Deserved No.	
Record Nr.	UNINA9910822969603321
Titolo	Biodiversity in a changing climate : linking science and management in conservation / / edited by Terry L. Root [and three others]
Pubbl/distr/stampa	Oakland, California : , : University of California Press, , 2015 ©2015
ISBN	0-520-28671-5
Descrizione fisica	1 online resource (244 p.)
Disciplina	577.2/209794
Soggetti	Biodiversity - Climatic factors - California
	Biodiversity conservation - California
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 at the end of each chapters and index.
Nota di contenuto	Front matter Contents List of Contributors Preface CHAPTER 1. A New Era for Ecologists: Incorporating Climate Change into Natural Resource Management CHAPTER 2. Climate Change from the Globe to California CHAPTER 3. Climatic Influences on Ecosystems CHAPTER 4. Modeling Krill in the California Current: A 2005 Case Study CHAPTER 5. Shifts in Marine Biogeographic Ranges CHAPTER 6. Integrating Global Climate Change and Conservation: A Klamath River Case Study CHAPTER 7. Pollinators and Meadow Restoration CHAPTER 8. Elevational Shifts in Breeding Birds in the Southern California Desert Region CHAPTER 9. Conserving California Grasslands into an Uncertain Future CHAPTER 10. Species Invasions: Linking Changes in Plant Composition to changes in Climate CHAPTER 11. Evolutionary Conservation under Climate Change CHAPTER 12. Fossils Predict Biological Responses to Future Climate Change CHAPTER 13. Historical Data on Species Occurrence: Bridging the Past to the Future Glossary INDEX Contributor Bios
Sommario/riassunto	One major consequence of climate change is abrupt, dramatic changes in regional biodiversity. Even if the most optimistic scenarios for mitigating climate change transpire, the fate of many wild species rests on the shoulders of people engaged in conservation planning,

1.

management, and policy. Providing managers with the latest and most useful climate change research is critical and requires challenging the conventional divide between scientists and managers. Biodiversity in a Changing Climate promotes dialogue among scientists, decision makers, and managers who are grappling with climate-related threats to species and ecosystems in diverse forms. The book includes case studies and best practices used to address impacts related to climate change across a broad spectrum of species and habitats-from coastal krill and sea urchins to prairie grass and mountain bumblebees. Focused on California, the issues and strategies presented in this book will prove relevant to regions across the West, as well as other regions, and provide a framework for how scientists and managers in any region can bridge the communication divide to manage biodiversity in a rapidly changing world. Biodiversity and a Changing Climate will prove an indispensable guide to students, scientists, and professionals engaged in conservation and resource management.