Index

Aboriginal and Torres Strait Islander  87
Aboriginal community  65–6, 87
sustainable livelihoods of  334
Aboriginal Social Impact Assessment (ASIA)  141, 145, 148
adaptive capacity  165, 323–5, 328–9, 331, 337–8
adivasis (original inhabitants)  120
adjustment lending  308–10, 312
Adjustment Lending Retrospective (2001)  310
affected community  4, 6–7, 14, 17, 23, 44, 46, 62, 79–80, 82, 86, 90, 142, 194, 239, 247, 292, 302–4
African Development Bank  309
agriculture and tree plantation industries, residential location of workers in 181
Aim for Human Rights, in the Netherlands  361–3
Alberta Oil Sands Developers Group, Canada  209
alternative dispute resolution (ADR)  276
Anglo Ferrous Brazil  245
apartheid  38, 39, 42, 55
Argyle Participation Agreement (Australia)  64–8, 74
artisanal and small-scale mining (ASM)  296
Ashoka Open Cast Project (OCP), India  124–5
Asociación de los Andes de Cajamarca  246
aspirations  10, 11, 14, 74, 120, 143, 237, 242, 263
Australia
Aboriginal community  65–6
Argyle Diamond Mine participation agreement  64–8, 74
Australian Bureau of Statistics (ABS)  328, 332, 336
Department of Families, Youth and Community Care  283
Emergency Management Australia (2001)  164
Indigenous Land Use Agreement  65
Native Title Act (2005)  65, 69
Oxfam Australia  64
Planning Institute of Australia (PIA)  96, 105
Regional Forest Agreement  324
Sustainable Resource Community policy (2008)  56
Western Cape Communities Co-Existence Agreement (WCCCA)  68–70, 74
autonomy  85, 139, 317
baseline analysis, concept of  174–9
Base Realignment and Closure Program (BRAC), USA  222
Basic Conditions of Employment Act (1997), South Africa  42
Benti village (India), case study  123–5
Berger, Thomas  84
BHP Billiton  142, 241, 243
Broad-Based Socio-Economic Empowerment Charter for the South African Mining Industry  64
business development and growth, programs for  245
business risk  27
business strategy, for implementation of SIA  25–6
New directions in social impact assessment

Canada 70–71, 74, 84, 133, 134, 139, 146–8, 197, 203, 209, 257, 277
capacity building 6, 14, 29, 64, 68, 105, 245, 246, 256, 260, 270, 320, 327
case study
Benti village (India) 123–5
oil companies operating in Yemen 293
Casino Control Act (1991), New Zealand 98
Central Coalfields Limited (CCL) 124
community development program 125
Centre for Research on the Epidemiology of Disasters (CRED) 154
Cernea, Michael 121, 187, 191–2
Cernea’s impoverishment risks and reconstruction model 191–2
Certified Environmental Practitioner Scheme 96
children’s education, gender impacts of 131
citizen-based monitoring system 53
Citizens’ Assembly, British Columbia 257
citizens’ jury 267
CivicEvolution 261
civil society
empowerment of 53
organizations 51, 355, 362
social impact on 52
climate change 161–2, 167, 289
application of community sensitivity to 334–6
vulnerability assessments 165–6
closure planning
Newmont Waihi Gold (NWG), New Zealand 227–30
and the practice of SIA 222–5
social impacts of mine closure 225–7
Coal India Limited (CIL)
Central Coalfields Limited (CCL) 124
monetary compensation 122, 126
‘Resettlement and Rehabilitation’ (R&R) Policy 121–2, 126
self-employment policy for affected people 122
code of ethics 97–8, 100
collaborative governance 253–4, 256, 264
Commerce and Production Chamber of Cajamarca 246
Committee on Economic, Social and Cultural Rights (CESCR) 359, 361, 363
community contracts 7
decision-making systems 81–2
development agreements 7
empowerment 50, 89, 256
engagement 17, 26, 63, 71, 73, 145–6, 230–31, 253–4, 266, 269, 301
enhancement program 338
grievance mechanism 301–3
liaison 294, 300–301
mobilization 23
community-based agreements 7
as an alternative to regulatory SIA 62–4
Argyle Diamond Mine participation agreement (Australia) 64–8
Diavik Diamond Mine participation agreement (Canada) 70–71
Murowa Resettlement agreement (Zimbabwe) 71–3
Western Cape Communities Co-Existence Agreement (WCCCCA) 68–70
approach for 59
limitations of regulatory SIA for 62
regulatory requirements for 60
social impacts on communities 63
community liaison officer (CLO) 301
community sensitivity
and adaptive capacity to change 329
application to climate change 334–6
forestry 336–7
definition and assessment of 323–4
elements of the five capital areas 330
indices for TRC towns 335
integrated framework for assessing 329
selecting indicators of 327–8
and social impact assessment 337–8
sustainable livelihoods approach as an integrated model of 324–7
Index

