Contents

List of Figures x List of Tables xv Acknowledgements xvi

Introduction 1

Green wedge: Definitions 2
Interdisciplinarity, locality, temporality and scale 3
The structure 4
Methods and sources 6

PART ONE Green Wedges in History 7

1 Urban Planning with Nature 9

The Enlightenment and the pursuit of nature 10
The Industrial Revolution and the disintegration of open spaces 12
The rise of town planning 17
Ring vs radial growth 18
Park systems 21

2 The Emergence and Diffusion of the Green Wedge Idea 27

Radial planning, radial parks and green wedges 27 Intrinsic opposition: Belts vs wedges 30 Opposition resolved: Belts and wedges as elements of the same park system 44 The socialist city 57 viii CONTENTS

3 Towards a Bright Future: Green Wedge Visions for the

Post-war Period 67

London: The green wedge metropolis 67

New towns and green spaces 89 Planning new beginnings 95

4 Polycentrism and Regional Planning 107

Organizing the territory 107

The corridor-wedge model 114

The Green Heart and green wedges of Randstad in the Netherlands 124

PART TWO Green Wedges Today 131

5 Green Spaces, Networks and Contemporary Challenges 133

The benefits of green spaces 133

The birth of urban design and the 'Star City' 137

Green infrastructure 140

Landscape Ecology 142

Landscape Urbanism 143

Sustainability and resilience in face of climate change 144

6 Towards Sustainable and Resilient City-regions 149

Stockholm: Blue and green wedges 149

The Copenhagen Finger Plan: The development of a model 166

The green fingers of Helsinki 174

Randstad: From Green Heart to Green-Blue Delta 182

Melbourne towards 2030 186

Freiburg: The green wedge and the mountain-valley systems 189

7 Green Wedges: From the City-region to the Neighbourhood 195

Hamburg green network plan 195

The Raggi Verdi of Milan 198

Songzhuang Arts and Agriculture city: A new form of urban-rural

relationship 202

Green wedges at multiple scales: Viikki 204

CONTENTS

Rieselfeld 207

Vauban 210

The neighbourhood scale: Dunsfold Park, UK 212

The green wedge as a typology: La Sagrera Linear Park 213

Green Wedge Urbanism: Past, Present and Future 217

The green wedge idea: From the city scale to the polycentric region 217 Towards a theory of green wedge urbanism 220 Final words 226

Notes 229 Bibliography 259 Index 279