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ENVIRONMENTAL SOLUTIONS

ENVIRONMENTAL PROBLEMS AND THE ALL-INCLUSIVE GLOBAL, SCIENTIFIC, POLITICAL, LEGAL, ECONOMIC, MEDICAL, AND ENGINEERING BASES TO SOLVE THEM

Elsevier In our changing world, society demands more comprehensive and thoughtful solutions from environmental engineers, environmental consultants and scientists dealing with the degradation of our environment. Lead by Nelson Nemerow and Franklin Agardy, experts in business, academia, government and practice have been brought together in Environmental Solutions to provide guidance for these environmental professionals. The reader is presented with a variety of solutions to common and not so common environmental problems which lay the groundwork for environmental advocates to decide which solutions will work best for their particular circumstances. This book discusses chemical, biological, physical, forensic, medical, international, economic, political, industrial-collaborative solutions and solutions for rural and developing countries giving readers the freedom to evaluate a variety of options and make informed decisions. End of chapter questions and additional resources are included making this an invaluable teaching tool and ideal reference for those currently involved in improving and preserving our environment. Contributions by international experts in government, industry, and academia. Editors are recognized as the editors of Environmental Engineering, the best selling title published by John Wiley. The first action-oriented book for environmental engineers.

PERCHLORATE

ENVIRONMENTAL PROBLEMS AND SOLUTIONS

CRC Press The development of analytical methods for identifying widespread perchlorate contamination brought about an explosion of research into the environmental problems and their potential solutions along with a corresponding increase in the availability of information. Unlike reference works that focus on only a few aspects of this contaminant, Perchlorate: Environmental Problems and Solutions offers a comprehensive, single source of information on perchlorate contamination in the environment. Summarizing the state of the science and developments in engineering, the book describes: Common sources of perchlorate Its behavior in the environment Methods for analyzing perchlorate in environmental samples Potential risks to human health and the environment Regulatory standards and criteria Techniques for remediating environmental contamination The authors illustrate these points with case studies of perchlorate contamination in soil, groundwater, and surface water. These case studies provide perspective on issues commonly faced by scientists, engineers, and managers of perchlorate-impacted sites. Organized to follow the logical sequence of identifying and solving contamination problems, the book provides the foundation necessary to understand perchlorate's occurrence, environmental behavior, regulatory status, and remediation.

AGRICULTURAL POLLUTION

ENVIRONMENTAL PROBLEMS AND PRACTICAL SOLUTIONS

CRC Press This comprehensive text provides a concise overview of environmental problems caused by agriculture, (such as pesticide pollution and increased nitrate levels) and offers practical solutions to them. It is well illustrated and contains a fully-referenced introduction to the main contemporary agricultural pollution issues in the UK. It will help provide clear, scientific and technical understanding of the most important sources of agricultural pollution.

ENVIRONMENTAL PROBLEMS IN AN URBANIZING WORLD

FINDING SOLUTIONS FOR CITIES IN AFRICA, ASIA, AND LATIN AMERICA

*Earthscan / James & James * Updated and much expanded edition of the authors' 1992 classic Environmental Problems in Third World Cities * Comprehensive account of the health- and life- threatening environmental conditions in which a growing proportion of the world's people live * Ideal as a textbook and for professionals and interested general readers * 1st edition widely adopted on urban geography, development studies, environmental courses Most of the world's urban population and most of the large and rapidly growing cities are in developing countries. Often poorly governed, their conditions produce millions of preventable deaths and extensive disease. This book describes these cities' environmental problems and how they affect health, local ecosystems and global cycles. It analyzes the causes: the failure of governments to supply clean water and implement existing measures, or land-owning structures that marginalize the poor. It also highlights the innovative ways in which problems are being tackled, showing solutions are available and the action needed by cities, local governments and community organizations.*

