

1. Record Nr.	UNINA9910829585603321
Autore	Winkler Harald
Titolo	Taking action on climate change [[electronic resource]] : long term mitigation scenarios for South Africa / / by Harald Winkler
Pubbl/distr/stampa	Claremont, South Africa, : UCT Press, c2010
ISBN	1-77582-175-7 1-920499-41-5
Descrizione fisica	1 online resource (246 p.)
Disciplina	363.7387460968
Soggetti	Climatic changes - South Africa Greenhouse gas mitigation - South Africa Greenhouse gas mitigation - Government policy - South Africa Carbon dioxide mitigation - South Africa Carbon dioxide mitigation - Government policy - South Africa
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Copyright; Contents; List of tables; List of figures; Acronyms, abbreviations and units; Acknowledgement; Chapter One: Introduction; Why a Long Term Mitigation Scenario process?; The story of LTMS; Reasons for action and concern; Chapter Two: Developing a model of GHG emissions; Methodology for modelling emissions; Energy modelling; Industrial process emissions; Non-energy emissions in waste, agriculture and land use; Costs of mitigation; Drivers of emissions and costs; Constraints; Chapter Three: The Gap: Where emissions are going and need to go; Growth without Constraints (GWC) Required by Science (RBS)The gap between Growth without Constraints and Required by Science; Chapter Four: Taking action on mitigation; Mitigation actions in the energy sector; Mitigation actions in the non-energy sectors; Mitigation actions: Economic instruments; Specifications of mitigation actions in summary; Chapter Five: Emission reductions and costs in summary; Summary of mitigation options and costs; The mitigation cost curve; Adding up costs as a share of GDP; Chapter Six: Strategic options for South Africa; Start Now; Scale Up; Use the Market; Reach for the Goal

Economy-wide implications of strategic optionsChapter Seven:
Sensitivity analysis; Sensitivity to energy prices; Sensitivity to GDP;
Sensitivity to discount rate; Chapter Eight: Conclusion: The challenge
ahead; The gap; Next steps identified in the technical work; The
national response to the LTMS; The LTMS impact internationally - going
far fast; References; Index; Back Cover

Sommario/riassunto

This book is based on scenarios developed for the South African
Department of Environment that will reduce greenhouse gas emissions
and form the basis for a national, long-term climate policy. The
strategic options outlined in the book will enable South Africa to turn
climate change mitigation into a pro-growth, pro-job and pro-
development strategy for the future, and points the way for other
developing countries.
