

Introduction To Environmental Impact Assessment To Principles And Practice

Offers a comprehensive coverage of the methods used in environmental impact assessment, which is now firmly established as an obligatory procedure in proposing or launching any development project with possible impacts on the environment.

Brian D. Clark PADC Environmental Impact Assessment and Planning Unit Project Director Events throughout the world substantiate the view that planning and decision-making systems need a better integration of environmental, economic and social considerations. Many organizations are showing considerable interest in Environmental Impact Assessment (EIA) and its role in project planning and policy evaluation and as an aid to decision-making. Consequently, it was decided to hold a NATO Advanced Study Institute on EIA for the following reasons. First there is evidence of uncertainty, particularly amongst many scientists and decision-makers, as to the nature, scope and objectives of EIA. Secondly, there is much confusion over the objectives and utility of certain EIA methods. Third, there appears to be a gulf developing between decision-makers and what they require from EIA, and the ability of the scientist to provide information which is scientifically rigorous. Finally, there appears to be little concern as to the relationship between "impact prediction" and the actual consequences via development activity, suggesting that if EIA is not to become both politically and scientifically disreput able greater emphasis should be placed on prediction, monitoring and post-audit studies. As will be seen from the contents of this volume the ASI attempted to address all of the above topics and indeed many more. It was perhaps inevitable that the ASI raised more questions than were answered but this is indicative of the vigorous debate that is now taking place about the role and utility of EIA.

First published in 1991. Japanese attitudes to pollution and environmental protection were distinctly equivocal. The Japanese are a nature-loving people, yet they are responsible for widespread environmental destruction; Japan has some of the world's strictest environmental quality standards, but the country also has some of the world's most environmentally damaged areas. In this book the authors present a broad and detailed analysis of policy and process in Japan in the late twentieth century. Brendan Barrett and Riki Therivel, who both have extensive research experience in Japan, describe interlisted group participation in Japan's environmental policy-making and give an historical review of the relationship between economic growth and environmental problems. They look at the framework for environmental policy-making and outline the system for environmental management. This is complemented by a discussion of Environmental Impact Assessment, and by live case studies of the practical realities of EIA in Japan. With environmental problems reaching global proportions, countries all over the world have much to learn from the experience of Japan, and the book will be extremely useful to national government officials, to local planning officers responsible for EIA, and to environmental consultants working for commercial and industrial companies. It will also be essential reading for students of geography, environmental studies, Japanese studies and planning economics.

Environmental and Social Impact Assessment (ESIA) is an important and often obligatory part of proposing or launching any development project. Delivering a successful ESIA needs not only an understanding of the theory but also a detailed knowledge of the methods for carrying out the processes required. Riki Therivel and Graham Wood bring together the latest advice on best practice from experienced practitioners to ensure an ESIA is carried out effectively and efficiently. This new edition: • explains how an ESIA works and how it should be carried out • demonstrates the links between socio-economic, cultural, environmental and ecological systems and assessments • incorporates the World Bank's IFC performance standards, and best practice examples from developing as well as developed countries • includes new chapters on emerging ESIA topics such as climate change, ecosystem services, cultural impacts, resource efficiency, land acquisition and involuntary resettlement. Invaluable to undergraduate and MSc students of ESIA on planning, ecology, geography and environment courses, this internationally oriented fourth edition of Methods of Environmental and Social Impact Assessment is also of great use to planners, ESIA practitioners and professionals seeking to update their skills.

Standards and Thresholds play an important role in many stages of the Environmental Impact Assessment (EIA) process. They can be legally binding or guidance values and are linked to environmental data. This book provides a comprehensive collection of standards and thresholds, with their derivation and application in case studies of EIA projects. The text introduces key drivers of standards, their effect on environment and health, emerging issues and more.

Since the 1980s, and especially since the Rio Earth Summit in 1992, there has been a substantial extension in the adoption and use of Environmental Assessment (EA) procedures in developing countriesand countries in transition (low and middle income countries).However, few existing texts in environmental assessment ordevelopment studies have reflected this trend sufficiently, untilthis publication. Divided into two main parts: * EA Principles, Processes and Practice. * Country and Institutional Studies of EA Procedures and Practice. This book explains the essentials of environmental impactassessment in the context of developing countries and assesses itsimportance to both developed and developing countries.

