

# Policy Instruments For Environmental And Natural Resource Management

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## **Economic Incentives and Environmental Policies** - J.B. Opschoor 2012-12-06

This book contains a collection of papers on economic incentives and environmental policies which result from the authors' joint research work in the program 'Environment, Science and Society', conducted under the auspices of the European Science Foundation, with whose cooperation the book has been published. The work concentrates on the scientific and methodological aspects of the development, implementation and evaluation of economic instruments at a national level. The research is both theoretical and empirical. At a theoretical level attention is given to the dynamics of instrument choice in various political and economic contexts, and to the means for evaluating economic instruments in terms of their effectiveness and efficiency. At an empirical level the research seeks to investigate the performance of economic instruments in reality and to explore options for new approaches on the interface between technology, economy and the environment. A subject index complements this first volume in the ESF 'Environment, Science and Society' series.

## The Use of Economic Instruments in Environmental Policy - United Nations 2004

This paper looks at the role and importance of economic instruments in the context of three specific biodiversity related Multilateral Environmental Agreements. These are the Convention on international Trade in Endangered Species of Flora and Fauna (CITES), the Convention on Biological Diversity (CBD) and the Ramsar Convention on Wetlands of International Importance especially as Waterfowl Habitat (Ramsar Convention). The paper also discusses ways to improve and enhance the use of economic instruments as a means of conserving and sustaining biological diversity. (UNEP).

## Environmental Policy Between Regulation and Market - C. Jeanrenaud 2013-03-07

Environmental policies have traditionally relied on direct controls and on government investment to protect natural resources. Today, the drawbacks and impediments to this approach are evident: heavy burdens borne by companies and the community, complex regulations, a danger of legislative inflation, difficulties in meeting the goals set, to name a few. In response, the environmental authorities in many countries have begun to reassess the efficacy of their programs, with the result that market incentives and voluntary agreements with companies or branches of industry have been added to the arsenal of traditional environmental protection measures. There are great expectations for new economic instruments, which offer the twofold advantage of giving companies more freedom in the choice of means, and of increasing the chances for meeting goals in a more cost-effective way. The authors of this book analyse these instruments - green taxes, tradeable permits, covenants, joint implementation, internationally tradeable quotas - from the point of view of costeffectiveness, their ability to achieve environmental goals, and public and corporate acceptability. They endeavour to determine on the basis of experience to date, whether these instruments are living up to the hopes placed in them.

## Market Instruments and the Protection of Natural Resources - Natalie P. Stoianoff 2016-08-26

Only through a concerted global effort can we protect our natural resources, save our precious natural environment, and indeed our future. But pressures on natural resources come from many directions such as overuse, mismanagement and contamination. This much-needed book reviews and evaluates the use of market and fiscal instruments in protecting our natural resources, from rural to marine environments. Market instruments that are designed to protect the global atmosphere are evaluated, along with carbon instruments and environmental tax incentives. Meanwhile, consideration is given to shifting the tax burden to achieve environmentally responsible outcomes, balancing sustainable use and natural resource protection, and protecting water resources.

## **Market- Based Instruments for Environmental Management** - Mikael Skou Andersen 2000-01-01

"This volume brings together contributions from political scientists and environmental economists and will prove invaluable for academics, practitioners and policymakers interested in the experiences of countries where market-based instruments are well established."--BOOK JACKET.

## **The Nature of Economic Instruments** - Edward B. Barbier 1992

## **Policy Instruments for Environmental and Natural Resource Management** - Thomas Sterner 2013-10-30

Thomas Sterner's book is an attempt to encourage more widespread and careful use of economic policy instruments. The book compares the accumulated experiences of the use of economic policy instruments in the U.S. and Europe, as well as in rich and poor countries in Asia, Africa, and Latin America. Ambitious in scope, it discusses the design of instruments that can be employed in any country in a wide range of contexts, including transportation, industrial pollution, water pricing, waste, fisheries, forests, and agriculture. While deeply rooted in economics, Policy Instruments for Environmental and Natural Resource Management is informed by political, legal, ecological, and psychological research. The new edition enhances what has already been widely hailed as a highly innovative work. The book includes greatly expanded coverage of climate change, covering aspects related to policy design, international equity and discounting, voluntary carbon markets, permit trading in United States, and the Clean Development Mechanism. Focusing ever more on leading ideas in both theory and policy, the new edition brings experimental economics into the main of its discussions. It features expanded coverage of the monitoring and enforcement of environmental policy, technological change, the choice of policy instruments under imperfect competition, and subjects such as corporate social responsibility, bio-fuels, payments for ecosystem services, and REDD.

