

Environmental And Natural Resource Economics A Contemporary Approach

"Environmental and Natural Resource Economics "takes a policy-oriented approach, introducing economic theory in the context of debates and empirical work from the field. Readers will gain a global perspective of both environmental and natural resource

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economics.

This work takes a hands-on approach to the origins of environmental problems, their economic consequences, and the policies that address them. The text presents environmental economic theory and methods, and then applies and reinforces them with illustrations and applications.

Extensively revised and updated, this popular text presents an accessible yet rigorous treatment of environmental and

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natural resources economics, including climate change and the economics of sustainability. Completely revised and updated, the fourth edition now includes new figures and tables, definitions to assist the reader, and updated policy information. New advances in the science, economics and policy approaches to climate change have been integrated into essentially all-new chapters on incentive regulation and global climate change.

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This innovative textbook integrates economics with science and public policy in a balanced and accessible way that will be appreciated by students from disciplines ranging from economics and natural resources management to environmental studies and energy policy.

Teaching Environmental and Natural Resource Economics is a significant contribution to the literature of economics education. Theory and

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practice, teaching activities and exercises, and pro teaching tips are clearly and expertly presented. This guide will prove invaluable in helping students gain a better understanding of the theory and practice of environmental and natural resource economics.

An Introduction, Third Edition

Natural Resource Economics

Paradigms and Pedagogy

The Economics Of Environmental And

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Natural Resources Policy

This textbook discusses environmental and natural resource economics. It presents foundational knowledge for applying economics to understand environmental economics as well as for managing environmental problems and optimizing the level of natural resource extraction. Environmental and Natural Resource Economics bridges knowledge between the major natural environmental issues and which economic policies could be applied for reducing human impacts on such issues. It is distinctive from other environmental economics textbooks

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by covering not only basic concepts introduced in environmental economics but also explains economic models developed in resource economics for optimizing the use of non-renewable and renewable resources for sustainability. This textbook will help students understand how to apply economics for utilizing policies to mitigate environmental issues caused from the output side of economic activities such as emitting pollutants or generating wastes and those derived from the input side such as natural resource extractions.

The Economics of the Environment and Natural Resources covers the essential topics students need to understand environmental and resource problems and

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their possible solutions. Its unique lecture format provides an in-depth exploration of discrete topics, ideal for upper-level undergraduate, graduate or doctoral study. Each chapter depicts the key theoretical insights, major issues, and real-life problems that motivate the subject. In addition, the chapters feature practical applications and case studies, a list of annotated further reading, and extensive references. Offers broad treatment of issues in Environmental and Resource Economics. Provides in-depth exploration of a wide range of topics with its unique lecture format. Depicts key theoretical insights, major issues, and real-life problems for each subject. Features case studies, annotated further reading, extensive references, and a

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detailed glossary.

Environmental and natural resources have dramatically influenced consumer decisions, personal lifestyles, corporate planning and public policy over recent years. This text introduces the economic theories and methods of analysis economists use to approach these issues. Teaching Environmental and Natural Resource Economics is a significant contribution to the literature of economics education. Theory and practice, teaching activities and exercises, and pro teaching tips are clearly and expertly presented. The editors begin by presenting a bit of the historical thought on the study of environmental and natural resource economics. Once the editors establish

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context, they provide a full exploration of both paradigms and pedagogy. The paradigm section provides models for teaching the variety of courses offered at the university level. The chapters bridge the gap between environmental and natural resource economics textbooks and the classroom, with guidance for how to approach course topics. The pedagogy section is an excellent contribution to the teaching of environmental and natural resource economics, covering both particular topics and teaching methods. University instructors will find this guide to teaching environmental and natural resource economics invaluable in helping students gain a better understanding of the theory and practice of environmental and natural

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resource economics.

