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Titolo	Environmental Performance and Social Inclusion in Informal Settlements : A Favela Project Based on the IMM Integrated Modification Methodology // edited by Gabriele Masera, Massimo Tadi
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Collana	Research for Development, , 2198-7319
Disciplina	307.12160981 3607.12160981
Soggetti	Sociology, Urban Ecology Renewable energy sources Refuse and refuse disposal Quality of life Urban Sociology Environmental Sciences Renewable Energy Waste Management/Waste Technology Quality of Life Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. The Rocinha favela and past slum upgrading programmes in Rio de Janeiro / Brazil; shortcomings of past experiences and limitations of fragmented transformation actions -- 2. The Integrated Modification Methodology (how it works + past examples of its application to formal contexts + comparison with other methodologies/tools used for similar purposes) -- 3. Analysis of the existing situation (IMM Diagnostic phase) -- 4. Urban metabolism and identification of intervention areas (IMM Assumption phase) -- 5. Projects: energy -- 6. Projects: ecosystem -- services -- 7. Projects: waste -- 8. Projects: wastewater treatment -- 9. Projects: food -- 10. Projects: mobility -- 11. Analysis of system-wide improvements (IMM Retrofit phase) -- 12. Conclusions.

Sommario/riassunto

This book discusses the potential of a systemic and multidisciplinary design approach to improve urban quality, health, livability, and inclusiveness for people living in informal settlements. In most instances, attempts to address informal settlements lack an adequate assessment of their impact on the wider built environment and implementation of the UN's Sustainable Development Goals. The Integrated Modification Methodology (IMM), introduced here, offers a systematic, multidisciplinary design tool encompassing several of the aspects that define the environmental performance of urban systems. The book also demonstrates the application of the methodology to an informal settlement, proving its potential to guide systemic urban transformations, also in urban areas lacking formal planning. The case study investigated is in the Rocinha favela in Rio de Janeiro, which is characterized by poor water quality, lack of drainage and sanitation systems, and very few green spaces. Based on a rigorous methodology, the process described here can also be applied in similar contexts around the world.