## **Economic Policy for the Environment and Natural Resources** - Anastasios Xepapadeas 1996

Covering environmental policy at both the national and international levels, this book represents

recent work on its theory and application. At national level, it focuses on instruments for pollution control, and internationally, it discusses measures for increased international co-operation.

**Nature, Economy and Society** - Nilanjan Ghosh 2015-09-01

This book presents an enquiry into the interface between nature, economy and society, which is still in its early stages, notwithstanding the commendable progress and advances made in the field of environmental and natural resource economics within the ever-expanding boundaries of economics as a discipline. It further delineates the evolution of an inter-disciplinary framework for analyzing the status, the future goals, mechanisms and policy instruments that can help move towards a more ecologically sustainable, economically beneficial and socially just future. A pre-requisite for preparing a comprehensive and coherent framework involves unfolding the multiple layers of interconnectedness between the three systems nature, economy and society, each of which has its own internal consistencies as well as externalities. Against this backdrop, the book presents scholarly contributions that focus on four broadly defined building blocks, namely: i) accounting for ecosystems services for life and human well-being; ii) impacts of economic growth on ecosystems; iii) social norms, equity, and governance; and iv) alternative approaches to green and socio-economic systems. The analyses, presented by some of the most eminent national and international scholars, address the major environmental challenges that nations around the world face today and consider which specific policy directions at the international and national level are needed. In particular, the choices India and South Asia now face, as development and environment both need to be addressed adequately, touch on many of these challenges.

*Principles of Environmental and Resource Economics* - Henk Folmer 2000

New edition of a text in which Folmer (Wageningen U. and Tilburg U.) and Gabel (INSEAD, France) present 22 contributions that offer both an introduction to the economic causes and consequences of environmental and resource problems and an assessment of recent developments in environmental policy instruments and corporate responses to environmental problems. The first part gives a broad overview of the misallocation problems in a market economy and analyzes the implications of policy and the problems involved in valuation. Subsequent articles provide further insights into topics such as international trade and environmental policy, social accounting, green taxation, waste management, and the relationship between economic growth and environmental quality. Annotation copyrighted by Book News, Inc., Portland, OR

[The Political Economy of Sustainable Development](#) - Timothy Cadman 2015-11-27

Since the Rio 'Earth' Summit of 1992, sustainable development has become the major policy response to tackling global environmental degradation, from climate change to loss of biodiversity and deforestation. Market instruments such as emissions trading, payments for ecosystem services and timber certification have become the main mechanisms for financing the sustainable management of the earth's natural resources. Yet how effective are they - and do they help the planet and developing countries, or merely uphold the economic status quo? This book investigates these important questions. Providing a comprehensive analysis and the latest research on sustainable development, the authors compare the divergent approaches to emissions trading. Included is a detailed investigation into illegal logging and the effectiveness of policy responses, with an evaluation of different forest certification schemes. Biodiversity offsets and environmental payments are also explored. Integral to the book are interviews and opinions of the key stakeholders in the political economy of sustainable development. This uniquely comprehensive analysis of the governance quality of different sustainable development mechanisms, unprecedented in its panorama of comparative case studies, is essential reading for all those in the policy, academic and non-governmental communities.

**Natural Resource and Environmental Economics** - Roger Perman 2013-02-07

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 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), 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.

*Policy Instruments for Environmental and Natural Resource Management* - Thomas Sterner 2003  
Policy Instruments for Environmental and Natural Resource Management uses economic, political, legal, ecological, and psychological perspectives to encourage more widespread and careful use of economic policy instruments in a wide range of contexts.

**The Theory of Environmental Policy** - William J. Baumol 1988-02-26

An analysis of the economic theory of environmental policy and the factors influencing the quality of life. Recent research in environmental economics is incorporated as well as economic incentives for pollution control.

