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KEY=CHANGE - RICHARDSON KANE

Resilient Cities

Responding to Peak Oil and Climate Change

Island Press Half of the world's inhabitants now live in cities. In the next twenty years, the number of urban dwellers will swell to an estimated five billion people. With their inefficient transportation systems and poorly designed buildings, many cities—especially in the United States—consume enormous quantities of fossil fuels and emit high levels of greenhouse gases. But our planet is rapidly running out of the carbon-based fuels that have powered urban growth for centuries and we seem to be unable to curb our greenhouse gas emissions. Are the world's cities headed for inevitable collapse? The authors of this spirited book don't believe that oblivion is necessarily the destiny of urban areas. Instead, they believe that intelligent planning and visionary leadership can help cities meet the impending crises, and look to existing initiatives in cities around the world. Rather than responding with fear (as a legion of doomsaying prognosticators have done), they choose hope. First, they confront the problems, describing where we stand today in our use of oil and our contribution to climate change. They then present four possible outcomes for cities: "collapse," "ruralized," "divided," and "resilient." In response to their scenarios, they articulate how a new "sustainable urbanism" could replace today's "carbon-consuming urbanism." They address in detail how new transportation systems and buildings can be feasibly developed to replace our present low efficiency systems. In conclusion, they offer ten "strategic steps" that any city can take toward greater sustainability and resilience. This is not a book filled with "blue sky" theory (although blue skies will be a welcome result of its recommendations). Rather, it is packed with practical ideas, some of which are already working in cities today. It frankly admits that our cities have problems that will worsen if they are not addressed, but it suggests that these problems are solvable. And the time to begin solving them is now.

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Resilient Cities, Second Edition

Overcoming Fossil Fuel Dependence

Island Press Drawing from research and examples about resilient cities, this book looks at new initiatives and innovations cities can implement.

Climate Resilient Cities

A Primer on Reducing Vulnerabilities to Disasters

World Bank Publications 'Climate Resilient Cities: A Primer on Reducing Vulnerabilities to Disasters' provides city administrators with exactly what they need to know about the complex and compelling challenges of climate change. The book helps local governments create training, capacity building, and capital investment programs for building sustainable, resilient communities. A step-by-step self-assessment challenges policymakers to think about the resources needed to combat natural disasters through an innovative hot spot risk and vulnerability identification tool. This primer is unique from other resources in its treatment of climate change using a dual-track approach that integrates both mitigation (lowering contributions to greenhouse gases) and adaptation (preparing for impacts of climate change) with disaster risk management. The book is relevant both to cities that are just beginning to think about climate change as well as those that already have well established policies, institutions, and strategies in place. By providing a range of city-level examples of sound practices around the world, the book demonstrates that there are many practical actions that cities can take to build resilience to climate change and natural disasters.

The Transition Handbook

From Oil Dependency to Local Resilience

The Transition Handbook is a ground-breaking book that shows how we can move from feeling anxiety and fear in the face of "peak oil" to developing a positive vision and taking practical action to create a more self-reliant existence.

German Annual of Spatial Research and Policy 2010

Urban Regional Resilience: How Do Cities and Regions Deal with Change?

Springer Science & Business Media Resilience is increasingly becoming a catchword in current discussions about urban and regional development. While there has been a strong research focus on sustainability, there is a lack of understanding of the processes and factors that make cities and regions more vulnerable and others more resilient, for example, when dealing with climate change, demographic decline and ageing, as well as economic crises. The German Annual of Spatial Research and Policy 2010 sheds some light on this by discussing examples of how actors deal with change. On the one hand, concepts are described and analysed which are oriented towards increasing urban regional resilience, for example regarding energy consumption, climate change, and urban decline. Moreover, institutional aspects are discussed. On the other hand, barriers for using the concept of resilience in planning are described and suggestions are made about how to deal with these barriers in strategic planning.

Twilight in the Desert

The Coming Saudi Oil Shock and the World Economy

John Wiley & Sons *Twilight in the Desert* reveals a Saudi oil and production industry that could soon approach a serious, irreversible decline. In this exhaustively researched book, veteran oil industry analyst Matthew Simmons draws on his three-plus decades of insider experience and more than 200 independently produced reports about Saudi petroleum resources and production operations. He uncovers a story about Saudi Arabia's troubled oil industry, not to mention its political and societal instability, which differs sharply from the globally accepted Saudi version. It's a story that is provocative and disturbing, based on undeniable facts, but until now never told in its entirety. *Twilight in the Desert* answers all readers' questions about Saudi oil and production industries with keen examination instead of unsubstantiated posturing, and takes its place as one of the most important books of this still-young century.