community sensitivity index (CSI) 324
    application of 338
    development of 329–30
        economic capital 331
        human capital 332
        important considerations in the
            selection of indicators 333–4
        natural capital 331
        physical capital 331
        social capital 332–3
        indicators used to assess key capital
            areas in 333
    community sustainability, theoretical
        approach to 325
    community vulnerability
        selecting indicators of 327–8
        sustainable livelihoods approach as an
            integrated model of 324–7
    community vulnerability indices 335
        for highly sensitive forestry-dependent
            communities in Victoria,
            Australia 337
    company–community
        agreements 71
        interactions 63, 74
    compensation xxxi, 70, 72, 73, 75, 120,
        121, 122, 126, 130, 194, 196
    comprehensive HuIA 348–9
    conflict
        causes of 288–90
        concept of 275
        costs to companies 292
        environmental see environmental conflicts
        research 274
        resolution and management 273
    conflict assessment
        intersections between impact
            assessment and 295–6
        role of 281–2
    conflict management, SIA as tool for
        279–81
    conflict mediation
        building trust 299–300
            and establishment of community
                liaison teams 300–301
            project impacts on the community
                298–9
            setting up of grievance mechanisms
                301–3
            socioeconomic and political context
                297–8
            working within the human rights
                framework 303–4
        consensus forum 268–9
        coordinated community engagement 213
    corporate community involvement (CCI)
        88–9
    corporate planning systems 81
    corporate social responsibility (CSR)
        xxvii, 8, 88
        obligations of companies 10
    ‘corrosive community’ reaction 224
    cost-benefit analyses 41, 238
    crime 43, 205
    cultural awareness training xviii
    cultural heritage protection 62, 69
    cultural impacts, of mining projects
        129–30
    cumulative effects assessment
        methods for assessment and
            management of 206–8
        pathways of 205
    conflict assessment and the revision
        of alternatives 210–11
    profiling and baseline studies 209
    reasons of 202
    and revision of alternatives 210–11
    scoping, forecasting and the
        formulation of alternatives for
            208–9
    steps for responding to 216–18
        systems perspective of 205–6
    cumulative impacts xxxii, 16, 22, 51,
        202–18

Dams
    Orme, Arizona 193
    Bayano, Panama 192
    Ita, Uruguay 197
    Kariba, USA 193
    Kinzua, USA 193
    Yacyretá, Argentina and Paraguay 193
New directions in social impact assessment

