The passage from a linear to a circular approach has characterised waste management strategies over the last few decades. Attention is currently moving from the limited and fixed stocks of raw materials to the increasing anthropogenic stocks of materials. Urban Mining activities operate in this context, representing actions and technologies finalized towards the recovery of secondary raw materials and energy from products of the urban catabolism. Urban Mining therefore provides a systematic management of anthropogenic resources stocks (products and buildings) and waste, in the view of long term environmental protection, resource conservation and economic benefits. This monograph includes some of the most significant scientific contributions on Urban Mining presented during the Conferences organized by IWWG, in particular the Symposium in Bergamo, and constitutes a useful tool for professionals and administrators involved in the field.

_CISA Publisher, 440 pages, ISBN 978-88-6265-001-4_

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However, this waste contains resources that we’ve yet to utilize. To create sustainable societies, we need to approach zero waste by recovering these resources. There are cities and countries where zero waste is close to becoming a reality. The Gasification and Pyrolysis of Waste Tobias Richards Metal Recycling Christer Forsgren Material and Energy Recovery from Electrical and Electronic Equipment Waste: Status, Challenges, and Opportunities Efthymios Kantarelis, Panagiotis Evangelopoulos, and Weihong Yang Recycling of Thermoset Composites Mikael Skrifvars and Dan Åkesson Recycling of Papers and Fibers Samuel Schabel, Hans-Joachim Putz, and Winfrid Rauch Product Design for Material Recovery Taina Flink and.