Index

Aabo, S. 440
Aas, C. 393
Abdel-Kader, Mohamed 549–66
admission prices 183, 292, 391–2
see also customers; pricing strategy
Agnew, Neville 185, 326–43
Ahlfeldt, G. 354, 357
Aitchison, K. 198
Al-hagla, K. 452
Alberini, A. 92, 440, 468
Alesina, A. 33
Alexander, V. 218
Allin, P. 193
Allison, G. 9
Amabile, T. 225
Anderes, C. 222
Anderson, C. 304
Anderson, M. 287–8
Anderson, S. 268
Andreoni, J. 134, 140, 141
Andrews, K. 219
Anheier, H. 224
archaeological sites
archaeological collections 335–6
community involvement 339–40
conservation and sustainable
development 326–43
conservation for the future 333–8
conservation in practice 334–5
development pressures 331–2
disciplinary convergence, need for 338–9, 340
economic values 328–9
global issues and threats 329–33
historical values 327
identity values 327–8
international guidelines 339
land-use constraints 328
looting 332–3
management of sites 334–5, 336–8, 339–40
meaning and values of sites 327–9
monitoring and maintenance responsibilities 337–8
natural decay and deterioration 335
natural values 328
non-intervention option 334
preservation in situ, promotion of 339
public funding and legal protection 328–9
religious values 328
repositories and lack of storage space 335–6
social values 327–8
sustainable future 338–40
threats to sites 329–33
tourism 330–31, 334, 339
Archambault, E. 124
architectural conservation choices 309–25
best practices, learning from 323–4
building materials and architectural conservators 313–14
community involvement, expansion of 312–13
participation levels 312–14
conservation approach 315
conservation process 320–22
cross-disciplinary approach 314, 322
decision-making process 317–18, 321
documentary records, importance of 312
economic sustainability 311, 321–2
environmental considerations 311
financial support from valorization 319–20
intervention considerations 310–12
intervention, degrees of 314–17
laissez-faire non-intervention 315
listing 319–20
maintenance, importance of 315, 321–2
new additions to buildings 317
plan of action 321
political involvement 312–13, 319–20
preservation approach 315
preventative conservation 315
project identification and scoping 310–12, 321
project management 322
reconstruction 316
rehabilitation and reuse 311, 316
relocation decisions 316
replication 316–17
restoration 316
site valuation and valorization 318–20
social value of sites 319
structural deterioration and stabilization 316

Arias-Valencia, J. 173
Arrow, K. 586
Asabere, P. 353
Ashworth, Gregory J. 176, 347, 358, 359, 367–85
Ateca Amestoy, Victoria 89–110
Atkinson, G. 131
Atlas Tourism project 200
Attalla, Hany 549–66
attendance rates see under customers
Auerbach, A. 132

Australia
Canberra, Old Parliament House, and CE method 444, 445
cultural tourism survey 200
Dampier Archipelago and industrial development 332
Melbourne, National Gallery of Victoria 244–5
private ownership 129
Austria 8, 45, 46, 47, 55, 67, 76
Avrami, E. 322, 327
Axtell, C. 225
Azerbaijan 54–5, 76

Baaijens, S. 451
Baca, M. 252
Baeer, W. 360, 371
Baez, A. 481
Baez, F. 15
Bahey el Din, S. 558
Bailey, C. 304
Bajari, P. 519, 524
Bakhshi, H. 97

Bartošová, A. 353
Basso, A. 482, 486
Bateson, G. 499
Baumol, W. 3, 290
Beck-Domzalska, M. 99
Becker, G. 92, 93, 213, 222
Becker, S 582
Bedate, A. 89, 92, 103, 376, 441, 442–3
Bednarik, R. 332
Belgium 46, 47, 48, 55, 67, 76–7, 123
Belting, H. 156
Benabou, R. 141
Benghozi, P. 224
Benjamin, W. 156
Benson, V. 352, 360
Bergamasco, M. 90
Bertacchini, E. 114, 140
Besculides, A. 396
Besser, H. 262
Beumer, M. 253
Bianca, S. 563, 565
Bianchini, F. 382
Bille-Hansen, T. 593
Binger, B. 113, 115
Bishop, P. 481
Black, D. 21
Bloom, T. 37
Bodo, C. 48
Bolton, P. 32
Bonet, Lluís 12, 386–401
Bonini, E. 499, 500
Bonink, C. 387
Bostedt, G. 130, 142
Boter, J. 453
Bouchenaki, M. 402
Bourdieu, P. 213, 220, 222, 468
Bowen, W. 3
Boyd, S. 380, 392
Brand, S. 481
branding 244–5, 382

see also marketing of heritage venues or destinations
Brazil, Salvador de Bahia see under
Latin America, urban heritage sites, public sector preservation involvement
Index

Bridgland, J. 338, 340
Brinkman, M. 158
Brodie, N. 158
Brokerhof, A. 257
Brooks, A. 446, 475
Bruce, R. 225
Bucci, A. 130
Buchanan, J. 5
Bulgaria 45, 46, 47, 56, 67, 78
Bull, A. 386
Burnette, A. 288
Burra Charter 323, 359, 458
Burton Jones, K. 266
Butler, J. 167
Butler, R. 386
Caldwell, N. 244
Cambodia, Angkor Wat 319, 447
Cameron, S. 238
Camporesi, C. 507
Campos, L. 218, 225
Canada 117, 138–9, 199
Musée du Québec 241
St John’s, Newfoundland
conservation area 376–7
Toronto, Royal Ontario Museum (ROM ) 233–4
Cardinal, J. 237
Carrozzino, M. 90
Carson, Richard T. 586–611
Caru, A. 233
Casanova, P. 167
Caserta, S. 394
Castañer, Xavier 209–30
Caune, J. 215, 222
CBA 439, 587
see also cost-benefit analysis
Cebula, R. 354
Cela, A. 450–52
Cellini, R. 468
centralization effects 43, 54–66
see also decentralization effects
Chambers, C. 355
Chamoux, F. 167
Charbonneau, M. 241
Cheng, E. 138, 142
Chevallier, D. 414
Chiapello, E. 209, 217, 224
Childs, S. 336
Chile 116, 197, 199
Valparaiso see under Latin America, urban heritage sites, public
sector preservation involvement
China 116, 117
Great Wall 447
Law on the Protection of Cultural Relics 331–2
Three Gorges dam project 332
China, Daming Palace , Xi’an virtual reality case study 499–507
archaeological park concept 504
as communication and management
of cultural heritage 504–5, 506
cultural and economic values,
distinguishing between 499
Daming Palace history 502
as heritage park 502–3
park employees 503
park sponsors 503–4
physical reconstructions 502, 504
Virtual Heritage (VH) cultural value
as social value 501–2
Virtual Heritage (VH) process 499,
500–501
Virtual Heritage (VH) technology
integration 505–6
Virtual Heritage (VH) value 501–2, 506
visitor statistics 503, 506
Choi, A. 92, 96, 440, 444, 445, 468
civil society and NGO involvement
54, 56, 116, 182, 216, 217
see also private sector role
Clair, J. 168
Clark, D. 353, 357
Clark, K. 339
Cochrane, J. 173
Coffin, D. 353
Cohen, A. 434
Colbert, François 231–48
Colombia, Convenio Andres Bello (CAB), Cultural Satellite Account (CSA) 192
Cominelli, Francesca 402–17
community development and involvement
Aga Khan multidisciplinary
experience, Cairo 554–6
Aga Khan multidisciplinary experience, Cairo, lack of communication 556–9, 560–63
archaeological sites 312–13, 339–40
architectural sites 339–40
library benefits 300
museum creation processes 100
tourism and heritage 396
see also customers; interest groups; local development relationship
comparative studies
cultural statistics, current challenges in 193–4
Delphi contingent valuation study 599–600
policies see policies, comparative perspective
competition factor 234, 239, 472
complementary goods 94, 262–3
Conaway, Michael B. 586–611
conservation
archaeological sites see archaeological sites, conservation and sustainable development
choices, and architecture see architectural conservation choices
intangible cultural heritage, safeguarding 407–10
and public spending see Italy, public spending for conservation case study
tax incentives see tax incentives for conservation
see also preservation
consumers see customers
contingent valuation studies 423, 425
Delphi see Delphi contingent valuation study
Convention for Biological Diversity (CBD) 189
copyright 164, 256
see also intellectual property rights
cost-benefit analysis 439, 459, 587
cultural heritage institutions 480
Latin America, urban heritage sites, public sector preservation involvement 533–4, 535
see also CBA

