Index

air quality 18, 30, 34–5
air pollution 38, 76, 232
   -related fatalities 30
sources of 31
biological pollutants 32–3
   biologically derived volatile organic
   compounds (BVOCs) 32–3, 37–8,
   43–4, 76–7
   spores 32
concentration limits 30–31
role of vegetation in 30–33, 41, 43–4
street trees 33–4, 36
air temperature 41
   regulation of 44
   use of vegetation in 72
ancient Greece 319
Aristotle 319
Arnell, Nick 52
arsenic (As) 30
Arup
   Cities Alive 364–5
Ashworth, G. 303, 306
Atkinson, G. 400
Atlantic Gateway 130, 136–7
Atlas Capital Group 159
Australia 16, 54, 231, 234, 256
   Australian Disability Discrimination (1992) 246
   Melbourne 57, 277
   Parks Victoria 342
   Urban Forest Strategy 454
   Sustainable Landscapes Project 237
Sydney 234
   Central Park building 234
Austria
   Vienna 31
Baca LiFE project 58
Banerjee, T. 247
Bankside Open Spaces Trust 341
Barratt Homes 152, 378
Belgium 360
   Bruges 110
benzene (C₆H₆) 30
Berque, Augustin 317–18
biodiversity 3, 96–8, 136, 185, 187, 234, 435, 447
   bird species 90–91
designing green infrastructure for 96–9
   connectivity 93
   habitat creation 97
   heterogeneity 92–3
   management 95
   native species 93–4
   patch size 93–4
   use of brownfield/contaminated sites 97
indicators
   global 87
   loss of 118, 169, 451
   role of urbanisation in 87–9
   plant 89, 93
   urban environment 88–9
woodland 437
Biosfer Dyfi Biosphere 359–60
Birmingham Open Spaces Forum 367
Blair, Tony 381
Body Mass Index (BMI) 16
Boeri, Stefano
   Vertical Forest project 453
Boston Park System (Emerald Necklace) 13
blue infrastructure 18, 51, 54, 57–8
blue-green infrastructure 2, 17–18, 59
   detention basins 61
   green roofs 60
   potential of 59
   rain gardens and bioswales 61
   retention ponds 61
   small business 60
   swales 61
   tree pits 61
Bradshaw, A.D. 395–6
   Restoration of Land, The 400
Brazil 256
   Rio de Janeiro
   Copacabana 321
British Standards Institution 404
Buffalo Park System 14
cadmium (Cd) 30
Cambridge Futures Group 147
Cambridgeshire and Peterborough Structure
   Plan (2003) 147
Cambridgeshire Horizons 148
   Quality of Life programme 149
Canada 234, 256, 277, 309
   British Columbia 308, 313
<table>
<thead>
<tr>
<th>Page Numbers</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>466</td>
<td>Handbook on green infrastructure</td>
</tr>
</tbody>
</table>

