1. Record Nr. UNINA9910815525903321 Autore Pickett Steward T. <1950-> Titolo Ecological understanding: the nature of theory and the theory of nature // Steward T.A. Pickett, Jurek Kolasa, and Clive G. Jones Amsterdam: Boston, : Elsevier/Academic Press, c2007 Pubbl/distr/stampa **ISBN** 1-281-30729-7 9786611307295 0-08-054604-8 Edizione [2nd ed.] Descrizione fisica 1 online resource (244 p.) Altri autori (Persone) KolasaJurek JonesClive G Disciplina 577 Soggetti Ecology - Philosophy Ecology - Methodology 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 (p. 207-223) and index. Nota di contenuto Front cover; Ecological Understanding: The Nature of Theory and the Theory of Nature, Second Edition; Copyright page; Table of contents; PREFACE TO THE FIRST EDITION; PREFACE TO THE SECOND EDITION; Part I: Advancing the Discipline and Enhancing Applications; Chapter 1: Integration in Ecology; I. Overview; II. Ecological Advances and Diversity of Ecology; III. Progress via Integration; IV. Integration, Understanding, and Theory; V. What an Integrated Ecology Might Look Like; VI. Conclusions and Prospects; Chapter 2: Understanding in Ecology; I. Overview II. The Nature of Scientific Understanding III. Toward Understanding: IV. Conclusions and Prospects; Part II: The Nature of Theory; Chapter 3: The Anatomy of Theory; I. Overview; II. Theory and Its Conceptual Foundation; III. The Basic Conceptual Content of Theory; IV. Theory and Its Empirical Content; V. Theory and Its Derived Conceptual Content; VI. Theory Frameworks and Structure; VII. Conclusions and Prospects; Chapter 4: The Ontogeny of Theory; I. Overview; II. Why Theory Change Is Important; III. How Theories Change; IV. Theory Maturity; V.

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## Sommario/riassunto

This widely anticipated revision of the groundbreaking book, Ecological Understanding, updates this crucial sourcebook of contemporary philosophical insights for practicing ecologists and graduate students in ecology and environmental studies. The second edition contains new ecological examples, an expanded array of conceptual diagrams and illustrations, new text boxes summarizing important points or defining key terms, and new reference to philosophical issues and controversies. Although the first edition was recognized for its clarity, this revision takes the opportunity to make the exposi