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Nota di contenuto	Terraced Agro-systems in west Anti-Atlas (Morocco): incidence of climate change and prospects for sustainable development -- Increasing pulse consumption to improve human health and food security and to mitigate climate change: a case study on the consumption of pulses in a food service setting -- Ecosystem services and incentive mechanisms for environmental preservation in Brazil -- Are we missing the big picture? Unlocking the social-ecological resilience of High Nature Value farmlands to future climate change -- Profitability of Cassava Based Farms Adopting Climate Smart Agriculture (CSA) Practices in Delta State, Nigeria -- Climate-smart agricultural practices (CSA) adoption by crop farmers in semi-arid regions of west and east Africa: evidence from Nigeria and ethiopia -- Challenges, futures and possibilities on land use of rural areas of Cela municipality: Risks, climate change impacts, adaptation and links to sustainability -- Future climate change impacts on Malta's agriculture based on multi-model results from WCRP's CMIP5 -- The urgent need for enhancing forest ecosystem resilience under the anticipated climate portfolio over Kerala under RCP 4.5 and its possible implications on

forests -- Mediterranean marginal lands in face of climate change: Biodiversity and ecosystem services -- Green Belt of Khartoum -- Multifunctional urban agriculture and agroforestry for sustainable land use planning in the context of climate change in Serbia -- Alien plant species: environmental risks in agricultural and agro-forest landscapes under climate change -- Remote sensing of droughts impacts on maize prices using SPOT-VGT derived vegetation index -- Anthropogenic action effects caused by soybean farmers in a watershed of Tocantins - Brazil and its connections with climate change -- Enhancing food security and climate change resilience in the degraded land areas through resilient crops and agroforestry -- Community participation in climate change mitigation research in the arid and semi- arid areas of Sudan -- Using of Optimization Strategy for Reducing Water Scarcity in the Face of Climate Change -- Climate Change Impact on Agriculture and Irrigation Network -- Implication of climate change and food security status on rural farmers in Kura Kano state North- western Nigeria -- Decentralised, off-grid solar pump irrigation systems in developing countries – are they pro-poor, pro-environment and pro-women? -- Livestock Technologies and Grazing Land Management Options for Climate Change Adaption and Mitigation to Contribute for food security in Ethiopia. .

Sommario/riassunto

This book collects wide-ranging contributions such as case studies, reviews, reports on technological developments, outputs of research/studies, and examples of successful projects, presenting current knowledge and raising awareness to help the agriculture and forestry sectors find solutions for mitigating climate variability and adapting to change. It brings the topic of ecosystem services closer to education and learning, as targeted by the Framework Convention on Climate Change and the Paris Agreement, the 2030 Agenda for Sustainable Development and the EU Biodiversity Strategy to 2020. Climate change and its impacts on agriculture and agroforestry have been observed across the world during the last 50 years. Increasing temperatures, droughts, biotic stresses and the impacts of extreme events have continuously decreased agroforestry systems' resilience to the effects of climate change. As such, there is a need to adapt farming and agroforestry systems so as to make them better able to handle ever-changing climate conditions, and to preserve habitats and ecosystems services.