Encyclopedia of Energy, Natural Resource, and
Environmental Economics

Pearson New International Edition

Resource and Environmental Economics

Natural Resource Economics: The Essentials
Cases In Applied Economics

Environmental issues are of fundamental importance, and a broad approach to understanding the relationship between the human economy and the natural world is essential. In a rapidly changing policy and scientific context, this new edition of Environmental and Natural Resource Economics reflects an updated perspective on modern environmental topics. Now in

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its fifth edition, this textbook includes enhanced and updated material on energy, climate change, greening the economy, population, agriculture, forests and water - reflecting the greater urgency required to solve the big environmental problems in these areas. It introduces students to both standard environmental economics and the broader perspective of ecological economics, balancing analytical techniques of environmental economics topics with a global perspective on current ecological issues such as population growth, global climate change and "green" national income accounting. Harris and Roach's premise is that a pluralistic approach is essential to understand the complex nexus between the economy and the environment. This perspective, combined

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with its emphasis on real-world policies, is particularly appealing to both instructors and students. This is the ideal text for undergraduate classes on environmental, natural resource and ecological economics, and postgraduate courses on environmental and economic policy. The companion website features PowerPoint materials and extended, chapter specific discussion points.

Public concern over land management has never been greater. This book provides a broad overview of the economics of rural land-use change, drawing attention to the meaningful role economic analysis can play in resolving public concern and supporting futur

The tools of environmental economics guide policymakers as

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they weigh development against nature, present against future, and certain benefits against uncertain consequences. From reluctant-but-necessary calculations of the value of life, to quandaries over profits at the environment's expense, the policies and research findings explained in this textbook are relevant to decisions made daily by individuals, firms, and governments. The fourth edition of *Environmental Economics and Natural Resource Management* pairs the user-friendly approaches of the previous editions with the latest developments in the field. A story-based narrative delivers clear, concise coverage of contemporary policy initiatives. To promote environmental and economic literacy, we have added even more visual aids, including color photographs and

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diagrams unmatched in other texts. Ancillaries include an Instructor's Guide with answers to all of the practice problems and downloadable slides of figures and tables from the book. The economy is a subset of the environment, from which resources are obtained, workers and consumers receive sustenance, and life begins. Energy prices and environmental calamities constrain economic growth and the quality of life. The same can be said about overly restrictive environmental policies. It is with an appreciation for the weighty influence of this discipline, and the importance of conveying it to students, that this textbook is crafted.

In this book, first published in 1990, Judith Rees considers the spatial distribution of resource availability, development and

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consumption, and the distribution of resource-generated wealth and welfare. Showing that there are no simple answers, she analyses the complex interactions between economic forces, administrative structures and political institutions. This well-structured text is essential reading for upper-level students in geography, environmental planning, economics and resource management.

A Contemporary Approach

Environmental Economics and Natural Resource Management

Environmental Economics and Policy

Natural Resources

Economics of Rural Land-use Change

Resource Economics engages students and practitioners in

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natural resource and environmental issues from both local and global standpoints. The fourth edition of this approachable but rigorous text provides a new focus on risk and uncertainty as well as new applications that address the effect of new energy technologies on scarcity and climate change mitigation and adaptation, while preserving and systematically updating the approach and key features that drew many thousands of readers to the first three editions. Natural Resource Economics: The Essentials offers a policy-oriented approach to the increasingly influential field of natural resource economics that is based upon a solid foundation of economic theory and empirical research. Students will not only leave the course with a firm understanding of natural resource economics, but they will

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also be exposed to a number of case studies showing how underlying economic principles provide the basis for specific natural resource policies. Including current data and research studies, this key text also highlights what insights can be derived from the actual experience. Key features include: Extensive coverage of the major issues including energy, recyclable resources, water policy, land conservation and management, forests, fisheries, other ecosystems, and sustainable development; Introductions to the theory and method of natural resource economics including externalities, experimental and behavioral economics, benefit-cost analysis, and methods for valuing the services provided by the environment; Boxed 'Examples' and 'Debates' throughout the text which highlight global examples and major points for

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deeper discussions. The text is fully supported with end-of-chapter summaries, discussion questions, and self-test exercises in the book, as well as with multiple-choice questions, simulations, references, slides, and an instructor's manual on the Companion Website. This text is adapted from the best-selling Environmental and Natural Resource Economics, 11th edition, by the same authors.

This 7th edition offers a wealth of new examples and hot topics, such as genetically modified organisms and the cost effectiveness of new transportation fuels. The international edition also considers environmental problems and policies in Western Europe, China and the developing nations. Harris and Roach present a compact and accessible presentation of the core environmental and resource topics

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and more, with analytical rigor as well as engaging examples and policy discussions. They take a broad approach to theoretical analysis, using both standard economic and ecological analyses, and developing these both from theoretical and practical points of view. It assumes a background in basic economics, but offers brief review sections on important micro and macroeconomic concepts, as well as appendices with more advanced and technical material. Extensive instructor and student support materials, including PowerPoint slides, data updates, and student exercises are provided.