Walkable City Rules

101 Steps to Making Better Places

Island Press "Cities are the future of the human race, and Jeff Speck knows how to make them work." —David Owen, staff writer at the *New Yorker* Nearly every US city would like to be more walkable—for reasons of health, wealth, and the environment—yet few are taking the proper steps to get there. The goals are often clear, but the path is seldom easy. Jeff Speck's follow-up to his bestselling *Walkable City* is the resource that cities and citizens need to usher in an era of renewed street life. *Walkable City Rules* is a doer's guide to making change in cities, and making it now. The 101 rules are practical yet engaging—worded for arguments at the planning commission, illustrated for clarity, and packed with specifications as well as data. For ease of use, the rules are grouped into 19 chapters that cover everything from selling walkability, to getting the parking right, escaping automobilism, making comfortable spaces and interesting places, and doing it now! *Walkable City* was written to inspire; *Walkable City Rules* was written to enable. It is the most comprehensive tool available for bringing the latest and most effective city-planning practices to bear in your community. The content and presentation make it a force multiplier for place-makers and change-makers everywhere.

100% Renewable

Energy Autonomy in Action

Earthscan The greatest challenge of our time is to build a world based on the sustainable use of renewable power. Our massive dependence on fossil fuels has upset the very climatic system that made human evolution possible. The global economy and its financial system are in jeopardy, running hot on overtly cheap yet increasingly costly and fast depleting oil. A 100% renewable world is seen by many as an impossible dream in anything but the very long term. But not only do a growing number of initiatives and plans dare to make the change but many have already achieved it. This rich collection presents a series of pioneering efforts and their champions, and the paths to their successes. Ranging from initiatives by individuals to visions for companies, communities and entire countries, it defeats tired economic and technical counter-arguments, showing how the schemes featured not only can and do work but do so economically and with available technology. The book is introduced by incisive writing by Peter Droege, explaining the challenges and framing a roadmap towards a 100% renewable reality.

The Ecology of Place

Planning for Environment, Economy, and Community

Island Press Current patterns of land use and development are at once socially, economically, and environmentally destructive. Sprawling low-density development literally devours natural landscapes while breeding a pervasive sense of social isolation and exacerbating a vast array of economic problems. As more and more counties begin to look more and more the same, hope for a different future may seem to be fading. But alternatives do exist. *The Ecology of Place*, Timothy Beatley and Kristy Manning describe a world in which land is consumed sparingly, cities and towns are vibrant and green, local economies thrive, and citizens work together to create places of enduring value. They present a holistic and compelling approach to repairing and enhancing communities, introducing a vision of "sustainable places" that extends beyond traditional architecture and urban design to consider not just the physical layout of a development but the broad set of ways in which communities are organized and operate. Chapters examine: the history and context of current land use problems, along with the concept of "sustainable places" the ecology of place and ecological policies and actions local and regional economic development links between land-use and community planning and civic involvement specific recommendations to help move toward sustainability The authors address a variety of policy and development issues that affect a community -- from its economic base to its transit options to the ways in which its streets and public spaces are managed -- and examine the wide range of programs, policies, and creative ideas that can be used to turn the vision of sustainable places into reality. *The Ecology of Place* is a timely resource for planners, economic development specialists, students, and citizen activists working toward establishing healthier and more sustainable patterns of growth and development.

Resilient Cities

Cities and Adaptation to Climate Change - Proceedings of the Global Forum 2010

Springer Science & Business Media Even with significant reductions of greenhouse gas emissions, a certain degree of climate change will inevitably occur. Adapting to climate change, then, will become a necessary step in reducing the vulnerability of many regions across the globe. This is especially true for urban areas where climate change has been shown to have particularly destabilizing effects. Through the identification and analysis of the most relevant impacts facing urban areas, this book makes clear the need to incorporate climate change concerns into the mainstream of local planning, governance and policy making practices. Adaptation as a workable concept within urban areas cannot be treated in isolation from the many pre-existing challenges facing cities. By offering numerous examples of ongoing adaptation programs and strategies across a wide range of contexts, the authors show the growing potential of cities in the fight against climate change. This book has its origins in a collection of papers originally presented at the Resilient Cities 2010 Congress in Bonn, Germany (May 2010), the first global forum on cities and adaptation to climate change, convened by ICLEI - Local Governments for Sustainability. In this volume, the first in a new series dedicated to this annual event, a range of contributors bring their perspectives to bear on the most pressing issues and controversies surrounding adaptation to climate change within cities. These writings will prove invaluable to anyone interested in understanding and confronting climate change at the local level.