| River, Frasier 309 |
| Toronto 234 |
| Vancouver 6, 307–11, 313–14, 356 |
| City of (COV) 308 |
| Downtown District Official Development Plan (1975) 308, 311 |
| Downtown Vancouver Skyline Study 308, 311, 313 |
| General Policy for Higher Buildings (1997) 308 |
| Greenest City 2020 Action Plan (GCAP) 367 |
| Stanley Park 307 |
| Vancouver City Council 313–14 |
| Vancouverism 309–11 |
| View Protection Guidelines (1989) 311 |
| Canyon-Johnson Urban Funds 159 |
| capital 58, 345 |
| investment 137, 345 |
| mobile 304 |
| natural 169, 174 |
| social 284 |
| carbon dioxide (CO₂) 2, 35, 38 |
| atmospheric 44 |
| emissions 366 |
| anthropogenic 38, 40 |
| energy-related 38 |
| reduction of 244 |
| removal 43 |
| urban surfaces 39–40 |
| carbon monoxide (CO) 30, 32 |
| concentration of 36–7 |
| carbon sequestration 76, 399 |
| Central Scotland Green Network Trust (CSGNT) 365–6 |
| Centre for Economics and Business 248 |
| Chadwick, M.J. 395–6 |
| Restoration of Land, The 400 |
| China, People’s Republic of 106, 112 |
| Ciorra, Pippo 168 |
| City Parks Alliance 348 |
| climate change 1, 17, 30, 40, 51–2, 54, 63, 84, 88, 106, 137, 168, 346, 352, 355, 364, 371, 408, 450–51, 454, 456 |
| adaptation 2, 93–4, 118, 128–9, 136, 236, 371 |
| mitigation 2, 31, 75, 118, 169, 238, 399, 410 |
| use of urban vegetation 38–9 |
| threat to biodiversity 98 |
| climate regulation 54, 185, 426, 451 |
| Commission for Architecture and the Built Environment (CABE) 237, 249, 257 |
| Skills to Grow: Seven Priorities for Green Space Skills 345 |
| Community Forest Partnerships 112–13 |
| Mersey Forest, The 3–4, 113, 124–5, 127–8, 130, 132, 137–9, 368, 399 |
| Forum 127 |
| Green Infrastructure Unit (GIU) 127 |
| Liverpool City-Region and Warrington Green Infrastructure Framework 137 |
| Liverpool Green Infrastructure Strategy 137 |
| Think Tank (GrITT) 127 |
| North-East Community Forest 113 |
| Red Rose Forest 113, 125, 127 |
| community involvement 354, 360, 370–71 |
| benefits of 354–5 |
| community interest companies (CICs) 356–7 |
| definition of 355–6 |
| experiential knowledge 364–5 |
| funding conditions 362–3 |
| Mersey Forest Plan, The 356 |
| patterns of 358–9 |
| planning for urban areas |
| garden cities 367 |
| liveable cities 366–7 |
| transformation via major projects 368–9 |
| urban extensions and new towns 367–8 |
| San Francisco Forest Map 356 |
| Seven Lochs Wetland Park Masterplan 356 |
| Winsford Neighbourhood Plan 359, 362 |
| computational fluid dynamics (CFD) model 33, 36 |
| Conservation Fund 110 |
| green infrastructure policy-making under 113–16 |
| Construction Industry Research and Information Association (CIRIA) 55 |
| Cooperative Research Centre for Water Sensitive Cities (CRC-WSC) 54–7 |
| COST Action 110 |
| cost–benefit analysis (CBA) 3, 70, 72–9, 82–3, 85 |
| commissioning issues 80–82 |
| displacement 79–80 |
| ecosystem services 70, 72 |
| valuation 72 |
| formal 73 |
| PROJECT OFF 70 |
| PROJECT ON 70 |
| social return on investment (SROI) 74 |
| timeframe 79 |
| cost–benefit ratios 78 |
cost-effectiveness analysis 74–5
council for the protection of rural England 147–8
council of Europe (CoE)
European Landscape Convention (ELC) 4, 167–71, 173–4, 178, 180–82, 361
landscape quality objectives (LQOs) 167, 170–76, 178, 180–82
strategic environmental assessment (SEA) 171, 173, 175–6
countryside agency 113, 115, 125, 127
czalczynska-podolska, M. 283
denmark 274
disability 246
ageing populations 251–2
ambulant 250–51
equality legislation 246–8
green infrastructure access issues 243–7, 253–5, 257–8
delay in progress 247–9
issue of wheelchair symbol 250–51
mental health issues 251
sight loss 251–2
universal design principles 256–7
criticisms of 256
doick, K. 400, 410
economic impact analysis 74–5, 80
economic impact assessment (EIA) 67, 69–70, 85
limitations of 82
economic theory 67–9
role of market in 69
market failure 69–70
engineering and physical sciences research council (EPSRC) 54
Adaptable Urban Drainage – Addressing Change in Intensity, Occurrence and Uncertainty of Stormwater (AUDACIOUS) 53
environmental settings 432, 434–5
European Commission 174, 458
Air Quality Standards 30
green infrastructure policies of 111
european green infrastructure strategy 130–31
blue green dream project 54
definition of green infrastructure 227
floods directive 56–7
Green and Blue Space Adaptation for Urban Areas and Eco Towns (GRaBS project) 54, 128–30, 137
green infrastructure policies of 111–12
Life+ 363–4
structural and investment fund strategies 130
territory of
artificial areas 168
Water Framework Directive 56–7, 111
Facebook 449
Felt, James 233
flooding 2, 13, 17, 50–52, 233–4, 236, 402, 428, 450
downstream 72
mitigation 230, 232, 236, 399
risk 52, 84–5, 195
assessment 57
stormwater 61
urban 402
Forest Research 363–4
Forestry Commission 4, 112, 124
UK Woodland Carbon Code 455
France 40, 256
Nice
Promenade des Anglais 321
Paris 31, 90, 94–5, 339
Quai Branly Museum 234
Garden City movement 2, 14, 32
Geddes, Patrick 14
Gender Mainstreaming Toolkit 203–4
geographic information system (GIS) 148, 354
analysis 156
Germany 32, 256, 360
BIDs/NIDs in 343–4
Dortmund 110
Freiburg 234, 366
Land Use 2020 366–7
Local Agenda 21 367
Hanover 89, 93
Leipzig 449
Global Financial Crisis (2007–9) 248, 449, 457
Goldsmith, S. 243, 256
Great Outdoors Colorado Foundation (GOCO) 287, 292
green belt 37, 146–7, 186, 193, 452
Green Flag Award 340, 345, 350
Handbook on green infrastructure