Coughlin, P. 22
Coulson, N. 352, 353, 355, 357
Courtney, S. 448, 450
Cova, B. 233
Cowan, T. 114
Cox, G. 22
craft techniques
Japan see Japan, intangible cultural heritage case study
professions as employment source 406–7, 408–9, 411–12, 415
see also art market
Creed, W. 225
Creigh-Tyte, S. 9
Crompton, J. 447, 448, 449
crowding-out, private sector role 118–20
crowdsourcing (user-generated content) 256, 257
see also digital cultural heritage
Cuba, Old Havana 447
Cuccia, T. 92, 95, 398, 440, 468
Cultural Restoration Tourism Project 123
cultural statistics, current challenges in 187–205
basic data 196–7
comparability issues 193–4
cultural heritage definitions 189, 190–91
cultural tourism 200
current state of data 196–200
digitalization 188
economic indicators 198–9
education levels 200
employment in cultural industry 194–6, 198
enjoyment levels 199
future research 201–2
indigenous culture 189
Intangible Cultural Heritage (ICH) 189, 190, 201
international and regional models, heritage representation in 190–94
methods developed by international organizations 190–93
museum data 197, 199–200
participation in/consumption of cultural activities 199–200
public and private finance data
collection 193–4, 198
social surveys 192–3
survey instruments and data
collection 194–6
see also tourism
cultural value
cultural impact see economic, social
and cultural impact of cultural
heritage
measurement see value assessment
in heritage regulation, cultural
value measurement
Cummings, M. 43, 46
Cuno, J. 152
customers
attendance rates 98, 99, 234–5
consumer behavior data, digital
heritage cultural value 260, 264–5
customer orientation criticisms
224
customer service, importance of
245–6
turnstile model 378
visitor expectation management 395,
396
visitor numbers, Aga Khan
multidisciplinary experience, Cairo 552, 555, 556, 559, 560
visitor numbers, deterioration
caused by, UNESCO, World
Heritage List 179
see also admission prices;
community development and
involvement; tourism
Cuzin, J. 167
Cyprus 48, 56, 78–9
Cynrenne, P. 353, 355
Czech Republic 45, 46
Valtice and Lednice castles 319–20
Da Milano, C. 123, 124
Dalle Nogare, C. 21, 32
DaPonte, J. 285
Daraio, C. 484
Darles, G. 601
Data Envelopment Analysis (DEA),
efficiency measurement 478–9,
482–3, 484
Davis, M. 339
De la Torre, M. 329
De Witte, K. 484
Decarolis, F. 523
decentralization effects 25, 39–40,
43–4
see also centralization effects
decision-making process
architectural conservation choices
317–18, 321
choice of properties 355–6
public see public decision-making
and implementation
public spending for conservation,
Italy 510
UK, Panmure House, Edinburgh
494–6
definitions
cultural heritage 189, 190–91
cultural heritage conservation
509–11
cultural heritage organizations
209–11
digital cultural heritage 252–3
intangible cultural heritage 403–4
private sector partnerships,
UNESCO 117
tourism and heritage 387–8
Dekkers, M. 334
Del Barrio, M. 482, 483
Delluc, B. and G. 167
Deloumeaux, L. 187–205
Delphi contingent valuation study, site
of global significance 586–611
anticipated study problems 594
benefits to foreigners not visiting
Morocco 589
comparative studies 599–600
consensus building 590–91
cultural heritage sites as global
public goods 588–9
empirical study models 594
expert opinion distribution 590–91,
592–3
free-riding 594
individual preferences, measurement
of 592
overview 587–8, 590–91
participant characteristics 592–3
reasons for using 591
rehabilitation of the non-
monumental built environment 589, 593
survey instrument, round 1 605–9, 610–11
survey results 593–5
as think-tank tool 590
World Bank funding 589
WTP estimates, calculating 593–4
WTP, results for European 595–8
WTP, results for European, compared with all foreign visitors 597–8
see also UNESCO, World Heritage List
demand for cultural heritage 89–110
access to cultural heritage 97–9
age and attitude toward the past 94
attendance rates 98, 99
community involvement and museum creation processes 100, 138, 339
complementary goods, effects of price of 94
cost considerations 93–4
digital cultural heritage 261–5
education levels, effects of 93, 101–2, 107–8, 109–10
future generations, value to 95
happiness research 103
heritage goods as elements of cultural capital 91–2, 93
heritage preservation and educational campaigns 98
household income effects 101
ICT effects and virtual access 90, 97–8, 99–100, 101–2
income and time availability, effects of 94, 109
individual demand and cultural value 92–4
intangible elements of cultural heritage, consumption measurement problems 98
‘learning-by-consuming’ model 93
library collections’ distribution 297–8
‘non-cultural’ demand for heritage 96–7
over-consumption of sites 96–7
participation and alternative ways to gain access 99–100
participation determinants 100–102
participation and motivation 95–102
preservation and conservation demand 96
public good nature and externalities 94–5
social changes 89–90
substitute goods, effects of price of 94
symbolic meanings of cultural heritage 95, 96
tourism 96–7, 102–3
tourism influence 391
UNESCO Framework for Cultural Statistics (FCS), Cultural and Natural Heritage domain 97–8
value of cultural heritage 91–6
value, use and non-use 92, 95
vicarious demand 96
Demas, Martha 185, 326–43
Denmark 45, 46, 57, 68, 79
Deodhar, V. 353, 357
destruction, attracting, UNESCO, World Heritage List 178–9, 184
deterioration issues
archaeological sites 335
Latin America, urban heritage sites 529–31, 532–3, 546–7
and stabilization, architectural conservation choices 316
visitor numbers, effects of 179
Dewatripont, M. 32
digital cultural heritage 251–71
available substitute goods, and changes in demand 261–2
complementary goods, changes in, and changes in demand 262–3
consumer behavior data 260, 264–5
copyright 256
crowdsourcing (user-generated content) 256, 257
cultural heritage supply, effects on 253–60
definitions 252–3
demand for 261–5
digital commerce 259
digitization cost reduction strategies 258–9
donor programmes, online 259
future consumption changes and changes in supply 259–60
image quality considerations 258–9
inaccessible cultural heritage 258
information access and reliability 261–2
intangible heritage 253
intellectual property rights 256
joint supply of products 256–7
labour costs 254
online space for advertisers 259
personalized filters, use of and online content distribution 262–3
pricing supply 259
production changes and changes in supply 253–6, 257–9
resource allocation and preservation of collections 258
simulators 257
sunk costs 254, 255
technology use changes and changes in demand 263–4
versioning and price discrimination 255–6
versioning and reproduction 257
virtual reality see China, Daming Palace, Xi’an virtual reality case study
web statistics, use of 260
see also technologies for cultural heritage
digitization
archives and collections 97
cultural statistics 188
international market for cultural heritage 156–7
library economics 300–303
DiMaggio, P. 20, 217, 222
displacement effects, UNESCO, World Heritage List 178
Dixit, A. 22
Dominzin, S. 200
Donnat, O. 199
donor programmes 175, 259
membership fees 41
see also funding; sponsorship
Downs, A. 21

Du Cros, H. 387, 388, 390, 397
Dwyer, L. 447
economic effects
economic potential, cultural heritage policies 38
evidence assessment of market effects of historic preservation 356–8
finance data collection, cultural statistics 193–4, 198
finance programme, Aga Khan multidisciplinary experience, Cairo 552–3, 554, 555, 557, 560–61
financial resources, technologies for cultural heritage 273–4
financial values of cultural heritage 428, 435
household income and demand for cultural heritage 94, 101, 109
impact studies, values of cultural heritage 423, 425
income effects on tourism 390, 391
indicators in cultural statistics 198–9
libraries see library economics
marketing of heritage venues or destinations 238
return on investment (ROI) see return on investment (ROI)
sustainability, archaeological sites 328–9
sustainability, and architectural conservation choices 311, 321–2
see also funding; pricing strategy
economic, social and cultural impact of cultural heritage 438–55
conjoint analysis (CE) 440, 443–5
cost–benefit analysis (CBA) 439
economic impact method 446–8, 450–52
economic impact method, bias problems 448
economic impact method, examples 448–50
economic impact method, quantifying 447
heritage route tourism, impact of 450–52
instrumental impact 439
instrumental impact of cultural heritage 445–52
intrinsic values 438–9
intrinsic values, measurement of 439–45
intrinsic values, non-market valuation studies 440–41
market prices and instrumental benefits 446
negative impact of cultural heritage 441
non-use values 438–9, 445
policy implications of WTP 442
return on investment (ROI) framework 450
sustainable use of heritage resources 452–3
valuation of heritage assets 440
willingness-to-pay (WTP) method 440, 441–3, 445
willingness-to-pay (WTP) method, certainty measures 443
Ecuador, Quito see under Latin America, urban heritage sites, public sector preservation involvement
education levels
cultural statistics, current challenges in 200
demand for cultural heritage 93, 101–2, 107–8, 109–10
‘learning-by-consuming’ model, and demand for cultural heritage 93
marketing of heritage venues or destinations 234–5
values of cultural heritage 424
efficiency measurement, institutional performance see institutions, performance of, efficiency measurement
Egypt 116
Aswan High Dam 332
Memphis and its Necropolis 447
Egypt, Aga Khan multidisciplinary experience, Cairo 549–66
Aga Khan Development Network (AKDN) 549, 553
Aga Khan Historic Cities Program (HCP) 551, 552, 562