PERSPECTIVES FOR BIODIVERSITY AND ECOSYSTEMS

Springer Nature The novelty of the book is a strong focus on perception, perspectives and prediction by scientists with profound insight into the ecology of ecosystems or into human demands and activity. The challenge is to bridge from empirical data and the knowledge of the past to the possibilities of the performance in the future. We assume that there is scope for more cooperation between the fields of ecology and practical philosophy or other social sciences in organising ecosystems and shaping the cultural future of humankind, and that such collaboration should be accorded considerably more priority. This book deals with environmental processes seen within a framework of the nature of ecosystems and human cultures. The future of the environment, the development of ecosystems and effective nature conservation management are the essentials of this book. Human nature and culture, and in particular their interactions, are interpreted as a set of rules and as given. The aim is not only to assess the significance of human influence on species composition and biodiversity but also to weigh up the subsequent potentials for action. In this book we will analyze the problems independently of one another, even if they are interconnected. This book focuses on perspectives and prognoses for the impacts of anthropogenic activity on ecosystems and thus on species conservation. Its goal is to improve assessments of the impacts of human activity on the environment. We are aware that prognoses have very often proven to be false. It is difficult to impossible to be able to predict with precision how evolution and ecosystems will change in future under anthropogenic influence. This strengthens our resolve to attempt to retain the highest possible degree of scientific integrity and professionalism and not to shy away from expressing the uncertainty of our own ideas and prognoses. We venture prognoses in this book and we will fail. However, we hope that we will be wrong on the right side.

SOLUTIONS TO ENVIRONMENTAL PROBLEMS INVOLVING NANOTECHNOLOGY AND ENZYME TECHNOLOGY

Academic Press Nanotechnology and Enzyme Technology Combined to Address Environmental Problems discusses how nanotechnology and enzyme technology work independently and together to help researchers and environmental professionals learn about this revolutionary and cross-disciplinary field. Nanotechnology has provided a range of nanomaterials, some of which are helpful in the protection of the environment and climate. They can be used to improve durability against mechanical stress, help in cleaning, enhance energy efficiency as insulation, save energy consumption during transportation due to catalytic properties, and more. This book highlights this technology as it continues to provide solutions for various environmental problems. Covers air and water pollution remediation in the developing field of combining nanotechnology with enzyme technology Reviews the sustainability potentials of combining nanotechnology and enzyme technology, including energy production Applies current research and utilization to a variety of environmental issues, including pollution and energy production

ENVIRONMENTAL MANAGEMENT

PROBLEMS AND SOLUTIONS

CRC Press There is a growing need to support undergraduate educators in the development of environmental management educational materials. Recognizing this need, the National Science Foundation funded a College Faculty Workshop on Environmental Management, that was conducted at Utah State University in July and August 1996. The principle objectives of the seminar were (1) to provide a meaningful course which would generate new ideas and innovative educational approaches in the emerging field of environmental management, and (2) to develop an applications-oriented problem workbook which would support undergraduate faculty involvement in the production of course materials. The result of this effort is *Environmental Management: Problems and Solutions*, an informative text on the essentials of environmental management. More than 200 structured problems presented in the book are meant to elicit a sound understanding of the basics of environmental monitoring, assessment and control. Detailed solutions to each problem, provided with each chapter, will prove useful to both the student and the instructor. This innovative text is a valuable resource for anyone involved in training of engineers and scientists in the field of environmental engineering.

ENVIRONMENTAL PROBLEMS/BEHAVIORAL SOLUTIONS

Cambridge University Press A 1984 exploration of the relation between physical environment and human behaviour.

