1. Record Nr. UNINA9910626105403321 Climate change impact and adaptation in agricultural systems / / edited Titolo by Jurg Fuhrer, Peter J. Gregory; contributors, Phillip Alderman [and fifty others] Wallingford, England; ; Boston, Massachusetts:,: CABI,, 2014 Pubbl/distr/stampa ©2014 1-78064-290-3 **ISBN** Descrizione fisica 1 online resource (305 p.) Collana **CABI Climate Change Series** Disciplina 363.73874 630.2 630.2515 Soggetti Crops and climate Climatic changes Agricultural systems Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references at the end of each chapters and Nota di bibliografia index. Nota di contenuto Contents; Contributors; Foreword; Climate Change Impact and Adaptation in Agricultural Systems - Introduction; 1 Climate Projections for 2050; 2 Rainfed Intensive Crop Systems; 3 Climate Sensitivity of Intensive Rice-Wheat Systems in Tropical Asia: Focus on the Indo-Gangetic Plains; 4 Climate Change Challenges for Low-Input Cropping and Grazing Systems - Australia: 5 Diversity in Organic and Agroecological Farming Systems for Mitigation of Climate Change Impact, with Examples from Latin America; 6 UK Fruit and Vegetable Production - Impacts of Climate Change and Opportunities for Adaptation 7 Intensive Livestock Systems for Dairy Cows8 Climate Change and Integrated Crop-Livestock Systems in Temperate-Humid Regions of North and South America: Mitigation and Adaptation; 9 Land Managed for Multiple Services; 10 Adaptation of Mixed Crop-Livestock Systems

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Cropping Systems in the Developing World; 13 The Role of Modelling in Adapting and Building the Climate Resilience of Cropping Systems 14 Agroforestry Solutions for Buffering Climate Variability and Adapting to Change15 Channelling the Future? The Use of Seasonal Climate Forecasts in Climate Adaptation; 16 Agricultural Adaptation to Climate Change: New Approaches to Knowledge and Learning; 17 What are the Factors that Dictate the Choice of Coping Strategies for Extreme Climate Events? The Case of Farmers in the Nile Basin of Ethiopia; Index; A; B; C; D; E; F; G; H; I; L; M; O; P; R; S; T; U; V; W

## Sommario/riassunto

The focus of this book is future global climate change and its implications for agricultural systems which are the main sources of agricultural goods and services provided to society. These systems are either based on crop or livestock production, or on combinations of the two, with characteristics that differ between regions and between levels of management intensity. In turn, they also differ in their sensitivity to projected future changes in climate, and improvements to increase climate-resilience need to be tailored to the specific needs of each system. The book will bring together a seri