Biophilic Cities

Integrating Nature Into Urban Design and Planning

Island Press Tim Beatley has long been a leader in advocating for the "greening" of cities. But too often, he notes, urban greening efforts focus on everything except nature, emphasizing such elements as public transit, renewable energy production, and energy efficient building systems. While these are important aspects of reimagining urban living, they are not enough, says Beatley. We must remember that human beings have an innate need to connect with the natural world (the biophilia hypothesis). And any vision of a sustainable urban future must place its focus squarely on nature, on the presence, conservation, and celebration of the actual green features and natural life forms. A biophilic city is more than simply a biodiverse city, says Beatley. It is a place that learns from nature and emulates natural systems, incorporates natural forms and images into its buildings and cityscapes, and designs and plans in conjunction with nature. A biophilic city cherishes the natural features that already exist but also works to restore and repair what has been lost or degraded. In *Biophilic Cities* Beatley not only outlines the essential elements of a biophilic city, but provides examples and stories about cities that have successfully integrated biophilic elements--from the building to the regional level--around the world. From urban ecological networks and connected systems of urban greenspace, to green rooftops and green walls and sidewalk gardens, Beatley reviews the emerging practice of biophilic urban design and planning, and tells many compelling stories of individuals and groups working hard to transform cities from grey and lifeless to green and biodiverse.

Resilient Cities 2

Cities and Adaptation to Climate Change – Proceedings of the Global Forum 2011

Springer Science & Business Media Assembling papers originally presented at the Resilient Cities 2011 Congress in Bonn, Germany (June 2011), the second global forum on cities and adaptation to climate change, this volume is the second in a series resulting from this annual event. These cutting-edge papers represent the latest research on the topic and reflect the intensification of the debate on the meaning of and interaction between climate adaptation, risk reduction and broader resilience. Thus, contributors offer more material related to resilience, such as water, energy and food security; green infrastructure; the role of renewables and ecosystem services; vulnerable communities and urban poor; and responsive financing for adaptation and multi-level governance. Overall, the book brings a number of different perspectives to bear on the most pressing issues and controversies

surrounding climate change adaptation in cities. These papers will prove invaluable to anyone interested in deepening their understanding of urban resilience and contributing to tackling climate change at the local level.

Environmental Health Perspectives

Public Libraries and Resilient Cities

American Library Association Public libraries are keystone public institutions for any thriving community, and as such can be leaders in making cities better places to work, play, and live. Here, Dudley shows how public libraries can contribute to 'placemaking', or the creation and nurturing of vital and unique communities for their residents.

Cities as Sustainable Ecosystems

Principles and Practices

Island Press Modern city dwellers are largely detached from the environmental effects of their daily lives. The sources of the water they drink, the food they eat, and the energy they consume are all but invisible, often coming from other continents, and their waste ends up in places beyond their city boundaries. *Cities as Sustainable Ecosystems* shows how cities and their residents can begin to reintegrate into their bioregional environment, and how cities themselves can be planned with nature's organizing principles in mind. Taking cues from living systems for sustainability strategies, Newman and Jennings reassess urban design by exploring flows of energy, materials, and information, along with the interactions between human and non-human parts of the system. Drawing on examples from all corners of the world, the authors explore natural patterns and processes that cities can emulate in order to move toward sustainability. Some cities have adopted simple strategies such as harvesting rainwater, greening roofs, and producing renewable energy. Others have created biodiversity parks for endangered species, community gardens that support a connection to their foodshed, and pedestrian-friendly spaces that encourage walking and cycling. A powerful model for urban redevelopment, *Cities as Sustainable Ecosystems* describes aspects of urban ecosystems from the visioning process to achieving economic security to fostering a sense of place.

