
Approaches Towards Sustainable Urban Solid Waste Management

Planning, Development and Management of Sustainable Cities
Handbook of Advanced Approaches Towards Pollution Prevention and Control
Techniques and technologies for sustainability
Effective Waste Management and Circular Economy
Urban Stormwater Management in Developing Countries
Managing Urban Rivers
Waste Management Research Trends
Waste-to-Energy Approaches Towards Zero Waste
Green Planning for Cities and Communities
Municipal Solid Waste Management in Asia and the Pacific Islands
Integrated Sustainable Urban Water, Energy, and Solids Management
Climate Resilient, Green and Low Carbon Built Environment
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Urban Mining for Waste Management and Resource Recovery
Sustainable Urban Water Environment
Urban Drainage

Integrative Approaches in Urban Sustainability
GIS in Sustainable Urban Planning and Management
OECD Green Growth Studies Urban Green Growth in Dynamic Asia
Sustainable Practices for Landfill Design and Operation
Sustainability Appraisal
Towards Sustainable Environment in Tanzania
The Sustainable Urban Development Reader
Urban Regeneration in the UK

*Approaches
Towards
Sustainable
Urban Solid
Waste
Management*

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AGUIRRE KARTER

*Planning, Development
and Management of
Sustainable Cities*
National Academies Press
This publication includes

papers from a National Workshop on the formulation of a policy on the environment held in November 1994, and from an International Forum on Environmental Protection in Tanzania which preceded the workshop. Handbook of Advanced Approaches Towards

Pollution Prevention and Control Elsevier
Planning Sustainable Cities: An infrastructure-based approach provides an analytical framework for urban sustainability, focusing on the services and performance of infrastructure systems. The book approaches

infrastructure as a series of systems that function in synergy and are directly linked with urban planning. This method streamlines and guides the planning process, while still highlighting detail, each infrastructure system is decoded in four "system levels". The levels organize the processes, highlight connections between entities and decode the high-level planning and decision making process affecting infrastructure. For each system level strategic objectives of

planning are determined. The objectives correspond to the five focus areas of the Zofnass program: Quality of life, Natural World, Climate and Risk, Resource Allocation, Leadership. Developed through the Zofnass Program at the Harvard Graduate School of Design, this approach integrates the key infrastructure systems of Energy, Landscape, Transportation, Waste, Water, Information and Food and explores their synergies through land use planning, engineering,

economics and policy. The size and complexity of infrastructure systems means that multiple stakeholders facing their own challenges and agendas are involved in planning; this book creates a common, collaborative platform between public authorities, planners, and engineers. It is an essential resource for those seeking Envision Sustainability Professionals accreditation. [Techniques and technologies for](#)

sustainability OECD

Publishing

This book presents the application of system analysis techniques with case studies to help readers learn how the techniques can be applied, how the problems are solved, and which sustainable management strategies can be reached.

Effective Waste Management and Circular Economy John Wiley & Sons

Solid waste management issues, technologies and challenges are dynamic.

More so, in developing and transitory nations in Asia. This book, written by Asian experts in solid waste management, explores the current situation in Asian countries including Pacific Islands. There are not many technical books of this kind, especially dedicated to this region of the world. The chapters form a comprehensive, coherent investigation in municipal solid waste (MSW) management, including, definitions used, generation, sustainable waste

management system, legal framework and impacts on global warming. Several case studies from Asian nations are included to exemplify the real situation experienced. Discussions on MSW policy in these countries and their impacts on waste management and minimization (if any) are indeed an eye-opener. Undoubtedly, this book would be a pioneer in revealing the latest situation in the Asian region, which includes two of the world's most

dynamic nations in the economic growth. It is greatly envisaged to form an excellent source of reference in MSW management in Asia and Pacific Islands. This book will bridge the wide gap in available information between the developed and transitory/developing nations.

