

Contents

<i>List of figures</i>	vii
<i>List of tables and boxes</i>	ix
<i>List of contributors</i>	xii
<i>Preface, by Carlo Carraro</i>	xiv

<i>Foreword: Bridging physical and socio-economic research in the Mediterranean basin, by Gérard Begni</i>	xv
--	----

PART I INTRODUCTION

Introduction	3
<i>C. Giupponi and M. Shechter</i>	

PART II THE ISSUES: SOCIO-ECONOMIC IMPACTS, VULNERABILITY AND ADAPTATION

1. Recent economic insights into the impacts of climate change	15
<i>R.S.J. Tol, S. Fankhauser, O.J. Kuik and J.B. Smith</i>	
2. Adaptation to climate variability and change: what is optimal and appropriate?	32
<i>R.J.T. Klein</i>	

PART III CLIMATE CHANGE AND MEDITERRANEAN WATER RESOURCES

3. Climate change and water resources in the Middle East: vulnerability, socio-economic impacts and adaptation	53
<i>M. El-Fadel and E. Bou-Zeid</i>	
4. Water availability for agriculture under climate change: understanding adaptation strategies in the Mediterranean	75
<i>A. Iglesias, M.N. Ward, M. Menendez and C. Rosenzweig</i>	
5. The impacts of climate change on water resources of Lebanon – Eastern Mediterranean	94
<i>M.R. Khawlie</i>	

6. Economic impacts of hydrological droughts under climate change scenarios 108
E. Iglesias Martínez, A. Gómez Ramos and A. Garrido Colmenero

PART IV CLIMATE CHANGE AND MEDITERRANEAN LAND USES

7. What future for Mediterranean agriculture? A proposal to integrate socio-economics in climate change scenarios 133
P. Rosato and C. Giupponi
8. Development of a Decision Support System for the integrated assessment of policies related to desertification and land degradation in the Mediterranean 159
G. Engelen
9. Climate change and agriculture: an Israeli perspective 196
N. Yehoshuar and M. Shechter
10. Assessing the ancillary socio-economic benefits of mitigating greenhouse gases from municipal solid waste management 213
O. Ayalon, M. Shechter and Y. Avnimelech

PART V CLIMATE CHANGE AND MEDITERRANEAN COASTAL AREAS

11. Assessing the impacts of climatic change in the Mediterranean coastal zones 225
D.G. Georgas
12. Climate change and coastal zones: an overview of the state-of-the-art on regional and local vulnerability assessment 245
H. Sterr, R.J.T. Klein and S. Reese
13. Impacts of climate change on tourism in the Mediterranean: adaptive responses 279
A. Perry
14. Sensitivity of tourist destination choice to climate 290
W. Lise and R.S.J. Tol
- Index* 319