Record Nr. UNINA9910452738703321 Looking beyond the horizon [[electronic resource]]: how climate **Titolo** change impacts and adaptation responses will reshape agriculture in Eastern Europe and Central Asia / / William R. Sutton, Jitendra P. Srivastava, James E. Neumann, editors Pubbl/distr/stampa Washington, D.C., : World Bank, 2013 **ISBN** 0-8213-9769-9 Descrizione fisica 1 online resource (201 p.) Collana Directions in development Altri autori (Persone) SuttonWilliam R. <1967-> SrivastavaJitendra <1940-> NeumannJames E. <1962-> Disciplina 632/.1Soggetti Crops and climate - Europe, Eastern Crops and climate - Asia, Central Climatic changes - Europe, Eastern Climatic changes - Asia, Central Electronic books. 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 CONTENTS; Foreword; Preface; Acknowledgments; About the Authors; Abbreviations; Overview; Key Findings; Immediate Impacts of the Program: Applying This Approach Elsewhere: Organization of the Book: Notes; References; Chapter 1 Agriculture and Adaptive Capacities in Albania, Moldova, the former Yugoslav Republic of Macedonia, and Uzbekistan; Albania; Moldova; FYR Macedonia; Uzbekistan; Notes; References; Chapter 2 Framework and Program Design; Study Approach: Action Steps; Analytic Tools: Model Choices and Workflow; Limitations and Key Challenges; Notes; References Chapter 3 Risks, Impacts, and Adaptation Menus for Study Countries Albania Climate Risk; Moldova Climate Risk; FYR Macedonia Climate Risk; Uzbekistan Climate Risk; Common Adaptation Options across Countries; Notes; References; Chapter 4 Key Findings and Cross-Country Insights; Categories of Findings; Exposure Analysis Shows

Temperatures Rising, Differing Rainfall Changes by Country; Changes

in Seasonal Rainfall Will Matter Most to Farmers; Vulnerability and Adaptive Capacity Varies across Countries; Farmers More Open to Adaptation, but Limited by Capacity Constraints Impact Assessment Predicts Lower Crop Yields and Some Opportunities Irrigation Water Shortfall Forecast in Three of Four Countries; Water-Use Efficiency, Irrigation Infrastructure Need to Improve; Adaptation Options Must Be Identified at Agro-Ecological Zone, National Levels; Farmers Looking to New, Cost-Effective Techniques; Improved Livestock Management Needed, but Crop Productivity a Higher Priority; Targeting Agricultural CO2 Nitrous Oxide, and Methane Emissions; Role of Qualitative Tools in Prioritizing Adaptation Measures, Shaping Results

Refined Policies, Capacities, and Investments Needed to Reward Farmers' Flexibility Notes; References; Chapter 5 A New Approach to Choosing and Prioritizing Adaptation Options; Model Considers Risks and Defines Adaptation Paths; Pairing Quantitative Analyses with Stakeholder Consultations to Map Out Options; Lessons Learned and Potential Applications for Model; Results; Notes; References; Appendix A Product Design and Methodology; Appendix B Glossary

Sommario/riassunto

Agriculture is one of the most climate-sensitive of all economic sectors. In many countries, such as the four examined in Looking Beyond the Horizon, the risks of climate change are an immediate and fundamental problem because the majority of the rural population depends either directly or indirectly on agriculture for its livelihood. The risks of climate change to agriculture cannot be effectively dealt with-and the opportunities cannot be effectively exploited-without a clear plan for aligning agricultural policies with climate change, developing the capabilities of key agricultural institutions