Environmental and Natural Resource Economics

Essays in Honor of Gardner M. Brown, Jr

Environmental and Natural Resource Economics: An

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Encyclopedia

Natural Resource and Environmental Economics

Research Tools in Natural Resource and Environmental
Economics

Environmental issues are of fundamental importance, and a broad approach to understanding the relationship of the human economy and the natural world is essential. In a rapidly changing policy and scientific context, this new edition of Environmental and Natural Resource Economics reflects an updated perspective on modern

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environmental topics. Now in its fourth edition, this book includes new material on climate change, the cost-competitiveness of renewable energy, global environmental trends, and sustainable economies. The text provides a balanced treatment of both standard environmental economics and ecological economics, based on the belief that these two approaches are complementary. Several chapters focus on the core concepts of environmental economics, including the theory of externalities, the management of

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public goods, the allocation of resources across time, environmental valuation, and cost-benefit analysis. Material on ecological economics includes such topics as macroeconomic scale, entropy, and "green" national accounting. Topical chapters focus on: energy; climate change; water resources; international trade; forests; fisheries; and agriculture, with an emphasis on designing effective policies to promote sustainability and a "green" economy. Harris and Roach's premise is that a pluralistic approach is

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essential to understand the complex nexus between the economy and the environment. This perspective, combined with its emphasis on real-world policies, is particularly appealing to both instructors and students. This is the ideal text for classes on environmental, natural resource, and ecological economics.

As natural resources have become scarcer, issues of environmental policy have become more vital and subject to debate in global as well as local arenas. Through the use of case

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studies especially developed for this book, the authors analyze the wide range of institutional contexts in which natural resource and environmental policy issues arise and the processes by which they are resolved. The first chapter provides a theoretical framework of key resource and environmental economics concepts-an overview that gradually broadens as the student is exposed to alternative methods of analysis, including market-oriented analysis, institutional analysis, and modeling. The case

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studies all begin with discussions of the pertinent biological, physical, social, and institutional issues before economic analysis is applied and policy conclusions are drawn. Suggested readings and study questions follow each chapter. This book is designed for use in upper-level college courses in natural resource and environmental economics and graduate courses in resource management. It can be used either as a primary text in conjunction with theoretical readings or as a supplemental source of case study readings.

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The cases will also be valuable for natural resource, environmental, and community development economists.

Now in its 4th Edition, this book is a comprehensive and contemporary analysis of the major areas of natural resource and environmental economics. All chapters have been updated in light of new developments and changes in the subject, and provide a balance of theory, applications and examples to give a rigorous grounding in the economic analysis of the resource and environmental

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issues that are increasingly prominent policy concerns. This text has been written primarily for the specialist market of second and third year undergraduate and postgraduate students of economics. The full text downloaded to your computer With eBooks you can: search for key concepts, words and phrases make highlights and notes as you study share your notes with friends eBooks are downloaded to your computer and accessible either offline through the Bookshelf (available as a free download),

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available online and also via the iPad and Android apps. Upon purchase, you'll gain instant access to this eBook. Time limit The eBooks products do not have an expiry date. You will continue to access your digital ebook products whilst you have your Bookshelf installed.

'Environmental and Natural Resource Economics' takes a policy-oriented approach, introducing economic theory in the context of debates and empirical work from the field. Readers will gain a global perspective of both

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*environmental and natural resource
economics.*

Allocation, Economics and Policy

*An Economic Approach to Natural Resource
and Environmental Policy, Fourth Edition*

Theory, Policy, and the Sustainable Society

The Econometrics of Non-Market Valuation

*The Economic Approach to Environmental
and Natural Resources*

**Mathematical analysis is key to the
modeling and management of natural
resources. By presenting required**

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mathematical methods, classic dynamic models for non-renewable and renewable resources, and by exploring several contemporary problems, this text provides a foundation for advanced research. Topics include seminal models in fishery, forestry and non-renewable resource management, as well as an extensive collection of contemporary applications that include the optimal transition from fossil fuels to clean energy, the optimal timing of interventions to save endangered species, pest control and the optimal management of antibiotic

