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Sustainable Practices: Concepts, Methodologies,
Tools, and Applications

Climate Impacts on Sustainable Natural Resource
Management

Case Studies in Cultural Entrepreneurship

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Innovating Strategies and Solutions for Urban
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Sustainable Water Resources Management

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Journal of the House of Representatives of the
United States
Hybrid Urban Bioscape
Upper Mississippi River-Illinois Waterway System
Navigation Feasibility Study, Integrated Feasibility
Report
Smart and Sustainable Planning for Cities and
Regions
An Indicator System to Evaluate Built
Environment Performance for Waterfront
Regeneration
Natural Resources Conservation and Advances for
Sustainability
Ecological Significance of River Ecosystems
Undergraduate Research in Architecture
Toward Sustainable Development?
Routledge Handbook of Sustainable Heritage
Guidelines for Mainstreaming Natural River
Management in Water Sector Investments
Public Open Space in Transition for health and
well-being
Progress in Sustainable Development
River Culture

Congressional Record
Handbook of Waterfront Cities and Urbanism
Sustainable Engineering, Energy, and the
Environment
River restoration: a strategic approach to
planning and management
Understanding Built Environment
Water Resources Management and Sustainability

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Sustainable
Practices:
Concepts,
Methodologies
, Tools, and
Applications
Taylor &
Francis
Which open
spaces and
combinations
of green-blue
infrastructure
provide
optimum
wellbeing
benefits? How
we do ensure

these benefits
are available
to all? Can we
reduce health
and well-being
inequalities
through
sensible
design? The
volume
focuses on
specific
studies in
urban design,
environmental
psychology
and public
health
combining
'green' spaces
with 'green-
blue'
infrastructures

, active
mobility and
facilities,
showing a
series of
criteria
necessary to
ensure that
'green-blue'
space can
work
optimally. The
book is
divided in two
parts: Part one
goes on to
demonstrate
how design
along
waterfronts
can contribute
to support the
well-being of

people and encourage urban quality. Part two identifies design concepts for health and well-being in urban spaces. *Climate Impacts on Sustainable Natural Resource Management* Springer Nature Natural Resources Conservation and Advances for Sustainability addresses the latest challenges associated with the management and conservation

of natural resources. It presents interdisciplinary approaches to promote advances in solving these challenges. By examining what has already been done and analyzing it in the context of what still needs to be done, particularly in the context of latest technologies and sustainability, the book helps to identify ideal methods for natural resource management and conservation.

Each chapter begins with a graphical abstract and presents complicated or detailed content in the form of figures or tables. In addition, the book compares the latest techniques with conventional techniques and troubleshoots conventional methods with modifications, making it a practical resource for researchers in environmental science and natural resource management.

Discusses the pros and cons of past and current endeavors related to natural resource management. Presents recent technologies and methods for management and conservation, particularly with applications for sustainability. Covers a variety of disciplines, from environmental science to life science. Includes a graphical abstract as

well as a section on significant achievements in the field and future perspectives. **Case Studies in Cultural Entrepreneurship** UNESCO Publishing. While industrial and chemical innovations have contributed extensively to human advancement, the darker part of their legacy has been the hundreds of thousands of polluted sites left behind. Governments at all levels have rallied to

support the remediation and reuse of these land resources and put many of the nation's brownfields back into productive use. This book presents two dozen brownfield projects in the United States that have incorporated sustainability, highlighting project features, best management practices, and lessons from the field regarding the underlying policies and practices that enabled these projects to be

completed or, in some cases, stalled, altered or abandoned. The case studies represent an array of brownfield projects that aimed to go beyond conventional practice and include a range and variety of end uses (e.g., corner gas stations, industrial, office, residential, brightfields, green space, mixed-use, and transit-oriented developments). The cases investigate

site histories, planning and development and examine sustainability characteristics to understand how projects overcame the barriers to brownfield reuse and the implementation of sustainability features and derive a series of lessons learned, including innovative policies, programs, and/or funding mechanisms that helped make these projects work. Sustainable Brownfield Development will be of

interest to developers, planners, consultants and community representatives interested in environmental policy, urban planning, community development, ecological restoration, economic development, and parks planning by providing direction and inspiration for those eager to erase the blight of the past and build a more sustainable future. The Sustainable City V IGI

