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Soggetti	Renewable energy sources Buildings - Design and construction Climatology Renewable Energy Building Construction and Design Climate Sciences
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Smart-ECO: a real vision for energy efficient architecture towards 2030 -- Holistic design applying innovative technologies -- Innovative technological solutions -- Meeting Future Requirements.
Sommario/riassunto	The book aims to provide a basis for design and construction of resource-efficient buildings. The main concepts follow the vision of a European Sustainable Building as defined in the 2-years Smart-ECO research project funded by European Commission under the Sixth Framework Program. The focus is concentrated on innovations enabling the building sector to meet the requirements originating from the sustainability concept. Innovation is considered at different scales: micro (product, service and process), meso (sector, supply chain, region and system) and macro (economy-wide). Furthermore, the book focuses on aspects of relevance when striving to implement innovative technologies in building design: an integrated design process is

indispensable to obtain a Smart-ECO building, independently of how effective a single technology is. Each chapter provides information on fundamental aspects of innovations towards resource-efficient buildings, shows examples and makes further guidance by way of a dedicated bibliography. Case studies are predominantly recent projects or experiences improving understanding and encouraging implementation.
