The following abbreviations are used in the index:
SITE:  Small Island Tourism Economics
TSA:  Tourism Satellite Account

Abegg, B. 176
Abu Soma, Egypt, World Bank project 237, 238
accounting frameworks for sustainable tourism 104–24
adaptive behaviour 191–2
Addo Elephant National Park, World Bank project 247
AFEST (Accounting Framework for Ecologically Sustainable Tourism) 120–22
Africa, economic impact of tourism 228–9
Agnew, M. 176, 177
agriculture, impact of tourism boom 87–100
aid and SITEs development 37
air pollution indicators, ESEPI framework 166
tourism share 124, 203
allocation of land, and tourism growth 74–8
Amelung, B. 177
America, North, impact of climate change on tourism 176–7
Anderson, R.I. 254
Armstrong, H.W. 33, 34, 36
asymmetric models, tourist arrivals 44
autoregressive conditional heteroscedasticity (ARCH) model 41–4
balance of payments, impact of tourist numbers 38
Balearic Islands, tourist eco-tax 205–7
Banker, R.D. 254
Barbados international tourist arrivals 39–41
tourism forecasting model 45–7, 50–52
bed number, as indicator of management expenses 258
Belize City, World Bank project 238
Bell, R.A. 254
Bennett, J. 61
Berndt, E.K. 46
Bhutan, tourism tax 207
Bigano, A. 178
biodiversity loss indicators, ESEPI framework 168
Bollerslev, T. 31, 41
borrowing difficulties, SITEs 37
Bricker, D.L. 254
Briguglio, L. 34, 36
Brunstad, R.J. 61
Burkina Faso, World Bank project 245–6
Bwindi Impenetrable National Park, World Bank project 247–8
Cahill, S. 204–5
Cammarrota, M. 125
Canada, impact of climate change on tourism 177
capital formation, tourism industries, TSA tables 158–61
Charnes, A. 254
choice experiment and tourism expansion planning 288–9
Luang Prabang 291–305
Christie, I. 228–9, 231
Clark, C. 73
climate impact on tourism 175–6
Italy 181–2
Index

climate change
impact on tourism 173–4, 176–90
indicators, ESEPI framework 167
coastal zone pollution indicators,
ESEPI framework 168–9
conditional volatility, tourist arrivals,
SITEs 30–32, 39–53
congestion costs of tourism 201–3
Coral Reef Rehabilitation project,
Indonesia 245
Corden, W.M. 101
Costa Rica
Biodiversity Resources Development
Project 244, 248
eo-markets project 245
costs of tourism 87, 227
Crespi, J. 177
Croatia
eco-tax 210–19
tourism 208–10
Croes, R. 200, 220
Crompton, D. 228–9, 231
Crouch, G.I. 200
cultural heritage, impact of tourism
204, 236
Cyprus
international tourist arrivals 39–41
tourism forecasting model 45–6, 48,
50–52
data envelopment analysis (DEA)
254–67
Davies, T. 204–5
de Freitas, C.R. 175, 176
De Haan, M. 111
DEA (data envelopment analysis)
254–67
Deiva Marina, efficiency of tourism
management 260–63
demand for tourism
and environmental quality 199–201
forecasting of 30–32, 45–53, 174–5
destination image, role of climate
175–6
development aid, SITEs 37
Ding, C.G. 37
discouting, and environmental
degradation 69–72
Dittman, D.A. 254
Dixon, J. 204, 234
domestic supply and internal tourism
consumption, TSA tables 144–55
domestic tourism consumption, TSA
tables 130–33
Dominica, tourist eco-tax 207–8
Dominican Republic
room price determinants 275–87
tourism impact, World Bank project
239
tourism industry 269–75
Dommen, E. 34
Drake, L. 61
Driving Force–Pressure–State–Impact–
Response (DPSIR) model 112–13
Dutch disease 101
Easterly, W. 8
Easterly–Kraay (E–K) Small States
Dataset 9, 26
ecologically sustainable tourism,
accounting framework 104–24
economic impact of tourism 87–99,
204–5, 227–32
economic theory studies, climate
change and tourism 177–8
eco-taxes 5–6, 198–201, 205–8, 210–20
impact on tourist economy 199–201
visitor survey, Hvar 214–19
EGARCH model 44
employment
hotels 231
impact of tourist numbers 38
tourism industries, TSA tables 156–7
Engle, R.F. 31, 41
Englin, J. 177
environment challenges to tourism,
Dominican Republic 272–4
environmental accounts 113–17
environmental impact of tourism
69–79, 118–20, 201–5, 234
Dominican Republic 273
Hvar, Croatia 210
indicators, ESEPI framework
166–72
environmental quality
impact of eco-tax 199–200
and tourism demand 200–201
environmental sustainability, see
sustainable development;
sustainable tourism
environmental variables and room price 278
ESEPI (European System of Environmental Pressure Indices) 117–20, 166–72
Europe
climate impact on tourism 179–90
tourism climate index 177
European Strategy for Environmental Accounting 114
European System of Environmental Pressure Indices (ESEPI) 117–20, 166–72
Eurostat environmental projects 118
exponential generalized ARCH model (EGARCH) 44
external satellite accounts 106
externalities
and land allocation effect on tourism growth 77–8
and tourism expansion costs 66–9
Fiji
international tourist arrivals 39–41
tourism forecasting model 45–6, 49–52
fiscal policy, impact of tourist numbers 38
Fleischer, A. 61
Fondazione Eni Enrico Mattei 179
forecasting tourism demand 4, 30–32, 45–53
Freeman, M. 276
functional satellite accounts 106
Gallarza, M.G. 175
GARCH model 31–2, 43–4
GDP growth rates, SITEs 35–6
gender and tourism development 233–4
generalized ARCH model (GARCH) 31–2, 43–4
Global Environmental Facility (GEF) projects 241–4, 245–8, 249
global models, climate change and tourism 178–9
Glosten, L. 43
Gössling, S.M. 175
green golden rule level 70–72
growth, small tourism countries (STC) 8–23
comparative performance 10–13
determinants 13–17
heterogeneity 17–20
mechanisms 20–22
Hamburg Tourism Model 178
Hamilton, J.M. 178
Hart, S. 252
Hazari, B.R. 87
Heal, G. 70
health, impact of tourism development 237
hedonic price method, room price determinants 276
heterogeneity, STC growth 17–20
Hiemstra, S.J. 200
Honduras, World Bank projects 239, 246
hotels
return on investment 229
services, effect on room price 278
Hu, Y. 175
Hughes, G. 204
Huybers, T. 61
Hvar, Croatia, tourism 209–10
eco-tax 210–19
hybrid flow accounts 115–17
IBRD/IDA funding, impact on tourism 235–6
inbound tourism consumption, TSA tables 128–9
index approach, tourism and climate change 176–7
Indonesia, World Bank project 245
infrastructure, effect on room price 278–9
internal tourism consumption, TSA tables 136–7
international tourist arrivals, SITEs 39–52
island economies 34
Ismail, J.A. 200
Istat, environmental accounting project 118
Italy
climate 181–2
Index

