# CONTENTS OF THE HANDBOOK

## VOLUME 1

# ENVIRONMENTAL DEGRADATION AND INSTITUTIONAL RESPONSES

Perspectives on Environmental Economics

Chapter 1

Geophysical and Geochemical Aspects of Environmental Degradation BERT BOLIN

Chapter 2

**Ecosystem Dynamics** 

SIMON A. LEVIN and STEPHEN W. PACALA

Chapter 3

Property Rights, Public Goods and the Environment DAVID A. STARRETT

Chapter 4

Economics of Common Property Management Regimes JEAN-MARIE BALAND and JEAN-PHILIPPE PLATTEAU

Chapter 5

Population, Poverty, and the Natural Environment PARTHA DASGUPTA

Chapter 6

The Theory of Pollution Policy
GLORIA E. HELFAND, PETER BERCK and TIM MAULL

Chapter 7

Mechanism Design for the Environment SANDEEP BALIGA and ERIC MASKIN

Chapter 8

The Political Economy of Environmental Policy WALLACE E. OATES and PAUL R. PORTNEY

Chapter 9

Experience with Market-Based Environmental Policy Instruments ROBERT N STAVINS

Chapter 10

Experimental Evaluations of Policy Instruments PETER BOHM

Chapter 11

Technological Change and the Environment
ADAM B. JAFFE, RICHARD G. NEWELL and ROBERT N. STAVINS

#### **VOLUME 2**

## VALUING ENVIRONMENTAL CHANGES

Chapter 12

Welfare Theory and Valuation
NANCY E. BOCKSTAEL and A. MYRICK FREEMAN III

Chapter 13

Environment, Uncertainty, and Option Values KARL-GÖRAN MÄLER and ANTHONY FISHER

Chapter 14

Valuing the Environment as a Factor of Production KENNETH E. MCCONNELL and NANCY E. BOCKSTAEL

Chapter 15

Recreation Demand Models
DANIEL J. PHANEUF and V. KERRY SMITH

Chapter 16

Property Value Models RAYMOND B. PALMQUIST

Chapter 17

Contingent Valuation
RICHARD T. CARSON and W. MICHAEL HANEMANN

Chapter 18

Cognitive Processes in Stated Preference Methods BARUCH FISCHHOFF

Chapter 19

Experimental Methods and Valuation

JASON F. SHOGREN

Chapter 20

Quantifying and Valuing Environmental Health Risks

W. KIP VISCUSI and TED GAYER

#### VOLUME 3

# ECONOMYWIDE AND INTERNATIONAL ENVIRONMENTAL ISSUES

Chapter 21

Intertemporal Welfare Economics and the Environment GEOFFREY HEAL.

Chapter 22

National Income and the Environment

GEOFFREY HEAL and BENGT KRISTRÖM

Chapter 23

Economic Growth and the Environment

ANASTASIOS XEPAPADEAS

Chapter 24

CGE Modeling of Environmental Policy and Resource Management

LARS BERGMAN

Chapter 25

Calculating the Costs of Environmental Regulation

WILLIAM A. PIZER and RAYMOND KOPP

Chapter 26

Environmental Implications of Non-environmental Policies

ANIL MARKANDYA

Chapter 27

International Trade, Foreign Investment, and the Environment

MICHAEL RAUSCHER

Chapter 28

The Theory of International Environmental Agreements

SCOTT BARRETT

Chapter 29

The Economics of Biodiversity
STEPHEN POLASKY, CHRISTOPHER COSTELLO and ANDREW SOLOW

Chapter 30
The Economics of Climate Policy

CHARLES D. KOLSTAD and MICHAEL TOMAN