

Environmental Economics Kolstad Solutions Manual Ebook

Human well-being relies critically on ecosystem services provided by nature. Examples include water and air quality regulation, nutrient cycling and decomposition, plant pollination and flood control, all of which are dependent on biodiversity. They are predominantly public goods with limited or no markets and do not command any price in the conventional economic system, so their loss is often not detected and continues unaddressed and unabated. This in turn not only impacts human well-being, but also seriously undermines the sustainability of the economic system. It is against this background that TEEB: The Economics of Ecosystems and Biodiversity project was set up in 2007 and led by the United Nations Environment Programme to provide a comprehensive global assessment of economic aspects of these issues. This book, written by a team of international experts, represents the scientific state of the art, providing a comprehensive assessment of the fundamental ecological and economic principles of measuring and valuing ecosystem services and biodiversity, and showing how these can be mainstreamed into public policies. This volume and subsequent TEEB outputs will provide the authoritative knowledge and guidance to drive forward the biodiversity conservation agenda for the next decade.

How much is a cleaner environment worth? For policy makers, that question used to go largely unanswered. Many economic activities cause environmental degradation, entailing real costs to the economy and to people's welfare. Knowing the extent of these costs is crucial for identifying a country's main environmental priorities and allocating appropriate funds for environmental protection. Over the past decade, the World Bank has initiated a systematic effort to measure the costs of environmental degradation in the Middle East and North Africa, shedding new light on their magnitude and on the need for policy changes. In many cases, these costs were found to be surprisingly large. 'The Cost of Environmental Degradation: Case Studies from the Middle East and North Africa' brings together the best case studies of this program and summarizes their policy impacts at the national and regional levels. The case studies quantify monetarily the annual damage due to environmental degradation and express these estimates as percentages of the countries' gross domestic product. The studies use the most recent environmental valuation methods to estimate the economic costs resulting from air pollution, water degradation, deforestation, and land degradation. Uniquely, the book dedicates a case study to value the costs of environmental degradation resulting from an oil spill and demolition waste in times of conflict. The studies then illuminate the concrete implications on policy, investments, and institutions for the respective nations. This book will be of interest to policy makers, nongovernmental organizations, and academic and research institutions.

The text presents a broad study of environmental issues and explores economic theories to reinforce the lessons. Offering a long-lasting understanding of real-world environmental problems and policy solutions, this work provides a foundation for the environmental managers of tomorrow.

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

Institutions, Economic Performance and Sustainable Development

The Economic Approach to Law, Third Edition

A Primer on Nonmarket Valuation

Case Studies from the Middle East and North Africa

The Climate Casino

Natural Resource and Environmental Economics

This new work on energy and environmental modeling describes a broad variety of modeling methodologies, embodied in models of varying scopes and philosophies. Examples range from top-down integrated assessment models to bottom-up partial equilibrium models, to hybrid models.

This report provides actionable advice on how to design and implement fiscal policies for both development and climate action. Building on more than two decades of research in development and environmental economics, it argues that well-designed environmental tax reforms are especially valuable in developing countries, where they can reduce emissions, increase domestic revenues, and generate positive welfare effects such as cleaner water, safer roads, and improvements in human health. Moreover, these reforms need not harm competitiveness. New empirical evidence from Indonesia and Mexico suggests that under certain conditions, raising fuel prices can actually increase firm productivity. Finally, the report discusses the role of fiscal policy in strengthening resilience to climate change. It provides evidence that preventive public investments and measures to build fiscal buffers can help safeguard stability and growth in the face of rising climate risks. In this way, environmental tax reforms and climate risk-management strategies can lay the much-needed fiscal foundation for development and climate action.

This thought provoking book draws together prominent international authorities to discuss the key methodological issues and challenges in valuing ecosystem services. Covering a cross-section of ecosystems and services in different sites, countries and

Summarizes the science of climate change and impacts on the United States, for the public and policymakers.

Nature and Society

Realising REDD+

Applied Health Economics for Public Health Practice and Research

Global Climate Change Impacts in the United States

Environmental Economics and Management

The Cost of Environmental Degradation

This book makes a case for a multidisciplinary and transdisciplinary approach to energy research—one that brings more of the social sciences to bear. Featuring eight studies from across the spectrum of the social sciences, each applying multiple disciplines to one or more energy-related problems, the book demonstrates the strong analytical and policy-making potential of such a broadened perspective. Case studies include: energy transitions of households in developing countries, the 'curse of oil', politics and visions for renewables, economics and ethics in emissions trading, and carbon capture and storage.