Urban Stormwater

Management in

Developing Countries

Springer Nature

Handbook of Advanced

Approaches towards

Pollution Prevention and

Control, Volume Two:

Legislative Measures and Sustainability for Pollution Prevention and Control condenses all relevant information on pollution prevention and control in a single source. This handbook (Volume Two of Two) covers the principals of pollution prevention and control technologies, recent advances in pollution prevention, control technologies and their sustainability, modernization in pollution prevention and control technologies for future and next generation of pollution prevention and

control technologies. The book is an indispensable resource for researchers and academic staff in chemical and process engineering, safety engineering, environmental engineering, biotechnology, and materials engineering. - Provides in-depth information on the principles and advances in pollution prevention and control practices - Discusses emerging technologies and processes for advanced pollution prevention and

control - Presents developments on the use of the assessment models as tools to support the research and applications of different technologies and processes - Provides history, fundamentals, state-of-the-art, and future trends - Edited by expert team of world-class editors

Managing Urban Rivers

Routledge

Urban Geomorphology: Landforms and Processes in Cities addresses the human impacts on landscapes through occupation (urbanization)

and development as a contribution to anthropogenic geomorphology or "anthropogeomorphology." This includes a focus on land clearance, conservation issues, pollution, decay and erosion, urban climate, and anthropogenic climate change. These topics, as well as others, are considered to shed more light on the human transformation of natural landscapes and the environmental impacts and geomorphological hazards that

environmental change can encompass. Its multidisciplinary approach is appropriate for audiences from a range of disciplines and professions, from geologists, conservationists, and land-use planners to architects and developers. Urban Geomorphology not only transcends disciplines, but also covers varied spatial-temporal frameworks and presents a diverse set of approaches and solutions to human impacts and geomorphological hazards

within urban landscapes. - Features a cross-disciplinary perspective, highlighting the importance of the geosciences to environmental science, engineering, and public policy - Focuses on the built environment as the location of concentrated human impacts and change - Provides an international scope, including case studies from urban areas around the world

**Waste Management
Research Trends**

Elsevier

This book discusses human factors research directed towards realizing and assessing sustainability in the built environment. It reports on advanced engineering methods for sustainable infrastructure design, as well as on assessments of the efficient methods and the social, environmental, and economic impact of various designs and projects. The book covers a range of topics, including the use of recycled materials in architecture, ergonomics in buildings and public

design, sustainable design for smart cities, design for the aging population, industrial design, human scale in architecture, and many more. Based on the AHFE 2018 International Conference on Human Factors, Sustainable Urban Planning and Infrastructure, held on July 21–25, 2018, in Orlando, Florida, USA, it offers various perspectives on sustainability and ergonomics. As such, it is a valuable reference resource for designers, urban engineers, architects, infrastructure

professionals, public infrastructure owners, policy makers, government engineers and planners, as well as operations managers and academics active in urban and infrastructure research.

Waste-to-Energy

Approaches Towards Zero Waste CRC Press

This book addresses key issues across the field of sustainable urban planning, and provides a unique reference tool for planners, engineers, architects, public administrators, and other

experts. The evolution of cities and communities is giving rise to pressing energy and environmental problems that demand concrete solutions. In this context, urban planning is inevitably a complex activity that requires a sound analytical interpretation of ongoing developments, multidisciplinary analysis of the available tools and technologies, appropriate political management, and the ability to monitor progress objectively in order to verify the effectiveness of the

policies implemented.

This book is exceptional in both the breadth of its coverage and its focus on the interactions between different elements.

Individual sections focus on strategies and tools for green planning, energy efficiency and sustainability in city planning, sustainable mobility, rating systems, and the smart city approach to improving urban-scale sustainability. The authors draw on their extensive practical experience to provide operational content

supplementing the theoretical and methodological elements covered in the text, and each section features informative case studies. *Green Planning for Cities and Communities* Routledge
 Waste-to-Energy Approaches Towards Zero Waste: Interdisciplinary Methods of Controlling Waste provides a comprehensive overview of the key technologies and approaches to achieve zero waste from energy. The book emphasizes the

importance of an integrated approach to waste-to-energy using fundamental concepts and principles, and presents key methods, their applications, and perspectives on future development. The book provides readers with the tools to make key decisions on waste-to-energy projects from zero-waste principles, while incorporating sustainability and life cycle assessments from financial and environmental perspectives. Waste-to-

