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Marcel Langner / Wilfried Endlicher (eds.)

## Shrinking Cities: Effects on Urban Ecology and Challenges for Urban Development

Frankfurt am Main, Berlin, Bern, Bruxelles, New York, Oxford, Wien, 2007.

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Cities in highly industrialised countries have grown over time, yet the phenomenon of shrinking cities occurs in many regions. Urban shrinkage has various impacts on urban ecology, which can be observed on urban brownfield sites in particular. The integration of brownfield sites with sustainable urban development must be managed, and this presents new challenges for urban planners.

The introductory chapters of this publication give an overview of urban ecology concepts and how research in this field is affected by urban shrinkage. The following sections are concerned with botanical aspects of shrinking cities, perception of nature in the context of shrinkage and discussion of aspects of urban planning with reference to several regional examples. The book concludes with an examination of urban shrinkage during the life cycles of city archetypes.

*Contents:* Urban Ecology – Definitions and Concepts · Shrinking Cities – A New Challenge for Research in Urban Ecology · Urban Brownfields as Temporary Habitats: Strategies of Plants for Survival in a Changing Environment · Urban Form and Biodiversity · Shrinking Cities – New Urban ‚Socio-natures‘? · Current Trends in Urban Regeneration and Restructuring in Germany and their Effects on Sustainability · Six Years of *Stadtumbau Ost* („Urban Restructuring East“) Programme: Difficulties of Dealing with Shrinking Cities · Density as a Tool to Guide Urban Shrinkage Concerning Public Works? · Shrinking Cities – Opportunities and Challenges for Urban Green Space Planning: Experiences at the Large Housing Estate of Leipzig-Grünau · Trams and the Regeneration of Brownfield Sites · Urban Shrinking in the Life Cycles of City Archetypes



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