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Building Urban Resilience through Change of Use
Sara J. Wilkinson (Editor), Hilde Remøy (Editor)

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DESCRIPTION

Describes all aspects of sustainable conversion adaptation of existing buildings and provides solutions for making urban settlements resilient to climate change

This comprehensive book explores the potential to change the character of cities with residential conversion of office space in order to withstand the negative effects of climate change. It investigates the nature and extent of sustainable conversion in a number of global cities, as well as the political, economic, social, technological, environmental, and legal drivers and barriers to successful conversion. The book also identifies the key lessons learned through international comparisons with cases in the UK, US, Australia, and the Netherlands.

*Building Urban Resilience Through Change of Use* covers the benefits and aspects of sustainable conversion adaptation through the whole lifecycle from inception, planning, and design, to procurement, construction, and management and operational issues. It illustrates and quantifies, through empirical research, the changes that have been achieved or delivered in sustainable conversion adaptation. The book gives an overview of all aspects of performance characteristics and the conversion adaptation of existing buildings. In the end, it enables planners to make more informed decisions about whether conversion adaptation is a good choice—and if so, which types of sustainability measures are best suited for projects.

• Provides detailed, empirical knowledge based on real-world research undertaken in five countries over three continents on both a citywide scale and on individual buildings
• Case studies and exemplars demonstrate the application of the knowledge in North and South America, Canada, Australia, New Zealand, and in Europe

• Addresses the key themes of technology, finance and procurement, and the regulatory framework

The first research-based book to examine how to improve resilience to climate change through sustainable reuse of buildings, *Building Urban Resilience Through Change of Use* is a welcome book for researchers and academics involved in building surveying, urban development, and sustainability planning.

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**ABOUT THE AUTHOR**

The Editors

**SARA J. WILKINSON, BSc, MA, MPhil, PhD, FRICS, AAPI**, is an Associate Professor at the University of Technology Sydney. Working at the intersections of sustainability, resilience, building adaptation and transformation, her research aims to improve local, national and international outcomes of urban development in respect of: climate change and a growing urbanised population. Sara practiced for several years in the public and private sectors. She engages in trans-disciplinary research with colleagues from science, health, business, technology and built environment, publishing over 150 outputs including books, research reports, journal and conference papers. She contributes to the surveying profession through national and international committees, accreditation and APC assessment.

**HILDE REMØY, PhD, MSc**, is Associate Professor in Real Estate Management at the Faculty of Architecture and the Built Environment of Delft University of Technology. After an international educational and professional path, including Norway, Italy, and the Netherlands, she is now teaching, researching and writing (over 100 publications) on office vacancy, sustainable building adaptation and conversion. In this work, sustainability, resilience, lifespan and continued re-use of historic buildings are the main points. Hilde is involved in research ranging from large scale European funded projects to contract research for Dutch practice, working with researchers and professionals of various disciplines and backgrounds.

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**SERIES**

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