

COPING WITH THE CLIMATE CRISIS

Mitigation Policies and
Global Coordination

EDITED BY

Rabah Arezki,
Patrick Bolton,
Karim El Aynaoui,
and Maurice Obstfeld



Contents

Foreword

Nizar Baraka, President of the Scientific Committee of COP22

Acknowledgments

1. Introduction

Rabah Arezki, Patrick Bolton, Karim El Aynaoui, and Maurice Obstfeld

Part I. The Energy Transition and Its Consequences

2. Reducing Energy Greenhouse Gas Emissions to Meet our Climate Goals: An Overview

Philippe Benoit, International Energy Agency

3. Transitional Risks and the Safe Carbon Budget

Rick van der Ploeg, University of Oxford

Part II. Carbon Pricing and Dealing with Uncertainty

4. Fighting climate change and the social cost of carbon

Christian Gollier, Toulouse School of Economics

5. How Should Countries Price Fossil Fuels?

Ian Parry, International Monetary Fund

6. Should carbon pricing be different across countries?

Katheline Schubert, Paris School of Economics

7. Needed: Robustness in Climate Economics

Ted Loch-Temzelides, Rice University

Part III. Implementing Climate Agreements

8. Improving Paris: Credibility, Technology, and Conservation
Bård Harstad, University of Oslo
9. Can a Uniform Carbon-Price Commitment Help to Resolve the Global Warming Problem?
Martin Weitzman, Harvard University
10. Climate Change: What Can the IMF do?
Maurice Obstfeld, International Monetary Fund
11. Post-Paris Clean Energy Options for China
Ujjayant Chakravorty, Tufts University, Carolyn Fischer, Resource for the Future, and Marie-Helene Hubert, University of Rennes I

Part IV. Finance and Sustainable Infrastructure

12. Financing Sustainable Infrastructure
Thierry Deau and Julien Touati, both Meridiam
13. Climate Change: Leveraging the Financial Sector as a Driver for Change
Jean Boissinot, Direction General du Trésor, and Frédéric Samama, Amundi