ENVIRONMENTAL ISSUES AND SOLUTIONS: A MODULAR APPROACH

Cengage Learning Focused on and organized around environmental issues, this innovative new book helps you critically evaluate possible solutions to the environmental problems we now face. The authors outline specific environmental issues and provide the scientific background to enable you to understand each issue. In order to find and apply solutions to these problems, they help you see that the problems are not insurmountable and that something can be done to achieve a sustainable future. The modular chapters provide full descriptions of each of the major environmental problems with real stories about what people are doing to tackle the resulting challenges. Available with InfoTrac Student Collections <http://gocengage.com/infotrac>. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

ENVIRONMENTAL IMPACT ASSESSMENT

PRACTICAL SOLUTIONS TO RECURRENT PROBLEMS

John Wiley & Sons This book challenges the prevailing assumption that Environmental Impact Assessment (EIA) should be structured around a unitary EIA process. The book begins by identifying, through a scenario, eight recurrent problems in EIA practice. The characteristics of multiple variations of conventional EIA processes, at both the regulatory and applied levels, are then presented. The residual problems that remain after the conventional processes are described and assessed providing the springboard for a description and analysis of eight alternative EIA processes.

LA HAUTE-GARONNE

LAND USE PROBLEMS AND CONFLICTS

CAUSES, CONSEQUENCES AND SOLUTIONS

Routledge The causes, consequences and control of land use change have become topics of enormous importance in contemporary society. Not only is urban land use and sprawl a hot-button issue, but issues of rural land use have also been in the headlines. Policy makers and citizens are starting to realize that many environmental and economic issues have the question of land use at their very core. Comprising papers from a conference sponsored by the Northeast Regional Center for Rural Development, *Land Use Problems and Conflicts* draws together some of the most up-to-date research in this area. Sections are devoted to problems in the United States and Europe, the consequences of such problems, land use-related data and alternative solutions to conflict. With a lineup including some of the best scholarship on this subject to date, this volume will be of use to those studying environmental and land use issues in addition to policy makers and economists.

SPECIAL ISSUE: ENVIRONMENTAL PROBLEMS AND SOLUTIONS IN CHINA

INTRODUCTION TO ENVIRONMENTAL ISSUES

CAUSES, EFFECTS, AND SOLUTIONS

ABOUT THE BOOK In recent years there had been more concern worldwide for environmental issues and there have been increasing efforts to understand the causes of environmental problems and find local and global solutions to these problems. The main purpose of the book, 'Introduction to Environmental Issues; causes, effects and solutions', is to raise the awareness of people to some environmental issues. The awareness of these issues is important at the government and public level, especially for students in the secondary schools, colleges and universities because they are the future stakeholders of the environment. The aim of the book is to present an overview of environmental problems created by human beings in their quest to produce food and make life comfortable - to highlight the effects of these problems on the environment, living organisms and on human beings themselves - to draw attention to the work of individuals, groups and some governments in their effort to solve some of the environmental problems and preserve the physical environment, biodiversity and the world in general for the future generations. The book covers topical issues, such as, Pollution, Acid rain, Desertification, Global Warning, Climate change, Conservation of natural resources and biodiversity, Renewable energy and Sustainable development.

EMBODIED ENVIRONMENTAL RISK IN TECHNICAL COMMUNICATION

PROBLEMS AND SOLUTIONS TOWARD SOCIAL SUSTAINABILITY

ATTW Series in Technical and Professional Communication "This collection calls for improved technical communication for the public through an embodied, situated understanding of risk that promotes social justice. In addition to providing a series of chapters about recent issues on risk communication, this volume offers a diverse look at methodological practices for students, researchers, and practitioners looking to address embodied aspects of crisis and risk that incorporate UX, storytelling, and dynamic text. We include chapters that bring embodiment to the forefront of risk communication, highlighting the cycle of content creation, dissemination, public response and decision making, continuing iterations of educational efforts, and recovery, toward increasing adaptive capacity as a whole. In addition, this work directs necessary attention to overcoming perceptual difficulties, memory lapses, definitional differences, access issues, and pedagogical problems in the communication of risks to diverse publics"--

DANISH ENVIRONMENTAL PROBLEMS AND SOLUTIONS

HEAVY METALS

PROBLEMS AND SOLUTIONS

Springer Science & Business Media "Heavy Metals: Problems and Solutions" is divided into three sections dealing with basic geochemical processes, remediation and case studies. The basic geochemical processes are discussed with respect to mobility in the environment and impact as well as methods to derive guidelines for heavy metals. Remediation focuses on currently available methods to treat contaminated sediments and soils. In addition, it considers the concept of geochemical engineering for remediation of large areas contaminated by metals. A number of case studies of polluted sediments and soils and their environmental impact highlight the principles discussed in the first two sections.

