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Autore	Leal Filho Walter
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Altri autori (Persone)	OgugeNicholas AyalDesalegn AdelekeLydia da Silvalzael Leal FilhoWalter
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to the Off Bottom Method -- S6: Presence Absence of Challenges for Deepwater and off Bottom Methods -- S7: Percentage of Participants Spending Their Income from Seaweed Farming on Various Items -- References -- 2 Adaptation of Small-Scale Tea and Coffee Farmers in Kenya to Climate Change -- Introduction -- Agriculture in Kenya -- Climate Change Policies and Regulations in Kenya -- Tea Sector in Kenya -- Climate Change Challenges in the Tea Sector -- Adaptation and Mitigation Measures by Small-Scale Farmers in the Tea Sector -- Coffee Sector in Kenya -- Climate Change Challenges in the Coffee Sector -- Adaptation and Mitigation Measures by Small-Scale Farmers in the Coffee Sector -- Recommendations and Conclusion -- Farmer Empowerment -- Strengthening of Institutions -- Collaborations and Partnerships -- Certification -- References.

3 Adaptive Capacity to Mitigate Climate Variability and Food Insecurity of Rural Communities Along River Tana Basin, Kenya -- Introduction -- Impacts of Climate Variability -- Adaptive Capacity to Mitigate Climate Variability Impacts -- Impacts and Adaptation Strategies to Climate Variability in Arid and Semiarid Lands: A Case of Garissa and Tana River Counties... -- Rainfall and Temperature Impacts on Food Security -- Community Perception on Climate Variability and Its Impacts -- Adaptations Strategies to Climate Variability in Arid and Semiarid Land -- Conclusions -- Recommendations -- References -- 4 Agricultural Interventions to Enhance Climate Change Adaptation of Underutilized Root and Tuber Crops -- Introduction -- Major Roots and Tuber Crops -- Cassava -- Sweet Potatoes -- Yam -- Irish Potato -- Cocoyams (Arrow Roots) -- Root and Tuber Crop Production in Kenya -- Agricultural Interventions for Adaptation to Climate Change -- Bio Fertilizers -- Organic Agriculture -- Soil Organic Matter Management -- Mulching -- Zero Tillage -- Tie-Ridging -- Improved Seed Varieties -- Management of Community Seed Banks -- Cropping Systems -- Irrigation Method -- Exploiting Abandoned Lands -- Agroforestry Practice -- Clean Seed Production Technologies -- Nutrient Use Efficiency (NUE) -- Conclusion -- References -- 5 Farmers' Adaptive Capacity to Climate Change in Africa: Small-Scale Farmers in Cameroon -- Introduction -- Background of the Study -- Review of Literature -- Perceptions of Climate Change by Small-Scale Farmers in Africa -- Adverse Effects of Climate Change on Africa's Small-Scale Farmers -- Drivers of Small-Scale Farmers' Vulnerability to Climate Change in Africa -- Adaptation Options Implemented by Small-Scale Farmers in Africa Confronted with Climate Change.

Determinants of Small-Scale Farmers' Choice of Adaptive Measures Confronted with Climate Change -- Barriers to Adaptation for Small-Scale Farmers in Africa Confronted with Climate Change -- Effectiveness of Small-Scale Farmers' Adaptation Measures in Enhancing Adaptive Capacity to Climate Change -- Description of Study Area and Methodology -- Description of the Study Area -- Research Methods -- Study Site Selection and Sampling Methods -- Data Sources and Collection -- Analysis of Data -- Dependent and Independent Variables -- Findings -- Variations and Changes in Climate Elements -- Adaptive Choices of Small-Scale Farmers Confronted with Climate Change Adversities -- Farmer Perceived Factors Influencing Adaptive Capacity to Adverse Climatic Variations and Changes -- Farmers' Capacity to Adapt to Climate Change -- Factors Affecting Small-Scale Farmers' Adaptive Capacity to Climate Change -- Non-Cause-Effect Relationship Between Small-Scale Farmers' Adaptive Capacity and Continuous Independent Variables -- Non-Cause-Effect Relationship Between Small-Scale Farmers' Adaptive Capacity and Qualitative Independent Variables -- Binary Logistic Regression Model Predicting

Small-Scale Farmers' Adaptive Capacity to Climatic Change from Independent Variabl... -- Discussion -- Variations in Climate Elements -- Adaptive Choices of Small-Scale Farmers Confronted with Climate Change -- Perceived Factors Affecting Farmers' Adaptive Capacity to Climate Change -- Non-Cause-Effect and Cause-Effect Relationship Between Small-Scale Farmers' Adaptive Capacity to Climate Change and Independen... -- Conclusion and Policy Implications -- References -- 6 Assessment of Farmers' Indigenous Technology Adoptions for Climate Change Adaptation in Nigeria -- Introduction -- Issue Description -- Research Techniques and Findings.

