

The Economics of Climate Change Policy

International, National and Regional Mitigation Strategies

Adam Rose, University of Southern California, US

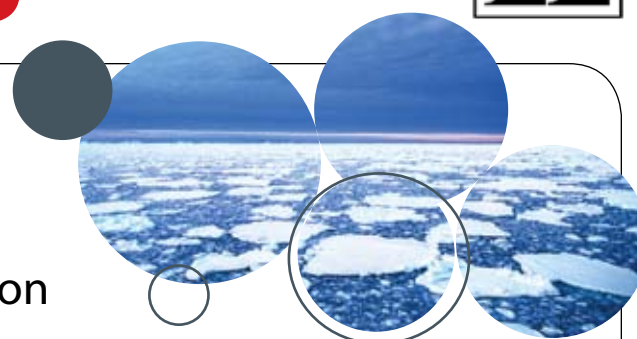
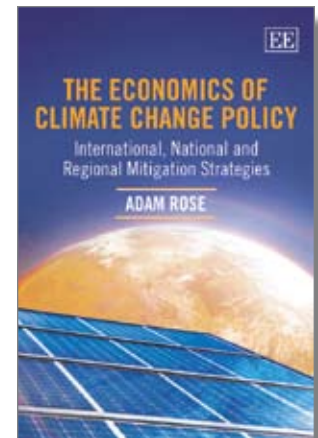
This important collection embodies the author's pioneering and on-going efforts to incorporate equity and efficiency principles into the economics of climate change policy. It represents a valuable compendium of work, both previously published and original, the range of which is not otherwise readily accessible.

Adam Rose was one of the first both to identify the central role of equity among nations and regions in addressing greenhouse gas (GHG) mitigation and to quantify many equity principles so they could be incorporated into formal models. Comprising classic explorations into GHG emission trading design with respect to burden-sharing, borrowing and banking, and political constraints, the papers contained in this volume provide guidance on coalition choices for individual states of the US and partnership choices for developing countries involved in the Clean Development Mechanism today and in emission allowance trading in the future. The impacts of mitigation policy across industries and socioeconomic groups are also analysed, using computable general equilibrium models to examine the economic implications of carbon taxes, fuel taxes, tradable emission permits, and strict regulation. In addition, the book establishes a firm grounding for policy analysis by providing a basic understanding of the carbon cycle, drivers of GHG emissions, and some economic impacts of climate change.

The Economics of Climate Change Policy will be of great interest and value to academics and students of environmental economics and policy and will be welcomed by environmental policy-makers involved in climate change issues at the local, regional, national and international level.

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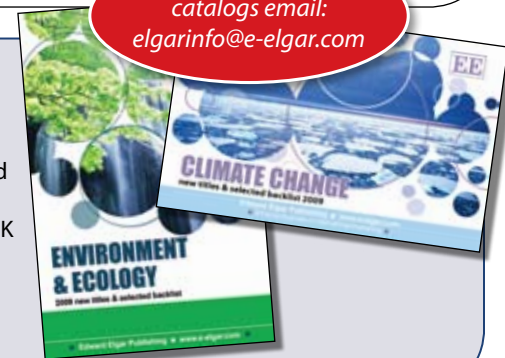


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Introduction: A Personal, Professional and Policy Odyssey

PART I: INTRODUCTION AND OVERVIEW

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The Economics of Climate. On the cover. Time is running out to save our planet, and everyone has a responsibility to act. Illustrator Davide Bonazzi's December 2019 cover likens the threat of climate change to the closing jaws of a crocodile, shown in silhouette against a steadily warming earth. 2 FINANCE & DEVELOPMENT | December 2019. FINANCE & DEVELOPMENT A Quarterly Publication of the International Monetary Fund. Governments can roll out policies to fight climate change and the destruction of nature, for example, through promotion of clean-technology research and development. Change must begin now, and it must encompass us all. The youth of today understand this—think about courageous young people like Greta Thunberg and others like her. Data and research on climate change including adaptation, climate finance, international climate framework, carbon markets, UNFCCC, cities, flood risk, Climate Change Expert Group (CCXG). , Against the background of a projected doubling of world greenhouse gas emissions by mid-century, this book explores feasible ways to abate them at least cost. OECD Home Environment Directorate Climate change The Economics of Climate Change Mitigation: Policies and Options for Global Action Beyond 2012. Climate change. The Economics of Climate Change Mitigation: Policies and Options for Global Action Beyond 2012. Executive Summary | Table of Contents | Key Facts & Figures | Policy Brief. How to obtain this publication | Additional Information. This article is about the economics of climate change mitigation. Mitigation of climate change involves actions that are designed to limit the amount of long-term global warming. Mitigation may be achieved through the reduction of greenhouse gas (GHG) emissions or through the enhancement of sinks that absorb GHGs, for example forests. In this article, the phrase "climate change" is used to describe a change in the climate, measured in terms of its statistical properties, e.g., the global mean surface