# Climate Change Management

**Series Editor**

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The aim of this book series is to provide an authoritative source of information on climate change management, with an emphasis on projects, case studies and practical initiatives – all of which may help to address a problem with a global scope, but the impacts of which are mostly local. As the world actively seeks ways to cope with the effects of climate change and global warming, such as floods, droughts, rising sea levels and landscape changes, there is a vital need for reliable information and data to support the efforts pursued by local governments, NGOs and other organizations to address the problems associated with climate change. This series welcomes monographs and contributed volumes written for an academic and professional audience, as well as peer-reviewed conference proceedings. Relevant topics include but are not limited to water conservation, disaster prevention and management, and agriculture, as well as regional studies and documentation of trends. Thanks to its interdisciplinary focus, the series aims to concretely contribute to a better understanding of the state-of-the-art of climate change adaptation, and of the tools with which it can be implemented on the ground.

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Editors

# Climate Change in the Mediterranean and Middle Eastern Region

Springer

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# Preface

Climate change is having a much greater impact in the Mediterranean than the global average. In the Paris Climate Agreement, the UN member states pledged to stop global warming at well below two degrees, if possible at 1.5 degrees. This mark, which is expected elsewhere only for 2030 to 2050, has already been reached in the region. The situation could worsen in the coming years if the global community does not limit its emissions.

The above state of affairs illustrates the need for a better and more holistic understanding of how climate change affects countries in the Mediterranean region on the one hand, but also on the many problems it faces on the other, which prevent adaptation efforts. There is also a perceived need to showcase successful examples of how to duly address and manage the many social, economic and political problems posed by climate change in the region, in order to replicate and even upscale the successful approaches used.

It is against this background that the book *Climate Change in the Mediterranean and Middle Eastern Region* has been produced. It contains papers prepared by scholars, practitioners and members of governmental agencies, undertaking research and/or executing climate change projects, and working across the region. It serves the purpose of showcasing some of the works in respect of applied research, field projects and best practice to foster climate change adaptation across the region.

This book is structured in two main parts.

Climate Change Models and Impacts
Climate Change Adaptation and Resilience Initiatives

We would like to thank all the authors and reviewers for making available their experience in their chapters and the willingness to share their ideas. Much can be gained by offering a platform for the debate on climate change in the Mediterranean, in a pragmatic way. By providing their inputs, the authors have made a positive

contribution towards a debate which needs to be continued, and reach a depth far beyond what conferences, workshops or seminars may be able to offer.

Hamburg, Germany — Walter Leal Filho
Orestiada, Greece — Evangelos Manolas
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