SANDY BEACHES AS ENDANGERED ECOSYSTEMS

ENVIRONMENTAL PROBLEMS, POSSIBLE ASSESSMENT AND MANAGEMENT SOLUTIONS

CRC Press Sandy beaches are the most abundant coastal environments worldwide, which have an undeniable and unique ecological value. Presently, they are amongst the most endangered ecosystems in the biosphere, mainly due to the influence of several human activities. In this book, renowned scientists from around the world describe key attributes of sandy beaches and highlight the problems which impact them. Specific tools encompassing the physical environment and the biota are pointed out, at different levels of ecological organization. The book also covers suitable management, conservation programmes and respective actions, where ecologic, economic and social dimensions are comprehensively integrated.

ENVIRONMENTAL PROBLEMS IN AN URBANIZING WORLD

FINDING SOLUTIONS IN CITIES IN AFRICA, ASIA AND LATIN AMERICA

Routledge New edition of *Environmental Problems in Third World Cities* Cities in Africa, Asia and Latin America contain some of the world's most life- and health-threatening human environments. Environment-related diseases and injuries cause millions of preventable deaths each year. In many squatter settlements, children are 40 to 50 times more likely to die before the age of five than they would be in Europe or North America and most such deaths are environment-related. Many cities also cause serious environmental degradation to their surroundings and increasingly contribute to global warming. This updated and much expanded edition of the classic *Environmental Problems in Third World Cities* describes environmental problems and their effect on human health, local ecosystems and global cycles. It points to the political causes that underpin many of these problems - including ineffective, unaccountable governments, and aid agencies' reluctance to work with the urban poor. It also highlights innovative solutions such as: * High-quality, low-cost homes and neighbourhoods developed by urban poor groups working with local non-governmental organizations * Local Agenda 21s developed by municipal governments in partnership with community organizations.* In their analysis, the authors show that cities can meet sustainable development goals. There are practical, affordable solutions to their environmental problems, but most of these depend on more competent and accountable city governments and on more support for low-income households and their organizations. The book also outlines the changes needed international aid agencies to support this. PRAISE FOR THE FIRST EDITION 'It's rare to encounter a work as authoritative and accessible as this. It is a mine of useful information from cities in every corner of the Third World, which does not shy away from the immensity of the problems, but says as much about the solutions to them as about the problems themselves' Jonathon Porritt 'Well written and very accessible' The Geographical Journal 'Of value to students, teachers, practitioners, policy makers and aid agencies' Third World Planning Review 'A valuable resource for understanding the underlying problems[this book offers] practical alternatives' Cities International.

ENVIRONMENTAL MANAGEMENT

ISSUES AND SOLUTIONS

Wiley-Blackwell Examining the foundations and policies of sustainable development, the contributors to this volume describe the principles and processes of ecosystems and the basic environmental management tools, including funding possibilities, particularly in developing countries.