The Urban Design Reader

Routledge The second edition of *The Urban Design Reader* draws together the very best of classic and contemporary writings to illuminate and expand the theory and practice of urban design. Nearly 50 generous selections include seminal contributions from Howard, Le Corbusier, Lynch, and Jacobs to more recent writings by Waldheim, Koolhaas, and Sorkin. Following the widespread success of the first edition of *The Urban Design Reader*, this updated edition continues to provide the most important historical material of the urban design field, but also introduces new topics and selections that address the myriad challenges facing designers today. The six part structure of the second edition guides the reader through the history, theory and practice of urban design. The reader is initially introduced to those classic writings that provide the historical precedents for city-making into the twentieth century. Part Two introduces the voices and ideas that were instrumental in establishing the foundations of the urban design field from the late 1950s up to the mid-1990s. These authors present a critical reading of the design professions and offer an alternative urban design agenda focused on vital and lively places. The authors in Part Three provide a range of urban design rationales and strategies for reinforcing local physical identity and the creation of memorable places. These selections are largely describing the outcomes of mid-century urban design and voicing concerns over the placeless quality of contemporary urbanism. The fourth part of the Reader explores key issues in urban design and development. Ideas about sprawl, density, community health, public space and everyday life are the primary focus here. Several new selections in this part of the book also highlight important international development trends in the Middle East and China. Part Five presents environmental challenges faced by the built environment professions today, including recent material on landscape urbanism, sustainability, and urban resiliency. The final part examines professional practice and current debates in the field: where urban designers work, what they do, their roles, their fields of knowledge and their educational development. The section concludes with several position pieces and debates on the future of urban design practice. This book provides an essential resource for students and practitioners of urban design, drawing together important but widely dispersed writings. Part and section introductions are provided to assist readers in understanding the context of the material, summary messages, impacts of the writing, and how they fit into the larger picture of the urban design field.

Empty

Scholastic Inc. A dystopic look at what happens to one American town when all the fossil fuels run out...It's the near future - the very near future - and the fossil fuels are running out. No gas. No oil. Which means no driving. No heat. Supermarkets are empty. Malls have shut down. Life has just become more local than we ever knew it could be. Nobody expected the end to come this fast. And in the small town of Spring Valley, decisions that once seemed easy are quickly becoming matters of life and death. There is hope - there has to be hope - just there are also sacrifices that need to be made, and a whole society that needs to be rethought.

Resilience in Social, Cultural and Political Spheres

Springer Resilience is one of the most important concepts in contemporary sociology. This volume offers a broad overview over the different theories and concepts of this category focusing on the cultural and political aspects of resilience.

Ecological Resilience

Response to Climate Change and Natural Disasters

CRC Press This book presents the latest research on resilience strategies around the world. Research such as this is necessary to create new ideas and to evaluate established ones in an effort to make communities more adaptable and to increase people's survival and quality of life while living with the reality of climate change. The book offers definitions of resilience and various ways of measuring it, since resilience is still a concept in transition. It also describes general strategies for increasing communities' resilience at multiple levels, then dives into specific dimensions of resilience, tying it to energy infrastructure and systems and public health.

Resilient Policies in Asian Cities

Adaptation to Climate Change and Natural Disasters

Springer This book presents a comprehensive framework and indicators that can be used to assess a city's degree of resilience. Based on surveys using bottom-up assessment tools, it proposes the concept, framework and indicators of a resilient policy model (including some participatory approaches). It also presents case studies of this and similar tools applied to Japanese and Asian cities, the highlights including information not previously available in English. Today, the term "resilience" is prevalent in the context of sustainable societies. The IPCC AR5 published in 2014 again stressed the impact of climate change on natural disasters, while in March 2015 at the World Conference on Disaster Risk Reduction, the United Nations International Strategy of Disaster Reduction (UNISDR) published the Sendai Framework for Disaster Risk Reduction Action 2015-2030, which serves as a guideline for local governments. Offering transdisciplinary perspectives from fields such as policy science, urban planning, environmental science, social psychology, management development and geography, this book discusses the lessons learned from Asian case studies, explaining the challenges and the effectiveness of the tools, and offering transdisciplinary insights for policymakers.

The Ecotechnic Future

Envisioning a Post-Peak World

New Society Publishers How to survive and thrive in the post-industrial age In response to the coming impact of peak oil, John Michael Greer helps us envision the transition from an industrial society to a sustainable ecotechnic world-not returning to the past, but creating a society that supports relatively advanced technology on a sustainable resource base. Fusing human ecology and history, this book challenges assumptions held by mainstream and alternative thinkers about the evolution of human societies. Human societies, like ecosystems, evolve in complex and unpredictable ways, making it futile to try to impose rigid ideological forms on the patterns of evolutionary change. Instead, social change must explore many pathways over which we have no control. The troubling and exhilarating prospect of an open-ended future, he proposes, requires dissensus-a deliberate acceptance of radical diversity that widens the range of potential approaches to infinity. Written in three parts, the book places the present crisis of the industrial world in its historical and ecological context in part one; part two explores the toolkit for Ecotechnic Age, and part three opens a door to the complexity of future visions. For anyone concerned about peak oil and the future of the industrial society, this book provides a solid analysis of how we got to where we are, and a practical toolkit to prepare for the future.