- dam-induced involuntary community resettlement 187
- death 118, 126, 154, 156–8, 162, 166, 188, 197, 289
- decentralization 315
- decision-making 21, 91
- and deliberative democracy 253–4
- for development project 193
- in environmental conflict situations 273
- expert-driven model of 266
- human impact assessment 352
- integration of SIA into 30–33
- societal planning and 273
- deliberative democracy 253–4
- global application of 257–8
- practical application of
  - for creating an integrated, power-sharing model of SIA 263–7
  - for improving typical SIA practice 258–63
- role of
  - deliberativeness 255–6
  - representativeness 255
- deliberative poll/survey 264
- Deming cycle 27
- democratization 38, 265, 269
- Department for International Development (DFID), UK 310, 326
- Department of Minerals, South Africa 55–6
- development policy lending 309
- development projects
  - assessment of social impact on 85, 87
  - and community resettlement issues 186
- involuntary community resettlement outcomes 194
- resettlement process, theoretical frameworks of 186–7
- strategies for improving resettlement outcomes
  - for improving living standards and livelihoods 196–7
  - participatory options assessment 197
- resettlers as project managers and owners 197–8
- Diavik Diamond Mine participation agreement (Canada) 70–71
- disasters
  - impact of 154–7
  - number of deaths worldwide by disaster type 156
  - post-disaster and social impact assessment 164–5
  - social impacts arising from
    - earthquakes and volcanic eruptions 162–3
    - fires 161–2
    - floods and tornadoes 158–9
    - hurricanes, typhoons and cyclones 159–61
  - worldwide cost by type of 155
  - diversity 38, 139, 266, 268, 332, 333
  - double decker economy 39, 48
  - earthquakes and volcanic eruptions, social impacts arising from 162–3
- economic
  - capital 331, 336
  - diversification 235, 241, 243
  - empowerment 64
- education sector reform, Mozambique 317
- El Salvador earthquake 162–3
- emergency management 154, 157, 159, 164, 166–7
- Emergency Management Australia (2001) 164
- employment 313
- empowerment 6, 7, 50, 53, 64, 89, 105, 256, 355, 361
- enhancement 10, 105, 217, 323, enterprises, creation of new 245
- environmental assessment practitioner (EAP), South Africa 45
- environmental conflicts
  - characteristics of 274–6
  - mediation 276–7
- environmental degradation 38, 120–21, 133, 275
- environmental dispute resolution 276
- environmental health impact assessment 343
environmental impact assessment (EIA)
current practices in  283–4
in India  120
public participation for  53, 283
Environmental Impact Assessment
Procedure Act, Finland  351
Environmental Management Act, South
Africa  45
environmental management systems  8, 26–7
environmental policy  4, 96, 273–4
Environmental Protection Act (1986),
India  120
Environmental Review Panel (ERP)
144, 148
environmental scarcity  275
Environment Court of New Zealand
109
Environment Institute of Australia and
New Zealand (EIANZ)  96, 105
equality impact assessment  361
Equator Principles 104
equity  6, 105, 253, 256, 264, 265, 319, 343, 347
ethical issues and dilemmas
code of ethics  97–8
ethical standards  110–12
implications associated with  106–7
overview of  97–8
in practice  107–10
social impact assessment (SIA)
applications of  99
and ethical codes  99–100
IAIA principles for  111
professional practice  98–9
training courses  96, 111
in social sciences  100–104
trends in related principles, guidelines
and ethical codes  104–6
exclusion  85, 87, 314
Extension of Security of Tenure Act
(1997), South Africa  42
ExxonMobil  238
family violence  129
farm workers, SIA experience  42
fear  23, 46, 89, 109, 130–131, 133, 227, 259, 263, 288, 301, 356–7
Federal Emergency Management
Authority, USA  164
female property rights  314
feminist perspectives, on social impacts
117–20
fieldwork  102
fires, social impacts arising from
161–2
floods and tornadoes, social impacts
arising from  158–9
fly-in, fly-out (FIFO)  226
food security  123–4, 133, 316
of affected households  127
decline of  127
forecasting  208–9
foreign direct investment  121
forestry, application of community
sensitivity analysis to  337–8
free market capitalism  39
‘free, prior and informed consent’ (FPIC)
xxxi, 6–7, 12, 13
fundamental human rights  355, 357–60
gair majurwa land  125
gated community economics  43–4, 46
gendered conflicts  130
gendered division of labour  123
gendered health effects  128–9
gender impacts
of displacement  122–3
ecofeminism-based analyses of  134
meanings of
changes to the way of life  132
children’s education  131
differential impacts on culture
129–30
differential mobility and fear  130–31
economic opportunities  131–2
food security  127
gendered conflicts  130
gendered health effects  128–9
gender relationships around
household finances  126–7
land loss and disenfranchisement
125–6
water scarcity  127–8
gender relationships, around household
finances  126–7
geopolitical scarcity  275
New directions in social impact assessment

German Development Agency (GTZ) 319
Gini coefficients 38
Global Leaders of Tomorrow Environment Taskforce 327
global network society, development of 63
Global Reporting Initiative (GRI) 215
Gold Discovery Centre project, New Zealand 230
Green triangle region 173, 178
grievance mechanism, community 301–3
grieving for a lost home syndrome 188–9
groundwater management 319
Guide to Human Rights Impact Assessment and Management 362
Guiding Principles on Business and Human Rights 9