benefits in land/urban regeneration 399–400
definitions of 11–12, 125–6, 227, 396
design considerations 181
biodiversity 92–9
growth strategies 145–56
multifunctionality 237–8
development of 67, 105–6, 145, 376
disabled access in 242–3, 253–4
delays in progress for 248–9
disability issues 243–7, 254–5
discourse 378
practice-based reforms 377
synergy of function 376–7
ecological benefits of 13
economic analysis of 78–9
evaluation of 414–15, 420–21, 423–4
ecosystem services 424–35
logic modelling 416, 418–19, 424, 426, 439
monitoring/evaluation 420–22, 439–40
future of 445–9
climate readiness 450–51
digital 458–9
in austerity 456–7
integration 460–61
protection 452–3
wildlife habitats 451–2
governance models 338–9
health benefits of 12, 15–16, 25, 41, 453–4
physical activity 16
stress reduction 17, 245
management of 98, 238
market infrastructure 388–9
multifunctional 230–31, 238
designing 237–8
ecological 232
economic 232–3
functional synergies 234, 236, 238
social/cultural 231–2
origins of 14
planning principles 190
context 189
continuity 189
quality 188–9
quantity 188
international 110–12, 119
national 112–17, 119
stakeholders 109, 115
presence in historic urban environments 301, 304–5
role of water in 17
social well-being benefits of 18
types of 204–5
typology of 228–30
urban 45, 91, 184–6, 199, 454–5
operative (OUGI) 4, 187, 190, 192–3, 196, 198–200
strategic (SUGI) 4, 187, 190, 192–3, 195–6, 198–200
users of 205–6
Green Infrastructure Forum for Cambridgeshire
establishment of (2004) 148
green school grounds 281
benefit of nature access to children 281–2
design considerations 289–90, 292–7
adults 284, 287
children 283, 287
joint use 285, 289, 292–3
green space governance models 6, 338–9, 344–5, 349, 351–2
area-based 343
asset management approach 349–50
Business Improvement Districts (BIDs) 343–4, 348
Community-led Spaces 341
differing scales 342
funding 345–6
future trends in 348–9
planning/development 347–8
private sector 346–7
site-based income generation 348
voluntary/non-profit sector involvement 347
management planning 350
managing use 350–51
Neighbourhood Improvement Districts (NIDs) 343–4
partnerships 341–2
settlement-wide 342–3
site-based 343
skills 344–5
state-wide 342–3
Green Spaces South Cheshire 357
greenhouse gases 36, 40, 356, 366
anthropogenic emissions of 38–9
Greenlink 2, 20–21, 24, 365
establishment of (2005) 21
Greenpeace 24
Greenspace 262
grey infrastructure 53, 107, 234, 377
investment in 105
Grosvenor
partnership in Trumpington Meadows Land Company 152
habitat provision 435
Harvard University 146
Heritage Conservancy 110