Aga Khan Trust for Culture (AKTC) 549, 550–51
AKTC management structure 552, 560–62, 563
community involvement 554–6
community involvement, and lack of communication 556–9, 560–63
comparative study 558–9
economic returns, sharing 560–61
employment opportunities 555, 557, 561–2
failed projects 555–6
finance programme 552–3, 554, 555, 557, 560
history of 551–2
housing rehabilitation program (HRP) 562–3
organizational overview 550–51
partnership effectiveness 554–9, 560
project duration 553–4
restoration projects 556–7, 560
social communication 561–2
stakeholder collaboration 554–9
visitor numbers 552, 555, 556, 559, 560

Elsen, A. 168

employment
artistic and crafts professions as employment source 406–7, 408–9, 411–12, 415
in cultural industry, and cultural statistics 194–6, 198
labour impact on tourism 398
opportunities, Aga Khan multidisciplinary experience, Cairo 555, 557, 561–2
staffing requirements, technologies for cultural heritage 280–81

Epstein, D. 28
Escher, A. 601
Estonia 45, 46, 57, 68, 79
Europe
Council of Europe on private sector management 121
culture reports 191
European Group on Museums Statistics (EGMUS) 197
European Investment Bank (EIB), Joint European Support for
Index

Sustainable Investment in City Areas (JESSICA) 538, 540
European Museum Forum 124
European Statistical System Network Group 191
Faro Convention 38, 39
Leadership Group on Cultural Statistics (LEG Culture) 191
private sponsorship 117
tax incentives 8, 47, 129, 134–5, 136, 139
see also individual countries
Evans, G. 379
Eves, C. 352
expert opinion
delegation of policy tasks to independent experts 29–30
Delphi contingent valuation study 590–91, 592–3
performance determinants
Italy, public spending for conservation 516–21
technologies, cultural experts, lack of attention by 274
Farrel, M. 473
Faulkner, P. 11
Fazioli, R. 486
Fazzari, S. 132
Feilden, B. 311
Feldstein, M. 138, 140
Fernández-Blanco, Victor 94, 470–88
Ferré-r-i-Carbonell, A. 103
Filippini, M. 486
financial effects see economic effects
Finland 45, 47, 48, 57, 68–9, 79–80, 117
Finney, S. 441
Finocchiaro Castro, M. 142, 475, 482, 484, 486, 510
Fitch, J. 312
Fleury, M. 11
Florida, R. 446
Floyd, S. 224
Flyvbjerg, B. 524
Fombrun, C. 219
Foote, J. 199
Ford, A. 339
Ford, D. 352
Forte, Maurizio 499–507
Foster, J. 31
Foster, T. 95, 391
France
artistic and crafts professions 406–7, 408–9, 411–12, 415
centralized administration 58
cultural heritage policy 38, 45, 46, 80
cultural industry employment 198
cultural participation 199
listing and registration of buildings 7–8, 10, 197
monuments at risk 11
Musée des Copies 155
private ownership 121
tax incentives 69
visitor levels 13
volunteering 123
Francioni, F. 13
Free Disposal Hull (FDH) method, efficiency measurement 479, 483
Freeman, J. 219, 220
Friedman, J. 436
frontier techniques, efficiency measurement 477–9
Fumarioli, M. 222
Funari, S. 482, 486
funding
archaeological sites 328–9
attracting, management challenges 219–20
commercially unexploited sites 182
donor programmes 175, 259
loan schemes by private banks 48–9
lottery funding 48
reduction, public sector 119–20
and sustainability, technologies for cultural heritage 282–3
see also pricing strategy; sponsorship; subsidies; tax incentives for conservation
future direction
cultural heritage policies 201–2
future generations, value to 95
future research
cultural statistics, current challenges in 201–2
Delphi contingent valuation study 600
market effects of historic preservation 355, 359–60
Fyall, A. 173, 392, 395
Gabas, J. 6
Gabriel, J. 531, 533
Gabszewicz, J. 268
Gale, D. 352
Galizzi, M. 21, 32
Gamboni, D. 50
Gapinski, J. 481
Garcia, B. 448
Garrod, B. 392, 395, 599–600
gentrification (elitist) concerns 40, 221–2, 351, 375
George, E. 393, 395
Gerber, B. 33
Germany
building companies and 1 per cent rule 48
centralized administration 58
creative industries, economic value of 187
cultural heritage policy 38, 45, 46, 80
in-kind donations 116
lottery funding 48
tax incentives 46, 69
volunteering 123–4
Getz, D. 447
Getzner, M. 32
Geys, B. 484
Gibson, K. 121
Ginsburgh, Victor 151–70, 173, 201
Global Heritage Fund 446, 447
global market for cultural heritage see international market for cultural heritage
Godfrey, C. 263
Goodin, R. 31
Gordon, D. 114
Goto, Kazuko 567–85
Graefe, A. 395
Graham, B. 367
Grampp, W. 4, 23, 32, 166, 168
Gray, C. 104
Greece 46, 47, 59, 69, 80–81, 122
Greffe, Xavier 89, 96, 121, 290, 391, 402–17, 575
Grier, R. 114
Guccio, Calogero 22, 26, 32, 508–25
Guidoni, P. 215, 222, 223
Gutman, M. 526
Hall, B. 142
Hampton, M. 396, 450
Hanemann, W. 594
Hannan, M. 219
Hardoy, J. 526
Harris, C. 302
Harrison, D. 173
Harvey, D. 392
Hassett, K. 132, 133
Hayhoe, R. 139
Hedstrom, M. 294, 299
Hemels, S. 46
Hemsley, J. 156
Henderson, J. 138, 142
Herrero, Luis César 102, 470–88
Herrin, W. 353, 357
Heskett, J. 209, 210
Hewison, R. 383
Hillman Chartrand, H. 46
Hitchcock, M. 173
Hobsbawn, E. 436
 Hodder, I. 338
Hoehn, J. 589, 598
Hoffman, A. 225
Hoffman, E. 113, 115
Holler, Manfred J. 17–36
Holtman, M. 255, 266, 268
Hough, D. 353
Hubbard, R. 132, 133
Huffman, F. 353
Hughes, A. 156
Hughes, P. 486
Hugon, P. 6
Hungary 45, 46, 48, 49, 70
Hutter, M. 89, 173, 261, 436, 468
Iceland 60
ICT see digital cultural heritage; technologies for cultural heritage
Ijla, A. 354
inaccessible cultural heritage 258
income effects
household income and demand for cultural heritage 94, 101, 109
ICT see digital cultural heritage; technologies for cultural heritage
Ijla, A. 354
inaccessible cultural heritage 258
income effects
household income and demand for cultural heritage 94, 101, 109
on tourism 390, 391

see also economic effects

India 412, 447

Inkei, P. 38, 43, 45

institutional factors

arrangements for effective public-private cooperation, urban heritage sites 538–40
intangible cultural heritage, policy/measures supporting 411–14

Italy, public spending for conservation 512–13

institutions, performance of 470–88
allocative efficiency and cost minimization behaviour 473, 474, 475, 484
competitive pressure, lack of 472
cost accounting 480
economic performance indicators 472
empirical literature review 481–4
management inefficiency, causes of 474–5
objectives 481
performance indicators of cultural activities 472
public intervention, need for 471–2
social output indicators 480–81
technical efficiency 473–4, 483
two-stage provision models 483–4

see also tourism

institutions, performance of, efficiency measurement 472–9

Data Envelopment Analysis (DEA) 478–9, 482–3, 484
data quality and quantity 476–7

Free Disposal Hull (FDH) method 479, 483

frontier techniques 477–9
input measurement 477, 480, 483–4

labour input measurement 477, 482–3

Malmquist productivity index 479
output measurement 476–7, 480–81

intangible cultural heritage consumption measurement problems 98
cultural statistics, current challenges in 189, 190, 201
digital 253

Japan case study see Japan, intangible cultural heritage case study

policies, comparative perspective 42

intangible cultural heritage, safeguarding 402–17
artistic and crafts professions as employment source 406–7
conservation strategies 407–10
definition 403–4
development support 405–6
enterprise incubator zones 413
enterprises, survival and geographical proximity 412–13

global economy and specialized products 406
identification and documentation policy 410–11
intellectual property rights 413–14
knowledge economy, effects on development 405

knowledge transmission policy 414–16
marketing support 411–12
Master of Art title 415

masterpieces of oral and intangible heritage, list of 403–4
policy/measures supporting 411–14
practical skills 403, 404
respect for human rights, enhancing 404–5

subsidies and economic sustainability 414
sustainable development 403, 406
tradition adaptation 403

traditional craftsmanship as heritage 408

traditional craftsmanship structure 408–10

traditional craftsmanship and sustainable development 406

UNESCO Convention for the Safeguarding of the Intangible Cultural Heritage 402, 403–4, 405, 407–8, 410

intellectual property rights copyright 164, 256
digital cultural heritage 256
intangible cultural heritage 413–14