Environmental Impact Assessment (EIA) is a fast-growing field of land-use planning affecting many disciplines. At present, UK Government legislation requires EIA for certain types of development. Subject to a further new European directive, an EIA will be required for all policies, plans and programmes. Planning and Environmental Impact Assessment in Practice provides a practical introduction to the subject and relates the theory to the practice through extensive use of case studies. Edited by Joe Weston, the book draws on contributions from a number of practising experts in the field and covers topics such as: assessing the need for EIA; the environmental team: scoping and public participation; internal and external consultation; local lobbying; local authority review and decision-making; public enquiries; monitoring the impacts; pollution control; and the lessons to be learned. Planning and Environmental Impact Assessment in Practice provides a practical introduction to EIA for final year undergraduate and postgraduate MSc courses in planning, geography, civil engineering, building and estate management, and development.

This book examines the crucial role of EIA in government decision-making in Europe, the Nordic countries, North America, Asia and the Pacific.

[Environmental and Health Impact Assessment of Developing Projects](#)

[Solid Waste Landfilling](#)

[Quantifying Environmental Impact Assessments Using Fuzzy Logic](#)

[Handbook of Strategic Environmental Assessment](#)

[Theory and Practice](#)

[Introduction To Environmental Impact Assessment](#)

[Environmental Assessment in Developing and Transitional Countries](#)

[Environmental Policy and Impact Assessment in Japan](#)

[Methods of Environmental and Social Impact Assessment](#)

[Cutting Edge for the 21st Century](#)

A clearly structured overview of a key subject, this work provides the student with not only a complete introductory text but also a book to support further studies. Written by three authors with extensive research and practical experience in Environmental Impact Assessment (EIA), the treatment is up to date and brings together currently fragmented information from many sources. EIA is now firmly on the agenda as a result of the introduction of legislation at both national and international levels, and is very much in tune with widespread and growing concern about environmental issues and the impact of development on the environment. First introduced in the USA in the 1970s, the application of EIA has been accelerated in Europe by the 1985 EC directive, which led to its introduction in the UK in 1988, since when it has been a major growth area in planning practice. The originally anticipated 20 environmental impact statements per annum have now grown to well over 300, for projects such as power stations, roads, new settlements, mineral extraction schemes, waste-disposal installations and tourism developments, and this is but the tip of the iceberg. Based on highly successful courses at one of the leading schools of planning, this book should serve the need for an introduction to EIA that goes beyond first principles and is informed by a wealth of teaching, research and practical experience. Students on undergraduate and postgraduate planning programmes should find it useful as a course text, as will students of environmental management/policy, environmental sciences/studies, geography and the built environment. Planners, developers and decision makers in government and business should also welcome the book as a very effective means of getting to grips with a key new subject which they must fully integrate with their other activities.

Environmental Impact Assessment (EIA) is a well-established instrument of Environmental Law and policy that aims to ensure that potential adverse environmental effects of human activities are assessed before decisions on such activities are made. The instrument is increasingly being applied in respect of activities that may cause environmental effects across the borders of a state. In this book, thirteen systems of Transboundary Environmental Impact Assessment (TEIA) are assessed that exist or are in development in different parts of the world. Although TEIA is generally associated with EIA between territorial states, this book takes a broader approach and is divided into three sub-parts: Transboundary EIA between states, EIA for activities in international and shared areas, and EIA required by international financial institutions. Knowledgeable experts (scholars and practitioners) provide an overview of the history, content, and practice of the individual systems and, based on these discussions, the state of the art concerning TEIA and possible future developments are discussed.

The environmental impact of development projects is currently studied and mitigated from two distinct perspectives: before and after project implementation, with environmental impact assessment (EIA) and environmental management systems (EMS) being the main instruments on the respective sides. This double perspective creates a discontinuity in the way environmental impacts are analysed, an issue that has been noted by both academics and practitioners. This book gathers and presents both theoretical and actual examples to link EIA with EMS and explores ways to overcome difficulties and provide innovative solutions. Academic researchers, advanced students, EIA practitioners and EMS practitioners will find the book essential for the theoretical explorations of how the link might occur and practical examples in which to explore and critique these theories.

