

Grid Street Place Essential Elements Of Sustainable Urban Districts

Grid/ Street/ Place Designing the City Towards Sustainable Cities Sustainable City Regions: Sustainable Urbanism Social Sustainability in Urban Areas Pathways to Urban Sustainability Towards sustainable urban development: Use of geographic big data for spatial planning Handbook on Sustainable Urban Tourism The Sustainable City VI Dimensions of the Sustainable City Sustainable Urban Agriculture World Cities and Urban Form Sustainable Urban Futures in Africa From Understanding to Action Urban Development and Civil Society Aquatic Habitats in Sustainable Urban Water Management Implementing Sustainable Urban Travel Policies National Reviews Compact Cities Sustainable Urban Planning Nathan Cherry Hildebrand Frey Peter J. Marcotullio Tetsuo Kidokoro Douglas Farr Tony Manzi National Research Council Ying Jing Cristina Maxim M. Pacetti Mike Jenks Kheir Al-Kodmany Mike Jenks Michael Addaney Marco Keiner Michael Carley Iwona Wagner European Conference of Ministers of Transport Michael Jenks Joy Sen

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today s urban resident is seeking a more flexible sustainable environment representing a unique diverse vibrant and responsible way of living as an alternative to the typical development patterns of suburban and semi urban sprawl can urban design help create this type of sustainable urbanism grid street place presents a unique approach to understanding urban design through scientific empirical research the

authors examined more than 100 successful projects throughout north america to identify differences and commonalities and they discovered universal elements that characterize sustainable urban districts by applying these essential elements designers and developers can recreate and extend the experience of successful places to their communities myriad plans sections diagrams and charts illustrate how each district work at an extremely detailed level concrete examples as opposed to generalities make grid street place a must read for anyone interested in the working strategies of urban design

designing the city looks at current urban problems in cities and demonstrates how effective urban design can address social economic and environmental issues as well as the physical planning at local level the book is highly visual and illustrates the topic with a variety of sketches line drawings axonometrics and models the author draws upon the valuable experience gained by the city of glasgow and compares its solutions successful and less successful with projects in a variety of european countries

while there has been much recent research into achieving sustainability in urban areas most of this is specific to a particular region this volume broadens these discussions by extending the analysis from north american and european cities to include east asian cities many cities in asia have deep historical roots have sustained dense populations through time and have grown prosperous in recent decades they also face significant environmental degradation and other planning challenges in bringing together and comparing strategies and experiences from three distinct global regions this book offers unique insights and new perspectives on the challenges of moving towards greater urban sustainability while questioning which strategies can promote sustainable cities in a global context the book also illustrates that while formulae generated out of american and european experience cannot be universally applied some of the analytical approaches and experience of the other developed countries can offer insights for those working in different contexts it argues that managing urban change for greater urban sustainability in diverse regions requires detailed understanding of local issues and regional strategies as well as strong support from local communities

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

written by the chair of the leed neighborhood development leed nd initiative sustainable urbanism urban design with nature is both an urgent call to action and a comprehensive introduction to sustainable urbanism the emerging and growing design reform movement that combines the creation and enhancement of walkable and diverse places with the need to build high performance infrastructure and buildings providing a historic perspective on the standards and regulations that got us to where we are today in terms of urban lifestyle and attempts at reform douglas farr makes a powerful case for sustainable urbanism showing where we went wrong and where we need to go he then explains how to implement sustainable urbanism through leadership and communication in cities communities and neighborhoods essays written by farr and others delve into such issues as increasing sustainability through density integrating transportation and land use creating sustainable neighborhoods including housing car free areas locally owned stores walkable neighborhoods and universal accessibility the health and environmental benefits of linking humans to nature including walk to open spaces neighborhood stormwater systems and waste treatment and food production high performance buildings and district energy systems enriching the argument are in depth case studies in sustainable urbanism from bedzed in london england and newington in sydney australia to new railroad square in santa rosa california and dongtan shanghai china an epilogue looks to the future of sustainable urbanism over the next 200 years at once solidly researched and passionately argued sustainable urbanism is the ideal guidebook for urban designers planners and architects who are eager to make a positive impact on our and our descendants buildings cities and lives

this groundbreaking new volume on social sustainability offers both critique and creative solutions it challenges the conventional wisdoms of social sustainability and presents practical examples of projects that will help practitioners to think carefully and innovatively about the situations they are addressing the book consists of original contributions from academics working in the fields of urban planning