Global Urban waterfront areas in the U.S. have been through a significant depression due to the traditional industries' decay. While the waterfront revitalization comes along with the demand of sustainability and high urban living standards. More and more waterfronts have oriented their regeneration from pedestrian culture, which stands for a vibrant and

sustainable space to revive the image of the cities. In an effort to explore an urban design strategy which can effectively enhance the riverfront experience, this thesis introduces an application of a weighted indicator system and draws the conclusion through comparison analysis. Furthermore, the benchmark will be built via the summarization of the case study and the

outcomes quantized by the indicator system. Downtown Jacksonville will be set up as a main case to examine the feasibility and applicability of the indicator system, with comparison to the two well-known waterfront redevelopment projects - Baltimore Inner Harbor and North Shore Pittsburgh. Recommendations for Downtown Jacksonville will be reached, and the

significance and limitations of the research will be discussed based on the comparison analysis.

Innovating Strategies and Solutions for Urban Performance and Regeneration

Elsevier
This volume presents innovative work on innovative methods, tools and practices aimed at supporting the transition of Asian and Middle Eastern cities and regions towards a more smart

and sustainable dimension. The role of the built and urban environment are becoming more pronounced in Asia and Middle East as the regions continues to experience rapid increase in population and urbanisation, which have only led to an increase in environmental degradation but also rise in energy consumption and emissions. Individual chapters covers timely

topics such as sustainable infrastructure, transportation , renewable energy, water and methods supporting an innovative and sustainable development of urban areas. Real-world examples are presented to highlight recent developments and advancements in design, construction and transportation infrastructures . The volume is based on the best contributions to the 2nd GeoMEast

International Congress and Exhibition on Sustainable Civil Infrastructures , Egypt 2018 - The official international congress of the Soil-Structure Interaction Group in Egypt (SSIGE). *Architectural Research Addressing Societal Challenges* M.E. Sharpe This book is a comprehensive document visualizing the future of built environment from a multidisciplinary dimension, with special emphasis on

the Indian scenario. The multidisciplinary focus would be helpful for the readers to cross-refer and understand others' perspectives. The text also includes case studies substantiating theoretical research. This method of composition helps the book to maintain rational balance among theory, research and its contextual application. The book comprises selected papers from the National

Conference on Sustainable Built Environment. The chapters provide varied viewpoints on the core issues of urbanization and planning. This compilation would be of interest to students, researchers, professionals and policy makers. Fluvial Systems in the Anthropocene WIT Press This book takes a unique interdisciplinary look at the latest developments, advances, and trends in the

interrelated areas of sustainable engineering, energy, and the environment, focusing on environmental engineering for renewable and green energy. It looks at new research and studies on a variety of topics in green nanotechnology, green processing and solar energy, sustainable energy policies, biofuels, fuel cells, and much more. The first section of Sustainable

Engineering, Energy, and the Environment: Challenges and Opportunities looks at myriad issues in sustainable energy, such as sustainable urbanism through space planning and residential building design, a method to convert vibrations from mechanical work into power, energy grid maintenance, mathematical modeling and time analysis of various mechanical

activities, and more. Topics on sustainable energy include voltage systems for stand-alone nanogrids, new sources for biodiesel production, solar energy conversion, protection equipment for windmill towers, etc. The section on sustainable environment explores issues such as industrial water recycling, regeneration of spent-activated carbon in pharmaceutical production, smell

mitigation and recovery of fuel from waste, the water footprint of agriculture, etc. Key features Presents advances and developments in the areas of engineering, energy, and environment under sustainable development Examines potential issues of understanding of green buildings and their energy efficiency Presents case studies on sustainable urbanization Presents novel

clean technology applications for attaining environmental sustainability Assesses green auditing and natural capital accounting Describes relevant experimental techniques This book features important contributions from scientists, academicians, and professionals on the latest developments and advances in the interrelated fields of sustainable engineering,