Inter American Development Bank
interdependent cultural heritage model see Egypt, Aga Khan multidisciplinary experience, Cairo

interest groups 23–4, 44
lobby groups, urban heritage sites 541–2
see also community development and involvement; sponsorship

International Council of Museums (ICOM) 124, 158

international guidelines
archaeological sites 339
Burra Charter 323, 359, 458
cultural statistics 190–94
Nara Document on Authenticity 570

international market for cultural heritage 151–70
art ownership questions 152–8
copies as form of translation 154–6
copyright 164
de-accessioning and disposal 159, 166
delocalization of museums and galleries 162
digitization 156–7
droit de suite (DS) as obstacle to exchange 164–5
exchanges of artifacts 151
export restrictions 165
installations as artworks for tax purposes 164
loans and sharing 157, 158–9
looting and illegal migrations 158–60, 165
migrating artworks 160–62
migrating museums 162–3
migrating private collections 163
migration restrictions 164–5
paying for recouped looted art 160
public-private partnerships (PPPs), responsibilities of 159
regulation, need for 157–8
restitutions 152–4, 157–8
selling to curb looting 159–60
worldwide recognition, routes to 152–4

International Social Survey Programme (ISSP) on National Identity 192–3
intervention
architectural conservation choices 310–12, 314–17
laissez-faire non-intervention 315
public see public intervention

Iran 116, 161
Iraq, Nimrud ivories 157
Ireland 45, 46, 48, 59, 81
tax incentives 47, 70, 139–40
volunteering 123–4

Italy 45, 46, 48, 60, 81
fashion industry 407
Herculaneum Conservation Project 338
private administration 41, 121
private sponsorship 117–18
Ronchev Law 121
tax incentives 71, 136

Italy; public spending for conservation case study 508–25
cost and time overruns 517–18, 519, 520
cultural heritage conservation definitions 509–11
decision-making process 510
discretionary evaluation 510, 512–13
economics of cultural heritage 509–11
government involvement at central and local level 513–15
implementation issues 511–16
in-house projects 514, 515, 520, 522
institutional factors 512–13
market competition 519
market features and demand and supply 513–16, 519, 520, 522
market regulation 516
performance determinants and role of experts 516–21
public intervention and spending in cultural heritage 509
public procurement principle 512–13, 519
reputation role 510, 518
restricted procedures, contracts assigned through 514–16
specialized contracting authorities 513–16, 518–19
tendering procedure, contracts awarded by 515, 519, 520, 522

Jackson, R. 481
Jadé, M. 210
Japan 60, 82, 117, 412
Living National Treasures 408, 415
Japan, intangible cultural heritage case study 567–85
authenticity question 569–70
Bunraku 578, 579–80
craft techniques group 571, 580–83
craft techniques group as creative industry 582
craft techniques group, employment in 581–2
craft techniques group, and new technology 582–3
craft techniques group, papermaking 582
craft techniques group, promotion of 581
designation process 573–4
folk cultural properties 572, 573, 580
geographical indication, use of 575
holders of selected techniques for the preservation of cultural heritage 575, 579
Kabuki theatre, commercialization and families, roles of 576–7
Kabuki theatre, training system 576–7, 578
listing process 573
Nara Document on Authenticity 570
national theatres, role of 575
Nohgaku theatre, financial support from education system 577–9
Nohgaku theatre and Iemoto teaching system 578
Nohgaku theatre, teaching and licensing fees 579
performing arts group 571, 573
policy history and concept 571–5
policy instruments and processes 572–4
preservation and utilization policy 574
recognition process 573–4
recognized group holders, development obligations 574–5
selection process 573–4
tangible and intangible cultural heritage, differences between 568
Jaramillo, P. 545
Johnson, P. 94, 100, 231
Jordan, Petra 447
Kaenel, P. 221
Kalay, Y. 156
Kamps, J. 269
Katari, P. 352
Katz, R. 43, 46
Kaul, I. 6, 95
Kelley, S. 224
Kenderdine, S. 507
Ketokivi, M. 224
Kim, S. 441
King, J. 294, 299, 340
Kingdon, J. 220
Kinghorn, N. 441, 443–4, 468
Klamer, Arjo 30, 36–86, 89, 92, 139, 173, 201, 421–37, 443, 529, 532–3
Klein, R. 352, 360
Kling, R. 92, 95, 355
Koboldt, C. 475
Kono, T. 567
Koolhaas, R. 334
Kramer, R. 593–4
Kratz, C. 353
Krier, L. 334
Kriström, B. 594
Krohn, C. 334
Krupka, D. 96, 350, 354, 356, 357, 360
Krutila, J. 589
Kuipers, M. 381
Kuo, I. 173

