

1. Record Nr.	UNINA9910968667503321
Titolo	Climate change in the Midwest : impacts, risks, vulnerability, and adaptation // edited by S.C. Pryor
Pubbl/distr/stampa	Bloomington, : Indiana University Press, c2013
ISBN	1-283-88949-8 0-253-00774-7
Edizione	[1st ed.]
Descrizione fisica	1 online resource (349 p.)
Altri autori (Persone)	PryorS. C. <1967->
Disciplina	363.738/740977
Soggetti	Climatic changes - Middle West Climatic changes - Environmental aspects - Middle West Climatic changes - Risk assessment - Middle West Plants - Effect of global warming on - Middle West Vegetation and climate Water levels - Great Lakes (North America) Middle West Climate
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 and index.
Nota di contenuto	Cover; Title; Copyright; Contents; Preface; Acknowledgments; Abbreviations and Acronyms; 1 Climate Change Impacts, Risks, Vulnerability, and Adaptation: An Introduction; 2 The Midwestern United States: Socioeconomic Context and Physical Climate; 3 Vulnerability and Adaptability of Agricultural Systems in the Southeast United States to Climate Variability and Climate Change; 4 Uncertainty and Hysteresis in Adapting to Global Climate Change; 5 Climate-Agriculture Vulnerability Assessment for the Midwestern United States 6 Potential Future Impacts of Climate on Row Crop Production in the Great Lakes Region7 Vulnerability of Soil Carbon Reservoirs in the Midwest to Climate Change; 8 Michigan's Tart Cherry Industry: Vulnerability to Climate Variability and Change; 9 Climate Change Vulnerability and Impacts on Human Health; 10 Intra-Urban Variations in Vulnerability Associated with Extreme Heat Events in Relationship to a Changing Climate; 11 Historical and Projected Changes in Human Heat Stress in the Midwestern United States

12 Vulnerability of the Electricity and Water Sectors to Climate Change in the Midwest; 13 The Drought Risk Management Paradigm in the Context of Climate Change; 14 Local Adaptation to Changing Flood Vulnerability in the Midwest; 15 The Response of Great Lakes Water Levels and Potential Impacts of Future Climate Scenarios; 16 Vulnerability of the Energy System to Extreme Wind Speeds and Icing; 17 Climate Change Impacts, Risks, Vulnerability, and Adaptation in the Midwestern United States: What Next?; List of Contributors; Index

Sommario/riassunto

The research presented in this volume focuses on identifying and quantifying the major vulnerabilities to climate change in the Midwestern United States. By providing state-of-the-art spatially disaggregated information regarding the historical, current, and possible future climate within the region, the contributors assess the risks and susceptibility of the critical socio-economic and environmental systems. Key sectors discussed are agriculture, human health, water, energy and infrastructure, and the vulnerabilities that may be amplified under current climate trajectories. The book also c