energy, and environment. *River Sand Mining Modelling and Sustainable Practice* Actar D, Inc. Undergraduate Research in Architecture: A Guide for Students supplies tools for scaffolding research skills, with examples of undergraduate research activities and case studies on projects in the various areas of architecture study. Undergraduate research has become a common degree

requirement in some disciplines and is growing rapidly. Many undergraduate activities in music have components that could be combined into compelling undergraduate research projects, either in the required curriculum, as part of existing courses, or in capstone courses centered on undergraduate research. Following an overview chapter, the next seven chapters cover

research skills including literature reviews, choosing topics, formulating questions, citing sources, disseminating results, and working with data and human subjects. A wide variety of sub-disciplines follow in the remaining chapters, with sample project ideas from each as well as undergraduate research conference abstracts. The final chapter is an annotated guide to online

resources. Included are some inspirational quotations concerning architecture's commitment to research, and some examples of professional research that support the focus of the chapter. All chapters end with relevant questions for discussion. Sustainable Development and Planning IX Springer Nature Ecological Significance of Riparian Ecosystems: Challenges and Management

Strategies examines the current issues related to river ecosystems, their environmental importance, pollution issues and potential management strategies. The book is divided into 4 key themes: Basics of river ecosystem, Natural phenomenon of river ecosystem, Human-induced problems of river ecosystem, and Management measures for the river

ecosystem. Through these four themes, the contributors present both practical and theoretical aspects of river ecosystem in changing climate. An emphasis has been made on the recent research of climate change and its impact on the river ecosystem. River ecosystems have tremendous potential to store CO₂, however, with changing climatic and anthropogenic

activities, these habitats are under threat, and river ecosystems are losing the very vital service of storing carbon. Unlike well documented terrestrial biodiversity, the biodiversity in aquatic ecosystems is still unrecognized to some extent. Presents an understanding of the biogeochemical processes of river ecosystems achieved by food webs and

diverse biogeochemical processes Covers sediment dynamics and nutrient chemistry - hot topics in river ecosystems Includes environmental pollution issues in river ecosystems from various anthropogenic activities A Study on Sustainable Riverfront Landscape Design Taylor & Francis This book comprises a selection of the top contributions presented at the second international conference “Smart and Sustainable Planning for Cities and Regions 2017”, held in March 2017 in Bolzano, Italy. Featuring forty-six papers by policy-makers, academics and consultants, it discusses current groundbreaking research in smart and sustainable planning, including the progress made in overcoming cities’ challenges towards improving the quality of life. Climate change adaptation and mitigation of global warming, generally identified as drivers of global policies, are just the “tip of the iceberg” when it comes to smart energy transition. Indeed, equally relevant towards this current transformation – and key topics in this volume – are ICTs, public spaces and society; next economy for the city;

strategies and actions for good governance; urban-rural innovation; rethinking mobility. The book's depth in understanding and insightfulness in re-thinking demonstrate the breaking of new ground in smart and sustainable planning. A new ground that policy-makers, academics and consultants may build upon as a bedrock for smart and sustainable planning.

Sustainable Water Resources Management
Routledge
This book brings high-quality selected research articles from the international conference on Sustainable Water Resources Management (SWARM 2020), held at Assam Engineering College, Guwahati, Assam, India, during 19-21 June 2020. The book focuses on water management and planning,

urban water management, climate change and global warming, management of groundwater and aquifer remediation, water conservation, water quality, pollution control, management of trans-boundary rivers, advanced hydrological modelling and hydro-disaster risk management of sustainable water management. **Architectural Research Addressing**

**Societal
Challenges
Volume 1**

Springer
Nature
Inspired by a conference held at Columbia U. in March 1992 (though the roster of contributors extends beyond those who participated in the conference), this volume emerges from an attempt to understand development and the resistance to it in the contemporary world. Its subject is the development efforts in the

Narmada River valley in central and western India, particularly the Sardar Sarovar Project (SSP). The 17 chapters are organized into seven parts: introduction; overviews of the SSP; histories of resistance to the SSP; resettlement and rehabilitation; technical and environmental concerns and alternatives; the independent review; and politics and development. Paper edition (unseen),