Green and Ecological Technologies for Urban Planning: Creating Smart Cities

Creating Smart Cities

IGI Global Ecological and technological (eco-tech) planning provides a possible response to the essential issues of sustainability and rehabilitation in rapidly growing urban spaces. Green and Ecological Technologies for Urban Planning: Creating Smart Cities addresses the ecological, technological, and social challenges faced in the smart urban planning and design of settlements when using eco-technologies - from sustainable land use to transportation, and from green areas to municipal applications - with a focus on resilience. Containing research from leading international experts, this book provides comprehensive coverage and definitions of the most important issues, concepts, trends, and technologies within the planning field.

Planning, Development and Management of Sustainable Cities

MDPI The concept of 'sustainable urban development' has been pushed to the forefront of policymaking and politics as the world wakes up to the impacts of climate change and the destructive effects of the Anthropocene. Climate change has emerged to be one of the biggest challenges faced by our planet today, threatening both built and natural systems with long-term consequences, which may be irreversible. While there is a vast body of literature on sustainability and sustainable urban development, there is currently limited focus on how to cohesively bring together the vital issues of the planning, development, and management of sustainable cities. Moreover, it has been widely stated that current practices and lifestyles cannot continue if we are to leave a healthy living planet to not only the next generation, but also to the generations beyond. The current global school strikes for climate action (known as Fridays for Future) evidences this. The book advocates the view that the focus needs to rest on ways in which our cities and industries can become green enough to avoid urban ecocide. This book fills a gap in the literature by bringing together issues related to the planning, development, and management of cities and focusing on a triple-bottom-line approach to sustainability.

Resilience and Transformation

Preparing Australia for Uncertain Futures

CSIRO PUBLISHING Explores what factors contribute to Australia's resilience, what trends are apparent, and what actions are required to better prepare us.

Smart cities

shaping the society of 2030

UNESCO Publishing

Urban Resilience to the Climate Emergency

Unravelling the transformative potential of institutional and grassroots initiatives

Springer Nature This volume sheds light on urban resilience strategies in times of climate emergency and social and economic crisis by reflecting on related social vulnerabilities and inequalities within cities and showing the potential of participatory governance approaches for socio-environmental transformation. The book compiles critical research documenting the articulation of urban resilience strategies dealing with climatic changes, as well as the understanding of the unexpected implications of top-down resilience plans to address the impacts of climate change in cities, especially on the most vulnerable urban populations, and the transformative capacities of bottom-up and socially innovative resilience strategies. The book especially focuses on co-produced and grassroots transformative processes that are concerned with social equity in urban planning for climate change. Although several publications cover the topic of urban resilience, this book provides a more nuanced exploration of urban climate governance and citizen engagement in urban climate resilience policies through the lenses of political ecology, environmental justice and co-production. In this regard, the volume moves beyond the approach of multilevel urban climate governance by critically addressing the unexpected impacts of top-down strategies of urban resilience with the goal of expanding the reflection on citizen engagement. The book also explores the emerging possibilities behind the co-production of urban resilience as well as the critical role of grassroots and citizens in promoting such alternative strategies. While the primary target audience is scholars from different disciplines (e.g. geography, urban studies, planning, political ecology, architecture, urban sociology, environmental studies) focusing on urban resilience, the editors also aim to reach urban resilience practitioners from local, national and international organisations as well as environmental grassroots and climate activists.

Sustainable Practices: Concepts, Methodologies, Tools, and Applications

Concepts, Methodologies, Tools, and Applications

IGI Global "This reference explores some of the most recent developments in sustainability, delving into topics beyond environmental science to cover issues of sustainable economic, political, and social development"--Provided by publisher.

