Megacities

Our Global Urban Future
Contents

1 Megacities and Global Change ...................................................... 1
   Frauke Kraas and Günter Mertins

Part I  Physical Space, Land and Resources

2 Megacities and Climate Change: Early Adapters, Mainstream Adapters and Capacities ........................................... 9
   Bernd Hansjürgens and Dirk Heinrichs

3 Underground Cities........................................................................... 25
   Eduardo F.J. de Mulder, Jacques Besner, and Brian Marker

4 Water Quality and Socio-Ecological Vulnerability Regarding Urban Development in Selected Case Studies of Megacity Guangzhou, China.................................................. 33
   Rafig Azzam, Ramona Strohschön, Klaus Baier, Lin Lu, Katharina Wiethoff, Anna Lena Bercht, and Rainer Wehrhahn

5 Food Security in Dhaka: Between Global Risks and Local Vulnerabilities ..................................................... 59
   Markus Keck, Benjamin Etzold, Hans-Georg Bohle, and Wolfgang-Peter Zingel

6 Land Development Strategies in Megacities: Guiding Land Use and Land Rights in the Context of Urban Sprawl and Informality .................................................. 75
   Babette Wehrmann

7 The Influence of Foreign Direct Investment on Land Use Changes and Regional Planning in Developing-World Megacities: A Bangalore Case Study ............................................ 81
   Margaret Pugh O’Mara and Karen C. Seto

Part II  Economic, Social and Infrastructure Transformation

8 Inner-City Development in Megacities Between Degradation and Renewal: The Case of São Paulo .................................................. 101
   Martin Coy and Tobias Töpfer
9 Agile Firm Organisation and Upgrading in the Greater Pearl River Delta .................................................... 121

10 Global Change, National Development Goals, Urbanisation and International Migration in China: African Migrants in Guangzhou and Foshan .................................................. 135
Tabea Bork-Hüffer, Birte Rafflenbeul, Frauke Kraas, and Zhigang Li

11 Phobopolis: Violence, Fear and Sociopolitical Fragmentation of the Space in Rio de Janeiro, Brazil .................. 151
Marcelo Lopes de Souza

12 Dar es Salaam, Megacity of Tomorrow: Informal Urban Expansion and the Provision of Technical Infrastructure ............................................................. 165
Alexandra Hill, Tanja Hühner, Volker Kreibich, and Christian Lindner

13 Bus Rapid Transit: The Answer to Transport Problems in Megacities? The Example of TransMilenio (Bogotá, Colombia) ........................................ 179
Jan Marco Müller

Part III Governance and Management

14 Governance in Megacities: Experiences, Challenges and Implications for International Cooperation ........................................ 195
Shipra Narang Suri and Günther Taube

15 Managing the Metropolis: Planning in New York City .......... 201
Werner Gamerith

16 E-Governance Initiatives in India: Case Studies from Hyderabad and Bangalore ............................................. 211
Christoph Dittrich

Index .......................................................................................................................... 219