

1. Record Nr.	UNINA9910826068303321
Titolo	Global environmental change : understanding the human dimensions / / Paul C. Stern, Oran R. Young, and Daniel Druckman, editors ; Committee on the Human Dimensions of Global Change, Commission on the Behavioral and Social Sciences and Education, National Research Council
Pubbl/distr/stampa	Washington, DC, : National Academy Press, 1992
ISBN	1-280-20374-9 9786610203741 0-309-58342-X 0-585-15876-2
Edizione	[1st ed.]
Descrizione fisica	1 online resource (ix, 308 pages) : illustrations
Altri autori (Persone)	SternPaul C. <1944-> YoungOran R DruckmanDaniel <1939->
Disciplina	363.7
Soggetti	Nature - Effect of human beings on Human ecology - Research Global environmental change Environmental protection - Research Environmental policy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (p. 257-292) and index.
Nota di contenuto	GLOBAL ENVIRONMENTAL CHANGE -- Copyright -- Preface -- Contents -- Summary -- HUMAN CAUSES OF GLOBAL CHANGE -- HUMAN CONSEQUENCES OF GLOBAL CHANGE -- PROBLEMS OF THEORY AND METHOD -- DATA NEEDS -- HUMAN RESOURCES AND ORGANIZATIONAL REQUIREMENTS -- RECOMMENDATIONS FOR A NATIONAL RESEARCH PROGRAM -- 1 Prologue -- THREE GLOBAL CHANGES -- GREENHOUSE GASES AND CLIMATE CHANGE -- CHLOROFLUOROCARBONS AND THE STRATOSPHERIC OZONE LAYER -- AMAZONIAN DEFORESTATION AND THE LOSS OF BIOLOGICAL DIVERSITY -- IMPLICATIONS -- ORGANIZATION OF THE BOOK -- 2 Global Change and Social Science -- GLOBAL CHANGE AND ENVIRONMENTAL SYSTEMS

-- TRENDS IN GLOBAL CHANGE -- CHARACTERISTICS OF ENVIRONMENTAL SYSTEMS -- ENVIRONMENTAL SYSTEMS AND HUMAN SYSTEMS -- QUESTIONS FOR NATURAL SCIENCE, QUESTIONS FOR SOCIAL SCIENCE -- CONTRIBUTIONS FROM SOCIAL SCIENCE -- KNOWLEDGE BASE OF ENVIRONMENTAL SOCIAL SCIENCE -- SETTING PRIORITIES FOR SOCIAL SCIENCE RESEARCH -- CONCLUSION -- 3

Human Causes of Global Change -- IDENTIFYING THE MAJOR PROXIMATE CAUSES -- A TREE-STRUCTURED ACCOUNTING SYSTEM -- LIMITATIONS OF TREE-STRUCTURED ACCOUNTING -- EXPLAINING THE PROXIMATE CAUSES: THREE CASES -- THE AMERICAN REFRIGERATION INDUSTRY -- COAL COMBUSTION IN CHINA -- Causes of Present Coal Burning -- Determinants of Future Coal Burning -- FOREST CLEARING IN THE AMAZON BASIN -- Causes of Deforestation -- Alternative Futures for Amazonia -- EXPLAINING THE PROXIMATE CAUSES: SOCIAL DRIVING FORCES -- POPULATION GROWTH -- Research Needs -- ECONOMIC GROWTH -- Research Needs -- TECHNOLOGICAL CHANGE -- Research Needs -- POLITICAL-ECONOMIC INSTITUTIONS -- Research Needs -- ATTITUDES AND BELIEFS -- Research Needs -- CONCLUSIONS -- THE PROXIMATE CAUSES -- SOCIAL DRIVING FORCES -- IMPLICATIONS FOR RESEARCH -- NOTES -- 4 Human Consequences and Responses -- UNDERSTANDING HUMAN CONSEQUENCES. SOME DIMENSIONS OF HUMAN RESPONSE -- Responses to Experienced Versus Anticipated Change -- Deliberate Responses Versus Actions with Incidental Effects -- Coordinated Versus Uncoordinated Responses -- Interventions at Different Points in the Process -- THE PIVOTAL ROLE OF CONFLICT -- A Current Controversy: To Mitigate or Not to Mitigate? -- Implications of Conflict About Human Response -- HUMAN RESPONSE: THREE CASES -- INTERNATIONAL REGULATION OF OZONE-DEPLETING GASES -- THE U.S. ENERGY CONSERVATION ACHIEVEMENTS OF 1973-1985 -- Preexisting Trends -- Uncoordinated Responses to Recent Events -- Policy Responses and Implementation -- Implications for Future Climate Change -- THE HUMAN CONSEQUENCES OF REGIONAL DROUGHT IN THE SAHEL -- Different Droughts, Different Responses -- Relationship of Policy to Indigenous Response Systems -- SEVEN HUMAN SYSTEMS -- INDIVIDUAL PERCEPTION, JUDGMENT, AND ACTION -- Individual Judgment and Choice -- Aggregated Individual Responses -- Individuals as Social and Political Actors -- MARKETS -- SOCIOCULTURAL SYSTEMS -- Indigenous Sociocultural Systems of Adaptation to Environment -- Social Bonds and Responses to Environmental Change -- ORGANIZED RESPONSES OUTSIDE GOVERNMENT -- Communities -- Social Movements -- Corporations and Trade and Industry Associations -- NATIONAL POLICY -- National Differences in Environmental Policy -- The Environmental Decision-Making Process -- INTERNATIONAL COOPERATION -- GLOBAL SOCIAL CHANGE -- CONCLUSIONS -- THE KNOWLEDGE BASE FOR HUMAN RESPONSES IS INHERENTLY VALUE LADEN -- HUMAN RESPONSES MUST BE ASSESSED AGAINST A CHANGING BASELINE -- HUMAN RESPONSE CAN INVOLVE INTERVENTION ANYWHERE IN THE CYCLE OF CAUSATION -- HUMAN RESPONSES AFFECT THE DRIVING FORCES OF GLOBAL CHANGE -- NOTES -- 5 Problems of Theory and Method -- INTERDISCIPLINARY COLLABORATION. WHY GLOBAL CHANGE RESEARCH NEEDS SOCIAL SCIENCE -- WHY RESEARCH ON THE HUMAN DIMENSIONS OF GLOBAL CHANGE NEEDS NATURAL SCIENCE -- INTERDISCIPLINARY COMMUNICATION IN THE SOCIAL SCIENCES -- PROBLEMS OF THEORY CONSTRUCTION -- IDENTIFYING KEY RELATIONSHIPS AND INTERDEPENDENCIES -- Research Needs -- UNDERSTANDING NONLINEARITIES -- Research Needs -- UNDERSTANDING SOCIAL IRREVERSIBILITY -- Research Needs