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resistance. Deterministic and stochastic models in both discrete and continuous time are covered. The book encourages students to pursue a deeper understanding of the analytics of resource problems and to deploy numerical methods when analytical results prove intractable. The combination of analysis, theory and applications will launch the next generation of resource economists, while serving as a useful reference for established researchers. Environmental and Natural Resource Economics Addison-Wesley

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This volume contains an excellent set of papers by top scholars in environmental and resource economics. These papers span the wide range of topics that characterized the extraordinarily broad and productive career of Gardner Brown. They bring current issues in modeling important environmental policy questions into sharp focus in a way that emphasizes Brown s seminal insights. Richard Carson, University of California, San Diego, US I am glad this book has been written. Gardner is clearly too radical to get a statue and I doubt he would have the

patience to sit long enough for the sculptor to finish. Yet Gardner s ideas really deserve remembrance. The editors have managed not only to cover many of the areas and methods Gardner worked with but also to find authors who loved and/or respected him and who have honoured him by providing high quality work in his spirit. The book is imbued with those curious blends of curiosity and rigour, daring abstraction and yet painstaking attention to detail that are so characteristic of Gardner s work. It was a great pleasure to read. Thomas Sterner,

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Resource Economics A Contemporary Approach

University of Gothenburg, Sweden Gardner M. Brown, Jr. has been a leading innovator in the development of environmental and natural resource economics. This book comprises essays written in his honor by some of the most distinguished economists working in this field. The principal themes addressed include fundamental theoretical and empirical issues in the valuation of environmental and natural resources; the relationships between economic growth, natural resources and environmental quality; re-evaluation of some standard

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results in the dynamic modeling of renewable and non-renewable resources; the protection and management of biological resources; and the economics of antibiotic resistance. The original papers within this book will be of great interest to academics and practitioners in the field of environmental and natural resource economics.

Environmental and Natural Resource Economics is the best-selling text for natural resource economics and environmental economics courses, offering

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a policy-oriented approach and introducing economic theory and empirical work from the field. Students will leave the course with a global perspective of both environmental and natural resource economics and how they interact. Complemented by a number of case studies showing how underlying economic principles provided the foundation for specific environmental and resource policies, this key text highlights what can be learned from the actual experience. This new, 11th edition includes updated data, a

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number of new studies and brings a more international focus to the subject. Key features include: Extensive coverage of the major issues including climate change, air and water pollution, sustainable development, and environmental justice. Dedicated chapters on a full range of resources including water, land, forests, fisheries, and recyclables. Introductions to the theory and method of environmental economics including externalities, benefit-cost analysis, valuation methods, and ecosystem goods and services. Boxed

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'Examples' and 'Debates' throughout the text which highlight global examples and major talking points. The text is fully supported with end-of-chapter summaries, discussion questions, and self-test exercises in the book and multiple-choice questions, simulations, references, slides, and an instructor's manual on the Companion Website.

***Explorations in Environmental and Natural
Resource Economics***

***Environmental & Natural Resource
Economics***

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Valuing Environmental and Natural Resources

Policy Instruments for Environmental and Natural Resource Management

Economics of Natural Resources and the Environment

Accessible to students and practitioners without an advanced degree in environmental economics, this essential reference work pinpoints the role of the economy in both creating and solving many of the world's most pressing environmental challenges. • Provides stand-alone, easy-to-understand, politically neutral, and factually driven entries by leading experts on all the major themes and topics in environmental

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and natural resource economics • Supplies a usable framework for readers without an advanced degree in the subject to understand debates in the public forum on environmental and natural resource economics • Delivers the most comprehensive overview of one of the fastest-growing subdisciplines of economics

"Natural Resources and the Environment: Economics, Law, Politics, and Institutions provides a new approach to the study of environmental and natural resource economics. It augments current contributions from the fields of public choice, law and economics, and the burgeoning field of what used to be called the 'New Institutional Economics', to describe, explain, and interpret how these new developments have been applied to better understand the economics of natural resources and the