tourism data 182–3
tourism impacts on environment 253–4
tourism management efficiency 260–65
TSA implementation 122–4
WISE case study 181–9

Jeantheau, T. 44
Johnson, R. 202

Kaim, E. 175
Kee, P. 111
Kraay, A. 8, 9
Krinisky, I. 298
Krupp, C. 176
Kuznets, S. 33

labour demand, effect of tourism boom 95
Lancaster, K.J. 174
land use
and tourism development 56–79
and tourism price 59–62
Lanza, A. 20, 57, 74
Laos, tourism 289–305
leakage, tourism investment 231–2
Lebanon, World Bank project 240
Liguria, efficiency of tourism management 260–63
Lim, C. 174
Lindbergh, K. 202
Ling, S. 43
Liou, F.M. 37
Lise, W. 178
location, effect on room price 278
Lohmann, M. 175, 176
Loomis, J.B. 177
López, R.A. 61
Luang Prabang, tourism development 288–305
Lucas, R. 20

Macedonia, World Bank project 239
Madagascar, World Bank project 240
manufactures, relative price of tourism 73–4
manufacturing sector, impact of tourism boom 87–100

marine environment indicators, ESEPI framework 168–9
Markowski, M. 177
Matzarakis, A. 176
McAleer, M. 43, 44
McBoyle, G. 176
McFadden, D. 295
Mendelsohn, R. 177
Mgahinga Gorilla National Park Conservation, Uganda 248
minimum efficient scale, small economies 33
models
climate change and tourism 178–9
international tourist arrivals 41–4
Moeltner, K. 177
Morey, R.C. 254
Morley, C.L. 174
multiplier effects of tourism 38

National Account Matrix (NAM) 115, 117
Neary, J.P. 101
Nelson, D.B. 43, 44
Netherlands, climate impact on tourism 190
Ng, A. 87
North America, impact of climate change on tourism 176–7
Nyman, J.A. 254

outbound tourism consumption, TSA tables 134–5
ozone layer depletion indicators, ESEPI framework 169