labour effects see employment
Laffont, J. 11, 32
Lagrange, N. 601
Lahr, M. 352, 353, 355, 357
Lange, M. 481
Lanafame, F. 528, 535, 546
Lapierre, L. 237, 238, 241
Larkham, P. 376
Last, A. 484
Latin America, urban heritage sites, public sector preservation involvement 526–48
command and control regulations 538–40
community values of properties, changing 532–3
consensus building activities 538
cost-benefit analysis 533–4, 535
deterioration process in historic centres 529–31, 532–3, 546–7
economic obsolescence 530–31
financing preservation and development 533–4, 535
financing preservation and development, and asymmetry of interests 533–4
financing preservation and development, funding sources 537–8, 542, 543–4
financing preservation and development, long-term options 537–8
heritage values as drivers for action 531–3
institutional arrangements for effective public-private cooperation 538–40
lobby groups and private actors 541–2
market mechanism, lack of 528–9
multilateral financial institutions (MFIs), funding from 537–8
Oaxaca, Mexico 527, 531, 533, 541, 542, 544–5, 546
overview 527–8
philanthropic value of heritage property 532
physical obsolescence 530
planning and consensus building 542–3
preservation process, launching 541–2
public investment in preservation 543–4
public leadership, need for 534–40
public leadership and private sector partnership 535–6
public-private cooperation 544–6
Quito, Ecuador 527, 531, 532, 533, 538, 541, 542, 545, 546
rehabilitation incentives and market values 529
Salvador de Bahia, Brazil 527–8, 531, 533, 541, 543–4, 546–7
stakeholder involvement 534, 535, 542, 544
sustainability 534–5, 542, 544–6
urban and heritage preservation actions, values of 528–9
urban heritage value 527–34
Valparaiso, Chile 527, 531, 533, 541, 543, 544, 546–7
Latvia 45, 46, 60, 71, 82
Lazrak, F. 352
Leask, A. 173
Lebanon, Beirut 331
Lee, H. 30–31
Leete, L. 127
Leichenko, R. 351, 353, 355, 357
Lenzerini, F. 13
Lévy-Garbuoa, L. 92, 93
Lewis, G. 22, 524
Li, M. 452
library economics 290–305
academic libraries, return on investment (ROI) 296–7, 301
adaptation strategies 302–3
admission rates 292
beneficiaries of libraries 299–300
collections as digital files 301
demand distribution of collections 297–8
digital exploitation 300–303
documentary heritage, preserving 299, 300, 303–4
economic weight 292
evolution of libraries 293–4
Google information retrieval and access to documents 301–2
information retrieval and access to documents, digitized 301–2
investment justification 295–300
lack of interest in 290–91
Library & Information Science (LIS) model 294–5, 297–9, 300, 302, 303
Making Cities Stronger report 296
media influence 293
online collections 299
opportunity gain value 298
option value 298
outsourcing 300–301
publishing competition 298, 301
return on investment (ROI) studies 296–7, 301
social economic effects 297
subsidy funding 295
Worth Their Weight report 296
Lichfield, N. 368, 509
Lievesley, D. 193
Lindbeck, A. 22
Lipe, W. 326
Lipovetsky, G. 212
Lipsman, M. 135
listing 6–9, 10–11
Japan, intangible cultural heritage 573
UNESCO, World Heritage List 171–2, 175–7
value assessment in heritage regulation 456, 458–9, 466
Listokin, D. 347, 352, 360
Lithuania 45, 46, 47, 48, 61, 71, 82
Lo Piccolo, F. 126
lobby groups see interest groups
local development relationship 367–85
branding 382
commercial heritage industries 369
economic area regeneration 382
economic development strategies, using heritage in 377–9
economic dimension of heritage 368–9
free-riding 378
gentrification issues 375
heritage definition 368–70
heritage and economics, relationship between 370–72
heritage as location factor 380–81
heritage as place identifier 381
heritage as public good 371–2
heritage seen as problem 383
heritage as tourism industry resource 379–80
indirect heritage costs 371
indirect returns from tourism 380
industrial assembly model 378–9
investment and profits, relationship between 372–7
local economic development, heritage instrument for 379–82
nationally funded restoration programmes 375–6
‘neighbour’s dilemma’ problem 373–4
place images and heritage 369, 380–81
place–product promotion 382
possibilities and limitations 382–4
private conservation trusts 375–6
property values, effects on 376–7, 381
public sector involvement 374–5
tourism and commercialization 370–71, 379–80, 381
turnstile model 378
windfall gain model 377–8
see also community development and involvement
Lohmann, S. 23
Lokshin, B. 142
Londregan, J. 22
Longo, A. 92
Loomis, J. 448
looting problems 158–60, 165, 179
Lowenthal, D. 328
Luksetich, W. 486
Lundgren, T. 130, 142
Luxembourg 71
Ma, S. 138, 142
McAndrew, C. 168
McCain, R. 264
McCaughey, C. 46
McCubbins, M. 22
McDonald, K. 215, 224
Machlup, F. 290
McKelvey, R. 28
McKercher, B. 387, 388, 390, 397
McLoughlin, J. 379
Mackenzie Owen, J. 263, 264, 269
Madden, C. 37, 193
Maddison, D. 95, 391, 599
Maennig, W. 354, 357
Mairesse, François 151–70, 482, 483, 486
Malmquist productivity index, efficiency measurement 479
Malta 45, 46, 48, 72, 116
management
archaeological sites 334–5, 336–8, 339–40
architectural conservation choices 310–11, 321, 322
Council of Europe on private sector management 121
inefficiency, causes of 474–5
management challenges of organizations 209–30
civil society contributions 217
creation of cultural heritage, economic and societal implications 220
cultural mediation 215, 222
cultural professionals 215–16, 222
customer orientation criticisms 224
definition of cultural heritage organizations 209–11
demand perspective 211–14
display function 210–11, 212, 221–2 ‘elitist’ criticisms 221–2
demotionality or emotivity 211–12, 214
external environment 218–23
field legitimacy 221–3
friends’ associations 217
funding and support, attracting 219–20
human and cultural capital 213, 221–2
human interactivity 211, 214
immaterial culture 210
innovative action 225
internal environment 223–5
legal and organizational form 217–18
legitimacy challenges 220–21
management boards 217
mission, legitimacy and attractivity 219–21
operating core staff 217
preservation and storage 220
professional and organizational logics 223–5
professionalization of cultural management 224
promotional role 220
public understanding and enjoyment, need for 222
as service organizations 210–11
as service organizations, comparison of 211–18
supply perspective 215–18
technological interaction 211, 212, 214, 218–19, 222–3
volunteer staff 217
Manning, R. 339
Marcus, M. 290
market effects of historic preservation 344–63
certification policy 348, 349
cluster project policies 348
Contingent Valuation Method (CVM) to assess impact 355
decision-making and choice of properties 355–6
economic evidence assessment 356–8
external effects 345–6
future research 355, 359–60
genreification claims 351
hedonic price method to assess impact 352–5
historic preservation as public good 344–6
historic quality versus preservation policy 357
housing supply, impact on 350–51
impact evidence 352–5
Italy, public spending for conservation 513–16, 519, 520, 522
lock-in effect of public goods 345, 350–51
maintenance and preservation issues 345
market forces as alternative, UNESCO, World Heritage List 180
market mechanism, lack of, Latin America, urban heritage sites 528–9
market-level effects 351
marketing support, intangible cultural heritage 411–12
neighbour effects 350–51, 354–5, 359, 360
policy effects 346–8, 349–51, 357, 359, 360
preemptive redevelopment concerns 349–50
preserved property, effects on (own effects) 349–50, 358–9
property values 346, 349, 350–51, 352–5, 358–9
regulation, Italy, public spending for conservation 516
revitalization effects 355
single property policies 347
spatial patterns, complex 357
subsidies 348, 349
value of listed buildings 122
marketing of heritage venues or destinations 231–48
attendance and socio-demographic variables 234–5
branding 244–5
competition factor 234, 239
cultural consumer market 234–5
customer service, importance of 245–6
demographic variables 238
distribution variable 242
economic environment 238
education levels and cultural consumer market 234–5
environmental elements 237–8
for-profit sector 232, 233
marketing concept, applying 231–3, 248
marketing information system (MIS) 239–40
marketing mix 240–43
not-for-profit sector 232–3, 243
partner market 235
placing of product 242
political–legal environment 238
positioning, importance of 243–5
pricing strategy 241–2
private-sector market 236–7
product 240–41
promotional tools 242–3
reasons for using 233–4
saturation point problem 232
segmentation 237
sponsorship 236–7, 243
technological environment 238, 239–40, 243
time and specificity of organization 239
Marquis-Kyle, M. 458
Martins, D. 154
Martimort, D. 32
Martin, B. 393–4
Marty, P. 263
Maskey, V. 356, 360
Mason, P. 173
Mason, R. 96, 103, 130, 142, 329, 352, 376, 457, 468
Matamala, J. 398
Mauss, M. 414
May, P. 142
Mazza, Isidoro 17–36
Mazzanti, M. 89, 92, 96, 391, 393, 468
Meier, S. 138, 166
Mendes Zancheti, S. 531, 533
Mercer, D. 593–4
Merryman, J. 168
Meskell, L. 329
Metcalf, G. 132
Mexico
City of Teotihuacan 447
Jesus Nazareno church, Atotonilco 320
Oaxaca see under Latin America, urban heritage sites, public sector preservation involvement
Meyer, J. 218
Mignosa, Anna 32, 36–86, 425, 498
Millar, S. 173
Miller, D. 31
Millerick, C. 353, 357
Mirel, D. 137
Mitchell, R. 589
Mitroff Silvers, Dana 272–89
Mohnen, P. 142
Mollier, J. 293
Montenegro, A. 355
Montgomery, S. 352, 355
Montmarquette, C. 92, 93
Moore, K. 126
Moorhouse, J. 353
Moran, D. 593
Morey, E. 92, 441
Morocco, Fes Medina see Delphi contingent valuation study, site of global significance, Fes Medina, Morocco
Morse, P. 304
Moss Kanter, R. 225
Mossetto, G. 23, 112, 173, 532
Moulin, R. 215, 220, 221
Mourato, S. 392, 440, 441, 599
Mueller, D. 32
Mulcahy, K. 126
multidisciplinary experience see Egypt, Aga Khan multidisciplinary experience, Cairo
Mungatana, E. 593
Muñoz Viñas, S. 334
Murzyn-Kupisz, M. 125
museums
creation processes 100
cultural statistics, current challenges in 197, 199–200
delocalization of 162
International Council of Museums (ICOM) 124, 158
migrating 162–3
Musgrave, R. 6

Napel, S. 24, 33
Narwold, A. 354
Navarrete, Trilce 251–71
Navrud, Ståle 376, 439, 441–2, 461, 468, 481, 586–611
Ndoro, W. 328
Negussie, E. 126
neighbour effects
market effects of historic preservation 350–51, 354–5, 359, 360
‘neighbour’s dilemma’ problem and local development 373–4
Nelson, P. 15
Netherlands 8, 30, 45, 46, 48, 61, 72, 82
Belvedere programme 381
Newman painting, Stedelijk Museum 155
Triodos bank Cultural Fund 490 windmills 432–5
Netzer, D. 173
New Zealand 199–200
NGO and civil society involvement 54, 56, 116, 182, 216, 217
see also private sector role
Nicolau, J. 94, 390

Nijikamp, P. 451
Nikimura, Y. 531, 533
Nishimura, Y. 569, 570
Niskanen, W. 475
Nitzan, S. 22
Nixon, T. 339
Noonan, Douglas S. 96, 344–63, 586
Norway 45, 61, 82
Nurmi, H. 18, 31

Oates, W. 24, 25
Octobre, S. 215, 220, 223
Odlyzko, A. 302
O’Hagan, J. 31, 46, 166, 168
O’Halloran, S. 28
Olson, M. 11, 23
Orbasi, A. 380
Otlet, P. 156

Padró, J. 220
Pagiola, S. 599
Palumbo, G. 329, 524
Pamini, P. 6, 104, 114, 122, 180
Paolini, Paolo 272–89
Parkinson, M. 382
Parry, R. 156
Parsons, M. 142
Pascual, U. 468
Pastoureau, M. 156
Paulus, O. 482, 486
Payne, A. 134, 140