housing regeneration transport and international sustainable development drawing on case study research gathered in the uk europe and africa it adopts an original interdisciplinary approach to both theory and practice illustrating the challenges and opportunities facing policy makers and practitioners attempting to develop manage and maintain sustainable communities the authors argue that the dominant approach of how to do small scale social sustainability fails to locate it within broader social processes ignoring the context not only sustains but also actively reproduces wider inequalities the book presents a new more coherent and more complete approach to issues of social sustainability in urban areas the book approaches current urban policy discourses in three different ways represented by three sections firstly focusing on small places within the urban fabric secondly addressing the whole urban fabric by examining whether changing urban living and working patterns the third section explores some of the ways that funding can be secured to achieve the aims of social sustainability and the social planning associated with it

more than half of the world s people now live in cities in the united states the figure is 80 percent it is worthwhile to consider how this trend of increased urbanization if inevitable could be made more sustainable one fundamental shortcoming of urban research and programs is that they sometimes fail to recognize urban areas as systems current institutions and actors are not accustomed to exploring human environment interactions particularly at an urban scale the fact is that these issues involve complex interactions many of which are not yet fully understood thus a key challenge for the 21st century is this how can we develop sustainable urban systems that provide healthy safe and affordable environments for the growing number of americans living in cities and their surrounding metropolitan areas to address this question the national research council organized a workshop exploring the landscape of urban sustainability research programs in the united states the workshop summarized in this volume was designed to allow participants to share information about the activities and planning efforts of federal agencies along with related initiatives by universities the private sector nongovernmental groups state and local agencies and international organizations participants were encouraged to explore how urban sustainability can move beyond analyses devoted to single disciplines and sectors to systems level thinking and effective interagency cooperation to do this participants examined areas of potential coordination among different r d programs with special consideration given to how the efforts of federal agencies can best complement and leverage the efforts of other key stakeholders pathways to urban sustainability offers a broad contextual summary of workshop presentations and discussions for distribution to federal agencies

regional organizations academic institutions think tanks and other groups engaged in urban research

in this multidisciplinary and multi jurisdictional account of sustainability in urban tourist destinations the handbook on sustainable urban tourism draws together the latest academic research and provides key practical insights on this developing area of study it not only considers the importance of cities as ideal tourist destinations due to their complex characteristics and the variety of attractions they offer but also the challenges they are confronted with most notably sustainability

containing research on sustainable urban redevelopment presented at the latest in a biennial series organised by the wessex institute of technology this book addresses an area of growing interest the conference series was first held in 2000 these proceedings are split into two volumes urban areas produce a series of environmental challenges arising from the consumption of natural resources and the consequent generation of waste and pollution contributing to the development of social and economic imbalances all these problems which continue to grow in our society require the development of new solutions topics include volume i urban strategies eco town planning planning development and management planning development and management for urban conservation and regeneration case studies landscape planning and design environmental management intelligent environments and emerging technologies volume ii sustainable energy and the city waterfront developments the community and the city quality of life cultural heritage issues transportation planning for risk planning for risk transport models in emergency conditions industrial wastes as raw materials waste management safety and security the city heritage

the cityform consortium s latest book dimensions of the sustainable city is the first book to report on an empirical multi disciplinary study specifically designed to address urban sustainability drawing together the various dimensions of sustainability economic social transport energy and ecological the book examines their relationships both to each other and to urban form the book investigates the sustainability dimensions of cities through a series of projects based on a common list of elements of urban form and which draw on the consortium s latest research to review the sustainability issues of each dimension the elements of urban form include density land use location accessibility transport infrastructure and characteristics of the built environment the book also addresses issues such as adapting cities psychological and ecological benefits of green space and sustainable lifestyles each presenting a critical review of the relevant literature followed by an

empirical analysis presenting the key results based on studies across five uk cities the book draws out findings of relevance to sustainable cities worldwide as well as an invaluable reference to researchers in sustainable planning and urban design the book will provide a useful text for advanced undergraduate and graduate courses and for policy makers dealing with these issues the cityform consortium is a multi disciplinary group of researchers from five universities funded by the uk engineering and physical science research council from 2003 07

in the vibrant discourse of urbanization and climate change sustainable urban agriculture new frontiers investigates emerging needs rising challenges and opportunities to support urban agriculture navigating the dynamic interplay of urbanization and environmental challenges the book introduces two pivotal agendas for urban sustainability the green agenda focusing on environmental health and the brown agenda emphasizing human well being and social justice the book embraces a global perspective by confronting geographical biases and advocating for context specific understanding and early interventions in small and medium cities this transformative journey guides readers through uncharted territories fostering profound awareness of urban agriculture s role in shaping a sustainable and resilient future in agriculture features presents information on socio ecological resilience shaping a sustainable urban future unveils practical implications traversing frontiers where urban cultivation extends beyond crops cultivating a thriving urban ecosystem discusses diverse urban agriculture practices from traditional methods to cutting edge technologies providing readers with an understanding of the multifaceted layers inherent in urban agriculture this volume in the nextgen agriculture novel concepts and innovative strategies series is essential for academics students practitioners and experts in urban agriculture and planning horticulture landscape architecture and plant sciences