Now in its fourth edition, Natural Resources and Environmental Economics, provides comprehensive and contemporary analysis of the major areas of natural resource and environmental economics. All chapters have been fully 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 is suitable for second and third year undergraduate and postgraduate students of economics.

Environmental Economics in Theory and Practice provides a thorough and coherent review and discussion of environmental economics. It is a guide to the most important areas of natural resource and environmental economics, including the economics of non-renewable and renewable resource extraction, the economics of pollution control, the application of cost-benefit analysis to the environment, and the economics of sustainable development. The book concentrates on key elements of economic theory, and shows how they can be applied to real-world problems. Particular emphasis is placed on analyzing recent empirical studies from all over the world along with in-depth coverage of various economic models. Each chapter develops the main theoretical results and recent analytic techniques necessary for understanding applications. Throughout the book, results are presented in words, graphs, and mathematical models; brief technical notes inform readers about optimal control theory, the Kuhn-Tucker conditions, game theory, and linear programming. Moving through the laws of thermodynamics to an analysis of market failure, the book turns to the economics of natural resources and pollution control. It concludes with an examination of environmental cost-benefit analysis and sustainable development. A comprehensive text, it is particularly suitable for use in advanced undergraduate and graduate courses in environmental and resource economics. Because of up-to-date coverage, it will also be of interest to professionals working in resource and environmental economics.

The Manual provides step-by-step guidance to assist instructors in training policymakers and practitioners in the use of economic instruments – pollution taxes, user fees, property rights, etc. - for sustainable development in general and for environmental and natural resource management in particular. Designed as an interactive working document composed of flexible modules and exercises and providing guidance for trainers and course participants, the manual offers substantial flexibility for trainers to custom design courses that meet local needs and priorities.

Valuing Ecosystem Services

Theory, Policy, and Applications

Toward Better Environmental Decision-Making

Multidisciplinary Methods and Tools for a Low Carbon Society

Intermediate Environmental Economics

Fiji has distinct institutional features that make it an ideal case for examining and discussing the consequences of institutional arrangements (particularly the nature of property rights) for national economic performance, development prospects, and the state of the environment which in turn, reflects a nation's ability to achieve sustainable development. Furthermore, the nature of institutional arrangements in Fiji can be used to illustrate aspects of both the new and the 'old' institutional economics. Apart from the fact that Fiji provides considerable scope for the exploration of institutional economics and its applications, Fiji is a comparatively important island nation in the south-west Pacific, that is, an important member of the Pacific Island Forum grouping of 14 island nations. The recent development of Fiji has been much influenced by its social history, particularly by its institutional structures established or codified during British colonial rule. Its present racial composition is largely a product of British colonisation. of Indians brought to Fiji by the British to produce sugar cane as a contribution to the economic development of the former British Empire. In many respects, the type of global imperialism that was well established during the nineteenth century was a forerunner to modern economic globalisation which involves a mixture of free trading blocs and multilateralism. The current population mixture of Fiji consisting of about equal numbers of Indian Fijians and Indigenous Fijians has its roots in Fiji's colonial history. Furthermore, the codified systems of property rights (which largely excludes Indian Fijians from the ownership of land) was established by the British. It has been a major source of ethnic tension, and of social and political conflict in Fiji. We show that this system of property rights has had important negative consequences for economic growth in Fiji, for the economic performance of its industries, and for the conservation of its natural resources. natural resources which may not be equitable, and which also does not appear to be efficient administratively. This adds to social and political tension in Fiji.

A companion to his acclaimed work in Rewriting the Rules of the American Economy, Joseph E. Stiglitz, along with Carter Dougherty and the Foundation for European Progressive Studies, lays out the economic framework for a Europe with faster growth that is more equitably shared. Europe is in crisis. Sluggish economic growth in many countries, widespread income stagnation, and recession have led to severe political and social consequences. Social protections for citizens have been cut back. Governments offer timid responses to deep-seated problems. These economic and political failures have contributed to the rise of extremist parties on the right. Marginalized populations are being made scapegoats for Europe's woes. But the problems of today's Europe stem from decisions based on a blind worship of markets in too many areas of policy. If Europe is to return to an innovative and dynamic economy—and if there is to be shared prosperity, social solidarity, and justice—then EU countries need to break with their current, destructive trajectory. This volume offers concrete strategies for renewal that would also reinvigorate the project of European integration, with fresh ideas in the areas of both macroeconomics and microeconomics, including central banking, public investment, corporate governance and competition policy, social policy, and international trade.