**Use of Economic Instruments in Water Policy** - Manuel Lago 2015-09-21

This book assesses both the effectiveness and efficiency of implemented Economic Policy Instruments (EPIs) in order to achieve water policy goals and identifies the preconditions under which they outperform alternative (e.g. regulatory) policy instruments and/or can complement them as part of complex policy mixes. The development of a consolidated assessment framework helps clarify (and where possible, quantify) the effectiveness of each EPI on the basis of different criteria. Outcome-oriented criteria describe how the EPIs perform. They include intended and unintended economic and environmental outcomes and the distribution of benefits and costs among the affected parties. These steps consider the application of cost effectiveness and cost benefits analysis, e.g. to assess ex-post performance of the EPI. Process criteria describe the institutional conditions (legislative, political, cultural, etc.) affecting the formation and operation of the EPI studied (particularly relevant for assessing the possible impacts of using economic instruments), the transaction costs involved in implementing and enforcing the instruments and the process of implementation. Case studies from Cyprus, Denmark, France, Germany, Hungary, Italy, the Netherlands, Spain and the United Kingdom, as well as from Australia, Chile, Israel and the USA are presented in this book. A wide variety of EPIs are also covered, including water-pricing schemes (tariffs, environmental taxes, environmental charges or fees, subsidies on products and practices), trading schemes (tradable permits for abstraction and pollution) and cooperation mechanisms.

*Change and Continuity in Poland's Environmental Policy* - Andersson 2013-03-14

*Dictionary of Environmental Economics* - Renat Perelet 2014-10-14

A comprehensive dictionary of environmental economics, compiled by leading academics in the field. Each expression or phrase is explained clearly in non-technical language, with references given to its use in the growing literature on the subject area. From abatement to zonal travel cost method (ZTCM), there are over 1000 cross-referenced entries covering topics such as: environmental instruments for policy-making, techniques applied in environmental and natural resource economics, major issues in environmental economics and environmental management, economics of sustainable development, natural resource accounting, and international environmental agreements. As well as providing incisive answers to questions such as 'What is natural capital?' or 'when are crowding diseconomies important?', the dictionary includes a list of commonly used acronyms and abbreviations, and a complete bibliography detailing the major texts in the field is provided.

### **Instrument Mixes for Environmental Policy** - OECD 2007-05-31

Presents case studies analysing instrument mixes applied in OECD countries to address household waste, non-point sources of water pollution in agriculture, residential energy efficiency, regional air pollution and emissions to air of mercury.

### **Failure or Reform?** - Stewart Lockie 2019-09-27

Market reform promises more environmental protection and more profitable agriculture at lower financial cost. Too good to be true? This book examines numerous empirical examples of policy in action to identify principles for the successful application of market-based policy instruments.

Where some market instruments are used to fix market failures by putting a value on environmental protection, others use market-like mechanisms to allocate financial incentives for environmental work. They are promoted as flexible, efficient and politically neutral solutions to the competing demands of social, economic and ecological sustainability. But they also attract criticism for rolling back environmental regulation and privatizing public goods. This book argues that while many market-based instruments have merit, decisions about responsibility cannot be left entirely to the market. Whichever instruments we use, decision-making needs to be embedded in a logic of democratization. Using case studies from around the world, this book investigates how instruments like eco-standards, payments for ecosystem services, pollution trading and community-based natural resource management perform in practice, and what can be learned about applying them more effectively. While the approach is primarily sociological, it is deliberately written to bridge the gap between sociology, economics, environmental sciences and the concerns of environmental policy makers.

### **Encyclopedia of Energy, Natural Resource, and Environmental Economics** - 2013-07-15

Every decision about energy involves its price and cost. The price 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 in land and water use, such as mining, fisheries, agriculture, and forests environmental economics, which takes a broader view of 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 government perspectives and is intended to serve as a tool for unifying and systematizing research and analysis in business, universities, and government.

### **The Economics Of Environmental And Natural Resources Policy** - J. A. Butlin 2019-09-06

The purpose of this collection of readings is to aid 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.

