provides valuable insights into how cities are innovating in the field of the sharing economy through case studies. Each chapter explains how different cities have employed the sharing economy to solve their sui generis problems. The concept of Sharing Cities is getting considerable traction with grassroots groups and city governments around the world. Starting with the earliest Sharing City, Seoul, under the efforts of different Sharing Economy Associations and Organizations, more and more cities are being transformed. This book aims to highlight the positive changes that the sharing economy brings to cities and will be a valuable reference to those working in this emerging field.

Drawing on evidence from urban resilience initiatives around the globe, the authors make a compelling argument for a "resilience reset", a pause and stocktake that critically examines the concepts, practices and challenges of building resilience, particularly in cities of the Global South. In turn, the book calls for the world's cities to alter their course and "pivot" towards novel approaches to enhancing resilience. The book presents shifts in ways of acquiring and analysing data, building community resilience, approaching urban planning, engaging with informality, delivering financing, and building the skills of those running cities in a post-COVID world grappling with

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climate impacts. In *Resilience Reset*, the authors encourage researchers, policymakers, and practitioners to break out of existing modes of thinking and doing that may no longer be relevant for our rapidly urbanising and dynamic world. The book draws on the latest academic and practice-based evidence to provide actionable insights for cities that will enable them to deal with multiple interacting shocks and stresses. The book will be an indispensable resource to those studying urbanisation, development, climate change and risk management as well as for those designing and deploying operational initiatives to enhance urban resilience in businesses, international organisations, civil society organisations and governments. It is a must-read for anyone interested in managing the risks of climate impacts in urban centres in the Global South.

Urban Systems Design: Creating Sustainable Smart Cities in the Internet of Things Era shows how to design, model and monitor smart communities using a distinctive IoT-based urban systems approach. Focusing on the essential dimensions that constitute smart communities energy, transport, urban form, and human comfort, this helpful guide explores how IoT-based sharing platforms can achieve greater community health and well-being based on relationship building, trust, and resilience. Uncovering the achievements of the most recent research on the potential of IoT and big data, this book shows how to identify, structure,

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measure and monitor multi-dimensional urban sustainability standards and progress. This thorough book demonstrates how to select a project, which technologies are most cost-effective, and their cost-benefit considerations. The book also illustrates the financial, institutional, policy and technological needs for the successful transition to smart cities, and concludes by discussing both the conventional and innovative regulatory instruments needed for a fast and smooth transition to smart, sustainable communities. Provides operational case studies and best practices from cities throughout Europe, North America, Latin America, Asia, Australia, and Africa, providing instructive examples of the social, environmental, and economic aspects of “smartification Reviews assessment and urban sustainability certification systems such as LEED, BREEAM, and CASBEE, examining how each addresses smart technologies criteria Examines existing technologies for efficient energy management, including HEMS, BEMS, energy harvesting, electric vehicles, smart grids, and more

The Shared Cities Atlas applies the new, global 'sharing paradigm' in architecture and public sphere to a site-specific situation in seven cities in Central Europe. Mapping current practices of sharing and new fields of action in case studies, it contextualizes the phenomenon in research papers, data, and photography. The ideas of a 'right to the city', of common resources, or 'the urban commons' all of

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which are in vogue in contemporary architectural discourse illustrate the paradigm shift towards a sharing perspective. In 'sharing cities' the emphasis lies in the right to remake the cities as a form of urban social contract with a specific creative or critical agenda. The Atlas presents creative forms of sharing driven by idealistic positions and collective actions - new approaches to sharing of spaces and architecture, experience and knowledge, data, or collective histories.