This open access book offers up-to-date advice and practical guidance on how to undertake a discrete choice experiment as a tool for environmental valuation. It discusses crucial issues in designing, implementing and analysing choice experiments. Compiled by leading experts in the field, the book promotes discrete choice analysis in environmental valuation through a more solid scientific basis for research practice. Instead of providing strict guidelines, the book helps readers avoid common mistakes often found in applied work. It is based on the collective reflections of the scientific network of researchers using discrete choice modelling in the field of environmental valuation (www.envecho.com).

This open access book analyzes and seeks to consolidate the use of robust quantitative tools and qualitative methods for the design and assessment of energy and climate policies. In particular, it examines energy and climate policy performance and associated risks, as well as public acceptance and portfolio analysis in climate policy, and presents methods for evaluating the costs and benefits of flexible policy implementation as well as new framings for business and market actors. In turn, it discusses the development of alternative policy pathways and the identification of optimal switching points, drawing on concrete examples to do so. Lastly, it discusses climate change mitigation policies' implications for the agricultural, food, building, transportation, service and manufacturing sectors.

Training Resource Manual

Markets and the Environment, Second Edition

Environmental Policy Analysis for Decision Making

Towards a Sustainable Bioeconomy: Principles, Challenges and Perspectives

The Use of Economic Instruments for Environmental and Natural Resource Management

Notes and Problems

What are our obligations towards future generations who stand to be harmed by the impact of today's environmental crises? This book explores ecological sustainability as a human rights issue and examines what our long-term responsibilities might be. This interdisciplinary collection of chapters provides a basis for understanding the debates on the provision of sustainability for future generations from a diverse set of theoretical standpoints. Covering a broad range of perspectives such as risk and uncertainty, legal implementation, representation, motivation and economics, Towards the Ethics of a Green Future sets out the key questions involved in this complex ethical issue. The contributors bring theoretical discussions to life through the use of case studies and real-world examples. The book also includes clear and tangible recommendations for policymakers on how to put the suggestions proposed within the book into practice. This book will be of great interest to all researchers and students concerned with issues of sustainability and human rights, as well as scholars of environmental politics, law and ethics more generally.

Climate change is profoundly altering our world in ways that pose major risks to human societies and natural systems. We have entered the Climate Casino and are rolling the global-warming dice, warns economist William Nordhaus. But there is still time to turn around and walk back out of the casino, and in this essential book the author explains how. /DIVdiv Bringing together all the important issues surrounding the climate debate, Nordhaus describes the science, economics, and politics involved—and the steps necessary to reduce the perils of global warming. Using language accessible to any concerned citizen and taking care to present different points of view fairly, he discusses the problem from start to finish: from the beginning, where warming originates in our personal energy use, to the end, where societies employ regulations or taxes or subsidies to slow the emissions of gases responsible for climate change. /DIVdiv /DIVdiv Nordhaus offers a new analysis of why earlier policies, such as the Kyoto Protocol, failed to slow carbon dioxide emissions, how new approaches can succeed, and which policy tools will most effectively reduce emissions. In short, he clarifies a defining problem of our times and lays out the next critical steps for slowing the trajectory of global warming. /DIV

Since becoming formally established with an international academic society in the late 1980s, ecological economics has advanced understanding of the interactions between social and biophysical reality. It initially combined questioning of the basis of mainstream economics with a concern for environmental degradation and limits to growth, but has now advanced well beyond critique into theoretical, analytical and policy alternatives. Social ecological economics and transformation to an alternative future now form core ideas in an interdisciplinary approach combining insights from a range of disciplines including heterodox economics, political ecology, sociology, political science, social psychology, applied philosophy, environmental ethics and a range of natural sciences. This handbook, edited by a leading figure in the field, demonstrates the dynamism of ecological economics in a wide-ranging collection of state-of-the-art essays. Containing contributions from an array of international researchers who are pushing the boundaries of the field, the Routledge Handbook of Ecological Economics showcases the diversity of the field and points the way forward. A critical analytical perspective is combined with realism about how economic systems operate and their essential connection to the natural world and society. This provides a rich understanding of how biophysical reality relates to and integrates with social reality. Chapters provide succinct overviews of the literature covering a range of subject areas including: heterodox thought on the environment; society, power and politics, markets and consumption; value and ethics; science and society; methods for evaluation and policy analysis; policy challenges; and the future post-growth society. The rich contents dispel the myth of there being no alternatives to current economic thought and the political economy it supports. The Routledge Handbook of Ecological Economics provides a guide to the literature on ecological economics in an informative and easily accessible form. It is essential reading for those interested in exploring and understanding the interactions between the social, ecological and economic and is an important resource for those interested in fields such as: human ecology, political ecology, environmental politics, human geography, environmental management, environmental evaluation, future and transition studies, environmental policy, development studies and heterodox economics.