SOLUTIONS FOR CLIMATE CHANGE CHALLENGES IN THE BUILT ENVIRONMENT

John Wiley & Sons The multi-disciplinary perspective provided here offers a strategic view on built environment issues and improve understanding of how built environment activities potentially induce global warming and climate change. It also highlights solutions to these challenges. *Solutions to Climate change Challenges in the Built Environment* helps develop an appreciation of the diverse themes of the climate change debate across the built environment continuum. A wide perspective is provided through contributions from physical, environmental, social, economic and political scientists. This strategic view on built environment issues will be useful to researchers as well as policy experts and construction practitioners wanting a holistic view. This book clarifies complex issues around climate change and follows five main themes: climate change experiences; urban landscape development; urban management issues; measurement of impact; and the future. Chapters are written by eminent specialists from both academic and professional backgrounds. The main context for chapters is the developed world but the discussion is widened to incorporate regional issues. The book will be valuable to researchers and students in all the built environment disciplines, as well as to practitioners involved with the design, construction and maintenance of buildings, and government organisations developing and implementing climate change policy.

UNDERSTANDING AND SOLVING ENVIRONMENTAL PROBLEMS IN THE 21ST CENTURY

TOWARD A NEW, INTEGRATED HARD PROBLEM SCIENCE

Elsevier The aim of this book is to encourage integration of the natural and social sciences with the policy and design-making community, and thereby develop a deeper understanding of complex environmental problems. Its fundamental themes are: • integrated modeling and assessment • complex, adaptive, hierarchical systems • ecosystem services • science and decision-making • ecosystem health and human health • quality of life and the distribution of wealth and resources. This book will act as a state of the art assessment of integrated environmental science and its relation to real world problem solving. It is aimed not only at the academic community, but also as a sourcebook for managers, policy makers, and the informed public. It deals both with the state of the science and the level of consensus among scientists on key environmental issues. The concepts underlying this book were developed at the 2nd EcoSummit workshop held in Halifax, Nova Scotia, June, 2000, with active participation from all delegates, and attempts to present their collective view.

DRAWDOWN

THE MOST COMPREHENSIVE PLAN EVER PROPOSED TO REVERSE GLOBAL WARMING

Penguin UK NEW YORK TIMES BESTSELLER For the first time ever, an international coalition of leading researchers, scientists and policymakers has come together to offer a set of realistic and bold solutions to climate change. All of the techniques described here - some well-known, some you may have never heard of - are economically viable, and communities throughout the world are already enacting them. From revolutionizing how we produce and consume food to educating girls in lower-income countries, these are all solutions which, if deployed collectively on a global scale over the next thirty years, could not just slow the earth's warming, but reach

drawdown: the point when greenhouse gasses in the atmosphere peak and begin to decline. So what are we waiting for?

ENVIRONMENTAL REALISM

CHALLENGING SOLUTIONS

Springer This interdisciplinary book challenges current approaches to “environmental problems” that perpetuate flawed but deeply embedded cultural beliefs about the role of science and technology in society. The authors elucidate and interrogate a cultural history of solutionism that typifies expectations that science can, should, and will reduce risk to people and property by containing and controlling biophysical phenomena. Using historical analysis, eco-evolutionary principles, and case studies on floods, radioactive waste, and epidemics, the authors show that perceived solutions to “environmental problems” generate new problems, leading to problem-solution cycles of increasing scope and complexity. The authors encourage readers to challenge the ideology of solutionism by considering the potential of language, social action and new paradigms of sustainability to shape management systems. This book will appeal to scholars in multi- and interdisciplinary fields such as Environment Studies, Environmental Science, Environmental Policy, and Science, Technology, and Society Studies.

SUSTAINABLE SOLUTIONS FOR ENVIRONMENTAL POLLUTION, VOLUME 1

WASTE MANAGEMENT AND VALUE-ADDED PRODUCTS

John Wiley & Sons Environmental pollution is one of the biggest problems facing our world today, in every country, region, and even down to local landfills. Not just solving these problems, but turning waste into products, even products that can make money, is a huge game-changer in the world of environmental engineering. Finding ways to make fuel and other products from solid waste, setting a course for the production of future biorefineries, and creating a clean process for generating fuel and other products are just a few of the topics covered in the groundbreaking new first volume in the two-volume set, *Sustainable Solutions for Environmental Pollution*. The valorization of waste, including the creation of biofuels, turning waste cooking oil into green chemicals, providing sustainable solutions for landfills, and many other topics are also covered in this extensive treatment on the state of the art of this area in environmental engineering. This groundbreaking new volume in this forward-thinking set is the most comprehensive coverage of all of these issues, laying out the latest advances and addressing the most serious current concerns in environmental pollution. Whether for the veteran engineer or the student, this is a must-have for any library.