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environment. This textbook takes a multi-disciplinary approach, which is essential for understanding complex environmental problems, and examines the issue from not only an economic perspective, but also taking into account law, politics and institutions. In doing so, it provides students with a realistic understanding of how environmental policy is created and presents a comprehensive examination of real-world environmental policy. The book provides a comprehensive coverage of key issues, including renewable energy, climate change, agriculture, water resources, land conservation and fisheries, with each chapter accompanied by learning resources, such as recommended further reading, discussion questions and exercises. This textbook is essential reading for students and scholars seeking to build an

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interdisciplinary understanding of natural resources and the environment"--

Key Features: First book of its kind in the field Examines and analyzes how key tools are used to conduct theoretical and empirical research in natural resource and environmental economics in contemporary times Compiles various articles and accounts concerned with the relevant pedagogical discussion Written by recognized experts and prominent international researchers in the field.

This book presents the major themes of the economic literature on natural resources and the environment. It is designed to bring the reader, in part with the aid of a unified model of optimal resource use, to the frontiers of the discipline, using only elementary mathematical models.

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Features special to exhaustible and renewable resources, including the problems posed by market imperfections, are treated as extensions of the basic model. The theoretical discussion is enriched with examples and applications, including a systematic investigation of the behaviour of resource reserves, costs, prices, and substitution possibilities. Substantial attention to environmental, as well as extractive, resources is a distinctive aspect of this book. The author describes methods of estimating the environmental costs of resource development and other projects, and presents some key empirical findings. Policy instruments to protect the environment, such as taxes, subsidies, marketable permits, and direct controls, are carefully analysed from a welfare-theoretic point of view.

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Environmental and Natural Resources Economics

Analysis, Theory, and Applications

Theory, Policy and the Sustainable Society

Resource Economics

Teaching Environmental and Natural Resource Economics

This new edition of "Environmental and Natural Resources Economics" provides an accessible yet rigorous treatment of the subject, including the economics of sustainability. The new edition has been updated extensively throughout. A new chapter has been added on fisheries economics and policy, and the chapter on global climate change has been substantially rewritten to incorporate new scientific information and evolving public policy. Many new

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figures and tables have been added, and the glossary has also been expanded. Readers will appreciate the balanced and accessible coverage, and the integration of economics with science and public policy.

Decisions about the conservation and use of natural resources are made every day by individuals, communities, and nations. The latest edition of Field's acclaimed text highlights the incentives and trade-offs embedded in such decisions, providing a lucid introduction to natural resource issues using the analytical framework of economics. Employing a logical structure and easy-to-understand descriptions, Field covers fundamental economic

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principles and their general application to natural resource use. These principles are further developed in chapters devoted to specific resources. Moreover, this up-to-date volume addresses the challenge of achieving socially beneficial utilization rates in the twenty-first century amid continuing population growth, urbanization, and global climate change.

Topics new to the Third Edition include: •

**implications of climate change on resources •
fracking • energy intensity and the energy efficiency
gap • reducing fossil energy • forests and carbon •
international water issues • globalization and trade
in natural resources**

The purpose of this collection of readings is to aid

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the student taking a course in environmental economics to place the issues in perspective. The text is designed for an undergraduate audience, and those readings that have appeared elsewhere have, with the permission of the holders of the copyright, been suitably abridged for this purpose. The book is designed to be used in conjunction with a conventional text on environmental economics or as an adjunct to a comprehensive series of lectures in environmental and natural resource economics. Non-market valuation has become a broadly accepted and widely practiced means of measuring the economic values of the environment and natural resources. In this book, the authors provide a guide

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to the statistical and econometric practices that economists employ in estimating non-market values. The authors develop the econometric models that underlie the basic methods: contingent valuation, travel cost models, random utility models and hedonic models. They analyze the measurement of non-market values as a procedure with two steps: the estimation of parameters of demand and preference functions and the calculation of benefits from the estimated models. Each of the models is carefully developed from the preference function to the behavioral or response function that researchers observe. The models are then illustrated with datasets that characterize the kinds of data

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researchers typically deal with. The real world data and clarity of writing in this book will appeal to environmental economists, students, researchers and practitioners in multilateral banks and government agencies.

