

Future Megacities



Elke Pahl-Weber, Bernd Kochendörfer, Lukas Born, Carsten Zehner, Ulrike Assmann (eds.)

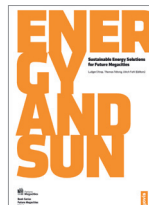
With its funding priority 'Research for the Sustainable Development of Megacities of Tomorrow', the German Federal Ministry of Education and Research is focusing on energy and climate-efficient structures in nine fast-growing cities as they offer the opportunity for sustainable urban development.

Volume 1: Energy and Sun

Sustainable Energy Solutions for Future Megacities

Ludger Eltrop, Thomas Telsnig, Ulrich Fahl (eds.)

Solar energy is in focus worldwide. So is the role of cities and public governments for creating a more sustainable urban future. This volume highlights the role of solar energy and other solar related energy technologies for a low carbon and sustainable energy system, particularly for cities and city regions in the South.



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248 pages with numerous col.

English

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08.2013

Volume 2: Mobility and Transportation

Concepts for Sustainable Transportation in Future Megacities

Wulf-Holger Arndt (ed.)

The growth of megacities creates huge challenges. One of them is reshaping of mobility patterns in cities, promoting energy efficiency and principles of low carbon development. In this volume, an overview is provided of solutions comprising concepts for sustainable transportation through intelligent management, innovative instruments for integrated transport planning, modelling systems, adaptation strategies in the transport sector and concepts for enhancing public transit.



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Volume 3: Capacity Development

Approaches for Future Megacities

Bernd Mahrin (ed.)

The projects in the Future Megacities programme gain valuable experiences in developing energy efficient standards and urban structures with adequate conditions to treat resources with care and avoid unnecessary emissions. To achieve the ambitious objectives, it is essential to convince and enable people to take an active part in sustainable development. This requires qualification and education efforts at different levels, with different target groups and for different topics.



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Volume 4: Local Action and Participation

Lessons Learned from Participatory Projects and Action Research in Future Megacities

Angela Jain, Sabine Schröder, Ulrike Schinkel (eds.)

The significance of bottom-up approaches initiated by civil society as well as the importance of the local level as the level for implementation is often overlooked when dealing with megacity developments. The main aim of this volume is to retrospectively trace participatory and local action approaches to climate change adaptation and mitigation in urban areas from seven case studies of the programme.



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Volume 5: Space, Planning, and Design

Integrated Planning and Design Solutions for Future Megacities

Elke Pahl-Weber, Frank Schwartze (eds.)

In focus of this volume are five emerging megacities and mega-urban regions across the globe. Located in different climatic areas, determined by different economic development conditions and political frameworks each city has to address different local challenges.



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ISBN 978-3-86859-277-1

04.2014

Young Research Forum

Research Papers for Future Megacities on Governance, Water, Planning, and Mobility

Lukas Born (ed.)

The German research program on sustainable development of Future Megacities has lasted for eight years until 2013. Major results are summarized in the Future Megacities Book Series. Besides senior scientists, ambitious young researchers have made their contributions to the program as well. As all contributions were awarded with the Young Researchers' Award of the program in 2013, this volume contains a small but exemplary selection of their scientific work.



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