-- DEVELOPING APPROPRIATE ANALYSES FOR THE TIME SCALE OF DECADES TO CENTURIES -- Research Needs -- ANALYZING THE SPATIAL SCALES OF HUMAN ACTIVITY -- Research Needs -- DEALING WITH THE PROBLEM OF REFLEXIVITY -- Research Needs -- SELECTING APPROPRIATE METHODS -- METHODS FOR IMPROVING UNDERSTANDING -- METHODS FOR INFORMING CHOICE -- Social Impact Assessment Methodology -- Methods for Valuation -- The Appropriate Uses of Research -- CONCLUSIONS -- INTERDISCIPLINARY COLLABORATION IS ESSENTIAL -- NEW THEORETICAL TOOLS ARE REQUIRED -- METHODOLOGICAL PLURALISM IS THE MOST APPROPRIATE STRATEGY -- POST HOC ANALYSES ARE ESSENTIAL FOR EVALUATING HUMAN RESPONSES -- 6 Data Needs -- THREE HYPOTHETICAL RESEARCH PROJECTS -- CAUSES OF GLOBAL WARMING: A CROSS-NATIONAL STUDY -- Dependent variables -- Independent variables -- HUMAN CONSEQUENCES OF DEPLETION OF STRATOSPHERIC OZONE -- ECONOMIC AND NONECONOMIC FORCES CAUSING LOSS OF BIOLOGICAL DIVERSITY -- DATA AVAILABILITY -- WHAT IS AVAILABLE -- AN INFORMATION NETWORK -- COSTS OF DATA -- QUALITY AND INTERPRETABILITY OF DATA -- PROBLEMS OF RELIABILITY AND VALIDITY -- RESEARCH ON MEASUREMENT PROBLEMS -- DATA COLLECTION NEEDS -- ANALYTICAL DATA AND ACCOUNTING -- SAMPLING NATIONS -- INTENSIVE LOCAL DATA COLLECTION -- 7 Human Resources And Organizational Structures -- INSTITUTIONAL STRUCTURES -- NATIONAL CENTERS FOR RESEARCH -- TRAINING -- INSTITUTIONALIZING COOPERATIVE RESEARCH. ORGANIZATION BARRIERS TO RESEARCH IN THE FEDERAL GOVERNMENT -- CONCLUSION -- 8 A National Research Program On The Human Dimensions Of Global Change -- OVERARCHING ISSUES -- RESEARCH PRIORITIES -- DATA NEEDS -- HUMAN RESOURCES AND ORGANIZATION -- FUNDING -- References -- Index.

---