health impact assessment (HIA) 341–2, 346, 364
Health 2015 Public Health Program 343, 347
Health Rights of Women Assessment Instrument (HeRWAI) 361
host communities 24, 70, 72, 74, 188, 189, 194, 195
hot-bedding 210
household assets 72, 73, 117, 121, 127, 129, 134, 314–5
housing 44, 140, 142, 143, 147–9, 160, 162–3, 171, 181, 188, 190, 203, 210, 227, 229, 230, 243, 314, 358
human capital 236, 325, 332, 336, 338
human impact assessment (HuIA) 283
comprehensive 348–9
convergence 344–5
development in Finland 347–8
importance of 342–4
of integrative culture 346–7
interrelations between SIA and HIA in 344
process of 341
rapid 349–52
related to decision-making process 352
human rights 120, 303–4
abuses, state duty to protect against 9
added value of framework of 366–7
fundamental 357–60
respect for 12
Human Rights Council of the United Nations 9
human rights impact assessment (HRIA) 9, 360–63
core values 356–7
seven general principles for 363–5
six steps for integrating human rights into 365–6
Human Rights Impact Resource Centre 361
hunger 127, 162
hurricanes, typhoons and cyclones, social impacts arising from 159–61
Hydro-Quebec’s Great Whale Project 193–4

immigration 39–40
immunization, of children 129
Impact Assessment and Project Appraisal 6
impact and benefit agreement (IBA) 4, 7, 12, 32, 59–75, 142, 144, 147
impact assessment (IA)
and conflict assessment 295–6
and conflict mediation 277–9
conflict sensitivity 292–4
building processes 294–6
building trust 299–300
and establishment of community liaison teams 300–301
project impacts on the community 298–9
setting up of grievance mechanisms 301–3
socioeconomic and political context 297–8
working within the human rights framework 303–4
integration of collaborative approach into 282–3
practice and outcomes 259
Index

public participation in  254–5
relation with conflict mediation/resolution  273
role in conflict situations  277
‘impacts of mining on women’ projects  119
impoveryishment  121, 123, 124, 129, 130, 187, 189, 191–7, 275
Indaba see Open Space Technology (OST)

India
environmental impact assessment (EIA)  120
Environmental Protection Act (1986)  120
human rights violation  121
Land Acquisition Act (1894)  120
National Rehabilitation and Resettlement Policy (2007)  122
National Rural Employment Guarantee Program  125
Piparwar and Ashoka coal-mining projects  124
resettlement policy  120
Sardar Sarovar project  197
social differentiation and inequality  121
social impacts of mining projects in  120–21
Indigenous communities’ rights  60, 74
Indigenous governance, processes and sovereignty  85
Indigenous Land Use Agreement, Australia  7, 65, 69
Indigenous-owned enterprises
development of  233
pre-qualifying  243
‘Indigenous ownership’ of SIA, concept of  144, 146
Indigenous peoples
issues for SIA practitioners  150–51
rights of  6
SIA processes  23–4, 139–41
focus, conduct and content of  144–7
utilization of findings  147–9
World bank’s policies for  306
inflation  72, 309, 310, 312, 313
informed consent, principle of  6
Innu and Inuit people  144, 148

