

## Human Dimensions Of Changing Environment Springer

Global environmental change often seems to be the most carefully examined issue of our time. Yet understanding the human side--human causes of and responses to environmental change--has not yet received sustained attention. *Global Environmental Change* offers a strategy for combining the efforts of natural and social scientists to better understand how our actions influence global change and how global change influences us. The volume is accessible to the nonscientist and provides a wide range of examples and case studies. It explores how the attitudes and actions of individuals, governments, and organizations intertwine to leave their mark on the health of the planet. The book focuses on establishing a framework for this new field of study, identifying problems that must be overcome if we are to deepen our understanding of the human dimensions of global change, presenting conclusions and recommendations.

The need for research on the human dimensions of global environmental change; The earth system; Natural physical systems; Biogeochemical cycles; Climate system; Disturbance in natural physical systems and their potential effects; Climate change; Stratospheric ozone depletion; Acid deposition; Loss of biodiversity; Human systems: activities contributing to global environmental change; Fossil fuel consumption; Biomass fuel consumption; Land use change; Agricultural activities; Halocarbon production and release; A framework for research; Emphases of research; Aims of research; Social dimensions of resource use; Perception and assessment of global environmental conditions and change; Impacts of local, national and international social, economic and political structures and institutions; Land use; Energy production and consumption; Industrial growth; Environmental security and sustainable development; Conceptual and methodological developments required for the study of global environmental change; Preliminary explorations of relationships; Data collection and management; Challenges for the social sciences.

The initial planning effort; A consensus on topics and structures; Readiness and ongoing preparatory work; Human Dimensions of Global Environmental Changes; Next steps; Observation and monitoring; Process studies; The necessity of a strategic orientation.

When it comes to implementing successful ecological restoration projects, the social, political, economic, and cultural dimensions are often as important as--and sometimes more important than--technical or biophysical knowledge. *Human Dimensions of Ecological Restoration* takes an interdisciplinary look at the myriad human aspects of ecological restoration. In twenty-six chapters written by experts from around the world, it provides practical and theoretical information, analysis, models, and guidelines for optimizing human involvement in restoration projects. Six categories of social activities are examined: collaboration between land manager and stakeholders ecological economics volunteerism and community-based restoration environmental education ecocultural and artistic practices policy and politics For each category, the book offers an introductory theoretical chapter followed by multiple case studies, each of which focuses on a particular aspect of the category and provides a perspective from within a unique social/political/cultural setting. *Human Dimensions of Ecological Restoration* delves into the often-

neglected aspects of ecological restoration that ultimately make the difference between projects that are successfully executed and maintained with the support of informed, engaged citizens, and those that are unable to advance past the conceptual stage due to misunderstandings or apathy. The lessons contained will be valuable to restoration veterans and greenhorns alike, scholars and students in a range of fields, and individuals who care about restoring their local lands and waters.

This book provides both the conceptual basis and technological tools that are necessary to identify and solve problems related to biodiversity governance. The authors discuss intriguing evolutionary questions, which involve the sometimes surprising adaptive capacity of certain organisms to dwell in altered and/or changing environments that apparently lost most of their structure and functionality. Space and time heterogeneities are considered in order to understand the patterns of distribution and abundance of species and the various processes that mold them. The book also discusses at which level—from genes to the landscape, including individuals, populations, communities, and ecosystems—men should intervene in nature in order to prevent the loss of biodiversity.

Asia and the Pacific continues to be exposed to climate change impacts. Home to the majority of the world's poor, the population of the region is particularly vulnerable to those impacts. Unabated warming could largely diminish previous achievements of economic development and improvements, putting the future of the region at risk. Read the most recent projections pertaining to climate change and climate change impacts in Asia and the Pacific, and the consequences of these changes to human systems, particularly for developing countries. This report also highlights gaps in the existing knowledge and identifies avenues for continued research.

This publication is extracted from a much larger report, *Global Environmental Change: Research Pathways for the Next Decade*, which addresses the full range of the scientific issues concerning global environmental change and offers guidance to the scientific effort on these issues in the United States. This volume consists of Chapter 7 of that report, "Human Dimensions of Global Environmental Change," which was written for the report by the Committee on the Human Dimensions of Global Change of the National Research Council (NRC). It provides findings and conclusions on the key scientific questions in human dimensions research, the lessons that have been learned over the past decade, and the research imperatives for global change research funded from the United States.

Winner of The Wildlife Society's 2009 Wildlife Publication Award for outstanding edited book *As human populations around the world continue to expand, reconciling nature conservation with human needs and aspirations is imperative. The emergence in recent decades of the academic field of human dimensions of fish and wildlife management is a proactive response to this complex problem. Wildlife and Society brings together leading researchers in the range of specialties that are relevant to the study of human dimensions of fish and wildlife work around the globe to provide theoretical and historical context as well as a demonstration of tools, methodologies, and idea-sharing for practical implementation and integration of practices. Chapters document the progress on key issues and offer a multifaceted presentation of this truly interdisciplinary field. The book*

- presents an overview of the changing culture of fish and wildlife management;
- considers social factors creating change in fish and wildlife conservation;
- explores how to build the social component into the philosophy of wildlife

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management; • discusses legal and institutional factors; • examines social perspectives on contemporary fish and wildlife management issues. *Wildlife and Society* is uniquely comprehensive in its approach to presenting the past, present, and future of human dimensions of fish and wildlife research and application. It offers perspectives from a wide variety of academic disciplines as well as presenting the views of practitioners from the United States, Europe, Africa, and Latin America. It is an important new reference for anyone concerned with fish and wildlife management or environmental conservation and protection.

A study that lays the foundation for cumulative research on the roles institutions play in causing and confronting environmental changes.

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