ENVIRONMENTAL PROBLEMS AND SOLUTIONS IN AFRICA

GENERAL SOLUTIONS FOR ENVIRONMENTAL PROBLEMS IN AFRICA

LAP Lambert Academic Publishing Environmental problems are one of the main challenges on the African continent in the 21st century. Focus is gradually shifting from politics, wars, HIV- Aids, and poverty to environmental issues. Africa has contributed less than any other region to greenhouse gas emissions that are widely held responsible for global warming, but the continent is also the most vulnerable to the consequences. Environmental challenges are aggravated by population growth in Africa, at approximately 2.2% annually; sub-Saharan Africa has one of the world's fastest growing populations. By the year 2025 the population of Africa is estimated to be over a billion. This means that environmental problems could double or triple. Like increased populations, poverty, another major problem on the African continent, also leads to a greater exploitation of natural resources for survival, and this worsens the environmental problems with the degradation of agriculture and arable lands, and mismanagement of available water resources. The socioeconomic impact of environmental deterioration on Africa continues to pose a major problem to development, sustainability and health.

ENVIRONMENTAL GUIDE

"AN INTRODUCTION TO PROBLEMS AND SOLUTIONS"

ENVIRONMENTALLY-BENIGN ENERGY SOLUTIONS

Springer Nature This book provides high-quality research results and proposes future priorities for more sustainable development and energy security. It covers a broad range of topics on atmospheric changes, climate change impacts, climate change modeling and simulations, energy and environment policies, energy resources and conversion technologies, renewables, emission reduction and abatement, waste management, ecosystems and biodiversity, and sustainable development. Gathering selected papers from the 7th Global Conference on Global Warming (GCGW2018), held in Izmir, Turkey on June 24–28, 2018, it: Offers comprehensive coverage of the development of systems taking into account climate change, renewables, waste management, chemical aspects, energy and environmental issues, along with recent developments and cutting-edge information. Highlights recent advances in the area of energy and environment, and the debate on and shaping of future directions and priorities for a better environment, sustainable development and energy security. Provides a number of practical applications and case studies. Is written in an easy-to-follow style, moving from the basics to advanced systems. Given its scope, the book offers a valuable resource for readers in academia and industry alike, and can be used at the graduate level or as a reference text for professors, researchers and engineers.

SPATIAL MODELING AND ASSESSMENT OF ENVIRONMENTAL CONTAMINANTS

RISK ASSESSMENT AND REMEDIATION

Springer Nature This book demonstrates the measurement, monitoring and mapping of environmental contaminants in soil & sediment, surface & groundwater and atmosphere. This book explores state-of-art techniques based on methodological and modeling

in modern geospatial techniques specifically focusing on the recent trends in data mining techniques and robust modeling. It also presents modifications of and improvements to existing control technologies for remediation of environmental contaminants. In addition, it includes three separate sections on contaminants, risk assessment and remediation of different existing and emerging pollutants. It covers major topics such as: Radioactive Wastes, Solid and Hazardous Wastes, Heavy Metal Contaminants, Arsenic Contaminants, Microplastic Pollution, Microbiology of Soil and Sediments, Soil Salinity and Sodicity, Aquatic Ecotoxicity Assessment, Fluoride Contamination, Hydrochemistry, Geochemistry, Indoor Pollution and Human Health aspects. The content of this book will be of interest to researchers, professionals, and policymakers whose work involves environmental contaminants and related solutions.