\$24.95.
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Project Management and BIM for Sustainable Modern Cities
Altralinea Edizioni
An unnoticed shift is underway in the revanchist model of accumulation by dispossession (Harvey, 2005) that is rebranding the neoliberal reorganization of space and economic growth. I call this shift "Urban

Revanchism as Sustainability, " following Mike Davis and Daniel Monk (2007). In this study, I describe how Tampa elites, led by Democratic Mayor Bob Buckhorn, use politically popular discourses of sustainability, walkability, bike-ability, among others, to coopt the rhetoric and symbols of social and environmental justice as cover for urban capital accumulation. I describe how in the wake of 2008 which devastated Tampa, and in the context of the subsequent gentrification of downtown Tampa, this sustainable urban revitalization strategy is being used to legitimize accumulation by dispossession of the most sought-after land on the downtown waterfront. This green mode of enforcing urban revanchism is a politically charged, class-based process that is based on the prior militarization of the city police and securitization of urban space, contradicting the principles of social and environmental sustainability (Agyeman, 2003). Based on ethnographic observations, interviews, newspaper reviews, and document analysis, I show how an environmental facade is being layered over exclusionary forms of racial displacement and class

exploitation. As such, the rebranding of a system of militarized exclusion and displacement which amounts to a selective neo-liberal “right to the city” is being normalized across the downtown riverfront. The resulting new waterfront city valorizes individualized entertainment and consumption for elites and privileged business professionals, at the same that it discourages collective

solidarity and care among the dwindling middle- and working classes, and enforces private competition among the poor and unemployed. (Re)Stitch Tampa CRC Press Progress in Sustainable Development: Sustainable Engineering Practices provides readers with the latest research and best practices in sustainable engineering in the fields of urban, environmental , energy and

sustainability sciences, reflecting a focus on state-of-the art insights and the latest developments. Chapters focus on the key engineering principles of effective resource use, reduction of excess waste, and taking advantage of natural resources to equip readers with the background information and practical considerations of successful implementations of sustainable technical

solutions. Each chapter features detailed case studies and figures showing real-world applications of the latest technologies, ensuring they are reproducible by the reader. The multidisciplinary chapters include environmentally-friendly technologies and the application of novel initiatives in engineering for infrastructure, renewable energy generation,

advanced materials and waste, among other areas, with a strong emphasis on sustainability and conservation of resources. Provides the most recent developments and novel practices in engineering for furthering sustainable development. Takes an interdisciplinary look at sustainable engineering practices across the fields of urban studies, environmental science and energy. Includes case

studies to show how readers can implement the practical engineering solutions. Detailed **Sustainable Brownfield Development** WIT Press. Containing papers presented at the 9th International Conference on Sustainable Development and Planning, this volume brings together the work of academics, policy makers, practitioners and other international stakeholders and discusses

new academic findings and their application in planning and development strategies, assessment tools and decision making processes. Problems related to development and planning are present in all areas and regions of the world. Accelerated urbanisation has resulted in both the deterioration of the environment and quality of life. Taking into consideration the interaction

between different regions and developing new methodologies for monitoring, planning and implementation, new strategies can offer solutions mitigating environmental pollution and non-sustainable use of available resources. Energy saving and eco-friendly buildings have become an important part of modern day progress with emphasis on resource optimisation.

Planning is a key part in ensuring that these solutions along with new materials and processes are efficiently incorporated. Planners, environmentalists, architects, engineers and economists have to work collectively to ensure that present and future needs are met. The papers in the book cover a number of topics, including: City planning; Regional planning; Rural developments

; Sustainability and the built environment; Sustainability supply chain; Resilience; Environmental management; Energy resources; Cultural heritage; Quality of life; Sustainable solutions in emerging countries; Sustainable tourism; Learning from nature; Transportation ; Social and political issues; Community planning; UN Sustainable Development Goals and Timber Structures.