Hinduism
Diwali 217
Mela 217

historic urban environments 301, 304
concept of 302–3
conservation of 305–7
heritage governance 305
planning 307

green infrastructure element of 301, 304–5
role of new development in 306–7
urban morphology 304

Holmgren, David 237
Hopman, M. 455
Hostetler, M. 106, 376
Howard, Ebenezer 14, 32, 367
Humboldt, Alexander von 317
Hutchings, T.R. 396
hydrofluorocarbons (HFCs) 38
HYM Investment Group 159

India 106, 112, 248, 256
Institution of Civil Engineers 458
International Panel on Climate Change (IPCC) 39
Interreg IVB 110
North Sea Region 360
isoprene (C₃H₈) 37
Israel 256
Italy 6, 256

Chioggia
landscape development in 321, 325–8, 329–32
Florence 2, 39
CO₂ emissions from 40
urban vegetation in 39–40
Milan
Bosco Verticale 234
Porta Nuova 453

i-Tree Eco 75, 77–8, 459

Ka-Shing, Li 309
Kitchen, L. 403–4
Kyoto Protocol
regulation of anthropogenic greenhouse gas emissions 38

labour
productivity 134
Labour Party (UK)
brownfield first policy 381
green infrastructure policy-making under 112–13
‘Sustainable Communities’ agenda 377

land/urban regeneration 395–6, 398, 406–7, 410–11
benefits of green infrastructure in economic 399–400
environmental 399
social 399
brownfield land 403–4, 415
concept of 395
confusion regarding green infrastructure rules 407–8
cost of maintaining greenspace 408
land-ownership issues 407
process of 404–5
Soil Resource Survey 404
vegetation types used in 405–6
scale of post-brownfield green infrastructure 408–10
technical challenges 400–401
habitats 402–3
soil types 401–2

Land Trust 347
landscape 166–9, 171, 174–5, 180, 182, 190, 192, 317–21
concept/definitions of 176, 317–18
identities 318
management 169
zoning 176
metropolitan 187–8, 199–200
metropolitan scale 186
municipal scale 186
Nature–Artifice dynamic 322–3
planning 169, 180–81, 319
post-industrial 395
protection 169
rejuvenation 365–6
transformation 320–21, 324, 327–32
units 180
urban 193, 200, 236, 459–60

Landscape Institute 110, 116, 148, 458
‘Profitable Places: Why Housebuilders Invest in Landscape’ 153

Larkham, P. 303, 306
LDA Design 149
lead (Pb) 30

Liberal Democrats (UK)
Coalition Government (2010–15) 112
green infrastructure policy-making under 113–16
Liernur, Jorge 168
Living Streets 360
logic models 417–19, 424, 432, 434, 437, 439
activities approach 418–19
outcome approach 419
process of 419–20, 426, 428, 430, 432
Handbook on green infrastructure

theory approach 418
Weaver’s Triangle 418
London Legacy Development Corporation (LLDC)
Legacy Masterwork Framework 370
Lorenzetti, Ambrogio
Allergy of Good and Bad Government 319
Lough Neagh project 361–2
Loukaitou-Sideris, A. 247
Louv, R.
concept of ‘Nature Deficit Disorder’ 252
Lynch, Kevin
*Image of the City, The* (1990) 166

Mace, Ron
role in development universal design concept 256
Malaysia 90
McHarg, Ian 14
methane (CH4) 38
Michael Van Valkenburgh Associates 160
Millennium Ecosystem Assessment (MEA) 230, 396, 408
mixed methods approach 262
Moffat, A.J. 396
Mollison, Bill 237
monoterpenes (C10H16) 37
Muir, John 12
multifunctionality
concept of 230–31