Energy Approaches Towards Zero Waste: Interdisciplinary Methods of Controlling Waste offers practical guidance on achieving energy with zero waste ideal for researchers and graduate students involved in waste-to-energy and renewable energy, waste remediation, and sustainability. - Provides an integrated approach for waste-to-energy using zero waste concepts - Offers decision-making guidance on selecting the most appropriate approach for each project

- Presents the sustainability and life cycle assessment of WTE technologies on financial and environmental grounds
Municipal Solid Waste Management in Asia and the Pacific Islands BoD - Books on Demand
The urban environment - buildings, cities and infrastructure - represents one of the most important contributors to climate change, while at the same time holding the key to a more sustainable way of living. The transformation from traditional to

sustainable systems requires interdisciplinary knowledge of the re-design, construction, operation and maintenance of the built environment. Sustainable Urban Environments: An Ecosystem Approach presents fundamental knowledge of the built environment. Approaching the topic from an ecosystems perspective, it shows the reader how to combine diverse practical elements into sustainable solutions for future buildings and cities. You'll learn to connect

problems and solutions at different spatial scales, from urban ecology to material, water and energy use, from urban transport to livability and health. The authors introduce and explore a variety of governance tools that support the transformation process, and show how they can help overcome institutional barriers. The book concludes with an account of promising perspectives for achieving a sustainable built environment in industrialized countries.

Offering a unique overview and understanding of the most pressing challenges in the built environment, *Sustainable Urban Environments* helps the reader grasp opportunities for integration of knowledge and technologies in the design, construction and management of the built environment. Students and practitioners who are eager to look beyond their own fields of interest will appreciate this book because of its depth and breadth of coverage.

Integrated Sustainable Urban Water, Energy, and Solids Management
Psychology Press
Striking transformations are taking place in the urban landscape. The regeneration of urban areas in the UK and around the world has become an increasingly important issue amongst governments and populations since the global economic downturn. This textbook provides an accessible and critical synthesis of urban regeneration in the UK, analyzing key policies,

approaches, issues and debates. It places the historical and contemporary regeneration agenda in context. The second edition has been extensively revised and updated to incorporate advances in literature, policy and case study examples, as well as giving greater discussion to the New Labour period of urban policy, and the urban agenda and regeneration policies of the Conservative-Liberal Democrat Coalition government elected in

2010. The book is divided into five sections, with Section I establishing the conceptual and political framework for urban regeneration in the UK. Section II traces policies that have been adopted by central government to influence the social, economic and physical development of cities, including early town and country and housing initiatives, community-focused urban policies of the late 1960s, entrepreneurial property-led regeneration of the 1980s, competition for

urban funds in the 1990s, urban renaissance and neighborhood renewal policies of the late 1990s and early 2000s, and new approaches since 2010 which have sought to stimulate enterprise and embrace localism in an age of austerity resulting from the global economic downturn. Section III illustrates the key thematic policies and strategies that have been pursued by cities themselves, focusing particularly on improving economic competitiveness, tackling

social disadvantage and promoting sustainable urban regeneration. Section IV summarizes key issues and debates facing urban regeneration in the early 2010s, and speculates upon future directions in an era of economic and political uncertainty. Urban Regeneration in the UK combines the approaches taken by central government and cities themselves to regenerate urban areas, providing a comprehensive and up-to-date synthesis of the field. Each chapter also

contains case studies, study questions, suggested further reading and websites, making this an essential resource for undergraduate students interested in Urban Studies, Geography, Planning and the Built Environment.

Climate Resilient, Green and Low Carbon Built Environment

Frontiers Media SA

This publication brings together an international group of researchers and presents work from different countries dealing with issues related to

transport policy, attitudes and mode choice, car sharing and alternative modes of transport, and discusses the future of non-motorized modes of transport.