Pearce, D. 131, 586
Peereboom, M. 263
Perelman, S. 474
performance, cultural heritage institutions see institutions, performance of
Persson, T. 32
Peru, Machu Picchu 447
Pestieu, P. 474
Peterson, R. 217, 224
Petitt, B. 20
Petr, C. 237
Petrova, Lyudmila 36–86
Pfeffer, J. 218, 224–5
Pflieger, S. 407
Phillips, N. 142
Phillips, R. 102
Pickard, R. 129, 139, 142, 143
Pignataro, G. 480, 482, 486
Pindyck, R. 132
Plaza, B. 96, 102–3, 447, 448, 449–50
Poland 45, 46, 48, 73, 123

policies, comparative perspective 37–86
centralized administration 43, 54–66
decentralization 39–40, 43–4
direct public expenditure 44–5
economic potential 38
elitist risks 40
evolution of policies 38–9
future direction 201–2
intangible heritage 42
interest groups 44
loan schemes by private banks 48–9
lottery funding 48
matching grants 47
membership fees 41
NGO involvement 54, 56
policy design 42–4
policy implementation 44–9
policy objectives 42
political ‘arm’s length’ principle 30–31, 39–40
private sector intervention 40–41, 43–4
public decision-making process 39–40
public–private partnership (PPP) 47–8
regulation 49–50, 76–86
sponsorship 47
tax incentives 45–7, 67–75
Triple Bottom Line Approach 201
policy effects
‘arm’s length’ principle 30–31, 39–40
history and concept, Japan, intangible cultural heritage 571–5
implementation, comparative perspective 44–9
implementation and public decision-making 27–31
policy design 42–4
policy-making theory and public decision-making 19–26

value assessment in heritage regulation 465–7
see also regulation
political involvement
architectural conservation choices 312–13, 319–20
control, overcoming inadequate, UNESCO, World Heritage List 182
marketing of heritage venues or destinations 238
Pommerehne, W. 29, 220
Ponzini, D. 120
Poole, N. 253, 258
Poor, J. 441, 453
Poria, Y. 389
Portugal 45, 46, 48, 62, 73, 83
Power, D. 198
preservation
architectural conservation choices 315, 316–17
demand 96
market effects see market effects of historic preservation
requirements, UNESCO, World Heritage List 175, 182
and storage, management challenges of organizations 220
urban heritage sites see Latin America, urban heritage sites, public sector preservation involvement
and utilization policy, intangible cultural heritage 574
see also conservation; reconstruction approach; rehabilitation
Pressouyre, L. 185
pricing strategy
admission prices 183, 292, 391–2
digital cultural heritage 259
marketing of heritage venues or destinations 241–2
willingness-to-pay (WTP) see
willingness-to-pay (WTP) see also cost-benefit analysis; economic effects; funding
Prieto-Rodríguez, Juan 94, 470–88
private ownership
and listed buildings 6–7, 10
private right to use/public right to preserve separation 373
and tax policy 132–5
private sector
conservation trusts 375–6
Council of Europe on private sector management 121
NGO and civil society involvement 54, 56, 116, 182, 216, 217
see also sponsorship
private sector role 111–28
conceptual framework 114–24
concerns about 114–15
creation of properties with cultural merit 112–13
crowding-out 118–20
free market approach 120
free-riding 118
market value of listed buildings 122
NGO involvement 116
non-profit sector 115–16
private ownership proportion 121–2
private sector management roles 120–21
private utility benefits 118
privatization and direct ownership of heritage assets 120–22
public sector funding reduction 119–20
public sector intervention and regulation requirements 115, 118–19, 120, 122
public–private partnerships see public–private partnerships (PPPs)
shareholder/stakeholder conflict 121
sponsorships and partnerships, distinction between 116–18
volunteerism as major commitment 123–4
Proctor, Nancy 272–89
professional and project management see management
property
criteria for evaluation of 457–8
housing rehabilitation program (HRP), Aga Khan
multidisciplinary experience, Cairo 562–3
housing supply, impact on 350–51
taxes 136–7
values, and local development, relationship between 376–7, 381
values and market effects of historic preservation 346, 349, 350–51, 352–5, 358–9
Prott, L. 167
public decision-making and implementation 17–36
bureaucracy 28
decentralization effects 25
delegation of policy tasks to bureaucrats 28–9
design and policy-making 26–31
devolution, benefits of 25
electoral competition 21–4
free-riding 25
information asymmetries and rent-seeking activities 23
information problem 20
interest groups 23–4
policies, redistributive impact 21–2, 26–7
policy implementation 27–31
policy uncertainty and delegation 29
policy-making with multiple levels of government (fiscal federalism) 24–6
policy-making theory 19–26
political economic analysis 20–21
political ideology 24
political self-interest 20
preferences and voting, aggregation of 17–20
public grants, political economic determinants 22
public participation suggestion 29
'swing' districts and funding 22
voters' preferences, uncertainty of 22
watchdogs against bad practices 28
public intervention 3–16
bequest value 4–5
conservation of monuments and buildings 5, 6
consumption levels 12–13
cultural heritage institutions, performance of 471–2
economic growth factors 12
efficiency and limits of 9–11
externalities 5–6, 12–13
free riders and market failure 5–6
heritage concept, extension of 10
heritage as public goods 5, 6
heritage sites as non-rival goods 5
intervention and regulation
requirements, 115, 118–19, 120, 122
listed buildings 6–9, 10–11
listed buildings, demolition or alterations to buildings 8–9
merit good argument 6
nature and values of heritage goods 4–5
private property and listed buildings 6–7, 10
public and private goods, distinction between 5, 6
reasons for 3–6
regulations, local or central 9
risk factors 11–13
social considerations and use and non-use values 4
subsidies versus regulations 7–9, 12
tax cuts 8, 10, 12
tools of 6–9
visitor levels 12–13
public sector
funding reduction 119–20
local development, involvement in 374–5
resources, inadequate, UNESCO, World Heritage List 182
spending for conservation see Italy, public spending for conservation case study
urban heritage sites preservation see Latin America, urban heritage sites, public sector preservation involvement
public–private partnerships (PPPs)
cultural heritage policies, comparative perspective 47–8
private sector role 120
responsibilities of, international market for cultural heritage 159
Quartessan, A. 531, 533
Quinn, R. 30
Randall, A. 589, 598
Ranfft, E. 156
Rausell, P. 219
Ravanas, P. 240
Ready, R. 376, 461, 586, 599, 601
Réau, L. 11
reconstruction approach see under architectural conservation choices
Reenock, C. 33
Regalado-Pezúa, O. 173
regulation
cultural heritage policies, comparative perspective 49–50, 76–86
international market for cultural heritage 157–8
value assessment see value assessment in heritage regulation versus subsidies 7–9, 12
see also policy effects
rehabilitation
incentives and market values, urban heritage sites 529
non-monumental built environment, Fes Medina, Morocco 589, 593
and reuse economics, architectural conservation choices 311, 316
see also preservation
Reich, R. 405
Remond, R. 14
Rentschler, R. 244
reputation role, Italy, public spending for conservation 510, 518
return on investment (ROI)
academic libraries 296–7, 301
technologies for cultural heritage 281–2
see also economic effects
Revelli, Federico 129–45
Ribar, D. 126
Richards, G. 200, 387, 391
Rickman, D. 354, 357
Riegl, A. 154
Ring, I. 142
Rizzo, Ilde 9, 10, 23, 25, 32, 89, 96,
Handbook on the economics of cultural heritage