Nantwich Riverside Project 357
National Housing Federation Neighbourhoods Green 344
National Statistic Socio Economic Class (NS-NEC) system 269
National Trust 217, 245, 252
Natural Economy Northwest (NENW) 128, 375, 377
*Economic Value of Green Infrastructure, The* 134–5
Natural England 4, 77, 110, 112, 115–16, 124, 128, 376
literature review of 80
Natural Resource Wales 359–60
neoclassical economics 67–8, 82
neoliberalism 375
Netherlands 41, 256, 282, 360 Amsterdam
GWL Terrein 95–6
Room for the River programme 57
Rotterdam 234, 446
New Yorkers for Parks 346
New Zealand 54
nickel (Ni) 30
nitrogen dioxide (NO2) 30, 32–3, 35
nitrogen oxide (N2O) 37–8
nitrogen trifluoride (NF3) 38
noise mitigation 430, 432
non-governmental organizations (NGOs) 173, 175
NorthPoint Park 145
development parameters 160
North Point PUD 160, 162
land used in development of 159–60
opening of (2007) 158
Norway 256
Oehme van Sweden and Associates
parks designed by 158
Olmsted, Frederick Law
observation on benefits of park networks 12–14
parks designed by 13–14, 32
OPAL 458
Organisation for Economic Co-operation and Development (OECD) 111
Orwell, George
*Animal Farm* (1945) 242
Overseas Development Agency 111
ozone (O3) 30, 32, 35, 40–41, 78
photochemical 37
PanAm Railways 159
Pareto, Vilfredo 69
particulate matter (PM) 30–33, 35–6, 40–41, 44 trafﬁc-emitted 33
perﬂuorocarbons (PFCs) 38
Persimmon 378
polycyclic aromatic hydrocarbons (PAH) 30
Portugal 6, 167–8, 170, 175
Arnóia Dam 175
Aveiro 36–7
Cabo Mondego 322
Figueira da Foz
landscape development in 321–5, 331–2
Land Use Plan 171
Lisbon 36, 175
Obidos 4, 167, 175–6
landscape of 175–6
LQO Plan 176, 180
Obidos Lagoon 175
Ovar-Marinha Grande Coastal Zone Management Plan (POOC) 322
Porto 4, 193–5, 198–9
OUGI of 196, 198–9
Public Spaces and Facilities Map 198
Routes Map 198
SUGI of 195–6, 199
River, Arnóia 175

