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Nota di contenuto	Contents; Contributors; Foreword; 1 Introduction; PART I: THE DIMENSIONS OF THE PROBLEM: BACKGROUND AND SCIENCE; 2 Communicating the Dynamic Complexities of Climate and Ecology: Species Invasion and Resource Changes; 3 Climate Change and Plant Pathogen Invasions; 4 Analysis of Invasive Insects: Links to Climate Change; 5 Climate Change, Plant Traits and Invasion in Natural and Agricultural Ecosystems; PART II: CASE STUDIES; 6 Non-native Species in Antarctic Terrestrial Environments: Th e Impacts of Climate Change and Human Activity 7 Synergies between Climate Change and Species Invasions: Evidence from Marine Systems8 Ragweed in Eastern Europe; 9 Climate Change and Alien Species in South Africa; 10 Climate Change and 'Alien Species in National Parks': Revisited; 11 Invasive Plants in a Rapidly Changing Climate: An Australian Perspective; 12 Invasive Species of China and Th eir Responses to Climate Change; PART III: MANAGEMENT: DETECTION AND PREVENTION; 13 Identifying Invasive Species in Real Time: Early Detection and Distribution Mapping System (EDDMapS) and Other Mapping Tools 14 Global Identifi cation of Invasive Species: Th e CABI Invasive Species

Compendium as a Resource15 The Biogeography of Invasive Plants - Projecting Range Shifts with Climate Change; 16 Identifying Climate Change as a Factor in the Establishment and Persistence of Invasive Weeds in Agricultural Crops; 17 Assessing and Managing the Impact of Climate Change on Invasive Species: The PBDM Approach; PART IV: MANAGEMENT: CONTROL AND ADAPTATION; 18 Climate, CO<sub>2</sub> and Invasive Weed Management  
19 Early Detection and Rapid Response: A Cost-effective Strategy for Minimizing the Establishment and Spread of New and Emerging Invasive Plants by Global Trade, Travel and Climate Change20 Adapting to Invasions in a Changing World: Invasive Species as an Economic Resource; Index; A; B; C; D; E; F; G; H; I; J; K; L; M; N; O; P; Q; R; S; T; U; V; W; X; Y; Z

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Sommario/riassunto

This book examines what will happen to global invasive species, including plants, animals and pathogens with current and expected man-made climate change. The effects on distribution, success, spread and impact of invasive species are considered for a series of case studies from a number of countries. This book will be of great value to researchers, policymakers and industry in responding to changing management needs.

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