In today's world of scarce resources, determining the optimal allocation of funds to preventive health care interventions (PHIs) is a challenge. The upfront investments needed must be viewed as long term projects, the benefits of which we will experience in the future. The long term positive change to PHIs from economic investment can be seen across multiple sectors such as health care, education, employment and beyond. Applied Health Economics for Public Health Practice and Research is the fifth in the series of Handbooks in Health Economic Evaluation. It presents new research on health economics methodology and application to the evaluation of public health interventions. Looking at traditional as well as novel methods of economic evaluation, the book covers the history of economics of public health and the economic rationale for government investment in prevention. In addition, it looks at principles of health economics, evidence synthesis, key methods of economic evaluation with accompanying case studies, and much more. Looking to the future, Applied Health Economics for Public Health Practice and Research presents priorities for research in the field of public health economics. It acknowledges the role played by natural environment in promoting better health, and the place of genetics, environment and socioeconomic status in determining population health. Ideal for health economists, public health researchers, local government workers, health care professionals, and those responsible for health policy development. Applied Health Economics for Public Health Practice and Research is an important contribution to the economic discussion of public health and resource allocation.

The Theory and Practice of Human Rights for Future People

Recent Developments

Rewriting the Rules of the European Economy: An Agenda for Growth and Shared Prosperity

A Case Study of the Fiji Islands

Towards the Ethics of a Green Future (Open Access)

Theory and Methods

Non-market valuation is becoming increasingly accepted as an evaluative tool of economics related to environmental and resource protection. Freeman (economics, Bowdoin College) presents an overview of the literature, introducing the principal methods and techniques of resource valuation. Chapters cover the measurement of welfare changes, revealed and stated preference models, nonuse models, aggregation of values across time, environmental quality as factor input, longevity and health valuation, property value models, hedonic wage models, and recreational uses of natural resource systems. Annotation (c)2003 Book News, Inc., Portland, OR (booknews.com).

"A clear grasp of economics is essential to understanding why environmental problems arise and how we can address them. ... Now thoroughly revised with updated information on current environmental policy and real-world examples of market-based instruments The authors provide a concise yet thorough introduction to the economic theory of environmental policy and natural resource management. They begin with an overview of environmental economics before exploring topics including cost-benefit analysis, market failures and successes, and economic growth and sustainability. Readers of the first edition will notice new analysis of cost estimation as well as specific market instruments, including municipal water pricing and waste disposal. Particular attention is paid to behavioral economics and cap-and-trade programs for carbon."--Publisher's web site. Problems of climate change, biodiversity and air pollution are clearly growing globally, but more particularly in Asia because of its economic importance and richness in nature. The increasing interest in environmental and resource economics applied in regions of Asia will make this book an outstanding resource to the existing literature, particularly in the fields of environmental and resource economics and the integration of applied content in traditional and agricultural development. At present there is no single handbook or text on the state of current knowledge in environmental economics in Asia or one which offers a comprehensive guide to students and academics on the subjects of environmental economics research. This book will help to fill the gap in the existing literature.

This is a practical book with clear descriptions of the most commonly used nonmarket methods. The first chapters of the book provide the context and theoretical foundation of nonmarket valuation along with a discussion of data collection procedures. The middle chapters describe the major stated- and revealed-preference valuation methods. For each method, the steps involved in implementation are laid out and carefully explained with supporting references from the published literature. The final chapters of the book examine the relevance of experimentation to economic valuation, the transfer of existing nonmarket values to new settings, and

assessments of the reliability and validity of nonmarket values. The book is relevant to individuals in many professions at all career levels. Professionals in government agencies, attorneys involved with natural resource damage assessments, graduate students, and others will appreciate the thorough descriptions of how to design, implement, and analyze a nonmarket valuation study.

The Routledge Handbook of Environmental Economics in Asia

The New Environmental Economics

Globalisation, Transport and the Environment

In Theory and Practice

Handbook of Ecological Economics

The Economic Approach to Law, Second Edition

In this book, Jon Conrad and Colin Clark develop the theory of resource economics.

