

Contents

Preface ix Acknowledgments xvii

- 1 Cities and Imagination 3
- 2 The Hybrid Ecosystem A Hypothesis 11
- 3 Reframing Urban Ecology 58
- 4 Emergent Properties in Coupled Human-Natural Systems 84
- **5** Resilience in Hybrid Ecosystems 106
- **6** Eco-Evolution on an Urban Planet 133
- **7** Reverse Experiments 164
- 8 Incomplete Knowledge, Uncertainty, and Surprise 179
- **9** Scenarios Imagining the Possible 192
- 10 Building Cities That Think like Planets 207

Glossary 225 Bibliography 231 Index 265