Smart, Resilient and Transition Cities Elsevier
Managing Urban Rivers: From Planning to Practice captures the different facets of river management required for integrating rivers within the development landscape of cities in a sustainable manner. Sections cover the entire spectrum of urban river

management, from planning to actual on-the-ground implementation, providing a one-stop destination for knowledge on urban river management. Edited by a team of four experts with practical experience in this domain, the different chapters of the book are authored by eminent scholars and practitioners with expertise in specific areas of urban river management. Urban rivers and their management is a hot topic as governments across the world are

focusing on this aspect, especially since it has direct implications for SDG target 6.6, which aims to "protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes. - Presents practical, global case studies in almost every chapter - Provides recommendations for best practices, based on lessons from different successful case studies, as well as the expert insights of the authors - Features contributions

from global experts for a unique and specialized approach to the topic of urban rivers
Planning Sustainable Cities John Wiley & Sons
Smart, Resilient and Transition Cities: Emerging Approaches and Tools for Climate-Sensitive Urban Development starts with a presentation of three widespread Urban Metaphors, which are gaining increasing attention from urban planners and decision-makers: Smart City, Resilient City and

Transition Towns, being all of them focused on the need for enhancing cities' capacities to cope with the multiple and heterogeneous challenges threatening contemporary cities and their future development and, above all, with climate issues. Then, the Authors provide an overview of current large-scale and urban strategies to counterbalance climate change so far undertaken in different geographical contexts (Europe, United States, China, Africa and Australia), shedding light

on the different approaches, on the different weights assigned to mitigation and adaptation issues as well as on the main barriers hindering their effectiveness and translation into measurable outcomes. Opportunities and criticalities arising from the rich, 'sprawled' and 'blurred' landscape of current strategies and initiatives in the face of climate change pave the way to a discussion on the lessons learnt from current initiatives and

provide new hints for developing integrated climate strategies, capable to guide planners and decision makers towards a climate sensitive urban development Smart, Resilient and Transition Cities: Emerging Approaches and Tools for Climate-Sensitive Urban Development merges a scientific approach with a pragmatic one. Through a case study approach, the Authors explore strengths and weaknesses of institutional and informal practices to foreshadow

innovative paths for an adaptive process of urban governance in the face of climate change. The book guides the reader along new governance paths, characterized by continuous learning and close cooperation and communication among different actors and stakeholders and, in so doing, helps them to overcome current 'siloes' approaches to climate issues. - Links resilience, smart growth, low-carbon urbanism, climate-friendly cities, sustainable development and

transition cities, being all these concepts crucial to improve effective climate policies - Includes a number of case studies showing how cities, different in size, geographical, cultural and economic contexts are currently dealing with climate issues, grasping synergies and commonalities arising from current institutional practices and transition initiatives - Provides strategic and operative guidelines to overcome barriers and critical issues emerging from current

practices, promoting cross-sectoral approaches to counterbalance climate change
Pathways to Urban Sustainability Elsevier
 The Urban Green Growth in Dynamic Asia project explores how to promote green growth in Asian cities, examining policies and practices that encourage both environmental sustainability and competitiveness. This synthesis report presents case studies and practical policy recommendations.
Urban Geomorphology

Springer
 The book contains the proceedings of the OECD Conference that was held in Rome in December 1999. It presents the wide range of initiatives and indicators that are already in place, and outlines the challenges that remain in measuring progress towards sustainable development.
Urban Engineering for Sustainability CRC Press
 A guide for urban areas to achieve sustainability by recovering water, energy, and solids Integrated Sustainable Urban Water,

