Record Nr. UNINA9910737280703321 Autore Ceschin Fabrizio Titolo Design for Sustainability: A Multi-level Framework from Products to Socio-technical Systems [Place of publication not identified]:,: Routledge,, 2019 Pubbl/distr/stampa **ISBN** 0-429-45651-4 Edizione [First edition.] Descrizione fisica 1 online resource (xiv, 172 pages) Collana Routledge Focus on Environment and Sustainability Altri autori (Persone) Gaziulusoyldil Disciplina 363.7 Soggetti NATURE / Ecology SCIENCE / Environmental Science Ecological engineering Sustainable development Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Introduction 1. Addressing sustainability by design 2. Green design and Nota di contenuto product ecodesign 3. Emotionally durable design 4. Design for sustainable behaviour 5. Cradle-to-cradle design 6. Biomimicry Design 7. Product-service system design for sustainability 8. Design for the base of the pyramid 9. Design for social innovation 10. Systemic design 11. Design for sustainability transitions 12. Reflections on the past. present and future of DfS Sommario/riassunto This book discusses the most significant ways in which design has been applied to sustainability challenges using an evolutionary perspective. It puts forward an innovation framework that is capable of coherently integrating multiple design for sustainability (DfS) approaches developed so far. It is now widely understood that design can and must play a crucial role in the societal transformations towards sustainability. Design can in fact act as a catalyst to trigger and support innovation, and can help to shape the world at different levels: from materials to products, product-service systems, social organisations and socio-technical systems. This book offers a unique perspective on how DfS has evolved in the past decades across these innovation levels, and provides insights on its promising and necessary future

development directions. For design scholars, this book will trigger and

feed the academic debate on the evolution of DfS and its next research frontiers. For design educators, the book can be used as a supporting tool to design courses and programmes on DfS. For bachelor's and master's level design, engineering and management students, the book can be a general resource to provide an understanding of the historical evolution of DfS. For design practitioners and businesses, the book offers a rich set of practical examples, design methods and tools to apply the various DfS approaches in practice, and an innovation framework which can be used as a tool to support change in organisations that aim to integrate DfS in their strategy and processes.