

Contents

<i>List of Figures</i>	<i>vi</i>
<i>List of Tables</i>	<i>viii</i>
<i>Preface</i>	<i>ix</i>
<i>Acknowledgements</i>	<i>xi</i>
<i>About the Author</i>	<i>xii</i>

PART I: THE CONTEXT: PUBLIC SPACE AND CYBERSPACE

1	Introduction	3
2	Cyberspace and the City's Public Sphere	8
3	Exploring the Digital City	32

PART II: THE EARLY STEPS OF THE DIGITAL CITY

4	The Web Cities Phenomenon in Europe	71
5	History of a Civic Network: Iperbole in Bologna	101
6	When Bristol Went Digital	147

PART III: ISSUES, DILEMMAS AND THE FUTURE

7	Lessons to be Learnt from Bologna and Bristol	181
8	Conclusions: What Next for the Digital City?	197
	<i>Bibliography</i>	<i>215</i>
	<i>Index</i>	<i>221</i>

List of Figures

3.1	Screenshot of 'The Palace' Internet chat software	34
3.2	'Barclaysquare', an early experiment of commercial virtual environment	35
3.3	'Marketsquare' another example of urban metaphors being used for commercial sites	36
3.4	The 'Envisage' virtual mall, based on three-dimensional VRML technology	37
3.5	'Cybertown', a complex, interactive virtual environment with no links with any physical place	39
4.1	Civic web sites per surveyed city	76
4.2	Typological distributions of web cities	77
4.3	City-related web sites and density by country	78
4.4	Digital cities and density by country	79
4.5	Who runs the web cities	80
4.6	Who runs the digital cities	81
4.7	Economy and business-related information	84
4.8	Web cities and provision of web sites to organisations	85
4.9	Web cities in the EU: tourist information	85
4.10	Web cities in the EU: level of interaction	86
4.11	Web cities in the EU: advertising	87
4.12	Digital cities in the EU: advertising	88
4.13	Web cities in the EU: individual pages	89

4.14 Web cities in the EU: public forums	90
4.15 Web cities in the EU: individual pages and local targets	90
4.16 Web cities in the EU: public forums and local targets	91
4.17 Web cities in the EU: access selectivity	92
4.18 Web cities in the EU: languages used	93
4.19 Web cities in the EU: languages used, excluding UK and Ireland	94
4.20 Web cities in the EU: offer of local information and services	95
4.21 Web cities and provision of web sites to organisations, related to local targets	99
5.1 The Iperbole web site in its early days	106
5.2 Vicenza's site based on the Iperbole software	109
5.3 Ravenna's site based on the Iperbole software	110
5.4 The Iperbole home page	116
5.5 The newsgroups page in the early Iperbole	124
5.6 The 'virtual city' 3D interface option of Iperbole	126
5.7 The 'Senior Online' project	142
6.1 The 'urban' interface of De Digitale Stad (DDS) Amsterdam	150
6.2 The early interface of Digital City Bristol Interactive (DCBI)	151
6.3 The Java-free version of Digital City Bristol	161
6.4 The new, non-urban interface of Digital Bristol	162
6.5 The empty 'boats' in Digital Bristol's harbour	168
6.6 The virtual residencies in DDS Amsterdam	169

List of Tables

4.1	Survey-related issues	71
4.2	Ideal types of city-related web sites	73
7.1	Case studies comparison summary	195