

1. Record Nr.	UNINA9910739408603321
Titolo	Climate Change and Food Security in West Asia and North Africa // edited by Mannava V.K. Sivakumar, Rattan Lal, Ramasamy Selvaraju, Ibrahim Hamdan
Pubbl/distr/stampa	Dordrecht : , : Springer Netherlands : , : Imprint : Springer, , 2013
ISBN	9789400767515 940076751X
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (xi, 423 pages) : illustrations (chiefly color), maps
Collana	Gale eBooks
Altri autori (Persone)	SivakumarMannava SelvarajuRamasamy LalR
Disciplina	338.19095
Soggetti	Agriculture Atmospheric science Environment Soil science Sustainability Atmospheric Science Environmental Sciences Soil Science
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.
Nota di contenuto	Part I Climate Change in West Asia and North Africa -- 1 Climate Change in West Asia and North Africa (WANA): Overview -- 2 Implications of Climate Change for Agriculture and Food Security in the Western Asia and Northern Africa Region -- Part II Climate Change and Environment -- 3 Climate Change and Soil Quality in the WANA Region -- 4 Conserving Green and Blue Water in the WANA Region -- 5 Climate Change and Land Use in the WANA Region with a Specific Reference to Morocco -- 6 Responses of Insect Pests to Climate Change: Effects and Interactions of Temperature, CO ₂ on Soil Quality -- 7 Climate Change and Locusts in the WANA Region -- Part III Climate Change and Food Security: Perspectives from WANA sub-

Regions -- 8 Climate Change Impact on WANA: Key Researchable Issues and Proposed Measures -- 9 Climate Variability and Change in North African Countries -- 10 Climate Change in Drylands of the Eastern Mediterranean: from Assessment Methods to Adaptation Strategies -- 11 Climate Change and Food Security in the Nile Valley and Red Sea -- 12 Food Security and Climate Change in West Asia -- Part IV Mitigation and Adaptation Options for Different Agroeconomic Sectors in WANA -- 13 Mitigation and Adaptation Options for Rainfed Agriculture in West Asia and North Africa -- 14 Mitigation and Adaptation Options of Climate Change in Irrigated Agriculture in Arab Countries -- 15 Climate Change Adaptation and Mitigation Options for the Livestock Sector in the West Asia and North Africa -- 16 Afforestation Potential in the WANA Region to Sequester Carbon and Improve Soil Quality -- Part V Policy, Financial, Institutional and Cooperation Issues -- 17 Mainstreaming Adaptation to Climate Change into the Development Agenda -- 18 Possible Financial Innovations and Market Mechanisms at the National Level to Cope with Climate Change in WANA Region -- 19 Economic Impacts of Climate Change in the Arab World: A Summary of Case Studies from Syria, Tunisia and Yemen -- 20 Human Dimensions of Climate Change Adaptation: Factors that Influence Behaviours -- Part VI Regional Agricultural Adaptation and Mitigation Framework for Climate Change in WANA -- 21 Regional Framework for Climate Change Adaptation and Mitigation in the WANA Region -- 22 Adaptation Strategies for Different Sectors in the WANA Region – Summaries of Breakout Group Discussions -- Part VII Conference Declaration -- 23 Kuwait Declaration.

Sommario/riassunto

The countries of West Asia and North Africa (WANA) have long had the challenge of providing sustainable livelihoods for their populations in the fragile ecosystems of semi-arid and arid areas. Climate change is already a reality in WANA and it places additional constraints on the already fragile ecosystems of dry areas and limited natural resources in WANA. Hence there is an urgency to develop, and strengthen further, research and technology transfer on adaptation, mitigation and production system resilience. A comprehensive and integrated approach to planning and implementing the climate change adaptation strategies across the wide range of agro-ecosystems in different countries in WANA could help both the planners and the local communities to deal effectively with the projected impacts and also contribute to overall sustainability of agricultural production systems. This book addresses the important issue of climate change and food security in West Asia and North Africa and presents perspectives from different sub-regions in WANA. The mitigation and adaptation options for different agroeconomic sectors in WANA as well as policy, financial, institutional and cooperation issues are discussed. These could help in the development of new policies to better adapt agriculture production systems and enhance food security in WANA.