Urban Disaster Resilience and Security

Addressing Risks in Societies

Springer This edited book investigates the interrelations of disaster impacts, resilience and security in an urban context. Urban as a term captures megacities, cities, and generally, human settlements, that are characterised by concentration of quantifiable and non-quantifiable subjects, objects and value attributions to them. The scope is to narrow down resilience from an all-encompassing concept to applied ways of scientifically attempting to 'measure' this type of disaster related resilience. 28 chapters in this book reflect opportunities and doubts of the disaster risk science community regarding this 'measurability'. Therefore, examples utilising both quantitative and qualitative approaches are juxtaposed. This book concentrates on features that are distinct characteristics of resilience, how they can be measured and in what sense they are different to vulnerability and risk parameters. Case studies in 11 countries either use a hypothetical pre-event estimation of resilience or are addressing a 'revealed resilience' evident and documented after an event. Such information can be helpful to identify benchmarks or margins of impact magnitudes and related recovery times, volumes and qualities of affected populations and infrastructure.

Sustainability Matters

Prospects for a Just Transition in Calgary, Canada's Petro-City

Calgary, Alberta is a culturally diverse urban metropolis. Sprawling and car-dependent, fast-growing and affluent, it is dominated by the fossil fuel industry. For 30 years, Calgary has struggled to turn sustainability rhetoric into reality. Sustainability Matters is the story of Calgary's setbacks and successes on the path toward sustainability. Chronicling two decades of public conversations, political debate, urban policy and planning, and scholarly discovery, it is both a fascinating case study and an accessible introduction to the theory and practice of urban sustainability. A clear-eyed view of the struggles of turning knowledge into action, this book illuminates the places where theory and reality converge and presents an approach to municipal development, planning, and governance that takes seriously the urgent need to address climate change and injustice. Addressing a wide variety of topics and themes, including energy, diversity, economic development, and ecological health, Sustainability Matters is both a critique of current practice and a vision for the future that uses the city of Calgary as a microcosm to address issues faced by cities around the world. This is essential reading not only for every Calgarian working for a vibrant and sustainable future, but for all those interested in the future of cities in a post-carbon world.

Planning After Petroleum

Preparing Cities for the Age Beyond Oil

Taylor & Francis The past decade has been one of the most volatile periods in global petroleum markets in living memory, and future oil supply security and price levels remain highly uncertain. This poses many questions for the professional activities of planners and urbanists because contemporary cities are highly dependent on petroleum as a transport fuel. How will oil dependent cities respond, and adapt to, the changing pattern of petroleum supplies? What key strategies should planners and policy makers implement in petroleum vulnerable cities to address the challenges of moving beyond oil? How might a shift away from petroleum provide opportunities to improve or remake cities for the economic, social and environmental imperatives of twenty-first-century sustainability? Such questions are the focus of contributors to this book with perspectives ranging across the planning challenge: overarching petroleum futures, governance, transition and climate change questions, the role of various urban transport nodes and household responses, ways of measuring oil vulnerability, and the effects on telecommunications, ports and other urban infrastructure. This comprehensive volume - with contributions from and focusing on cities in Australia, the UK, the US, France, Germany, the Netherlands and South Korea - provides key insights to enable cities to plan for the age beyond petroleum.

Resilience Thinking in Urban Planning

Springer Science & Business Media There is consensus in literature that urban areas have become increasingly vulnerable to the outcomes of economic restructuring under the neoliberal political economic ideology. The increased frequency and widening diversity of problems offer evidence that the socio-economic and spatial policies, planning and practices introduced under the neoliberal agenda can no longer be sustained. As this shortfall was becoming more evident among urban policymakers, planners, and researchers in different parts of the world, a group of discontent researchers began searching for new approaches to addressing the increasing vulnerabilities of urban systems in the wake of growing socio-economic and ecological problems. This book is the joint effort of those who have long felt that contemporary planning systems and policies are inadequate in preparing cities for the future in an increasingly neoliberalising world. It argues that "resilience thinking" can form the basis of an alternative approach to planning. Drawing upon case studies from five cities in Europe, namely Lisbon, Porto, Istanbul, Stockholm, and Rotterdam, the book makes an exploration of the resilience perspective, raising a number of theoretical debates, and suggesting a new methodological approach based on empirical evidence. This book provides insights for intellectuals exploring alternative perspectives and principles of a new planning approach.