ECONOMIC APPROACHES TO ENVIRONMENTAL PROBLEMS

TECHNIQUES AND RESULTS OF EMPIRICAL ANALYSIS

Elsevier Fundamental Aspects of Pollution Control and Environmental Science, 3: Economic Approaches to Environmental Problems: Techniques and Results of Empirical Analysis focuses on the application of economic approaches in the management and control of environmental problems. The book first offers information on the relationship of economics and the environment and environmental pollution and external effects. Discussions focus on concepts of the environment, environmental services, need for assessment methods, health effects of air pollution, and annoyance and other health effects due to aircraft noise. The text also examines the homogeneous pollution approach and monetary damage functions. The publication takes a look at project evaluation and environmental deterioration and general-equilibrium assessment models. Topics include linear programming models, aggregation of flows of costs and benefits through time, projects, effects, and aggregation, and illustrations of cost benefit. The selection is a dependable reference for readers interested in the economic approaches to environmental problems.

ADDRESSING ENVIRONMENTAL CHALLENGES THROUGH SPATIAL PLANNING

IGI Global Urbanization is giving rise to environmental concerns including urban flooding, which generally occurs due to the construction of houses in the low-lying areas; loss of green cover leading to a disturbance in the ecological cycle; water scarcity due to growing needs; and deforestation leading to habitat fragmentation, wildlife corridors disturbance, forest fires, and climate change. In order to correct these issues, a consolidated balance between human, nature, and spatial aspects must be resolved and spatial solutions integrated on a common platform. Addressing Environmental Challenges Through Spatial Planning is devoted to addressing environmental concerns and technology innovations in domains such as pollution, water insecurity, and resources management. This text works to bridge the gap between engineering considerations and spatial aspects of planning. Covering topics such as sustainable housing, environmental restoration, and air emissions, this text is essential for environmental engineers, planning researchers, faculty, environmental and civil administrators, architects, consultants, environmental activists, town and country planning organizations, and professionals in all industries who aspire to have an environmentally friendly atmosphere and to provide a sustainable way of dealing with the environment in their respective domains for process efficiency and cost optimization.

ETHICS AND GLOBAL CLIMATE CHANGE

Wiley-Blackwell

DETERMINATION OF POLITICALLY FEASIBLE SOLUTIONS TO INTERNATIONAL ENVIRONMENTAL PROBLEMS

ENVIRONMENTAL PROBLEMS AND SOLUTIONS ASSOCIATED WITH THE DEVELOPMENT OF THE WORLD'S LARGEST LEAD MINING DISTRICT

WHY NOISE MATTERS

A WORLDWIDE PERSPECTIVE ON THE PROBLEMS, POLICIES AND SOLUTIONS

Routledge Is noise the most neglected green issue of our age? This book argues compellingly that it is, and tells you all you need to know about noise as a social, cultural, environmental and health issue. Across the world, more people are disturbed by noise in their day-to-day lives than by any other pollutant on Earth. From the shanty towns of Mumbai to the smart boulevards of Paris, noise is a problem. It is damaging people's health, costing billions, and threatening the world's natural sound systems in the same way that climate change is altering its eco-systems. Drawing on evidence from all over the world, this book showcases policies and strategies that have worked to decrease noise pollution, and offers lessons for policymakers and environmental health professionals, campaigners and any individual affected by noise. Written by a renowned noise campaigner and experts in law and health, this book tells you all you need to know about noise as a social, cultural and environmental issue and how we can act to build a more peaceful world.