Institute for Environmental Conflict Resolution, USA  282
institutional ethics  100, 106
integrated impact assessment (IIA)  294, 346
interest groups  109, 311, 327,
internal communication, for implementation of SIA  29
International Association for Impact Assessment (IAIA)  6, 9, 11, 24, 96, 98, 104, 105, 110–112, 307, 346
Code of Conduct  105
International Bill of Human Rights  358, 364
International Business Leaders Forum  362
International Covenant on Civil and Political Rights (ICCPR)  358–9
International Covenant on Economic, Social and Cultural Rights (ICESCR)  358–9
International Finance Corporation  100, 241, 362
Linkages Program  246
International Handbook of Social Impact Assessment, The  3
international human rights law  355, 357, 365
International Monetary Fund (IMF)  310
International Network on Displacement and Resettlement  186–7
International Organization for Standardization  8
International Principles for Social Impact Assessment  3–5, 8–9, 12, 48, 59, 89, 98, 263, 356
irrigation  319
ISO 14001 Environmental Management Systems  8
ISO 26000 Guidance on Social Responsibility  8–9
ISO 9001 Quality Assurance  8
Ivan, hurricane  159
James Bay Cree Nation  193
Jharkhand Department of Forest and Environment  124
joint ventures  194, 198, 235, 240, 291
Katrina, hurricane 159–60
Kennedy School of Government at Harvard University 289
key performance indicators (KPIs) 47, 236
Kimberley Land Council (KLC) 142
Kimberley Region, Western Australia
Draft Strategic Assessment report 146
Indigenous ownership of SIA 146
SIA and LNG development in 141–4
labour, gendered division of 123
Lake Macquarie fishery 223
Land Acquisition Act (1894), India 120
land loss and disenfranchisement, gendered impacts 125–6
Land Use and Building Act, Finland 347
land use change
concept of assessing against the baseline 174–9
tipping point 182–3
rural 171
social assessments for the impacts of 172
social change analysis for interactions of 183–4
spatial linkages 179–81
spatial analysis for social change 179–81
Larry, cyclone 160
lending
adjustment 308
developmental policy 309
policy-based 307, 308–10
structural adjustment 309
like-for-like land 72
liquefied natural gas (LNG) 139
projects in Kimberley Region, Western Australia 141–4
livestock management 190
local area forum 260
local economic development programs 55
local procurement
current trends in 234–6
impact variables 242–3
policies and standards 233
use of SIA to enhance opportunities for issues and opportunities 236–40
monitoring and adaptive management 245–7
selecting impact variables and measuring the baseline 240–41
selecting strategies 241–5
local supplier development programs 246
Mackenzie Valley Pipeline Inquiry 84
management systems, for implementation of SIA 26–7
management training 235, 245
marginalization 139, 140, 146, 191, 296
mental health 89, 159, 343
migration
in-migration 29, 124, 173, 176, 178, 215, 229, 235, 295–7, 300
out-migration 118, 123, 160–161, 167, 182, 222
mine closure
Newmont Waihi Gold (NWG), New Zealand 227–30
social impact of 225–7
Mineral and Petroleum Resources Development Act 2002 (MPRDA), South Africa 55–6, 64
Minera Yanacocha 246
minimum wage, concept of 42
mining-induced displacement 121, 128
Mining, Minerals and Sustainable Development initiative 226
mining projects in India
Benti village case study 123–5
economic impacts of 123
gender impacts of changes to the way of life 132
children’s education 131
differential impacts on culture 129–30
differential mobility and fear 130–31
displacement 122–3
economic opportunities 131–2
food security 127
gendered conflicts 130
gendered health effects 128–9
Index

gender relationships around household finances 126–7
land loss and disenfranchisement 125–6
water scarcity 127–8
Piparwar and Ashoka coal-mining projects 124
policy inadequacies 121–2
social impacts of 120–21, 123
mining trade unions 318
Mining Watch 64
‘mirror of impacts’ 345–6
Mitch, hurricane 162
Mozlink SME-level baseline indicators 244
multilateral development banks (MDBs) 308
Murowa Resettlement Agreement (Zimbabwe) 71–3
National Advisory Council for Youth Affairs 349
National Environmental Policy Act (1970), USA xxvii, 5, 60, 283
National Rehabilitation and Resettlement Policy (2007), India 122
National Research Centre for Resettlement at Hohai University, China 187
National Rural Employment Guarantee Program, India 125
National Statement on Ethical Conduct in Human Research (2007) 100
National Water Sector Strategic Investment Plan (NWSSIP), Yemen 319
Native Title Act (2005), Australia 65, 69
natural capital 331, 336
natural hazards
earthquakes and volcanic eruptions 162–3
fires 161–2
floods and tornadoes 158–9
hurricanes, typhoons and cyclones 159–61
social assessments in terms of climate change 165–6
natural resource management 222, 274, 333
Newmont Mining Company 246
Newmont Waihi Gold (NWG), social impacts of closure at 227–30
New Zealand
Association for Impact Assessment 105
Casino Control Act (1991) 98
Environment Court of New Zealand 109
Gold Discovery Centre project 230
Newmont Waihi Gold (NWG) 227–30
New Zealand Planning Institute (NZPI) 96
New Zealand Resource Management Act (1990) 96
NIMBY 281
non-government organization (NGO) 5, 21, 23, 47, 63, 64, 120, 157, 162, 242, 260, 261, 282, 291, 310, 361
North Karanpura Coalfields 124
Norwegian Agency for Development Cooperation (NORAD) 361
occupational health and safety 27
oil companies operating in Yemen, case study 293
open cut mining 127
Open Space Technology (OST) 261, 262–3
operational-level management 28
organic social systems 61
organizational issues, influencing implementation of SIA business strategy 25–6
internal communication 29
management systems 26–7
ownership 27
planning methodologies 26
skills and resources 28–9
structural arrangements 28
ownership issues, influence on implementation of SIA 27
Oxfam 310
Oxfam Australia 64
Oxfam Australia Mining Ombudsman 23

