1. Record Nr. UNINA9910779766803321

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Titolo	Ecology of climate change [[electronic resource]] : the importance of biotic interactions / / Eric Post
Pubbl/distr/stampa	Princeton, : Princeton University Press, 2013
ISBN	1-4008-4613-7
Edizione	[Core Textbook]
Descrizione fisica	1 online resource (404 p.)
Collana	Monographs in Population Biology ; ; 68
Classificazione	RB 10438
Disciplina	577.2/2
Soggetti	Bioclimatology Climatic changes - Environmental aspects
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	Frontmatter -- Contents -- Preface: Purpose, Perspective, and Scope -- Acknowledgments -- Chapter 1. A Brief Overview of Recent Climate Change and Its Ecological Context -- Chapter 2. Pleistocene Warming and Extinctions -- Chapter 3. Life History Variation and Phenology -- Chapter 4. Population Dynamics and Stability -- Chapter 5. The Niche Concept -- Chapter 6. Community Dynamics and Stability -- Chapter 7. Biodiversity, Distributions, and Extinction -- Chapter 8. Ecosystem Function and Dynamics -- Chapter 9. Brief Remarks on Some Especially Important Considerations -- References -- Index -- Backmatter
Sommario/riassunto	Rising temperatures are affecting organisms in all of Earth's biomes, but the complexity of ecological responses to climate change has hampered the development of a conceptually unified treatment of them. In a remarkably comprehensive synthesis, this book presents past, ongoing, and future ecological responses to climate change in the context of two simplifying hypotheses, facilitation and interference, arguing that biotic interactions may be the primary driver of ecological responses to climate change across all levels of biological organization. Eric Post's synthesis and analyses of ecological consequences of climate change extend from the Late Pleistocene to the present, and through the next century of projected warming. His investigation is grounded in classic themes of enduring interest in ecology, but developed around novel conceptual and mathematical models of observed and predicted dynamics. Using stability theory as a recurring theme, Post argues that

the magnitude of climatic variability may be just as important as the magnitude and direction of change in determining whether populations, communities, and species persist. He urges a more refined consideration of species interactions, emphasizing important distinctions between lateral and vertical interactions and their disparate roles in shaping responses of populations, communities, and ecosystems to climate change.