It will be useful for project managers as well as students and the community sector."--BOOK JACKET

Under the best of circumstances, preparing an environmental impact assessment (EIA) can be a complex and challenging task. Experience indicates that the scope and quality of such analyses varies widely throughout the U.S. as well as internationally. Written to help practitioners and decision-makers apply best professional practices in the development of EIAs, Environmental Impact Assessment: A Guide to Best Professional Practices provides an in depth, yet practical direction for developing a defensible analysis that meets best professional practices. The book describes preparation of five distinct types of assessments: Cumulative Impact Assessment (CIA) Preparing Greenhouse Emission Assessments Preparing Risk Assessments and Accident Analyses Social Impact Assessment (SIA) and Environmental Justice The International Environmental Impact Assessment Process Guiding Principles To date, there is significant variation and disagreement about how such analyses should be prepared. The author introduces best professional practices (BPP) for preparing such EIAs that is intended to meet decision-making and regulatory expectations. He supplies a comprehensive and balanced skill set of tools, techniques, concepts, principles, and practices for preparing these assessments. He also includes directions for developing a comprehensive Environmental Management Systems which can be used to monitor and implement final decisions for such analyses. While the book references the U.S. National Environmental Policy Act (NEPA), most of this guidance is generally applicable to any international EIA process consistent with NEPA. With thorough coverage of all aspects of assessments, the book presents a theoretical introduction to the subject as well as practical guidance. It delivers state-of-the-art tools, techniques, and approaches for resolving EIA problems.

This book charts the history of the application of science in environmental impact assessment (EIA) and provides a conceptual and technical overview of scientific developments associated with EIA since its inception in the early 1970s. The Application of Science in Environmental Impact Assessment begins by defining an appropriate role for science in EIA. From here it goes on to reflect more closely on empirical and deductive biophysical sciences as they relate to well-known stages of the generic EIA process and explores whether scientific theory and practice are at their vanguard in EIA and related applications. Throughout the book the authors reflect on biophysical science as it applies to stages of the EIA process and also consider debates surrounding the role of science as it relates to political and administrative dimensions of EIA. Based on this review, the book concludes that improvements to the quality of science in EIA will rely on the adoption of stronger participatory and collaborative working arrangements. Covering key topics including foundational scientific guidance materials; frameworks for implementing science amid conflict and uncertainty; and emerging ecological concepts, this book will be of great interest to students, scholars and practitioners of EIA.

Environmental Impact Assessment: Theory and Practice describes the various pieces of knowledge necessary to speak the language of EIA and carry out EIAs focusing on a variety of environmental issues, including impacts on environmental components, like air, water, soils, land, noise and biological environments. Organized into 15 chapters, the book provides engineers with the tools and methods to conduct an effective assessment, including report preparations, design measures and relevant mitigation steps that can be taken to reduce or avoid negative effects. Case Studies are presented, providing guidance professionals can use to better understand, plan and prepare environmental impact assessments. Presents detailed methodologies for air pollution control, waste treatment schemes, phytoremediation, bioremediation, hazardous waste, green belt development and rainwater harvesting Highlights concepts and important definitions of EIA and the planning and management of EIA study Discusses the impacts on valued environmental components, like air, water, soils, land, noise, and biological and socioeconomic environments in a systematic manner

A comprehensive, clearly structured and readable overview of the subject, Introduction to Environmental Impact Assessment has established itself as the leading introduction to EIA worldwide. This fifth edition is a major update reflecting many significant changes in EIA procedures, process, practice and prospects over the last decade. In particular, it includes: a much more international dimension, drawing on EIA activities worldwide; an up-to-date coverage of the revised EU EIA Directive and its implementation; the associated update of contemporary UK procedures and practice; best practice on evolving methods in the EIA process; a rich array of UK and many international case studies; a new coverage of emerging EIA impact topics, including equality/deprivation; culture; resettlement; climate change; ecosystem services; and risk, resilience and cumulative impacts; an appraisal of some next steps in the EIA process, including a more effective and proportionate EIA; the impact of technological change; the changing interpretation of the project; project implementation, monitoring and adaptive management; and moves towards a more integrated impact assessment. Together, these topics act as a kind of action list for future EIA; the development of SEA legislation and practice in the UK, EU and worldwide; and a set of appendices containing key legislation and an EIS review framework. It is also makes full use of colour illustrations and chapter questions for discussion. Written by two authors with extensive research, training and consultancy experience of EIA, this book brings together the most up-to-date information from many sources. Introduction to Environmental Impact Assessment 5th Edition provides a complete, and critical, introductory text that also supports further studies. Students in undergraduate and postgraduate planning programmes will find it essential as a course text, as will students of environmental management/policy, environmental sciences/studies, geography and built environment. Key stakeholders involved in assessment activities - planners, developers, community groups, pressure groups and decision-makers in government and business - will also welcome this latest edition as a very effective means of getting to grips with the many facets of this important and evolving subject that affects a widening range of development projects.

