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Nota di contenuto	Preface -- Part I: Methodologies and tools for environmental sustainability -- 1 Food for thought: seeking the essence of Industrial Symbiosis -- 2 LCA and linear programming for the environmental optimization of waste management systems: a simulation -- 3 Urban Metabolism: many open questions for future answers -- 4 Water footprint to support environmental management: an overview -- 5 Marketing strategies for the agri-food sector: adaptation requirements

and contradictions -- 6 Hypercritical Separation Technology (HYST): a sustainable technology for agricultural by-products valorization -- 7 Antioxidative Effectiveness of Environment Friendly Functional Biopolymers for Food Applications -- Part II: Experiences and case studies in productive contexts -- 8 1997 – 2012 The environmental management system of the ST Microelectronics site of Catania is fifteen years old -- 9 Sustainability in the food oil sector: the experience of the Oleifici Mataluni in eco-innovation projects -- 10 Waste management and environmental impact: a case study of pharmaceutical industry -- 11 Subcategory Assessment Method for Social LCA: a first application on the wine sector -- 12 Human and environmental impact assessment for a soybean biodiesel production process through the integration of LCA and RA -- 13 Energy and Environmental Assessment of Retrofit Actions on a Residential Building -- 14 Bio-construction and renewable raw materials: the case of cork -- 15 Studies about the utilization of citrus wastes in view of environment protection -- 16 Prospects for the use of mini and micro wind power plants in residential settings -- Part III: Experiences and case studies in territorial contexts -- 17 Territorial Observatory on Sustainability in the Republic of San Marino: a case study -- 18 The European policy for the sustainability of urban areas and the “Covenant of Mayors” initiative: a case study -- 19 Tools for promoting environmental sustainability in Poland -- 20 The project for the implementation of the Industrial Symbiosis Platform in Sicily: the progress after the first year of operation -- 21 Potential developments of industrial symbiosis in the Taranto productive district -- 22 Harmonization of documentation for EPDgeneration - the Norwegian model -- 23 Environmentally sustainable development in the province of Belluno (Italy) -- 24 The European Ecolabel in the tourist sector: an analysis of the Italian experience of mountain huts -- 25 CAP and sustainability. Subsidies and biodiversity in six «Objective-1» Italian regions.

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## Sommario/riassunto

This book brings together, in a single volume, an overview of multiple applications of the concept of environmental sustainability, featuring examples of useful methodologies and tools for pursuing environmental targets, experiences and case studies spanning a variety of sectors, embracing both industry and research projects; and case studies applied to very different territorial contexts. The first section of the book covers methodologies and tools for environmental sustainability, including Industrial Ecology, Urban Metabolism, Life Cycle Assessment, analysis of industrial water footprint and such chemical technologies as Hypercritical Separation Technology (HYST). Part Two provides case studies of environmental sustainability in specific industrial sectors including electronics, pharmaceutical manufacturing, bio-energy, agriculture, food and residential construction retrofitting. Part Three explores experiences of environmental sustainability in territorial contexts on a local, regional or national scale. This section includes chapters on sustainability in the Republic of San Marino, the European “Covenant of Mayors” urban sustainability initiative and efforts to promote sustainability in Italy, Norway, and Poland among others. The book concludes with a discussion of Common Agricultural Policy (CAP) in Objective I regions of Italy. Featuring the contributions of academics, managers operating in various productive sectors and consultants, the book aims to promote the growth and spread of scientific research and technological development for environmental sustainability.

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