Inoculating Cities: Case Studies of Urban Pandemic Preparedness begins with a brief historical description of infectious disease outbreaks in cities as well as an overview of infectious disease outbreaks since 2000 that hold profound implications for cities and urban environments – such as severe acute respiratory syndrome (SARS) in 2003, H1N1 influenza in 2009, Ebola virus in 2014, Zika virus in 2015, and more recently, COVID-19 in 2020. Each of these outbreaks affected different geographies of the world and underscored the importance of urban pandemic preparedness or urban health security as a means of mitigating the threats posed by infectious diseases. This book describes several of the characteristics of cities that make them uniquely vulnerable to infectious disease threats which include, but are not limited to, their population density, population diversity, internal and external population movements, and inequalities in cities. Finally, the book discusses frameworks and capacities that are essential for

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preparing cities to prevent, detect, and respond to infectious disease outbreaks. With contributions from experts and researchers with first-hand experiences with infectious disease outbreaks, their impact on the management of disease, and pandemic preparedness in progressively urban societies, *Inoculating Cities* addresses the unique threats infectious diseases pose to urban environments and surveys innovative models that cities are using to combat these threats.

Offers a global scope and perspective - inclusive of multiple cities, geographies, and infectious disease outbreaks Provides in-depth case studies of successful models of urban pandemic preparedness which consist of a brief overview of a city, a brief description of an outbreak or disease burden, and an examination of the unique or innovative capacity that a city used to successfully address the health threat Written by an interdisciplinary group of experts and researchers from around the world with first-hand experiences preparing for, detecting, and responding to infectious disease outbreaks

What type of cities do we want our children to grow up in? Car-dominated, noisy, polluted and devoid of nature? Or walkable, welcoming, and green? As the climate crisis and urbanisation escalate, cities urgently need to become more inclusive and sustainable. This book reveals how seeing cities through the eyes of children strengthens the case for planning and transportation policies that work

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for people of all ages, and for the planet. It shows how urban designers and city planners can incorporate child friendly insights and ideas into their masterplans, public spaces and streetscapes. Healthier children mean happier families, stronger communities, greener neighbourhoods, and an economy focused on the long-term. Make cities better for everyone.

Smart cities promise to generate economic, social and environmental value through the seamless connection of urban services and infrastructure by digital technologies. However, there is scant evidence of how these activities can enhance social well-being and contribute to just and equitable communities. Smart and Sustainable Cities? Pipedreams, Practicalities and Possibilities provides one of the first examinations of how smart cities relate to environmental and social issues. It addresses the gap between the ambitious visions of smart cities and the actual practices on the ground by focusing on the social and environmental dimensions of real smart city initiatives as well as the possibilities they hold for creating more equitable and progressive cities. Through detailed analyses of case studies in the United States, Australia, the United Kingdom, Japan, Germany, India and China, the contributors describe the various ways that social and environmental issues are interpreted and integrated into smart city initiatives and actions. The findings point towards the need for more intentional

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engagement and collaboration with all urban stakeholders in the design, development and maintenance of smart cities to ensure that everyone benefits from the increasingly digitalised urban environments of the twenty-first century. The chapters in this book were originally published as a special issue of the journal Local Environment.

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From the Sunday Times bestselling author, a dazzling, globe-spanning history of humankind's greatest invention: the city. 'Brilliant...enchanted' Evening Standard 'Exhilarating' New York Times The story of the city is the story of civilisation.

From Uruk and Babylon to Baghdad and Venice, and on to London, New York, Shanghai and Lagos, Ben Wilson takes us through millennia on a thrilling global tour of the key urban centres of history. Rich with individual characters, scenes and snapshots of daily life, Metropolis is at once the story of these extraordinary places and of the vital role they have played in making us who we are.

'Panoramic...entertaining and rich in wondrous detail' Tom Holland 'A towering achievement... Reading this book is like visiting an exhilarating city for the first time' Wall Street Journal

The book discusses the concept of the smart city, and is based on a multi-service and multi-sectoral approach to urban planning, including various urban functions

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and the human capital of cities. The work is divided into three parts. The first is an introductory section which covers definitions, policies and tools used at European level for the development and classification of a smart city. The second presents a selection of examples of Western and Eastern communities, which experienced technologies and strategies that have made them smart. The third describes in detail the main three possible approaches (economical, technological and social) to the smart city concept which are the focus ambits of the holistic concept of smart city. The work provides a good overview of the concept of smart city, and also offers a critical analysis of the various approaches to smart cities, in order to provide tools to develop solutions that address the smart development of cities with an approach as multi-sectoral as possible. Its accessible language and several examples make the book easy to read and appealing to public administrators, students, planners and researchers.

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