this book presents new research and theory at the regional scale showing the forms metropolitan regions might take to achieve sustainability at the city scale the book presents case studies based on the latest research and practice from europe asia and north america showing how both planning and flagship design can propel cities into world class status and also improve sustainability the contributors explore the tension between polycentric and potentially sustainable development and urban fragmentation in a physical context but also in a wider cultural social and economic context

sustainable urban futures in africa provides a variety of conventional and emerging theoretical frameworks to inform understandings and responses to critical urban development issues such as urbanisation

climate change housing slum informality urban sprawl urban ecosystem services and urban poverty among others within the context of the sustainable development goals sdgs in africa this book addresses topics including challenges to spatial urban development how spatial planning is delivered how different urbanisation variables influence the development of different forms of urban systems and settlements in africa how city authorities could use old and new methods of land administration to produce sustainable urban spaces in africa and the role of local activism is causing important changes in the built environment chapters are written by a diverse range of african scholars and practitioners in urban planning and policy design environmental science and policy sociology agriculture natural resources management environmental law and politics urban africa has huge resource potential both human and natural resources that can stimulate sustainable development when effectively harnessed sustainable urban futures in africa provides support for the sdgs in urban africa and will be of interest to students and researchers professionals and policymakers and readers of urban studies spatial planning geography governance and other social sciences

this book provides a framework for the design implementation and measurement of sustainable urban development in developing countries it presents the findings of an ags sponsored project based on case studies in johannesburg gabarone and santiago de chile the book identifies challenges and potentials for sustainable urban development and suggests alternative ways that governments city regions communities and planners can respond to these challenges the introductory part highlights the problem of global urbanization focusing on cities of sub saharan africa and latin america the design part includes a context needs analysis followed by recommendations of broad frameworks for sustainable urban development the implementation part looks at the institutional and policy framework and strategies necessary for sustainable urban development while the measurement part deals with the required mechanisms and tools for evaluating sustainable urban development policy and strategies as well as the review of outcomes impacts indicators this publication is of special interest for university researchers and students international experts and organizations for sustainable urban development in developing countries but also practitioners from planning authorities worldwide

the world s population is rapidly urbanizing but the affluence and development often associated with cities are far from equitably or sustainably distributed where it was once taken for granted that responsibility for urban development lay with the state increasingly the emphasis has shifted to market driven and public private sector

initiatives which can marginalize the intended beneficiaries the urban poor from decision making and implementation this text outlines the essential conditions for effective urban planning and management by placing bottom up community initiatives at the heart of the push for equitable and sustainable development in cities crucially the state must engage with both the market and civil society in pursuit of sustainable cities presenting a wide ranging selection of case studies in rapidly urbanizing and transitional countries from the poorest parts of africa and asia to the relatively developed united kingdom the authors describe and analyze innovations in how globally disadvantaged urban communities can be engaged in improving their living environments

aquatic habitats supply a wide range of vital ecosystem benefits to cities and their inhabitants the unsustainable use of aquatic habitats including inadequate urban water management itself however tends to alter and reduce their biodiversity and therewith diminish their ability to provide clean water protect us from waterborne diseases and po

this report examines the experiences of eleven european countries including russia and the united states in designing and implementing sustainable urban transport policies

this collection of edited papers forms part of the compact city series creating a companion volume to the compact city 1996 and achieving sustainable urban form 2000 and extends the debate to developing countries this book examines and evaluates the merits and defects of compact city approaches in the context of developing countries in africa asia and latin america issues of theory policy and practice relating to sustainability of urban form are examined by a wide range of international academics and practitioners

developing an approach for sustainable planning framework in the indian context is extremely complex due to the diversity in the urban and metropolitan regions in the country sustainable urban planning attempts to clarify the planning process and sets a broad framework of urban planning in the country the book focuses on the planning reality of fundamental dimensions of sustainability and explains a work framework of the dynamics of sustainable planning in india the present book clarifies the planning process to students who are trying to work in the indian context it presents in three sections a set of interwoven discussions section one operates on the corpus of planning reality to disentangle the sutras of fundamental dimensions of sustainability and the interrelationship between these sutras to re explain a working framework of the dynamics of sustainable planning in india section two expands on each of the dimensions explaining their divergent parameters

and their indispensable roles in the making of such a framework section three synthesizes all of them to form the framework itself

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