### **Choice Experiments Informing Environmental Policy** - Ekin Birol 2008-01-01

. . . a text detailing several recent, state-of-the-art choice experiment studies in European Union countries is valuable for illustrating the usefulness of the method for informing environmental policy. . . Birol and Koundouri have admirably compiled an array of case studies that provide relevant information for European environmental, agricultural, natural resource management and food policy, and that also offer a number of advances in the application and analysis of the CEM. The text is suitable for academics and graduate students with an interest in current applications of stated preference methods and for policy-makers interested in understanding people's preferences for environmental quality. . . Bethany Cooper, Australasian Journal of Environmental Management This volume provides an assessment of the literature on environmental valuation in Europe. It outlines some of the key environmental policy issues facing European Union countries and provides information on preferences and values associated with policy options. It also provides a set of state of the art examples of preference elicitation and analysis. This volume will be of interest to a variety of audiences. The book provides insights that will be useful to policy makers interested in understanding the public's preferences for environmental quality and it will be useful to academics and graduate students interested in cutting edge applications of stated preference methods. Wictor Adamowicz, University of Alberta, Canada This innovative book is a compilation of state-of-the-art choice experiment studies undertaken in several European Union (EU) countries, including Finland, France, Greece, Ireland, Italy, Poland, Spain and the United Kingdom. The case studies presented concern a variety of environmental, agricultural and natural resource issues such as the management of water resources, forests and agricultural landscapes; conservation of biodiversity and cultural heritage; noise pollution reduction and food labeling. The book highlights how the choice experiment method can be employed to inform efficient and effective design and implementation of various EU level agricultural and environmental policies and directives, including the Common Agricultural Policy, Water Framework Directive, Forestry Strategy, Habitats Directive and food labeling systems. This book will be of great interest to researchers working in the fields of environmental, natural resource and agricultural economics. Academics and graduate students worldwide, as well as applied economists working in international and national organizations, would benefit from the cutting edge choice experiment applications presented in this book. International and national policy makers will also benefit from the information on the use and usefulness of the choice experiment method in informing efficient and effective environmental, agricultural and natural resource management policy making.

### **The Economics of Sustainable Development** - Surender Kumar 2009-06-10

This book highlights methodological approaches for the economics of sustainable development and brings together recent empirical work done in India, especially by Dr. Surender Kumar and Dr. Shunsuke Managi. Various chapters in this book use Indian data to show the very wide applicability of methodologies in the theory of production for dealing with many empirical issues of environmentally sustainable development in a developing country. I congratulate the authors for the time and effort devoted to compiling this very useful reference on the subject and the publishers for publishing this volume. The methodologies of cost functions, distance functions, and production functions have been used in many recent studies and in the studies reported in this book for environmental valuation. Environmental valuation is required for designing policy instruments like pollution taxes for sustainable development and for measuring green GDP. The UN methodology of integrated environmental and economic accounting provides ways of measuring the cost of maintaining environmental resources at sustainable levels or the maintenance cost for estimating green GDP. Some of the chapters in this book show that the methodology of distance functions could be used for estimating the cost of environmentally sustainable development.

### **OECD Green Growth Studies Material Resources, Productivity and the Environment** - OECD 2015-02-12

This book provides a factual analysis of material flows and resource productivity in OECD countries in a global context.

### **Environmental Policy in Search of New Instruments** - B. Dente 2013-03-09

Environmental policy is undergoing a dramatic transformation. The problems connected with global change, the need for preventative action, and the growing importance of non-source pollution call for new courses of action and new institutional arrangements. In this situation, it is fairly obvious that both the traditional command and control policy instruments and the more modern financial and economic instruments are increasingly under stress. This volume deliberately aims to break new ground in providing the conceptual tools necessary for the next generation of environmental policies. In doing so, it covers a wide interdisciplinary range, from public policy analysis to international law, and draws upon much international experience, well reflected by the mixed composition of the contributors. On the basis of a shared theoretical framework, the book explores the potential of new policy instruments, such as policy evaluation or mediation, proposes alternative institutional arrangements for dealing with the issues, classifies existing instruments, and illuminates the process through which old and new tools can be set into operation.