participation agreements 62, 64, 70
participatory rural appraisal (PRA) 349
partnering agreements 7
partnerships and multistakeholder working groups 213–14
Peruvian National Fund for Job Training and Employment Promotion (FONDOEMPLEO) 246
physical capital 331, 336
physical scarcity 275
Piparwar Open Cast Project (OCP), India 124–5
Plan–Do–Check–Act cycle 27
Planning Institute of Australia (PIA) 96, 105
plantation expansion 173–8, 182–4
policy-based lending 307–8
context of 308–10
policy proofing 346
policy reform, political economy of 317–20
population growth 175, 177, 182, 205
Porto Alegre, Brazil 257
post-traumatic stress disorder (PTSD) 159, 161
poverty 38
poverty and social impact analysis (PSIA) 306
in context of policy-based lending 308–10
emergence as a multidisciplinary approach 310–12
vs. social impact assessment (SIA) 307–8
World Bank’s work on 320
PricewaterhouseCoopers 72
privatization of services 314
professional community, values of 5–6
professional value system 105, 355
profiling 11, 28, 83, 209, 237, 238, 337
program financing 307
project-affected peoples 13, 15, 17, 21, 30–32, 34, 186, 193, 198
project development considerations for 63
cycle 23
and impacts on the community 298–9
planning and design for 52
process 52, 59
project’s supply chain, impacts of local community participation in 236–7
context analysis of 237
demand analysis of 238
industry analysis of 239
local SME profiling 238
stakeholder participation processes in scoping 240
property rights 275, 314
prosperity 41
‘Protect, Respect and Remedy’ Framework, principles of 9
public consultation 31, 99, 108
public good 86, 266, 319
public involvement 72, 107, 254
public participation 14, 50, 51, 53, 82, 254–5, 258, 280, 281, 283
public participation, in impact assessment 254–5
public sector investment 318
public sector marketing corporations 316
public sector organizations 8
qualitative methods 47, 100, 103, 104, 241, 345
quality assurance 26, 55
quality of life 14, 40, 80, 223, 224, 234, 314, 318, 355, 356
rapid HuIA 347, 349–52
rapid impact assessment 349–50
stages of 351
rapid rural appraisal (RRA) 349
real estate development, availability of land for 210
regulatory impact assessment (RIA) 361
<table>
<thead>
<tr>
<th>Index</th>
<th>379</th>
</tr>
</thead>
<tbody>
<tr>
<td>relocation 73, 122, 158, 160–161, 163, 166 (see also resettlement)</td>
<td></td>
</tr>
<tr>
<td>resettlement process strategies for improving living standards</td>
<td></td>
</tr>
<tr>
<td>and livelihoods 196–7</td>
<td></td>
</tr>
<tr>
<td>participatory options assessment 197</td>
<td></td>
</tr>
<tr>
<td>resettlers as project managers and owners 197–8</td>
<td></td>
</tr>
<tr>
<td>theoretical frameworks of 186–7</td>
<td></td>
</tr>
<tr>
<td>Cernea’s impoverishment risks and reconstruction model 191–2</td>
<td></td>
</tr>
<tr>
<td>combining and broadening the two analytical frameworks 192–4</td>
<td></td>
</tr>
<tr>
<td>four-stage framework 187–91</td>
<td></td>
</tr>
<tr>
<td>policy-relevant theoretical frameworks 187</td>
<td></td>
</tr>
<tr>
<td>resilience 16, 88, 141, 154, 165–7, 222, 224, 225, 231, 237, 323–34</td>
<td></td>
</tr>
<tr>
<td>resource companies 63, 142, 235–6, 240</td>
<td></td>
</tr>
<tr>
<td>resource conflict 275</td>
<td></td>
</tr>
<tr>
<td>resource dependent community 166, 223</td>
<td></td>
</tr>
<tr>
<td>resource scarcity, types of 275</td>
<td></td>
