Compact Cities

Sustainable Urban Forms for Developing Countries

Edited by Mike Jenks Rod Burgess

Contents

Contributors	VIII
Acknowledgements	xi
Introduction	
Sustainable Urban Form in Developing Countries? Mike Jenks	1
Part One Compact Cities in the Context of Developing Countries	
Introduction	7
The Compact City Debate: A Global Perspective Rod Burgess	9
Compact Cities in Developing Countries: Assessment and Implications Harry W. Richardson, Chang-Hee Christine Bae and Murtaza Baxamusa	25
Compact City Policies for Megacities: Core Areas and Metropolitan Regions Tony Lloyd Jones	37
The Regional Dimension of the Compact City Debate: Latin America Marisa Carmona	53
The Agricultural Consequences of Compact Development: The Case of Asian Cities Thomas A. Clark and Te-I Albert Tsai	63

The Need for Compact Development in the Fast-Growing Areas of China: The Pearl River Delta Anthony Gar-on Yeh and Xia Li	73
The Sustainable City as Metaphor: Urban Environmentalism in Medellín, Colombia Peter Brand	91
A High-Density 'Instant' City: Pudong in Shanghai Stephen S. Y. Lau, Q. M. Mahtab-uz-Zaman and So Hing Mei	103
Urban Climate and Compact Cities in Developing Countries Silvia de Schiller and John Martin Evans	117
Part Two Intensification, Urban Sprawl and the Peripheries	
Introduction	125
Can Urban Management Deliver the Sustainable City? Guided Densification in Brazil versus Informal Compactness in Egypt Claudio C. Acioly Jr.	127
City Expansion Policy versus Compact City Demand: The Case of Dhaka Q. M. Mahtab-uz-Zaman and Stephen S. Y. Lau	141
The Inverted Compact City of Delhi Ashok Kumar	153
Views from the Urban Fringe: Habitat, Quality of Life and Gender in Santiago, Chile Giulietta Fadda, Paola Jirón and Adriana Allen	167
Minimising the Negative Effects of Urban Sprawl: Towards a Strategy for Brazil Antonio Nelson Rodrigues da Silva, Archimedes Azevedo Raia Jr. and Antonio Clovis Pinto Ferraz	183
Rethinking the Compact City: Informal Urban Development in Caracas Kerstin Zillmann	193
Part Three Responses to Compaction at Low and High Densities	
Introduction	207

The Relevance of the Compact City Approach: The Management of Urban Growth in South African Cities David Dewar	209
Cultural and Institutional Obstacles to Compact Cities in South Africa Maria D. Schoonraad	219
From Fragmentation to Compaction? The Case of Durban, South Africa Alison Todes, Teresa Dominik and Doug Hindson	231
High-Rise and High-Density Compact Urban Form: The Development of Hong Kong Xing Quan Zhang	245
The Compact City of Hong Kong: A Sustainable Model for Asia? Q. M. Mahtab-uz-Zaman, Stephen S. Y. Lau and So Hing Mei	255
Part Four Transport, Infrastructure and Environme	nt
Introduction	269
Transport Dilemmas in Dense Urban Areas: Examples from Eastern Asia Paul A. Barter	271
Bangkok Mass Transit Development Zones Malcolm Moor and Clarke Rees	285
Bulk Engineering Services: Costs and Densities Sharon Biermann	295
Compact City Environmental Strategies: Calcutta's Urban Ecosystem Paul F. Downton	311
Spatial Analysis of Urban Sustainability: Tainan City, Taiwan Ko-Wan Tsou, Yu-Ting Hung and Yao-Lin Chang	321
Energy Use and Household Income: A Developing Country Perspective B. Sudhakara Reddy	331
Conclusion	
The Appropriateness of Compact City Concepts to Developing Countries Mike Jenks	343
Index	351