The Wiley-Blackwell Encyclopedia of Urban and Regional Studies

John Wiley & Sons Provides comprehensive coverage of major topics in urban and regional studies Under the guidance of Editor-in-Chief Anthony Orum, this definitive reference work covers central and emergent topics in the field, through an examination of urban and regional conditions and variation across the world. It also provides authoritative entries on the main conceptual tools used by anthropologists, sociologists, geographers, and political scientists in the study of cities and regions. Among such concepts are those of place and space; geographical regions; the nature of power and politics in cities; urban culture; and many others. The Wiley Blackwell Encyclopedia of Urban and Regional Studies captures the character of complex urban and regional dynamics across the globe, including timely entries on Latin America, Africa, India and China. At the same time, it contains illuminating entries on some of the current concepts that seek to grasp the essence of the global world today, such as those of Friedmann and Sassen on 'global cities'. It also includes discussions of recent economic writings on cities and regions such as those of Richard Florida. Comprised of over 450 entries on the most important topics and from a range of theoretical perspectives Features authoritative entries on topics ranging from gender and the city to biographical profiles of figures like Frank Lloyd Wright Takes a global perspective with entries providing coverage of Latin America and Africa, India and China, and, the US and Europe Includes biographies of central figures in urban and regional studies, such as Doreen Massey, Peter Hall, Neil Smith, and Henri Lefebvre The Wiley Blackwell Encyclopedia of Urban and Regional Studies is an indispensable reference for students and researchers in urban and regional studies, urban sociology, urban geography, and urban anthropology.

Adaptation Urbanism and Resilient Communities

Transforming Streets to Address Climate Change

Routledge Adaptation Urbanism and Resilient Communities outlines and explains adaptation urbanism as a theoretical framework for understanding and evaluating resilience projects in cities and relates it to pressing contemporary policy issues related to urban climate change mitigation and adaptation. Through a series of detailed case studies, this book uncovers the promise and tensions of a new wave of resilient communities in Europe (Copenhagen, Rotterdam, and London), and the United States (New Orleans and South Florida). In addition, best practice projects in Amsterdam, Barcelona, Delft, Utrecht, and Vancouver are examined. The authors highlight how these communities are reinventing the role of streets and connecting public spaces in adapting to and mitigating climate change through green/blue infrastructure planning, maintaining and enhancing sustainable transportation options, and struggling to ensure equitable development for all residents. The case studies demonstrate that while there are some more universal aspects to encouraging adaptation urbanism, there are also important local characteristics that need to be both acknowledged and celebrated to help local communities thrive in the era of climate change. The book also provides key policy lessons and a roadmap for future research in adaptation urbanism. Advancing resilience policy discourse through multidisciplinary framework this work will be of great interest to students of urban planning, geography, transportation, landscape architecture, and environmental studies, as well as resilience practitioners around the world.

The End of Growth

Adapting to Our New Economic Reality

New Society Publishers Economics has failed us ... but there is life after growth! Economists insist that recovery is at hand, yet unemployment remains high, real estate values continue to sink, and governments stagger under record deficits. The End of Growth proposes a startling diagnosis: humanity has reached a fundamental turning point in its economic history. The expansionary trajectory of industrial civilization is colliding with non-negotiable natural limits. Richard Heinberg's latest landmark work goes to the heart of the ongoing financial crisis, explaining how and why it occurred, and what we must do to avert the worst potential outcomes. Written in an engaging, highly readable style, it shows why growth is being blocked by three factors: Resource depletion Environmental impacts Crushing levels of debt These converging limits will force us to re-evaluate cherished economic theories and to reinvent money and commerce. The End of Growth describes what policy makers, communities, and families can do to build a new economy that operates within Earth's budget of energy and resources. We can thrive during the transition if we set goals that promote human and environmental well-being, rather than continuing to pursue the now-unattainable prize of ever-expanding GDP. Richard Heinberg is the author of nine previous books, including *The Party's Over*, *Peak Everything*, and *Blackout*. A senior fellow of the Post Carbon Institute, Heinberg is one of the world's foremost peak oil educators and an effective communicator of the urgent need to transition away from fossil fuels.

Community Matters: Service-Learning in Engaged Design and Planning

Routledge Winner of the EDRA 2015 Book Award! *Community Matters: Service Learning in Engaged Design and Planning* explores issues that resonate with a diverse group of design and planning educators drawn to the challenge of supporting greater community building and empowerment while combining learning with practice. The book explores such questions as: How do we foster mutuality and reciprocity in community-academy partnerships? What conflicts, challenges, limits and obstacles do we face in our service-learning studios and projects? What evidence do we have of our impacts on students and communities and how are we responding? How are we being attentive to the contemporary environmental and societal issues? What is our role as both designers and agents of societal change? How are we innovating to enable greater capacities for individuals, future practitioners and communities? This book provides compelling evidence that educators should be adopting engaged pedagogies, research methods and theories through which they can bring together education, practice and scholarship at the boundary of community and academy.