Danielle Sinnett, Nicholas Smith and Sarah Burgess - 9781783474004
Downloaded from Elgar Online at 02/08/2019 06:38:16AM
via free access
River, Douro 194, 196, 198
River, Mondego 322
River, Real 175
River, Tinto 198
River, Torto 198
River, Vale Benfeito 175
Santa Clara Plateau 89–90
Serra da Boa Viagem 322
Spatial Planning Framework 175
public green spaces/parks 12–13, 17, 31, 158, 199, 204, 207, 216, 220, 310, 337–8, 340, 342, 344, 346, 348–9, 351–2, 357
accessibility 209
amenities/facilities 212–15
as commodity 216
concept of 337–8
external access 208
housing 208–9
transport 208
management 341–2
ownership issues 216–19
paths 209–12
security 211–12
privatisation of 339–40
urban parks 217–18
uses by social groups/population
demographics 206–8, 219
public open spaces (POS) 260–63, 267–8
relationship with surroundings 261–2
use of 268–70, 278
impact of access to private outdoor spaces on 270, 274, 276
impact of legibility/attractiveness/fit with local character on 274
impact of provision of POS on 270, 275, 277
impact of street pattern/density/integration/mixed use development on 274, 276–7
reduced 275
socio-demographic factors influencing 274–5
Quality Management Systems 460
quality of life 2, 12, 15, 19, 148–9, 162, 170, 188–9, 200, 238, 251, 281, 362, 368, 387–8
promotion of 185
Reeves, Dory 220
Republic of Ireland 256
Research Institute for Regional and Urban Development (ILS) 110
residential development 375–6, 383–4, 388–92
speculative housing provision 378–80
innovation in 385–8
relationship with environmental agenda 380–82
strategies 380–81
Robert Bray Associates 62
Roger, Alain 320
Royal Commission on Environmental Pollution (RCEP) (2007) 376
findings of 363
Royal Institute of British Architects (RIBA) 458
Royal Institution of Chartered Surveyors (RICS) 204, 458
Royal National Institute of Blind People (RNIB) 251
Royal Society for the Protection of Birds (RSPB) 355–6
Royal Town Planning Institute (RTPI) 116, 153, 220–21, 458
Code of Professional Conduct (2012) 220
Scottish Index of Multiple Deprivation 21
Second World War (1939–45) 302, 365
Siemens AG 111
Sieverts, Thomas 168
Singapore 89
biodiversity in 90
Public Utilities Board ( PUB) Active, Beautiful and Clean Waters (ABC Waters) 54
SITA Trust 128
Smith, Adam 68
soil formation 437
South Africa
Cape Flats Sand Fynbos 89, 94
South Yorkshire Forest Partnership 363
Spain 168
Barcelona 31
spatial voids 167
stormwater regulation
leaf area index (LAI) 428
sulphur dioxide (SO₂) 30, 32–3, 35
sulphur hexafluoride (SF₆) 38
sustainable development 7
Sweden 283, 360
Malmö Augustenborg 236
SWITCH-EU 55
Switzerland 256
Taylor Wimpey 378
Terence O’Rourke 152
Thames Gateway 130, 375, 377
Handbook on green infrastructure

Town and Country Planning Association (TCPA) 110, 112, 116, 237–8, 376, 458
Green Infrastructure Partnership 458
Treezilla 458
Trumpington Meadows 145, 151, 157
  Country Park Strategic Plan 153
  creation of 152
  Environmental Management Plan 152–3
  land used by 151–2
  Public Art Strategy 152
  Youth and Play Strategy 152
Trumpington Meadows Land Company
  land purchased by 152
Trust for Public Land 233
Tunbridge, J.E. 303
turquoise infrastructure 17
Twitter 449

UK Landscape Award 361
United Arab Emirates (UAE)
  Dubai 320
air pollution in 30
Bath 243
Bedfordshire 118
biodiversity loss in 87, 90
Birmingham
  Green Vision 367
Bradford
  Lister Park 448
Bristol 243, 260, 275, 447
Bedminster 216, 243–4
Building Regulations 246–7, 257
  Part M 246
Built Environment Professional Education (BEPE) project 249
Cambridgeshire 116, 118, 145, 149, 161–2
  Cam, River 146, 151
  Cambridge 4, 145–7, 155–6, 162, 452
  Cambridge City Council 146, 148–53
  Green Infrastructure Strategy 157
  South Cambridgeshire District Council 146, 148–50, 152
  Southern Fringe 150–51
Carlisle 118
Cheltenham 243
Chronically Sick and Disabled Persons Act (1970) 245
Climate Change Risk Assessment (CCRA) (2012) 456
Code for Sustainable Homes 157
Commission for Architecture and the Built Environment 60
Community Infrastructure Levy (CIL) 216, 362, 367
Cornwall 118
Department for Communities and Local Government (DCLG) 354, 361
Department for Environment, Food and Rural Affairs (DEFRA) 57, 70, 109, 125–6, 354, 405
Devon 118
Disability Discrimination Act (DDA) (1995) 246, 248
East Midlands 118
economy of cost of human health 16
Environment Agency 4, 58, 124, 128, 404
  Gender Equality Duty (GED) 220
  Public Sector Equality Duty (PSED) 220
  Section 149 247
Flood and Water Management Act (2010) 57, 59
flooding in 52, 57
water stress 52
Gloucester 243
government of 52, 74, 79, 112, 116, 249, 361, 367, 414
  Pitt Review 52
Government Office for the North West (GONW) 125, 129
green infrastructure policy-making in 115–16, 118, 137–9, 383, 385
local enterprise partnerships (LEPs) 130
local nature partnerships (LNPs) 130
National Planning Policy Framework (NPPF) 113–14, 130–31, 383
  National Environment White Paper 131
Planning Policy Guidance (PPG) notes 112–13
Planning Policy Statements (PPSs) 112
  Sustainable Communities Plan 147
Harlow 32
Heritage Lottery Fund 338, 348, 357
  Public Parks Programme 345
housebuilding industry of 390–92
innovation in 385–8
speculative housing provision 378–83
Humber 116
Liverpool 118, 125, 130, 133, 137, 139
  Birkenhead Park 12
  Chavasse Park 340
Department of Parks and Recreation 282, 297
Growing Up Boulder (GUB) 286–7
Buffalo, NY 32
Cambridge, MA 4, 145, 154–6, 160–61, 453
Cambridge Riverfront Plan 156
Cambridge Zoning Ordinance 159
East Cambridge Neighbourhood Study (1989) 158
Land Program (MA) 156–7
Pedestrian Plan 156
River, Charles 146, 156, 158
Towards a Sustainable Future 155