Energy, and Solids Management presents an integrated and sustainable system of urban water, used (waste) water, and waste solids management that would save and protect water quality, recover energy and other resources from used water and waste solids including plastics, and minimize or eliminate the need for landfills. The author—a noted expert on the topic—explains how to accomplish sustainability with drainage infrastructures connected to receiving waters that

protect or mimic nature and are resilient to natural and anthropogenic stresses, including extreme events. The book shows how to reduce emissions of greenhouse gasses to net zero level through water conservation, recycling, and generating blue and green energy from waste by emerging emission free technologies while simultaneously installing solar power on houses and wind power in communities. Water conservation and stormwater capture can

provide good water quality for diverse applications from natural and reclaimed water to blue and green energy and other resources for use by present and future generations. This important book: Considers municipal solid waste as an ongoing source of energy and resources that will eliminate the need for landfills and can be processed along with used water Presents an integrated approach to urban sustainability Offers an approach for reducing greenhouse gas emissions

by communities to net zero. Written for students, urban planners, managers, and waste management professionals, *Integrated Sustainable Urban Water, Energy, and Solids Management* is a must-have guide for achieving sustainable integrated water, energy, and resource recovery in urban areas.

Best Practices in Urban Solid Waste Management
Edward Elgar Publishing
Integrative Approaches in Urban Sustainability - Architectural Design,

Technological Innovations and Social Dynamics in Global Contexts takes readers on an academic exploration of the complex realm of urban sustainability. This extensive book explores the significant changes in the worldwide demographic environment, documenting the swift process of urbanization that has taken place from the beginning of the 19th century. This highlights the impact of the shift from rural to urban environments on our

global society, bringing both difficulties and possibilities in equal proportions. This intellectually stimulating investigation transcends mere academic inquiry. It emphasizes the need for comprehensive strategies in urban planning, combining user-focused design with inventive solutions and environmental consciousness. Key themes encompass the incorporation of eco-friendly technology, such as solar energy systems, into urban architecture,

the significance of designs that prioritize pedestrians and green spaces for the development of sustainable and livable communities, and the crucial role of technological progress in energy and health management within the urban environment. This book also addresses the socioeconomic consequences of urbanization, encompassing issues such as the cost of housing and the availability of high-quality education and health care. This analysis

explores the impact of urban hubs on promoting economic expansion and innovation, emphasizing the necessity for policies that balance economic progress and social fairness. This book is essential for politicians, urban planners, researchers, and everyone with an interest in the future of our cities. It presents a persuasive concept of developing urban settings that are financially prosperous, technologically sophisticated, environmentally

sustainable, and socially inclusive. The tactics and concepts provided are crucial in constructing cities that can effectively address the intricate requirements of the 21st century and beyond. Participate in reimagining the potential of urban spaces and molding a future where cities thrive as vibrant centers for everyone.

Towards Sustainable Development Indicators to Measure Progress (Proceedings of the Rome Conference) BoD -

Books on Demand

The purpose of this book is to disseminate contemporary knowledge and practical experiences concerning problems and solutions related to urban hydrology and drainage. Although the main focus is on developing countries, the book draws from experiences in many other parts of the world. Based upon numerous practical examples and case studies, the book provides information to assist in the management, planning and engineering design

processes. Urban Stormwater Management in Developing Countries covers a wide range of methods and approaches to improve the understanding and ability of local stakeholders to solve stormwater problems within the framework of integrated urban water management. As well as structural interventions, the book describes various non-structural approaches for flood mitigation and pollution control. This book encourages the reader to

adopt an integrated approach towards stormwater management and considers the importance of institutional arrangements, participation of local stakeholders in planning, as well as aspects of financing and cost recovery. This comprehensive and topical book: Addresses the broad range of issues related to urban stormwater management with a specific focus on developing countries. Covers the main aspects of planning, design,

operation and maintenance of urban drainage systems as well as socio-economic and institutional issues related to urban stormwater management. Presents structural and non-structural approaches for flood mitigation and pollution control within an integrated water resource management framework. Provides extensive examples and case studies of "best practice". Contents Urbanisation and urban hydrology Impacts of flooding on society Integrated framework for

stormwater management Institutional structures and policies Planning for urban stormwater management Approaches to urban drainage system design Ecological approaches to urban drainage system design Applications of computer models Operational performance and maintenance Flood mitigation and response strategies Participation and partnerships Economics and financing Full Contents List (27KB) [Advances in Human Factors, Sustainable](#)

[Urban Planning and Infrastructure](#) OECD Publishing
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.

Best Sellers - Books :

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