package tour choices, Luang Prabang 301–3
Palutikof, J.P. 177
Panagariya, A. 101
Partnership for National Ecosystem Management Project (PAGEN) 245–6
Peru, World Bank project 247
Pigliaru, F. 20, 57, 74
Pike, S. 175
pollution effects of congestion 202
effects of tourism 203
Pooled Travel Cost Model (PTCM) 177–8
population, SITEs 33
poverty
  impact of tourism 232–3
  SITEs 37
Poverty Reduction Strategies and
tourism 232–3
price of tourism
  effect of land allocation 59–62
  elasticity, impact of eco-tax 199–200
  relative to manufactures 73–4
production accounts, tourism
  industries, TSA tables 138–43
productive uses, land 57–9
PRSPs (Poverty Reduction Strategies)
  and tourism 232–3
Pruckner, G.J. 61
PTCM (Pooled Travel Cost Model) 177–8
Puerto Plata, tourism industry 274–87
Punta Cana, tourism industry 274–87
Ramawstwamy, R. 73
Read, R. 33, 34, 36
recreation activity, impact of climate
  change 177
relative prices
  effect of tourism boom 94
  tourism to manufactures 73–8
resident welfare, effect of tourism
  boom 96–9
resource depletion indicators, ESEPI
  framework 169–70
Richardson, R.B. 177
Ritchie, J.R.B. 175
Robb, A.L. 298
Robinson, E.A.G. 33
room price determinants, Dominican
  Republic 275–87
Rosen, S. 276
Rowthorn, R.E. 73
satellite accounts 106–11
Scott, D. 176
Sectoral Infrastructure Projects (SIPs) 118
Seddighi, H.R. 174
SEEA2003 (Integrated Environmental
  and Economic Accounts 2003) 105,
  113–14, 115–17
Shareef, R. 33, 35, 37
Shaw, R.N. 200
Shephard, N. 44
Shoemaker, S. 175
SIPs (Sectoral Infrastructure Projects) 118
Small Island Tourism Economics
  (SITEs) 30–53
  characteristics 32–5
  impact of tourism 35–9
  tourist arrivals 39–53
small tourism countries (STCs) 8–23
  comparative growth performance 10–13
  growth determinants 13–17
  growth heterogeneity 17–20
  growth mechanisms 20–22
Social Accounting Matrix 125
social impacts of tourism 232–4
  socially optimal tourism development
  65–6
sojourn fee, Hvar 212
South Africa, World Bank project 247
Spain, tourist eco-tax 205–7
Statistics Sweden, environmental
  accounting project 118
Steurer, A. 114
summer tourism, impact of
  temperature 183, 185
sustainable development and tourism
  226–34
  World Bank projects 234–50
sustainable tourism 197–8
  accounting framework 111–24
  symmetric GARCH model 43–4
temperature correlation with tourism
  176, 183, 185
Theoccharous, A.L. 174
Tisdell, C.A. 79
Tol, R.S.J. 177, 178
tourism
  and climate 175–6
  and climate change 173–4, 176–90
  congestion effects 201–3
  consumption, TSA tables 128–37,
  144–55, 162
  costs 87, 227
demand, see demand for tourism development planning, Laos 288–305
effect on economy 87–100
environmental impact, see environmental impact of tourism
establishments, TSA tables 164–5
firms, adaptive behaviour 191–2
gross fixed capital formation, TSA tables 158–61
index approach, climate change 176–7
management evaluation 252–67
price, see price of tourism
and SITEs 35–53
and small countries growth 8–23
and sustainable development 226–34
World Bank projects 234–50
Tourism Satellite Account (TSA) 107–11
Italy 122–4
Recommended Methodological Framework (TSARMF) 104, 107–11
tables 128–65
Tourist Areas Restoration Fund, Balearic Islands 206–7
tourist eco-taxes, see eco-taxes
tourists
adaptive behaviour 191
source countries, SITEs 39
see also visitors
toxics dispersion indicators, ESEPI framework 170
trade, SITEs 36–7
transport
and tourism development 236
tourist preferences, Laos 298
trekking route cost, Luang Prabang 300–301
TSA, see Tourism Satellite Account
TSARMF (Tourism Satellite Account – Recommended Methodological Framework) 104, 107–11
Tsur, Y. 61
Tunisia, World Bank project 240
Uganda, World Bank project 247–8
uncertainty in tourism arrivals, SITEs 35–8
urban environment problems
indicators, ESEPI framework 170–71
urbanization, impact on tourism, Dominican Republic 274
USA, impact of climate change on recreation activity 177
value added, environmental accounts 114
Van Wijnbergen, S. 101
Vanegas, M. 200, 220
village tour cost, Luang Prabang 301
Viner, D. 176, 177
visitors
numbers forecasting 4
satisfaction and tourism pricing 59–60
see also tourists
volatility, international tourist arrivals, SITEs 30–32, 39–53
vulnerability of SITEs 36
Wanhill, S. 202
waste
amount as indicator of environmental costs 258–9
generated by tourism 204
indicators, ESEPI framework 171
water pollution
impact of tourism 203
indicators, ESEPI framework 171–2
water treatment plants, effect on room price 279
water use, impact of tourism 203–4
Weather Impacts on National, Social and Economic Systems (WISE) project 179–90
weather variable in WISE project 180–81
welfare effects of tourism 3, 94, 96–9
willingness to pay (WTP)
congestion charges 201–2
eco-charge, Hvar 214–19
winter tourism, impact of temperature 176, 183, 185
WISE project (Weather Impacts on National, Social and Economic Systems) 179–90
Witt, C.A. 174
Index

Witt, S.F. 174
women, impact of tourism 233–4
World Bank

poverty reduction strategies and tourism 232–3
tourism and sustainable development projects 226–50