Environmental Concerns and Sustainable Development John Wiley & Sons
"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.
Waterfront urban space
WIT Press
To that end, I have chosen

six distinctive cases from North America, Europe and Asia for comparative analysis. With pictures, charts and diagrams, each case is systematically categorized, analyzed and then summarized by the findings. Urban redevelopment strategies along a river would be sustainable with three measures: ecological river system restoration, historical context

protection, and the humanistic extension of urban open space. To restore natural ecological functions, a design layout must be functionally optimized, respect natural forms, foster river biological communities and encourage natural purification capability. To protect historical sites, a design must maintain the city's cultural heritage, create a spirit

of identity and a sense of belonging, and improve the city's aesthetics. To extend public recreation spaces, a design must create diversified and recognized spaces, generate and improve functions, develop more places near the water, for human use, promote more people-friendly spaces and promote harmonious and healthy developments for both society and the

environment. *Policing the Riverfront* CRC Press
The Congressional Record is the official record of the proceedings and debates of the United States Congress. It is published daily when Congress is in session. The Congressional Record began publication in 1873. Debates for sessions prior to 1873 are recorded in The Debates and Proceedings in the Congress of the United States (1789-1824),

the Register of Debates in Congress (1824-1837), and the Congressional Globe (1833-1873) Energy and Sustainability V Springer Nature (Re)stitch Tampa, an international design ideas competition, challenged designers to consider innovative design ideas and strategies, employing connective urban landscapes and ecological infrastructure as an underlying

framework for the post-war coastal city. The competition brief posited that this framework might operate as a catalyst for the economic redevelopment, as well as the landscape and urban recovery of Tampa, Florida. These strategies might physically reconnect a fragmented city, its urban fabric punctured with urban vacancies and significantly impacted by foreclosures

during the financial crash, as well as earlier suburban expansion and urban renewal agendas. The Obama administration's announcement in 2010 of 1.25 billion dollars of federal stimulus package monies earmarked for a high-speed rail connection between Orlando and Tampa, to be the first in the United States, was the initial catalyst for the large scale infrastructural re-thinking of

the city. While the high-speed rail was not implemented in the end, squashed by tea party politics, this infrastructural initiative still prompted the momentum and enthusiasm for an infrastructural re-thinking of the city. How might this new urban framework begin to choreograph the flows and movements through the city, to and from its river running through Tampa,

virtually hidden and undetected? The charge of an urban design master plan, initially focused around what was designated as the high-speed rail station, was the impetus for the re-thinking and recalibration of infrastructure through ecologies for the city. This publication critically examines these issues through essays, in addition to showcasing selected

competition entries, the results of (re)stitch Tampa. The discourse distills the design schemes and examines their possibilities as viable alternative urban models for development, which reconsider the relationship of landscape to the city and urban redevelopment. It also proposes how the schemes might operate as transformative urban design agents and as

the underlying connective tissue which (re)stitch the city to the river and bring the river and its ecologies into the city.

Urban Waterfront Promenades

Altralinea Edizioni Handbook of Waterfront Cities and Urbanism is the first resource to address cities' transformation s of their coastlines and riverbanks and the resulting effects on environment, culture, and identity in a genuinely

global context. Spanning cities from Gdańsk to Georgetown, this reference for design, development, and planning explores the transition of waterfronts from industrial and port zones to crowd-drawing urban spectacles within the frameworks of urban development, economics, ecology, governance, globalization, preservation, and sustainability. A collection of contextual

studies, local perspectives, project reviews, and analyses of evolution and emerging trends provides critical insight into the phenomenon of waterfront development and urbanism in cities from the East to the West.

Features:
Explores the transformation of waterfronts from industrial hubs to urban playgrounds through the lenses of preservation, governance, economics, ecology, and more.

Presents chapter-length case studies drawn from cities in China, Bangladesh, Turkey, the United States, Malaysia, the European Union, Egypt, and other countries. Includes contributions from an interdisciplinary team of international scholars and

professionals, a much-needed corrective to the historical exclusion of researchers and issues from the Global South. An ideal reference for graduate students, scholars, and professionals in urban planning, architecture, geography,

and history, the Handbook of Waterfront Cities and Urbanism deserves to be on the shelf of urban authorities and any internationally minded academic or practitioner in real estate development, water management, preservation, or tourism.