PLASTIC WASTE AND RECYCLING

ENVIRONMENTAL IMPACT, SOCIETAL ISSUES, PREVENTION, AND SOLUTIONS

Academic Press Plastic Waste and Recycling: Environmental Impact, Societal Issues, Prevention, and Solutions begins with an introduction to the different types of plastic materials, their uses, and the concepts of reduce, reuse and recycle before examining plastic types, chemistry and degradation patterns that are organized by non-degradable plastic, degradable and biodegradable plastics, biopolymers and bioplastics. Other sections cover current challenges relating to plastic waste, explain the sources of waste and their routes into the environment, and provide systematic coverage of plastic waste treatment methods, including mechanical processing, monomerization, blast furnace feedstocks, gasification, thermal recycling, and conversion to fuel. This is an essential guide for anyone involved in plastic waste or recycling, including researchers and advanced students across plastics engineering,

polymer science, polymer chemistry, environmental science, and sustainable materials.

ENVIRONMENTAL GUIDE

AN INTRODUCTION TO PROBLEMS AND SOLUTIONS

GLOBAL ENVIRONMENTAL ASSESSMENTS

INFORMATION AND INFLUENCE

MIT Press A comparative analysis of global environmental assessments shows the importance of policy salience, scientific credibility, and social and political legitimacy in determining the influence of scientific assessments on global environmental policy.

GLOBAL ENVIRONMENTAL CHALLENGES OF THE TWENTY-FIRST CENTURY

RESOURCES, CONSUMPTION, AND SUSTAINABLE SOLUTIONS

Rowman & Littlefield The most serious environmental problems of the twenty-first century have the potential to alter the course of life on this planet. Global warming, toxic waste, water and air pollution, acid rain, and shrinking energy supplies are frightening challenges that may threaten our future if we do not face up to them. Global Environmental Challenges provides important information and gives us hope about the environment. This book first helps us to grasp these difficulties, then shows us the choices we can make. How long to leave a light on, whether to take the car, the train, or bicycle to work, whether to recycle or throw away, whether to vote to curb continued suburban sprawl—all of these decisions can make a difference. This collection of some of the best essays and articles on the environment comes from a variety of sources, including journals, magazines, websites of ecological/conservation organizations, and other publications. Five major sections investigate the interaction of population growth, consumption, and environment; the emerging crisis in freshwater around the globe; global climate and atmosphere (including global warming); biodiversity loss; and the concept of sustainable development—using natural resources to place future human development on a sustainable path. The final section on sustainable development reveals how we can take action. As individuals, we can make a difference readily and easily without making huge personal sacrifices. As societies, we can work together in a global community of interest to sustain the earth. This valuable resource offers readers a better understanding of our environmental problems and presents solutions to improving the health of the planet.

FINDING SOLUTIONS FOR ENVIRONMENTAL CONFLICTS

POWER AND NEGOTIATION

Edward Elgar Publishing Environmental conflicts over sustainability, EIA, biodiversity, biotechnology and risk, chemicals and public health, are not necessarily legalistic problems but land use problems. Edward Christie shows how solutions for these conflicts can be found via consensual agreement using an approach that integrates law, science and alternative dispute resolution (ADR). This book assesses the key unifying principles of environmental and administrative law in Australia, the UK/EU and USA, together with accepted scientific concepts of environmental management and protection. By doing so it provides a cross-disciplinary approach to collaborative problem-solving and decision-making, using ADR processes to resolve environmental conflicts and will be valuable to any environmental professional. This book has been written to meet the requirements of any environmental professional - lawyer, scientist, engineer, planner - who directly, or indirectly, may be involved in development or planning conflicts when the environment is in issue. For the lawyer, this book, with its focus on understanding and integrating unifying legal principles and scientific concepts, consolidates opportunities for assessing and resolving environmental conflicts by negotiation. For the environmental professional, the book provides opportunities for managing environmental conflicts. In addition, opportunities are identified for resolving environmental conflicts by negotiation, but in quite specific situations i.e. when the interpretation and application of questions of law are not in issue and only factual (scientific) issues are in dispute. It will also of course strongly appeal to academics and researchers of environmental studies and environmental law. It will also appeal to the indigenous community and environmental groups who are seeking more direct and effective inputs into resolving environmental conflicts.