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Nota di contenuto	Front Cover; HANDBOOK OF RECYCLING: STATE-OF-THE-ART FOR PRACTITIONERS, ANALYSTS, AND SCIENTISTS EDITED BY ERNST WORRELL AND MARKUS A. REUTE ...; Copyright; Contents; List of Contributors; PART I - RECYCLING IN CONTEXT; Chapter 1 - Recycling: A Key Factor for Resource Efficiency; References; Chapter 2 - Definitions and Terminology; 2.1 INTRODUCTION; 2.2 DEFINING RECYCLING; 2.3 MATERIALS AND PRODUCTS; 2.4 APPLYING THE PRODUCT-CENTRIC APPROACH-METALS; References; Chapter 3 - Recycling in Context; 3.1 INTRODUCTION; 3.2 METAL RECYCLING CONSIDERATIONS AND TECHNOLOGIES 3.3 DEFINING RECYCLING STATISTICS 3.4 PROCESS EFFICIENCIES AND RECYCLING RATE CONSTRAINTS; 3.5 PERSPECTIVES ON CURRENT RECYCLING STATISTICS; 3.6 SUMMARY; References; Chapter 4 - Recycling Rare Metals; 4.1 INTRODUCTION; 4.2 INDIUM; 4.3 OTHER EXAMPLES OF RARE METALS; 4.4 THE DISTANT FUTURE: GEORGESCU'S LAST LAUGH?; References; Chapter 5 - Theory and Tools of Physical Separation/Recycling; 5.1 RECYCLING PROCESS; 5.2 PARTICLE SIZE; 5.3 PULP RHEOLOGY; 5.4 PROPERTIES AND PROPERTY SPACES; 5.5 SAMPLING; 5.6 MASS BALANCES AND PROCESS DYNAMICS; 5.7 MATERIAL BALANCING; 5.8 LIBERATION

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Sommario/riassunto

Handbook of Recycling is an authoritative review of the current state-of-the-art of recycling, reuse and reclamation processes commonly implemented today and how they interact with one another. The book addresses several material flows, including iron, steel, aluminum and other metals, pulp and paper, plastics, glass, construction materials, industrial by-products, and more. It also details various recycling technologies as well as recovery and collection techniques. To completely round out the picture of recycling, the book considers policy and economic implications, including the i
