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Nota di contenuto	Intro -- Contents -- Acknowledgements -- Contributors -- 1 Introduction -- 2 How populations cohere: five rules for cooperation -- 3 Single-species dynamics -- 4 Metapopulations and their spatial dynamics -- 5 Predator-prey interactions -- 6 Plant population dynamics -- 7 Interspecific competition and multispecies coexistence -- 8 Diversity and stability in ecological communities -- 9 Communities: patterns -- 10 Dynamics of infectious disease -- 11 Fisheries -- 12 A doubly Green Revolution: ecology and food production -- 13 Conservation biology: unsolved problems and their policy implications -- 14 Climate change and conservation biology -- 15 Unanswered questions and why they matter -- References -- Index -- A -- B -- C -- D -- E -- F -- G -- H -- I -- J -- K -- L -- M -- N -- O -- P -- Q -- R -- S -- T -- U -- V -- W -- Y.
Sommario/riassunto	Theoretical Ecology provides a succinct, up-to-date overview of the field set in the context of applications, thereby bridging the traditional division of theory and practice. It describes the recent advances in our understanding of how interacting populations of plants and animals change over time and space, in response to natural or human-created

disturbance. In an integrated way, initial chapters give an account of the basic principles governing the structure, function, and temporal and spatial dynamics of populations and communities of plants and animals. Later chapters outline applications of these ideas to practical issues including fisheries, infectious diseases, tomorrow's food supplies, climate change, and conservation biology.