Devastating Effects of Climate Change on Smallholder Farmers -- Indigenous Adaptation Techniques in Use in Nigeria -- North-Central Zone - Benue State -- North West Zone - Kaduna State -- North-East Zone - Taraba State -- South-East Zone - Enugu State -- South-South Zone - Cross River -- South-West Zone - Oyo State -- Constraints to the Development of Indigenous Adaptation Techniques in Nigeria -- Indigenous Adaptation Techniques Contributing Factors -- Conclusion -- References -- 7 Case for Climate Smart Agriculture in Addressing the Threat of Climate Change -- Introduction -- Background -- Climate Change and Food Security -- Climate Smart Agriculture Technologies -- Breeding and Climate Change -- Efficient Resource Management -- Integrated Renewable Energy Technologies of Farming Systems -- Resource Conserving Technologies (RCTs) -- Land Use Management -- Cropping Season Variation -- Crop Relocation -- Efficient Pest Management -- GIS Mapping -- Conclusion -- References -- 8 Sorghum Farmers' Climate Change Adaptation Strategies in the Semiarid Region of Cameroon -- Introduction -- Socioeconomic Characteristics of the Sorghum Farmers -- Climate Hazards and Sorghum Farmers' Adaptation Strategies -- Sahelian Farmers Adaptation Strategies' Typologies -- First Category of Typologies -- Second Category of Typologies -- Third Category of Typologies -- Characterization of Sorghum Farmers' Adaptation Strategies -- Conclusion -- References -- 9 Attaining Food Security in the Wake of Climatic Risks: Lessons from the Delta State of Nigeria -- Introduction -- Research Methodology -- Findings -- Livelihood Vulnerability to Climatic Risks -- Assets and Food Production Nexus -- Households Still Living Below the Global Poverty Line -- Discussion -- Final Remarks -- References -- 10 Tied Ridges and Better Cotton Breeds for Climate Change Adaptation -- Introduction.

Characteristics of Cotton Growing Areas in Zimbabwe -- Crop Genetic Diversity and Climate Change -- Status of Cotton -- In-Field Moisture Harvesting -- Tied Ridges -- Planting Basins -- Mulch Ripping -- Cotton Production Under Climate Change -- Effects of Water Harvesting on Soil Moisture Content -- References -- 11 Determinants of Cattle Farmers' Perception of Climate Change in the Dry and Subhumid Tropical Zones of Benin (West Africa) -- Introduction -- Material and Methods -- Study Areas -- Data Collection -- Exploratory Study -- In-Depth Interviews -- Statistical Analysis -- Results and Discussion -- Sociodemographic Characteristics of the Cattle Farmers Surveyed -- Cattle Farmers' Perception of Climate Change Indicators -- Determinants of Cattle Farmers' Perception of Climate Change -- Cattle Farmers' Adaptation Strategies to Climate Change -- Conclusion -- References -- 12 Drivers of Level of Adaptation to Climate Change in Smallholder Farming Systems in Southern Africa: A Multilevel Modeling A... -- Introduction and Background -- Data Gathering and Analytical Framework -- Multilevel Estimation of Determinants of Level of Adaptation -- Random Effects -- Hierarchical Linear Regression Model with Random Intercept and Level 2 Covariates -- Promote

Learning Through Linkages with Public and Private Extension Services  
-- References -- 13 Economic Analysis of Climate-Smart Agriculture  
Technologies in Maize Production in Smallholder Farming Systems --  
Introduction -- CSA in Crop-Livestock Farming Systems --  
Methodology -- Study Area and Data Collection -- Data Analysis --  
Economic Analysis of CSA -- Return on Investment -- The Stochastic  
Profit Frontier Model -- Results and Discussion -- CSA Adaptation  
Strategies Employed by Households in Maize Production -- Economic  
Analysis of Maize -- Estimated Stochastic Frontier Profit Function.  
Conclusions and Recommendations.

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## Sommario/riassunto

This open access book discusses current thinking and presents the main issues and challenges associated with climate change in Africa. It introduces evidences from studies and projects which show how climate change adaptation is being - and may continue to be successfully implemented in African countries. Thanks to its scope and wide range of themes surrounding climate change, the ambition is that this book will be a lead publication on the topic, which may be regularly updated and hence capture further works. Climate change is a major global challenge. However, some geographical regions are more severely affected than others. One of these regions is the African continent. Due to a combination of unfavourable socio-economic and meteorological conditions, African countries are particularly vulnerable to climate change and its impacts. The recently released IPCC special report "Global Warming of 1.5° C" outlines the fact that keeping global warming by the level of 1.5° C is possible, but also suggested that an increase by 2° C could lead to crises with crops (agriculture fed by rain could drop by 50% in some African countries by 2020) and livestock production, could damage water supplies and pose an additional threat to coastal areas. The 5th Assessment Report produced by IPCC predicts that wheat may disappear from Africa by 2080, and that maize— a staple—will fall significantly in southern Africa. Also, arid and semi-arid lands are likely to increase by up to 8%, with severe ramifications for livelihoods, poverty eradication and meeting the SDGs. Pursuing appropriate adaptation strategies is thus vital, in order to address the current and future challenges posed by a changing climate. It is against this background that the "African Handbook of Climate Change Adaptation" is being published. It contains papers prepared by scholars, representatives from social movements, practitioners and members of governmental agencies, undertaking research and/or executing climate change projects in Africa, and working with communities across the African continent. Encompassing over 100 contributions from across Africa, it is the most comprehensive publication on climate change adaptation in Africa ever produced.

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