Roby, T. 331
Rodden, J. 32
Rodriguez-Pose, A. 448
Rogers, E. 225
Rogerson, C. 448
Rojas, Eduardo 120, 526–48
Romania 45, 46, 47, 48, 62, 73, 83
Romer, T. 28
Romis, M. 531, 533
Rosato, P. 352
Rose, A. 32
Rosellô, D. 222
Rosenthal, H. 28
Rosenthal, N. 154
Roseta-Palma, C. 130
Rossman, K. 92, 441
Rouet, F. 391
Rowan, B. 218
Rowley, C. 32
Ruijgrok, E. 354, 355, 357
Rush, L. 333
Rushton, M. 22
Russell, J. 126
Russia 62, 83
State Hermitage Museum, St Petersburg 238
Russo, A. 393, 394
Rypkema, D. 347, 376
Sable, K. 92, 95
Saccone, D. 114
Sackman, H. 590
Saint-Paul, G. 21
Salancik, G. 218, 225
Salaûin, Jean-Michel 290–305
Samir, Haitham 549–66
Samis, P. 284
Samuelson, P. 5
San Marino 118
Santagata, W. 12, 173, 407
Sanz, J. 92, 391
Sasaki, M. 412
Sato, N. 415
Schaeffer, P. 353, 357
Schnapp, A. 340
Schneider, F. 32
Schulze, G. 21–2, 32, 269
Schuster, J.M. 38, 134, 140, 193, 347, 468, 523
Schwartz, H. 155, 167
Scott, A. 406
Scott, R. 218
Scott, S. 225
Scribner, D. 352
Seaman, Bruce A. 21, 92, 93, 104, 111–28, 264, 391, 398, 447, 448
Segre, G. 130
Seo, M. 225
Serbia 62, 83
Shackley, M. 173
Shalley, C. 225
Shanley, M. 219
Shapiro, C. 264
Shipley, R. 352
Shuster, J. 529, 538
Signorello, G. 440
Silberberg, T. 386
Simar, L. 484
Simmonet, V. 407, 412, 413, 414
Siravo, F. 565
Skaf, I. 331
Skeates, R. 328
Skinner, S. 448
Slovakia 45, 46, 48, 74
Slovenia 45, 46, 63, 74, 84
Smith, J. 453
Smith, K. 286
Smith, L. 338
Smith, M. 353
Snowball, Jen D. 92, 436, 438–55
social impact
Aga Khan multidisciplinary experience, Cairo 561–2
cultural statistics 192–3
demand for cultural heritage 89–90
library economics 297
output indicators, institutions, performance of 480–81
use and non-use values, and public intervention 4
social values
archaeological sites, conservation and sustainable development 327–8
architectural conservation choices 319
heritage regulation value assessment 458, 460
values of cultural heritage 426–7, 428, 432–5
Sondermann, M. 187
Sonnac, N. 415
Spain 8, 45, 46, 63, 84
Barcelona, Picasso Museum 392
Guggenheim Museum 449–50
tax incentives 74, 136, 137
Valladolid contemporary art museum 442–3, 445
sponsorship
cultural heritage policies, comparative perspective 47
marketing of heritage venues or destinations 236–7, 243
mobile business model, technologies for cultural heritage 286–7
and partnerships, distinction between 116–18
see also donor programmes; funding; interest groups; private sector
Stabler, M. 382
stakeholder involvement
Aga Khan multidisciplinary experience, Cairo 554–9
Latin America, urban heritage sites, public sector preservation involvement 534, 535, 542, 544
and sustainable management, vicious circle of 392–6
tourism and heritage interdependence 397–8
values of cultural heritage 428–9, 432
Stanley-Price, N. 340
statistics see cultural statistics, current challenges in
Stein, J. 102
Steinberg, R. 475
Steiner, Lasse 171–86
Stenberg, K. 217
Stenseke, M. 126
Stigler, G. 93
Stovel, H. 328
Strike, J. 322
Struyk, A. 436
Stubbs, John H. 309–25
Stutzer, A. 103
subsidies
and economic sustainability, intangible cultural heritage 414
library economics 295
market effects of historic preservation 348, 349
versus regulations 7–9, 12
see also funding
Suchman, M. 218, 219
Sullivan, S. 336
Summers, D. 225
sustainable development
archaeological sites see archaeological sites, conservation and sustainable development
intangible cultural heritage, safeguarding 403, 406
and stakeholder involvement, vicious circle of 392–6
urban heritage sites, public sector preservation involvement 534–5, 542, 544–6
Swaim, R. 360
Sweden 45, 48, 63, 75, 84, 118, 198
Swennen, F. 167
Swidler, A. 213
Switzerland 64, 85
symbolic value
demand for cultural heritage 95, 96
management challenges of organizations 211, 213, 214
value assessment in heritage regulation 460
Szántó, A. 37
Taalas, M. 482, 483, 486
Tabellini, G. 32, 33
Talisman, B. 116
Tanner, S. 258
Tapper, R. 173
tax incentives 8, 10, 12
cultural heritage policies, comparative perspective 45–7, 67–75
charitable giving 137–41
cultural heritage as capital 130–32
cultural heritage as capital, analytical framework 131–4
cultural heritage, lower appeal for 140–41
endogenous growth models 131, 146–8
financial constraints, possible 132–3
fiscal incentives 135
free-riding 131–2
Gift Aid schemes 140
gifts of enduring property (by bequest or inheritance) 139–40
heritage trusts, charitable giving to 138
income tax incentives 136
investment tax credits (ITC) 132–4, 135–7
non-profit organizations, charitable giving to 138–9
in practice 134–41
preservation easement donations (restrictive covenants) 139
private ownership and tax policy 132–5
property taxes 136–7
research 140
tax credit system 136
VAT relief 137
see also funding
Taylor, A. 30

Technological environment
ICT effects and virtual access 90, 97–8, 99–100, 101–2
management challenges of organizations 211, 212, 214, 218–19, 222–3
marketing of heritage venues or destinations 238, 239–40, 243
technical efficiency, cultural heritage institutions 473–4, 483
virtual reality see China, Daming Palace, Xi’an virtual reality case study

technologies for cultural heritage 272–89
advertising-supported mobile business model 287
ArtScope (SFMOMA) 283
audio tours 283–4
benefits 276–7
business models 275
Collections Information and Access (CIA) (SFMOMA) 280
communication costs 275–6
consequences and future perspectives 277
cultural experts, lack of attention by 274
digital content production costs 276, 279
digital divide 272–5, 277
financial resources 273–4
freemium mobile business model 285
funding and sustainability (SFMOMA) 282–3
interactive data visualization (SFMOMA) 279–80
Interactive Educational Technologies (IET) (SFMOMA) 280
membership benefit mobile business model 287
mobile applications 276, 277, 282, 283–7
mobile business models 285–7
mobile production models 284
omnibus mobile business model and blockbuster tours 285
online scholarly catalogue (SFMOMA) 280
open data mobile business model and third party availability 286
policy makers and sponsors 274, 277
return on investment (ROI), tracking (SFMOMA) 281–2
sponsorship mobile business model 286–7
staffing requirements (SFMOMA) 280–81
subscription mobile business model 286
websites 278
websites, SFMOMA case study 278–83, 287
see also digital cultural heritage