This book gathers contributions from scientists and industry representatives on achieving a sustainable bioeconomy. It also covers the social sciences, economics, business, education and the environmental sciences. There is an urgent need to optimise and maximise the use of biological resources, so that primary production and processing systems can generate more food, fibre and other bio-based products with less environmental impacts and lower greenhouse gas emissions. In other words, we need a "sustainable bioeconomy" – a term that encompasses the sustainable production of renewable resources from land, fisheries and aquaculture environments and their conversion into food, feed, fibre bio-based products and bio-energy, as well as related public goods. Despite the relevance of achieving a sustainable bioeconomy, there are very few publications in this field. Addressing that gap, this book illustrates how biological resources and ecosystems could be used in a more sustainable, efficient and integrated manner – in other words, how the principles of sustainable bioeconomy can be implemented in practice. Given its interdisciplinary nature, the field of sustainable bioeconomy offers a unique opportunity to address complex and interconnected challenges, while also promoting economic growth. It helps countries and societies to make a transition and to use resources more efficiently, and shows how to rely less on biological resources to satisfy industry demands and consumer needs. The papers are innovative, cross-cutting and include many practice-based lessons learned, some of which are reproducible elsewhere. In closing, the book, prepared by the Inter-University Sustainable Development Research Programme (IUSDRP) and the World Sustainable Development Research and Transfer Centre (WSD-RTC), reiterates the need to promote a sustainable bioeconomy today.

Master teacher Thomas J. Miceli provides an introduction to law and economics that reveals how economic principles can explain the structure of the law and make it more efficient. The third edition of this seminal textbook is thoroughly updated to include recent cases and the latest scholarship, with particular attention paid to torts, contracts, property rights, and the economics of crime. A new chapter organization, ideal for quarter- or semester-long courses, strengthens the book's focus on unifying themes in the field. As Miceli tells a cohesive, analytical "story" about law from a distinctly economic perspective, exercises and problems encourage students to deepen their knowledge. A companion website is available at <http://www.sup.org/economiclaw>. It offers a full suite of resources for both students and professors. Key pedagogical features include cases; discussion points that provide additional analysis of topics in the book; graduate notes, which enrich the text for more advanced readers; and relevant links. Professors have access to sample syllabi for undergraduate and graduate courses and an instructor's manual, which provides answers to all of the end-of-chapter questions and problems in the book.

This Handbook provides an overview of major current debates, trends and perspectives in ecological economics. It covers a wide range of issues, such as the foundations of ecological economics, deliberative methods, the de-growth movement, ecological macroeconomics, social metabolism, environmental governance, consumer studies, knowledge systems and new experimental approaches. Written by leading authors in their respective areas of specialisation, the contributions systematize the "state of the art" in the selected topics, and draw insights about new knowledge frontiers.

Risk, Uncertainty, and Economics for a Warming World

The Measurement of Environmental and Resource Values

Statistics for Business and Economics, EPub, Global Edition

Cost-Benefit Analysis and the Environment Recent Developments

Tackling Long-Term Global Energy Problems

Shock Waves

1. ENVIRONMENTAL POLICY ANALYSIS: WHAT AND WHY? Why environmental policy analysis? Environmental issues are growing in visibility in local, national, and world arenas, as a myriad of human activities leads to increased impacts on the natural world. Issues such as climate change, endangered species, wilderness protection, and energy use are regularly on the front pages of newspapers. Governments at all levels are struggling with how to address these issues. Environmental policy analysis is intended to present the environmental and social impacts of policies, in the hope that better decisions will result when people have better information on which to base those decisions. Conducting environmental policy analysis requires people who understand what it is and how to do it. Interpreting it also requires those skills. We hope that this book will increase the abilities, both of analysts and of decision-makers, to understand and interpret the impacts of environmental policies. Policy analysis books almost invariably begin by pointing out that policy analysis can take many forms. This book is no different. As you will see in Chapter 1, we consider policy analysis to be information provided for the policy process. That information can take many forms, from sophisticated empirical analysis to general theoretical results, from summary statistics to game theoretic strategies.

An in-depth assessment of the most recent conceptual and methodological developments in cost-benefit analysis and the environment.

Intermediate Environmental Economics has established itself as one of the field's most authoritative texts, as well as one of the more challenging. It distinguishes itself from other books by presupposing that readers already have an understanding of intermediate microeconomics. Thus, this book concentrates only on environmental economics-problems of pollution of earth, air, and water-with an emphasis on regulation and private-sector anti-pollution incentives, and coverage of international examples.