[Waitutu State Forest roading proposal](#)

[Living in the Environment](#)

[Environmental Impact Assessment \(EIA\) in the Arctic](#)

[A Practical Guide for Planners, Developers and Communities](#)

[Handbook of Environmental Impact Assessment](#)

[Theory and Practice of Transboundary Environmental Impact Assessment](#)

[An Introduction](#)

[A Comparative Review](#)

[Standards and Thresholds for Impact Assessment](#)

[Methods of Environmental Impact Assessment](#)

This new introduction to impact assessment examines the tools and approaches which try to ensure that the process of development follows the best possible course. Presupposing no prior knowledge of the subject it considers the concepts, methods and practice of impact assessment, and outlines its capabilities, characteristics and limitations. The book includes coverage of both environmental and social impact assessment and emphasizes the importance of their use in advance of the decision-making process. An extensive bibliography, suggestions for further reading, and a glossary of terms are also provided. Barrow's accessible new text is essential reading for those approaching the subject for the first time, whether from a science or a social science background.

Provides a thorough analysis of the operation of the Environmental Impact Assessment System in Australia. Solidly grounded in theory, the book discusses fundamental questions such as, What is an EIA? What is its role? How does it relate to other assessment procedures? Also examines how EIA is undertaken.

Fuzzy logic enables people preparing environmental impact statements to quantify complex environmental, economic and social conditions. This reduces the time and cost of assessments, while producing justifiable results.

Solid Waste Landfilling: Concepts, Processes, Technology provides information on technologies that promote stabilization and minimize environmental impacts in landfills. As the main challenges in waste management are the reduction and proper treatment of waste and the appropriate use of waste streams, the book satisfies the needs of a modern landfill, covering waste pre-treatment, in situ treatment, long-term behavior, closure, aftercare,

environmental sustainability. It is written for practitioners who need specific information on landfill construction and operation, but is also ideal for those concerned about the possible return of these sites to landscapes and their subsequent uses for future generations. Includes input by international contributors from a vast number of disciplines Provides worldwide approaches and technologies Showcases the interdisciplinary nature of the topic Focuses on sustainability, covering the lifecycle of landfills under the concept of minimizing environmental impact Presents knowledge of the legal framework and economic aspects of landfilling

Life cycle assessment (LCA) of production and processing in the food industry is an important tool for improving sustainability. Environmental assessment and management in the food industry reviews the advantages, challenges and different applications of LCA and related methods for environmental assessment, as well as key aspects of environmental management in this industry sector. Part one discusses the environmental impact of food production and processing, addressing issues such as nutrient management and water efficiency in agriculture. Chapters in Part two cover LCA methodology and challenges, with chapters focusing on different food industry sectors such as crop production, livestock and aquaculture. Part three addresses the applications of LCA and related approaches in the food industry, with chapters covering combining LCA with economic tools, ecodesign of food products and footprinting methods of assessment, among other topics. The final part of the book concentrates on environmental management in the food industry, including contributions on training, eco-labelling and establishing management systems. With its international team of editors and contributors, Environmental assessment and management in the food industry is an essential reference for anyone involved in environmental management in the food industry, and for those with an academic interest in sustainable food production. Reviews the advantages, challenges and different applications of LCA and related methods for environmental assessment Discusses the environmental impact of food production and processing, addressing issues such as nutrient management and water efficiency in agriculture Examines environmental management in the food industry, including contributions on training, eco-labelling and establishing management systems

This comprehensive treatment of environmental impact assessment (EIA) provides an authoritative contemporary review of theory and practice over the past ten years. EIA is viewed as both science and art, reflecting the concern both with technical aspects of appraisal and the effects of EIA on the decision-making process. Adopted in many countries, with different degrees of enthusiasm, since its inception in the early 1970's, EIA is established as a major procedure for assessing the environmental implications of legislation, the implementation of policy and plans and the initiation of development projects. EIA is increasingly an essential part of environmental management

Environmental Impact Assessment for Developing Countries is based on selected papers presented at the 1991 International Conference on Environment Impact Assessment, held at New Delhi, India. This work is organized into four parts encompassing 18 chapters. Part I provides an overview and general considerations of balance environmental impact assessment (EIA), with particular emphasis in the developing countries in Asia. Part II highlights various EIA performed in different industry, including chemical plants, coal mining, thermal and power plant, and solid waste disposal. This part also describes the simulation modelling in EIA. Part III discusses the national experiences in EIA. This part elaborates on EIA of development projects in Netherlands, Sweden, Philippines, Tanzania, Canada, India, and United Kingdom. Part IV provides a summary and recommendations. This book will prove useful to environmental and research scientists.