Chicago, IL 31–2, 90, 94, 234
Millennium Park 346
Civil War (1861–65) 12
Clean Water Act (1965/1972) 114
Detroit, MI 236, 449
Environmental Protection Agency (EPA) 30, 57, 109, 114–15, 157
green infrastructure policy-making in 114
Los Angeles, CA 232–3
Massachusetts Bay Transportation Authority 160
National Environmental Policy Act (1969) 114
New Orleans, LA 83
New York 84
Brooklyn Bridge Park 346–7
Central Park 31
Central Park Conservancy 343, 346
Green Infrastructure Plan 114
High Line 346
Philadelphia, PA
Green City, Clean Water programme 114
Seattle, WA 309, 361
Somersville, MA 146
urban forests in 38
Universities Superannuation Scheme (USS) partnership in Trumpington Meadows Land Company 152
University of Colorado (CU) 296
Environmental Design (ENVD) 287
University of the Third Age (U3A) 455
University of Washington
Department of Landscape Architecture 361
Urban Catchment Forestry 137
urban heat island (UHI) 43
concept of 40
urban planning 320
Critical Regionalism 320
Landscape Urbanism 320
Paisagem Global 320

Projecto a Vela 320
Rehabilitación 320
Terra Fluxus 320
urban trees 3, 34, 37–8, 40–41, 356, 399
canopy 31–2
isolated 39
role in reduction of air pollution 72
pluvial flood risk 137
under-investment in 75
urban water management 2, 50, 53, 62, 236
alternative techniques (ATs) 50
best management practices (BMPs) 50
complimentary techniques (CTs) 50
governance 36–8
integrated urban water management (IUWM) 50
low impact development (LID) 50
source control 50
stormwater control measures (SCMs) 50
stormwater quality improvement devices (SQIDs) 50
stakeholders in 58–9, 61
sustainable urban drainage systems (SUDS) 2–3, 50, 60, 98, 402
treatment trains 61, 63
water sensitive urban design (WSUD) 50–51, 54–5
implementation of 59–60
urbanisation 11–12, 52, 87, 319, 445–6, 449
peri-urbanisation 167
role in biodiversity loss 87–9
suburbanisation 167, 446
urbanism 168, 186, 307, 313–14

Van Zoest, J. 455
Vaux, Calvert
parks designed by 32
Vietnam War (1955–75) 246
Vlaamse Landmaatschappij (VLM) 110

Water Sensitive Cities (WSC) 54–6, 58
Water Sensitive Urban Design 2
Watson, N. 250
Wellbeing Partnership 24
Wildlife Trust 356
Wildlife Trust for Bedfordshire, Cambridgeshire and Northamptonshire 153
Williams, A. 249–50
Women’s Design Service (WDS) 212
Woodland Trust 355
World Health Organization (WHO) 11, 30
definition of health 15
recognition of disability 246