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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 options  
Chapter 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

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### 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.

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