This practical guide on how to carry out strategic environmental assessment (SEA) presents a coherent 'how to do it' approach for the practitioner. It is the first publication to take account of the requirements of the European Union Directive 2001/42/EC - known as the 'SEA Directive' - and the UNECE Protocol on SEA. Part I provides an overview of the aims, principles, advantages and problems of SEA as well as looking at the SEA Directive and its requirements. Part II examines the SEA process in considerable detail including setting the context, describing the baseline, identifying alternatives, predicting and evaluating impacts and using the SEA information in monitoring and decision-making. Part III is devoted to assuring SEA quality with a discussion of resources and capacity building. Employing real-life case studies, each chapter presents a range of techniques and discusses what the final product should look like. Appendices provide a wealth of additional information including text of the SEA Directive and the UNECE Protocol on SEA, and a 'toolkit' of SEA techniques. The approach and techniques in Strategic Environmental Assessment in Action are useful for anyone carrying out SEA at any level from policy to programme, international to local, but particularly for practitioners responsible for implementing the SEA Directive.

[Environmental and Social Impact Assessment](#)

[Principles, Methods and Practice](#)

[Introduction To Environmental Impact Assessment](#)

[Environmental Assessment and Management in The Food Industry](#)

[A Guide to Best Professional Practices](#)

[Life Cycle Assessment and Related Approaches](#)

[Practice and Participation](#)

[Theories And Techniques](#)

[Environmental Impact Assessment](#)

[Concepts, Processes, Technology](#)

Inspiring people to care about the planet. In the new edition of LIVING IN THE ENVIRONMENT, authors Tyler Miller and Scott Spoolman have partnered with the National Geographic Society to develop a text designed to equip students with the inspiration and knowledge they need to make a difference solving today's environmental issues. Exclusive content highlights important work of National Geographic Explorers, and features over 200 new photos, maps, and illustrations that bring course concepts to life. Using sustainability as the integrating theme, LIVING IN THE ENVIRONMENT 18e, provides clear introductions to the multiple environmental problems that we face and balanced discussions to evaluate potential solutions. In addition to the integration of new and engaging National Geographic content, every chapter has been thoroughly updated and 18 new Core Case Studies offer current examples of present environmental problems and scenarios for potential solutions. The concept-centered approach used in the text transforms complex environmental topics and issues into key concepts that students will understand and remember. Overall, by framing the concepts with goals for more sustainable lifestyles and human communities, students see how promising the future can be and their important role in shaping it. offers additional exclusive National Geographic content, including high-quality videos on important environmental problems and efforts being made to address them. Team up with Miller/Spoolman's, LIVING IN THE ENVIRONMENT and the National Geographic Society to offer your students the most inspiring introduction to environmental science available! Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Environmental Impact Assessment (EIA) is a significant, anticipatory, environmental management tool. International debate focuses on its enhancement to meet the challenges of sustainable development as well as demands for scientifically robust integrated and participative decision-making. This handbook hopes to improve practices by contributing an international, multidisciplinary, ready-reference source to this debate. Volume I addresses EIA principles, process and methods. Part 1 maps the EIA process and its impact on decision. It positions EIA in the context of sustainable development and relative to other decision tools, including economic valuation. It also positions strategic environmental assessment (SEA) in a similar way. Part 2 addresses the elements of the EIA process and significant impact assessment topics (air, water, ecological, social, risk, landscape and visual) not only in terms of good practice but also methodological evolution. This volume concludes by addressing cumulative impact assessment and SEA methods. Volume II provides a unique consideration for EIA implementation and practice in Europe, Africa, the Far East, South America and North America. It uses a number of project types to provide 'how to do' guidance and addresses practice in policy and plan assessment. This book should be read by legislators, decision-makers, economists, developers, industrial managers and consultants involved in this significant field.

