

1. Record Nr.	UNINA9910955089103321
Titolo	Unmaking waste in production and consumption : towards the circular economy / / edited by Robert Crocker, Christopher Saint, Guanyi Chen and Yindong Tong
Pubbl/distr/stampa	Bingley : , : Emerald Publishing, , 2018
ISBN	9781787149960 178714996X 9781787146198 1787146197
Edizione	[First edition]
Descrizione fisica	1 online resource (xxi, 376 pages) : illustrations
Classificazione	52.16.08 16.20.24
Disciplina	658.5752
Soggetti	Product design - Environmental aspects Recycled products Sustainable development Environmentalism - Economic aspects Nature - Environmental Conservation & Protection Waste management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index
Nota di contenuto	From 'spaceship earth' to the circular economy: the problem of consumption / Robert Crocker -- Can economics assist the transition to the circular economy? / Martin Shanahan -- China's policies for promoting a circular economy: past-decade experiences, future plans and success stories / Xu Zhao -- Biosolids: the growing potential for use / Chin How (Norman) Goh, Michael D. Short, Nanthi S. Bolan and Christopher P. Saint -- Considering 'waste Value' in the circular economy / Helene Cherrier, Meltme Ture, and Nil Ozcaglar-Toulouse -- Circular by design: a model for engaging fashion/textile SMEs with strategies for designed reuse / Jen Ballie and Mel Woods -- The ByeBuy! Shop: testing shopping scapes in a circular economy / Kirsty Mate -- What role for social enterprises in the circular economy? / Ruth

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Sommario/riassunto

The legacies of a century of fossil-fuel based development and overconsumption, of treating the environment as a waste sink for industry and agriculture, have left devastating impacts on the earth's air, water and land, and these are directly implicated in Climate Change. In response, a number of global institutions and nations, including the European Union and China, have committed themselves to the development of a circular economy. This will require a transformation of today's linear economy of make, use and dispose as the market dictates, into a Circular Economy. The aim of the Circular Economy is to decouple economic growth from resource and energy use through iterative, systemic social, economic and technological reform. This book presents new theoretical and practical insights into this concept, based on case studies from both the developing and developed world, with an emphasis on economic and material transformation, design for reuse and waste reduction, industrial symbiosis (the planned circulation of resources and energy within an industrial setting), and social innovation and entrepreneurship. Four central themes emerge through the essays presented here: the importance of restorative design in transforming resource flows through both production and consumption, the value of understanding and enumerating wastes in more detail to enable their reuse, the central role of advancing technology and applied science to further this transformation of materials for reuse, and finally, a reconfiguration of design, consumption and retail, so that the present linear economy of make, use and trash can be replaced with a more circular model.