Telesetsky, A. 135, 143
Tenopir, C. 297
Thesmar, D. 12
Thompson, E. 354
Thompson, J. 338
Thomson, K. 168
Throsby, David 11, 23, 25, 32, 38, 40,
<table>
<thead>
<tr>
<th>Page Numbers</th>
<th>Subjects</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tijmstra, S. 448</td>
</tr>
<tr>
<td></td>
<td>Timothy, D. 380, 386, 390, 392</td>
</tr>
<tr>
<td></td>
<td>Tinkelman, D. 126</td>
</tr>
<tr>
<td></td>
<td>Tirole, J. 11, 141</td>
</tr>
<tr>
<td></td>
<td>Tisdell, C. 173</td>
</tr>
<tr>
<td></td>
<td>Tobelem, J. 224, 391</td>
</tr>
<tr>
<td></td>
<td>Toepfler, S. 224</td>
</tr>
<tr>
<td></td>
<td>Toepler, S. 125</td>
</tr>
<tr>
<td></td>
<td>archaeological sites, conservation and sustainable development 330–31, 334, 339</td>
</tr>
<tr>
<td></td>
<td>and commercialization 370–71, 379–80, 381</td>
</tr>
<tr>
<td></td>
<td>Cultural Restoration Tourism Project 123</td>
</tr>
<tr>
<td></td>
<td>demand for cultural heritage 96–7, 102–3</td>
</tr>
<tr>
<td></td>
<td>effects of, UNESCO, World Heritage List 178, 183</td>
</tr>
<tr>
<td></td>
<td>mass, and split economic benefits 330–31</td>
</tr>
<tr>
<td></td>
<td>values of cultural heritage 427, 428, 429, 430</td>
</tr>
<tr>
<td></td>
<td>see also cultural statistics, current challenges in; customers; institutions, performance of tourism and heritage 386–401</td>
</tr>
<tr>
<td></td>
<td>admission price strategies 391–2</td>
</tr>
<tr>
<td></td>
<td>area life-cycle model 394–5</td>
</tr>
<tr>
<td></td>
<td>carrying capacity and sustainability 393–4</td>
</tr>
<tr>
<td></td>
<td>cultural heritage market 389–92</td>
</tr>
<tr>
<td></td>
<td>definitions 387–8</td>
</tr>
<tr>
<td></td>
<td>demand, influence of 391</td>
</tr>
<tr>
<td></td>
<td>domestic tourism numbers 390</td>
</tr>
<tr>
<td></td>
<td>experience and product consumption 388</td>
</tr>
<tr>
<td></td>
<td>heritage sites, increase in number 392</td>
</tr>
<tr>
<td></td>
<td>impact of, assessment problems 397–400</td>
</tr>
<tr>
<td></td>
<td>income effects 390, 391</td>
</tr>
<tr>
<td></td>
<td>infrastructure 390</td>
</tr>
<tr>
<td></td>
<td>international tourism numbers 389–90</td>
</tr>
<tr>
<td></td>
<td>labour impact 398</td>
</tr>
<tr>
<td></td>
<td>local community development 396</td>
</tr>
<tr>
<td></td>
<td>proportion of cultural tourism 390</td>
</tr>
<tr>
<td></td>
<td>specialist markets, increase in 387, 391</td>
</tr>
<tr>
<td></td>
<td>stakeholder interdependence 397–8</td>
</tr>
<tr>
<td></td>
<td>stakeholder management and governance 398</td>
</tr>
<tr>
<td></td>
<td>sustainable management and stakeholder involvement, vicious circle of 392–6</td>
</tr>
<tr>
<td></td>
<td>tourism seasonality 398</td>
</tr>
<tr>
<td></td>
<td>tourist agent costs 390–91</td>
</tr>
<tr>
<td></td>
<td>visitor expectation management 395, 396</td>
</tr>
<tr>
<td></td>
<td>workforce integration studies, lack of 398</td>
</tr>
<tr>
<td></td>
<td>Townley, B. 217</td>
</tr>
<tr>
<td></td>
<td>Towse, R. 23, 31, 32, 96, 112, 173, 290, 468, 573</td>
</tr>
<tr>
<td></td>
<td>traditional craftsmanship see intangible cultural heritage, safeguarding</td>
</tr>
<tr>
<td></td>
<td>Tran Huu, T. 586, 601</td>
</tr>
<tr>
<td></td>
<td>Trant, J. 264, 268</td>
</tr>
<tr>
<td></td>
<td>Tresserras, J. 398</td>
</tr>
<tr>
<td></td>
<td>Triple Bottom Line Approach, cultural heritage policies 201</td>
</tr>
<tr>
<td></td>
<td>Trivelli, P. 531, 533</td>
</tr>
<tr>
<td></td>
<td>Tsakatika, M. 31</td>
</tr>
<tr>
<td></td>
<td>Tuan, T. 439, 441–2, 468, 481</td>
</tr>
<tr>
<td></td>
<td>Tunbridge, J. 379, 382</td>
</tr>
<tr>
<td></td>
<td>Turkey 64–5, 85</td>
</tr>
<tr>
<td></td>
<td>Ephesus 447</td>
</tr>
<tr>
<td></td>
<td>Turnbull, G. 349</td>
</tr>
<tr>
<td></td>
<td>UK</td>
</tr>
<tr>
<td></td>
<td>Areas of Archaeological Importance 122</td>
</tr>
<tr>
<td></td>
<td>centralized administration 65–6</td>
</tr>
<tr>
<td></td>
<td>creative industries, economic value of 187</td>
</tr>
<tr>
<td></td>
<td>cultural heritage budget 199</td>
</tr>
<tr>
<td></td>
<td>cultural industry employment 198</td>
</tr>
<tr>
<td></td>
<td>delegation to independent experts 29–30</td>
</tr>
<tr>
<td></td>
<td>Elgin marbles, British Museum 152–3, 155</td>
</tr>
<tr>
<td></td>
<td>funding of Non-Departmental Public Bodies (NDPBs) 40</td>
</tr>
<tr>
<td></td>
<td>Gift Aid schemes 140</td>
</tr>
</tbody>
</table>
gifts of enduring property (by bequest or inheritance) 139
listing 10, 197, 494
looting from archaeological sites 122
lottery funding 17–19, 48
monuments at risk 11
Nimrud ivories, British Museum 157
private ownership 121
private sector involvement 122
private sponsorship 118
public expenditure for culture 45
regulation 85–6
restoration and revolving funds 122–3
tax incentives 8, 75, 137, 139
Vindolanda, Hadrian's Wall 443–4
Waverley Criteria and export licences 165
UK, Panmure House, Edinburgh case study 491–8
architectural changes, objections to 495–6
conditions attached to purchase and renovation 492–3, 495
cultural heritage choices 493–4
decision-making process 494–6
disabled access requirements 495
history of 491–2
listing 494
planning permission problems 495–6
UNESCO
data collection challenges 188
Framework of Cultural Statistics 91–2, 97–8, 103, 190
Illicit Trafficking of Cultural Property 188
Intangible Cultural Heritage 189, 402, 403–4, 405, 407–8, 410, 570, 576, 581
private sector partnerships, definition of 117
Safeguarding of Intangible Cultural Heritage 188
world heritage definition 6
UNESCO, World Heritage List, see World Heritage List
United Nations Conference on Trade and Development (UNCTAD) 191
United Nations World Tourism Organisation (UNWTO) 200
urban heritage sites see Latin America, urban heritage sites, public sector preservation involvement
Ursprung, H. 21–2
US
American Fundraising Council and philanthropy 198
Atlanta, Fox Theater 111
Chicago historic preservation policies 347, 356
cultural participation 99–100
Heritage Preservation 115–16
library use 292, 297
Making Cities Stronger library report 296
Museum of Modern Arts (MoMA) 236–7, 287
national cultural policy, lack of 116
National Endowment for the Arts 119
National Historic Preservation Act 129
national registers for historical buildings 197
New York, Grand Central Station 7
non-profit organizations, charitable giving to 138
SFMOMA website case study 278–81, 287
Silos and Smokestacks National Heritage Area (SSNHA) 450–52
Soldier Pocket Cards and heritage preservation 333
sponsorship as moral contract 236–7
tax incentives 135, 136–7, 139
Worth Their Weight library report 296
Uysal, M. 393–4
value assessment in heritage regulation 456–69
aesthetic value 458, 460
authenticity value 460
Burra Charter, Australia criteria 323, 359, 458
cultural capital characteristics 460–61
cultural capital concept 459–61
cultural significance criteria 457–9
economic and cultural value trade-off 466–7
economic value 461
historic value 458, 460
listing 456, 458–9, 466
locational value 460–61
policy implications 465–7
properties, criteria for evaluation of 457–8
religious values 328
scientific value 458
social value 458, 460
spiritual value 458, 460
symbolic value 460
value assessment in heritage regulation, cultural value measurement 462–6
direct rating 463–4
indirect rating 464–5
objective description 462–3
ranking 464
threshold level of significance 464
values of cultural heritage 421–37
beneficiaries, assessment of 424–5
bequest value 424
contingent valuation studies 423, 425
cultural heritage valuation studies 423, 425
cultural heritage as social good 430–32
cultural values 426, 428, 432–5
Dutch windmills as example 432–5
economic impact studies 423, 425
educational value 424
existence value 424
financial support from valorization 319–20
financial values 428, 435
financing mode, importance of 429, 432
free riding 430, 431
goal values 426–9
historical, symbolic or artistic values of cultural heritage sites 425–6, 432–5
intrinsic values 438–9
intrinsic values, measurement of 439–45
landscape as economic capital, example of 423
non-use values 438–9, 445
option value 423–4
ownership and exclusion factors 430–31
personal values 427
realizing economic or financial values 422–5, 428
social values 427, 428, 432–5
societal values 426–7, 428, 432–5
stakeholder involvement 428–9, 432
subsidies 432, 433, 435
tourism 427, 428, 429, 430
valorization and persuasion 428–9
Van de Ven, A. 225
Van der Aa, B. 173, 176
Van der Ploeg, F. 30, 31, 40
Van Mensch, P. 153
Van Praag, B. 103
Van Reenen, J. 142
Vanden Eeckaut, P. 482, 483
Varian, H. 264
Vecco, M. 89, 173
Vicente Hernández, E. 102
Vietnam, My Son World Heritage Site 441–2, 445
virtual reality
China see China, Daming Palace, Xi’an virtual reality case study
see also digital cultural heritage
visitors see customers
Vitaliano, D. 484, 486
Vogelsong, H. 447
volunteerism 123–4, 217
Voorbij, H. 260, 268
Walker, P. 458
Wallace, J. 215, 224
Wallace-Hadrill, A. 338
Warhol Art Authentication Board, Brillo Boxes affair 155–6
Warren, J. 310
Watt, J. 439
Webb, A. 445
Wegner, G. 468
Weibull, J. 22
Weil, S. 480, 486
Weiler, J. 372
Weingast, B. 25, 32
Weisbrod, B. 4
Wetzel, H. 484
Weyergraf-Serra, C. 167
<table>
<thead>
<tr>
<th>Term</th>
<th>Page(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Whitehead, J.</td>
<td>441</td>
</tr>
<tr>
<td>Wilhelm, M.</td>
<td>126</td>
</tr>
<tr>
<td>willingness-to-pay (WTP)</td>
<td>440, 441–3, 445</td>
</tr>
<tr>
<td>Fes Medina, Morocco</td>
<td>see under Delphi contingent valuation study, site of global significance, Fes Medina, Morocco</td>
</tr>
<tr>
<td>Willis, K.</td>
<td>441, 443–4, 453, 468, 600</td>
</tr>
<tr>
<td>Willis, P.</td>
<td>352</td>
</tr>
<tr>
<td>Wilson, C.</td>
<td>173</td>
</tr>
<tr>
<td>Wintrobe, R.</td>
<td>28</td>
</tr>
<tr>
<td>Wirth, E.</td>
<td>601</td>
</tr>
<tr>
<td>Withers, G.</td>
<td>21</td>
</tr>
<tr>
<td>Wittman, D.</td>
<td>24, 32</td>
</tr>
<tr>
<td>Woodward, C.</td>
<td>334</td>
</tr>
<tr>
<td>Wooldridge, B.</td>
<td>224</td>
</tr>
<tr>
<td>World Archaeological Congress (WAC)</td>
<td>338</td>
</tr>
<tr>
<td>World Bank</td>
<td>187, 539, 589</td>
</tr>
<tr>
<td>World Commission on Culture and Development</td>
<td>406</td>
</tr>
<tr>
<td>World Federation of Friends of Museums (WFFM)</td>
<td>124</td>
</tr>
<tr>
<td>World Heritage List</td>
<td>171–86</td>
</tr>
<tr>
<td>admission costs on popular alternatives sites</td>
<td>183</td>
</tr>
<tr>
<td>alternatives</td>
<td>179–84</td>
</tr>
<tr>
<td>attention attraction</td>
<td>174</td>
</tr>
<tr>
<td>competing evaluations</td>
<td>180–81</td>
</tr>
<tr>
<td>cultural landscapes</td>
<td>189</td>
</tr>
<tr>
<td>destruction, risk of 178–9, 184</td>
<td></td>
</tr>
</tbody>
</table>