Resilience in Ecology and Urban Design

Linking Theory and Practice for Sustainable Cities

Springer Science & Business Media The contributors to this volume propose strategies of urgent and vital importance that aim to make today's urban environments more resilient. Resilience, the ability of complex systems to adapt to changing conditions, is a key frontier in ecological research and is especially relevant in creative urban design, as urban areas exemplify complex systems. With something approaching half of the world's population now residing in coastal urban zones, many of which are vulnerable both to floods originating inland and rising sea levels, making urban areas more robust in the face of environmental threats must be a policy ambition of the highest priority. The complexity of urban areas results from their spatial heterogeneity, their intertwined material and energy fluxes, and the integration of social and natural processes. All of these features can be altered by intentional planning and design. The complex, integrated suite of urban structures and processes together affect the adaptive resilience of urban systems, but also presupposes that planners can intervene in positive ways. As examples accumulate of linkage between sustainability and building/landscape design, such as the Shanghai Chemical Industrial Park and Toronto's Lower Don River area, this book unites the ideas, data, and insights of ecologists and related scientists with those of urban designers. It aims to integrate a formerly atomized dialog to help both disciplines promote urban resilience.

Rethinking Resilience, Adaptation and Transformation in a Time of Change

Springer This book contributes to the literature on resilience, hazard planning, risk management, environmental policy and design, presenting articles that focus on building resilience through social and technical means. Bringing together contributions from Japanese authors, the book also offers a rare English-language glimpse into current policy and practice in Japan since the 2011 Tohoku disaster. The growth of resilience as a common point of contact for fields as disparate as economics, architecture and population politics reflects a shared concern about our capacity to cope with and adapt to change. The ability to bounce back from hardship and disaster is essential to all of our futures. Yet, if such ability is to be sustainable, and not rely on a “brute force” response, innovation will need to become a core practice for policymakers and on-the-ground responders alike. The book offers a valuable reference guide for graduate students, researchers and policy analysts who are looking for a holistic but practical approach to resilience planning.

Cities at Risk

Planning for and Recovering from Natural Disasters

Routledge As levels of urbanization increase around the world, the growing concentrations of population and economic activity increases vulnerability to natural disasters. Interdependencies among urban populations mean that damage to the built environment, including water, sewer and energy infrastructure, can affect millions. Even if there is no change in the rate of occurrence of natural disasters (an unlikely prospect in the face of ongoing climate change) the potential for human and economic loss will continue to increase, along with the time required to recover. How do cities prepare for and recover from natural disasters? In this book, the authors provide a broad overview of the issues related to the impacts of disasters on cities around the world, from assessing risks to accounting for damages. The comparative approach across different types of disasters in a range of urban locations is useful in identifying opportunities for policy transfer. While there is no ‘one size fits all’ solution to hazard mitigation, valuable lessons can be learned from the experiences of others. The chapters emphasize different modes for assessing hazard risk, as well as strategies for increasing the resiliency of vulnerable populations.

Local Climate Action Planning

Island Press Climate change is a global problem, but the problem begins locally. Cities consume 75% of the world's energy and emit 80% of the world's greenhouse gases. Changing the way we build and operate our cities can have major effects on greenhouse gas emissions. Fortunately, communities across the U.S. are responding to the climate change problem by making plans that assess their contribution to greenhouse gas emissions and specify actions they will take to reduce these emissions. This is the first book designed to help planners, municipal staff and officials, citizens and others working at local levels to develop Climate Action Plans. CAPs are strategic plans that establish policies and programs for mitigating a community's greenhouse gas (GHGs) emissions. They typically focus on transportation, energy use, and solid waste, and often differentiate between community-wide actions and municipal agency actions. CAPs are usually based on GHG emissions inventories, which identify the sources of emissions from the community and quantify the amounts. Additionally, many CAPs include a section addressing adaptation-how the community will respond to the impacts of climate change on the community, such as increased flooding, extended drought, or sea level rise. With examples drawn from actual plans, Local Climate Action Planning guides preparers of CAPs through the entire plan development process, identifying the key considerations and choices that must be made in order to assure that a plan is both workable and effective.