Nutrient recycling, habitat for plants and animals, flood control, and water supply are among the many beneficial services provided by aquatic ecosystems. In making decisions about human activities, such as draining a wetland for a farming development, it is essential to consider both the value of the development and the value of the ecosystem services that could be lost. Despite a growing recognition of the importance of ecosystem services, their value is often overlooked in environmental decision-making. This report identifies methods for assigning economic value to ecosystem services—even intangible ones—and calls for greater collaboration between ecologists and economists in such efforts.

Methodological Issues and Case Studies

Natural Resource Economics

Fiscal Policies for Development and Climate Action

Energy and Environment

National Strategy and Policy Options

Routledge Handbook of Ecological Economics

Environmental Economics, has established itself as one of its field's most authoritative texts, as well as one of the more challenging. It distinguishes itself from other books by presupposing that readers already have an understanding of intermediate microeconomics. Thus, this book concentrates only on environmental economics - problems of pollution of earth, air, and water - with an emphasis on regulation and private-sector anti-pollution incentives, and coverage of international examples.

This book looks in detail at how globalisation has affected activity levels in maritime shipping, aviation, and road and rail freight, and assesses the impact that changes in activity levels have had on the environment.

REDD+ must be transformational. REDD+ requires broad institutional and governance reforms, such as tenure, decentralisation, and corruption control. These reforms will enable departures from business as usual, and involve communities and forest users in making and implementing policies that affect them. Policies must go beyond forestry. REDD+ strategies must include policies outside the forestry sector narrowly defined, such as agriculture and energy, and better coordinate across sectors to deal with non-forest drivers of deforestation and degradation. Performance-based payments are key, yet limited. Payments based on performance directly incentivise and compensate forest owners and users. But schemes such as payments for environmental services (PES) depend on conditions, such as secure tenure, solid carbon data and transparent governance, that are often lacking and take time to change. This constraint reinforces the need for broad institutional and policy reforms. We must learn from the past. Many approaches to REDD+ now being considered are similar to previous efforts to conserve and better manage forests, often with limited success. Taking on board lessons learned from past experience will improve the prospects of REDD+ effectiveness. National circumstances and uncertainty must be factored in. Different country contexts will create a variety of REDD+ models with different institutional and policy mixes. Uncertainties about the shape of the future global REDD+ system, national readiness and political consensus require flexibility and a phased approach to REDD+ implementation.

Too often, economics disassociates humans from nature, the economy from the biosphere that contains it, and sustainability from fairness. When economists do engage with environmental issues, they typically reduce their analysis to a science of efficiency that leaves aside issues of distributional analysis and justice. The aim of this lucid textbook is to provide a framework that prioritizes human well-being within the limits of the biosphere, and to rethink economic analysis and policy in the light of not just efficiency but equity. Leading economist Éloi Laurent systematically ties together sustainability and justice issues in covering a wide range of topics, from biodiversity and ecosystems, energy and climate change, environmental health and environmental justice, to new indicators of well-being and sustainability beyond GDP and growth, social-ecological transition, and sustainable urban systems. This book equips readers with ideas and tools from various disciplines alongside economics, such as history, political science, and philosophy, and invites them to apply those insights in order to understand and eventually tackle pressing twenty-first-century challenges. It will be an invaluable resource for students of environmental economics and policy, and sustainable development.

Guidance on Design, Implementation and Data Analysis

Environmental Economics

Sustainability and Justice

The Economics of the Environment and Natural Resources

The Economics of Ecosystems and Biodiversity: Ecological and Economic Foundations

The Contribution of Social Science

Ending poverty and stabilizing climate change will be two unprecedented global achievements and two major steps toward sustainable development. But the two objectives cannot be considered in isolation: they need to be jointly tackled through an integrated strategy. This report brings together those two objectives and explores how they can more easily be achieved if considered together. It examines the potential impact of climate change and climate policies on poverty reduction. It also provides guidance on how to create a "win-win" situation so that climate change policies contribute to poverty reduction and poverty-reduction policies contribute to climate change mitigation and resilience building. The key finding of the report is that climate change represents a significant obstacle to the sustained eradication of poverty, but future impacts on poverty are determined by policy choices: rapid, inclusive, and climate-informed development can prevent most short-term impacts whereas immediate pro-poor, emissions-reduction policies can drastically limit long-term ones.

Understanding Risks and Uncertainties in Energy and Climate Policy

Environmental Valuation with Discrete Choice Experiments

Managing the Impacts of Climate Change on Poverty

The British National Bibliography