*Natural Resource Management and the Circular Economy* - Robert C. Brears 2018-02-15

This book provides insight into how governments are using a variety of innovative fiscal and non-fiscal instruments to develop circular economies with significant economic and environmental benefits. It emphasises the urgent need for these circular economies and to move away from our current, linear model that has led to environmental degradation, volatility of resource prices and supply risks from uneven distribution of natural resources. *Natural Resource Management and the Circular Economy* illustrates how governments have promoted the development of an economy that can provide substantial net material savings; mitigate price volatility and supply risks; and improve ecosystem health and long-term resilience of the economy. Through a series of case studies, it details the various innovative policy instruments which can be utilised, including regulations; market-based instruments; incentives; research and innovation support; information exchanges; and support for voluntary approaches. The book also proposes a series of best practices for different countries, both developed and developing, who are implementing their circular economy.

**Managing Natural Resources in British Columbia** - Anthony Scott 2011-11-01

How must natural resource sectors change to achieve sustainable development in British Columbia? What reforms can be made to 'institutions' in order to assist these changes? What new policy instruments can be introduced? What institutions and instruments are no longer useful? These questions are the topic of hot debate in British Columbia and elsewhere. *Managing Natural Resources in British Columbia* grapples with these questions and suggests some preliminary answers.

**Handbook of Environmental and Resource Economics** - Jeroen C. J. M. Van den Bergh 2002-01-01

This major reference book comprises specially commissioned surveys in environmental and resource economics written by an international team of experts. Authoritative yet accessible, each entry provides a state-of-the-art summary of key areas that will be invaluable to researchers, practitioners and advanced students.

*Natural Resource Policy* - Frederick Cabbage 2016-07-12

Natural resource policies provide the foundation for sustainable resource use, management, and protection. *Natural Resource Policy* blends policy processes, history, institutions, and current events to analyze sustainable development of natural resources. The book's detailed coverage explores the market and political allocation and management of natural resources for human benefits, as well as their contributions for environmental services. Wise natural resource policies that promote sustainable development, not senseless exploitation, promise to improve our quality of life and the environment. Public or private policies may be used to manage natural resources. When private markets are inadequate due to public goods or market failure, many policy options, including regulations, education, incentives, government ownership, and hybrid public/private policy instruments may be crafted by policy makers. Whether a policy is intended to promote

intensive management of natural resources to enhance sustained yield or to restore degraded conditions to a more socially desirable state, this comprehensive guide outlines the ways in which natural resource managers can use their technical skills within existing administrative and legal frameworks to implement or influence policy.

*Saving Small Island Developing States* - Shyam Nath 2010

Small island states have a big problem - the environmental consequences of climate change. This text introduces and explains the key environmental policy challenges and suggested responses to them.

**Resource and Environmental Economics** - Anthony C. Fisher 1981-11-30

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. 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.

**Discounting and Environmental Policy** - Joel Scheraga 2018-04-27

This book was published in 2003. The "International Library of Environmental Economics and Policy" explores the influence of economics on the development of environmental and natural resource policy. In a series of 25 volumes, the most significant journal essays in key areas of contemporary environmental and resource policy are collected. Scholars who are recognized for their expertise and contribution to the literature in the various research areas serve as volume editors and write essays that provides the context for the collection. Volumes in the series reflect three broad strands of economic research including: natural and environmental resources; policy instruments and institutions; and methodology. The editors, in their introduction to each volume, provide a state-of-the-art overview of the topic and explain the influence and relevance of the collected papers on the development of policy. This reference series provides access to the economic literature that has shaped contemporary perspectives on land use analysis and policy.

*Quatuor Evangelia et Acta Apostolorum Telugice* -

*Natural Resource and Environmental Economics* - Roger Perman 1996

Environmental economics is one of the fastest growing areas of economics. It establishes the true cost of natural resources including the costs of clean water and fresh air, and discusses ways in which these costs can then be distributed among consumers. This completely new textbook combines rigorous economic theory with its practical application in the environment to provide the most up-to-date and thorough coverage of the subject. The author introduces input-output models and general equilibrium analysis of environmental policy which is unique in an environmental economic text at this level and illustrates the text with real-life case studies. (Los Angeles, Peru, Eastern Europe)

**Handbook of Environmental Economics** - Karl-Goran Maler 2003-05-20

The *Handbook of Environmental Economics* focuses on the economics of environmental externalities and environmental public goods. Volume I examines environmental degradation and policy responses from a microeconomic, institutional standpoint. Its perspective is dynamic, including a consideration of the dynamics of natural systems, and global, with attention paid to issues in both rich and poor nations. In addition to chapters on well-established topics such as the theory and practice of pollution regulation, it includes chapters on new areas of environmental

economics research related to common property management regimes; population and poverty; mechanism design; political economy of regulation; experimental evaluations of policy instruments; and technological change.

