

1. Record Nr.	UNINA9910734345103321
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Titolo	Adaptive Urban Transformation : Urban Landscape Dynamics, Regional Design and Territorial Governance in the Pearl River Delta, China / / edited by Steffen Nijhuis, Yimin Sun, Eckart Lange
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-030-89828-8
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (xii, 314 pages) : illustrations (some color)
Collana	The Urban Book Series, , 2365-7588
Classificazione	ARC008000NAT023000POL028000
Altri autori (Persone)	NijhuisSteffen SunYimin LangeEckart
Disciplina	710
Soggetti	Landscape architecture Political science Natural disasters Landscape Architecture Governance and Government Natural Hazards
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part 1: Introduction -- Introduction: Adaptive urban transformation in the Pearl River Delta -- Multi-level regional governance and spatial development in the Pearl River Delta -- Spatial dynamics in the Pearl River Delta and development strategies -- Part II: Spatial strategy and design -- Territorial governance and spatial planning in Europe: The relevance for flood risk management in the Chinese Pearl River Delta -- A landscape-based regional design approach for sustainable urban development in the Pearl River Delta -- PRD design explorations: Experimenting with adaptive design principles through design -- Unrelenting change -- Part III: Stakeholder participation and visualization -- Stakeholder participation and visualisation in sustainable urban transformation -- Bridging the analogue-digital divide in stakeholder engagement -- Urban planning exhibition halls in the Pearl River Delta for planning communication and public

participation -- Part IV: Socio-ecological perspectives -- Industrial transformation and sustainable urban planning in the Pearl River Delta: A landscape-based approach -- Historical canals as urban landscape infrastructure in Guangzhou: Reactivating public life through water -- From modelling and analysis of accessibility of urban green space to green infrastructure planning: Guangzhou as a case study -- Inclusive urban transformation: Embracing the values of urban villages in the PRD Region -- Wetland Parks in Guangzhou: Ecosystem services and perception -- Community supported agriculture in the Pearl River Delta.

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#### Sommario/riassunto

This open access book provides a cross-sectoral, integrative and multi-scale design and planning approach for adaptive urban transformation of fast urbanising deltas, taking the Pearl River Delta (China) as a case study. Deltaic areas are among the most promising regions in the world. Their strategic location and superior quality of their soils are core factors supporting both human development and the rise of these regions as global economic hubs. At the same time, however, deltas are extremely vulnerable to multiple threats from both climate change and urbanisation. These include an increased flood risk combined with the resulting loss of ecological and social-cultural values. To ensure a more sustainable future for these areas, spatial strategies are needed to strengthen resilience, i.e. help the systems to cope with their vulnerabilities as well as enhance their capacity to overcome natural and artificial threats. The book provides a unique approach that integrates research in urban landscape systems, territorial governance and visualisation techniques that will help to achieve more integrated and resilient deltas. Based on an assessment of the dynamics of change regarding the transformational cycles of natural and urban landscape elements, eco-dynamic regional design strategies are explored to reveal greater opportunities for the exploitation of natural and social-cultural factors within the processes of urban development.

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