Record Nr. UNINA9910800169203321 Autore Jørgensen Sven Erik <1934-> **Titolo** Introduction to systems ecology / / Sven Erik Jørgensen Pubbl/distr/stampa Boca Raton:,: CRC Press,, 2012 **ISBN** 0-429-10775-7 1-4398-5520-X Descrizione fisica 1 online resource (311 p.) Applied Ecology and Environmental Management Collana Disciplina 577.8/2 Soggetti Biotic communities **Bioenergetics** Thermodynamics Ecology - Philosophy Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references. Nota di contenuto Front Cover; Contents; Preface; Chapter 1: Systems Ecology: An Ecological Discipline; Chapter 2: Conservation of Energy and Matter; Chapter 3: Ecosystems: Growth and Development; Chapter 4: Irreversibility and Order: The Second and Third Laws of Thermodynamics; Chapter 5: The Biochemistry of Ecosystems; Chapter 6: The Thermodynamic Interpretation of Ecosystem Growth and Development: Chapter 7: The Ecological Law of Thermodynamics: Chapter 8: Ecosystems Are Open Systems; Chapter 9: Ecosystems Have a Hierarchical Organization; Chapter 10: Ecosystems Have a High Diversity Chapter 11: Ecosystems Have a High Buffer CapacityChapter 12: The Components of Ecosystems Form Ecological Networks; Chapter 13: Ecosystems Have a Very High Content of Information; Chapter 14: Ecosystems Have Emerging Holistic System Properties; Chapter 15: Application of System Ecology in Ecological Subdisciplines and Environmental Management; References; Appendix; Back Cover System Ecology: An Ecological DisciplineWhat Is Systems Ecology? The

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