**Economics of Forestry** - Roger A. Sedjo 2018-02-06

This title was first published in 2003. The 'Economics of Forestry' is a specialized subset of resource economics addressing a specific natural resource - the forest - which is usually a relatively long time period. Hence, forest economics has characteristics similar to nonrenewable resources but also has those of a renewable resource, in some cases approaching those of agriculture. This volume comprises some of the most significant journal essays in forest economics and forest policy. The International Library of Environmental Economics and Policy explores the influence of economics on the development of environmental and natural resource policy. In a series of twenty five volumes, the most significant journal essays in key areas of contemporary environmental and resource policy are collected. Scholars who are recognized for their expertise and contribution to the literature in the various research areas serve as volume editors and write essays that provides the context for the collection. Volumes in the series reflect three broad strands of economic research including 1) Natural and Environmental Resources, 2) Policy Instruments and Institutions and 3) Methodology. The editors, in their introduction to each volume, provide a state-of-the-art overview of the topic and explain the influence and relevance of the collected papers on the development of policy. This reference series provides access to the economic literature that has shaped contemporary perspectives on land use analysis and policy.

**Environmental Valuation** - Jennifer Rietbergen-McCracken 2013-10-11

This companion volume to Economic Instruments for Environmental Management presents essential information on the applications of economic valuation to environment and development. It draws on a three-year collaborative effort by research institutions around the world.

Authoritative studies review the range of valuation methods used in developing economies, their purposes, the problems encountered and the quality of the results. Topics covered include the value of wildlife viewing, the conservation of rainforests, mangroves and coral reefs, supplying rural water, and controlling urban air pollution. The analysis reveals important methodological and contextual factors, highlighting key lessons and ways of strengthening future valuations. Written to be accessible to non-economists, the book provides source material for students and academics, and for policy-makers and professionals, using valuation methods to frame policy.

Policy Instruments for Environmental and Natural Resource Management - Thomas Professor Sterner 2010-09-30

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

**Policy Instruments for Environmental and Natural Resource Management** - Thomas Sterner 2013-10-30

Thomas Sterner's book is an attempt to encourage more widespread and careful use of economic policy instruments. The book compares the accumulated experiences of the use of economic policy instruments in the U.S. and Europe, as well as in rich and poor countries in Asia, Africa, and Latin America. Ambitious in scope, it discusses the design of instruments that can be employed in any country in a wide range of contexts, including transportation, industrial pollution, water pricing, waste, fisheries, forests, and agriculture. While deeply rooted in economics, Policy Instruments for Environmental and Natural Resource Management is informed by political, legal, ecological, and psychological research. The new edition enhances what has already been widely hailed as a highly innovative work. The book includes greatly expanded coverage of climate change, covering aspects related to policy design, international equity and discounting, voluntary carbon markets, permit trading in United States, and the Clean Development Mechanism. Focusing ever more on leading ideas in both theory and policy, the new edition brings experimental economics into the main of its discussions. It features expanded coverage of the monitoring and enforcement of environmental policy, technological change, the choice of policy instruments under imperfect competition, and subjects such as corporate social responsibility, bio-fuels, payments for ecosystem services, and REDD.

**Environmental Policy and Industrial Innovation** - David Wallace 2017-10-19

This book, originally published in 1995, examines the evolution of environmental policy in 6 OECD countries. Through numerous examples, it contrasts the widely-varying political and regulatory styles and their consequences for innovation. Two industry-specific case studies provide a transnational perspective on the co-evolution of technology and environmental policy. The book concludes that innovation can be successfully harnessed by setting credible, long-term environmental goals and ensuring that regulatory instruments are grounded in flexibility, dialogue and trust.