1. Record Nr. UNINA9910164928903321

Autore	Hui Cang
Titolo	Invasion dynamics / / Chang Hui and David M. Richardson
Pubbl/distr/stampa	Oxford : , : Oxford University Press, , 2017
ISBN	0-19-106253-7 0-19-180704-4 0-19-106252-9
Edizione	[First edition.]
Descrizione fisica	1 online resource (337 pages, 4 unnumbered pages of plates) : illustrations, maps
Disciplina	577.18
Soggetti	Biological invasions Introduced organisms
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	This edition previously issued in print: 2017.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.
Nota di contenuto	Setting the scene -- Part I. Spread. The dynamics of spread -- Modelling spatial dynamics -- From dispersal to boosted range expansion -- Non-equilibrium dynamics -- Part II. Impact. Biotic interactions -- Regime shifts -- Community assembly and succession -- Monitoring and management -- Part III. Synthesis. Complex adaptive networks -- Managing biological invasions in the Anthropocene.
Sommario/riassunto	Humans have moved organisms around the world for centuries but it is only relatively recently that invasion ecology has grown into a mainstream research field. This text examines both the spread and impact dynamics of invasive species, placing the science of invasion biology on a new, more rigorous, theoretical footing, and proposing a concept of adaptive networks as the foundation for future research. Biological invasions are considered not as simple actions of invaders and reactions of invaded ecosystems, but as co-evolving complex adaptive systems with emergent features of network complexity and invasibility. 'Invasion Dynamics' focuses on the ecology of invasive species and their impacts in recipient social-ecological systems.