

TABLE OF CONTENTS

	Preface by Ronald Waterman	7
	Introduction	
	Andy van den Dobbelsteen, Machiel van Dorst, Arjan van Timmeren	9
special	What is Green Architecture and Planning? – Five Propositions Ken Yeang	15
A	Regional and Urban Planning	
special	Sustainable Real Estate for a Changing Climate John Worthington	23
1	Urban Sustainability Science as a New Paradigm for Planning Chrisna Du Plessis	31
2	Regional Planning for a Changing Climate in the Province of Groningen Rob Roggema	47
3	Urban Water Tissue: Analysing the Urban Water Harvest Potential Claudia Agudelo, Adriaan Mels, Ronald Rovers	63
4	Urban Surface Water Application for Climate-Robust Cooling of Buildings with Aquifer Energy Storage Kees Wisse	79
B	Building, Skin and Technology	
special	One Planet Architecture Thomas Rau	95
5	The Well-Tempered Envelope: A Prototype as a Sustainable Residential Building Agnese Ghini	103
6	Zero Carbon Building Methods: The Case of Hempcrete Projects Tom Woolley	119

7	Development of a Membrane Roofing System with Integrated Climate Control for Community Shelters Roel Gijsbers, Marc Cox, Tim De Haas, Peter Kok, Harm Hulsbergen	133
---	---	-----

C Management and Transformation

special	The Promising Combination of Sustainable Housing Transformation and Industrial, Flexible and Demountable Building Anke van Hal	151
8	Transformation of Monofunctional Office Areas Hilde Remøy, Hans de Jonge	159
9	Towards Economic Sustainability through Adaptable Buildings Anupa Manewa, Christine Pasquire, Alistaire Gibb, Robert Schmidt	171
10	Knowledge on Urban Microclimates in the Urban Planning and Design Process Marjolein van Esch	187
11	Can Public Policies Change the World? The Potential of Public Policy to Stimulate Radical Change Ellen van Bueren	201
special	Research by Design in the Debate on Wind Turbines in the Netherlands Dirk Sijmons	219

Epilogue

	Andy van den Dobbelen, Machiel van Dorst, Arjan van Timmeren	233
--	--	-----

	Acknowledgements	239
--	-------------------------	-----

	Index	241
--	--------------	-----

	Abstracts	243
--	------------------	-----