**Natural Resources and the Environment
A Contemporary Approach - International Student
Edition**

**Environmental & Natural Resource Economics, Global
Edition**

**The Economics of the Environment and Natural
Resources**

Economics, Law, Politics, and Institutions

Every decision about energy involves its price and cost. The price

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of gasoline and the cost of buying from foreign producers; the price of nuclear and hydroelectricity and the costs to our ecosystems; the price of electricity from coal-fired plants and the cost to the atmosphere. Giving life to inventions, lifestyle changes, geopolitical shifts, and things in-between, energy economics is of high interest to Academia, Corporations and Governments. For economists, energy economics is one of three subdisciplines which, taken together, compose an economic approach to the exploitation and preservation of natural resources: energy economics, which focuses on energy-related subjects such as renewable energy, hydropower, nuclear power, and the political economy of energy resource economics, which covers subjects land and water use, such as mining, fisheries, agriculture, and forests environmental economics, which takes a broader view of

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natural resources through economic concepts such as risk, valuation, regulation, and distribution Although the three are closely related, they are not often presented as an integrated whole. This Encyclopedia has done just that by unifying these fields into a high-quality and unique overview. The only reference work that codifies the relationships among the three subdisciplines: energy economics, resource economics and environmental economics. Understanding these relationships just became simpler! Nobel Prize Winning Editor-in-Chief (joint recipient 2007 Peace Prize), Jason Shogren, has demonstrated excellent team work again, by coordinating and steering his Editorial Board to produce a cohesive work that guides the user seamlessly through the diverse topics This work contains in equal parts information from and about business, academic, and

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government perspectives and is intended to serve as a tool for unifying and systematizing research and analysis in business, universities, and government

As Thomas Sterner points out, the economic 'toolkit' for dealing with environmental problems has become formidable. It includes taxes, charges, permits, deposit-refund systems, labeling, and other information disclosure mechanisms. Though not all these devices are widely used, empirical application has started within some sectors, and we are beginning to see the first systematic efforts at an advanced policy design that takes due account of market-based incentives. Sterner's book encourages more widespread and careful use of economic policy instruments. Intended primarily for application in developing and transitional countries, the book compares the accumulated experiences of t

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use of economic policy instruments in the U.S. and Europe, as well as in select rich and poor countries in Asia, Africa, and Latin America. Ambitious in scope, the book discusses the design of instruments that can be employed in a wide range of contexts, including transportation, industrial pollution, water pricing, waste, fisheries, forests, and agriculture. *Policy Instruments for Environmental and Natural Resource Management* is deeply rooted in economics but also informed by perspectives drawn from political, legal, ecological, and psychological research. Sterner notes that, in addition to meeting requirements for efficiency, the selection and design of policy instruments must satisfy criteria involving equity and political acceptability. He is careful to distinguish between the well-designed plans of policymakers and the resulting behavior of society. A copublication of *Resources* for

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the Future, the World Bank, and the Swedish International Development Cooperation Agency (Sida).

For courses in environmental economics Environmental & Natural Resource Economics is the best-selling text for this course, offering a policy-oriented approach and introducing economic theory in the context of debates and empirical work from the field. Students leave the course with a global perspective of both environmental and natural resource economics. Gain flexibility in your course outlines: The text is organized, so that you can fit individual course outlines. Use relevant material: Students identify with up-to-date information, which gives them a global perspective on key issues. Engage students with self-tes exercises, debates and examples: Students are able to prepare f their field and learn from an active learning path, which allows

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them to grasp concepts before moving through the text. Environmental Economics and Policy is a best-selling text for environmental economics courses. Offering a policy-oriented approach, it introduces economic theory, empirical fieldwork, and case studies that show how underlying economic principles provided the foundation for environmental policies. Key features include: Introductions to the theory and method of environmental economics, including externalities, benefit-cost analysis, valuation methods, and ecosystem goods and services. Extensive coverage of the major issues including climate change mitigation and adaptation, air and water pollution, and environmental justice. Boxed "Examples" and "Debates" throughout the text, which highlight global examples and major talking points. This text will be of use to undergraduate students of economics. Students w

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leave the course with a global perspective of how environmental economics has played and can continue to play a role in promoting fair and efficient environmental management. The text is fully supported with end-of-chapter summaries, discussion questions, and self-test exercises in the book. Additional online resources include references, as well as PowerPoint slides for each chapter.

Natural Resource And Environmental Policy Analysis