Elgar Advanced Introductions are stimulating and thoughtful introductions to major fields in the social sciences and law, expertly written by the world's leading scholars. Designed to be accessible yet rigorous, they offer concise and lucid surveys of the substantive and policy issues associated with discrete subject areas. The Advanced Introduction to Environmental Impact Assessment explores the unifying and universal principles at the heart of Environmental Impact Assessment (EIA) wherever it may be practiced worldwide. This overview of the field by Angus Morrison-Saunders emphasizes the big ideas upon which EIA was founded and which remain central to theory and practice today. In a nutshell, EIA is essentially about thinking before acting. Key Features include: A reminder of the fundamental ideas promoted by the pioneers and early writers about EIA* Consideration of environment and development and how the two come together in EIA* A short and concise overview of international best practice EIA principles as they apply today* Reflections on the increasing need to adopt a holistic, sustainability-oriented approach to EIA. This book is relevant to all stakeholders involved in EIA including practitioners, researchers, and teachers. It will also appeal to university students studying engineering, environmental science, geography, sustainability, and policy studies.

First published in 1988. This book has grown from a research workshop that began at the University of North Carolina under the direction of Maynard Hutschmidt. Professor Hutschmidt's long-held interest in the incorporation of environmental and other social values into benefit-cost analysis led to a research project entitled, "The Role of Environmental Indicators in Water Resource Planning and Policy Development," funded by the U.S. Department of the Interior. That project brought together the authors of this volume for a two-year period during which the groundwork for this book was laid.

Through twenty-one chapters that examine current debates, recent cases, and ongoing developments in Canadian EIA, Environmental Impact Assessment reflects the diversity of issues EIA processes now address.

This text explains what constitutes good practice in applying environmental assessment as an environmental management tool. A wide range of case studies and other student text features are employed to demonstrate how the different methods, techniques and disciplines of environmental assessment can be used. The authors address the key concepts for environmental assessment procedures: methods for using E.A.; techniques for impact prediction and evaluation; environmental risk assessment; EA consultation and participation; project management; environmental statement review and post-project analysis; and strategic environmental assessment. Worldwide case studies include: gas pipelines, hydroelectric power plants, gold mining, river crossings, waste-to-energy plants and gravel extraction in England, Scotland, Ireland, Canada, the USA, Venezuela, the Netherlands, Iceland, Zambia, Zimbabwe, South Africa and Ghana.

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.

This handbook for practitioners in environmental and public health, environmental management, toxicology and ecotoxicology has been prepared by an international group of experts from both developing and developed countries and covers a wide range of topics in both environmental impact assessment and environmental health impact assessment.

[Advanced Introduction to Environmental Impact Assessment](#)

[A Guide to Principles and Practice](#)

[Combining Facts And Values In Environmental Impact Assessment](#)

[Strategic Environmental Assessment in Action](#)

[Environmental Assessment in Practice](#)

[Volume 2: Impact and Limitations](#)

[Planning and Environmental Impact Assessment in Practice](#)

[Environmental Impact Assessment](#)

[The Application of Science in Environmental Impact Assessment](#)

[Furthering Environmental Impact Assessment](#)

This title was first published in 2002. This volume examines the norms of international law that apply to the planning stage of large-scale activities such as hydrocarbon exploitation, mineral extraction and forestry. These stationary activities (those that remain at a single location for a period of time), pose grave risks to the Arctic environment, since the development of technology has made it profitable to exploit natural resources even in such harsh regions.

Very few books exist on how EIA should be carried out for specific environmental components. Whereas its sister volume, Introduction to environmental impact assessment, concentrates on the EIA principles, procedures and prospects, Methods of environmental impact assessment concentrates on the methods applied for the environmental components. It does not attempt to make specialists of its readers, but aims to foster better communication between experts, a better understanding of how EIAs should be carried out, and better EIA-related decisions. Taken together, the two books provide a comprehensive coverage of the theory and practice of EIA.

First Published in 1994. Routledge is an imprint of Taylor & Francis, an informa company.

First Published in 2010. Routledge is an imprint of Taylor & Francis, an informa company.

This work has been designed as a primary teaching text in environmental impact assessment (EIA). It focuses on procedural training, with an emphasis on good principles and practice and provides a number of case studies from all over the globe.

Environmental Impact Assessment (EIA) has become a vital management tool worldwide. EIA is a means of evaluating the likely consequences of a proposed major action which will significantly affect the environment, before that action is taken.This new edition of Wood's key text provides an authoritative, international review of environmental impact assessment, comparing systems used in the UK, USA, the Netherlands, Canada, the Commonwealth of Australia and New Zealand and South Africa.

[Towards a Seamless Connection Between EIA and EMS](#)

[Practical Solutions to Recurrent Problems](#)

[A Handbook for Practitioners](#)

[Environmental Impact Assessment Handbook](#)

[Environmental Impact Assessment for Developing Countries](#)

[Environmental Impact Assessment in Australia](#)