</tr>
<tr>
<td>respect for human rights, concept of 12</td>
<td></td>
</tr>
<tr>
<td>Rights &amp; Democracy 361–3</td>
<td></td>
</tr>
<tr>
<td>risk management 10, 27, 299, 311</td>
<td></td>
</tr>
<tr>
<td>risk mitigation strategy 63, 311</td>
<td></td>
</tr>
<tr>
<td>Rita, hurricane 159–60</td>
<td></td>
</tr>
<tr>
<td>royalties xxxii, 64</td>
<td></td>
</tr>
<tr>
<td>Ruggie, John 9, 291, 301, 303, 362</td>
<td></td>
</tr>
<tr>
<td>rural land use change 171</td>
<td></td>
</tr>
<tr>
<td>social impact assessment of 172–4</td>
<td></td>
</tr>
<tr>
<td>rural livelihoods analysis 328</td>
<td></td>
</tr>
<tr>
<td>rural water supply and sanitation 319</td>
<td></td>
</tr>
<tr>
<td>Sardar Sarovar project, India 197</td>
<td></td>
</tr>
<tr>
<td>scheduled caste (SC) 124</td>
<td></td>
</tr>
<tr>
<td>scheduled tribes (ST) 120, 124</td>
<td></td>
</tr>
<tr>
<td>shared responsibility agreements 7</td>
<td></td>
</tr>
<tr>
<td>Shell Nigeria 237</td>
<td></td>
</tr>
<tr>
<td>Shiva, Vandana 133</td>
<td></td>
</tr>
<tr>
<td>SIA consultants, role of 5</td>
<td></td>
</tr>
<tr>
<td>skills and resources, for implementation of SIA 28–9</td>
<td></td>
</tr>
<tr>
<td>small to medium enterprises (SMEs) 234, 236, 239–40</td>
<td></td>
</tr>
<tr>
<td>Social and Environmental Assessment and Management Systems 52</td>
<td></td>
</tr>
<tr>
<td>social and labour plan (SLP) 55–6</td>
<td></td>
</tr>
<tr>
<td>social capital 165, 222, 230, 243, 332–3, 336</td>
<td></td>
</tr>
<tr>
<td>concept of 224</td>
<td></td>
</tr>
<tr>
<td>Social Dimensions of Adjustment Project, World Bank 309</td>
<td></td>
</tr>
<tr>
<td>social impact assessment (SIA) 3–4, 38</td>
<td></td>
</tr>
<tr>
<td>business case for 10–11</td>
<td></td>
</tr>
<tr>
<td>community, place and difference 86–8</td>
<td></td>
</tr>
<tr>
<td>concept of 5</td>
<td></td>
</tr>
<tr>
<td>conceptual keywords in 82–4</td>
<td></td>
</tr>
<tr>
<td>conflict management 15</td>
<td></td>
</tr>
<tr>
<td>contribution to social sustainability 51</td>
<td></td>
</tr>
<tr>
<td>cumulative impacts 16</td>
<td></td>
</tr>
<tr>
<td>current good practice 11–12</td>
<td></td>
</tr>
<tr>
<td>current paradigm in 4–5</td>
<td></td>
</tr>
<tr>
<td>deficiencies in ability to influence decisions and policies 61</td>
<td></td>
</tr>
<tr>
<td>ethical practice 98–9</td>
<td></td>
</tr>
<tr>
<td>expert-driven model of 259</td>
<td></td>
</tr>
<tr>
<td>farm workers 42</td>
<td></td>
</tr>
<tr>
<td>integration into decision making and management practices 30–33</td>
<td></td>
</tr>
<tr>
<td>key points to consider in 12–17</td>
<td></td>
</tr>
<tr>
<td>legislative requirements for 22</td>
<td></td>
</tr>
<tr>
<td>new developments 6–10</td>
<td></td>
</tr>
<tr>
<td>participation and social responsibility 90</td>
<td></td>
</tr>
<tr>
<td>participatory models of 260</td>
<td></td>
</tr>
<tr>
<td>vs. poverty and social impact analysis (PSIA) 307–8</td>
<td></td>
</tr>
<tr>
<td>power and the state 84–6</td>
<td></td>
</tr>
<tr>
<td>power-sharing model of 263–7</td>
<td></td>
</tr>
<tr>
<td>professional association 5–6</td>
<td></td>
</tr>
<tr>
<td>relationships with public participation and mediation 280</td>
<td></td>
</tr>
<tr>
<td>relation with ‘free, prior and informed consent’ (FPIC) 7</td>
<td></td>
</tr>
<tr>
<td>road map to more sustainable 53–6</td>
<td></td>
</tr>
<tr>
<td>scope and function of 24</td>
<td></td>
</tr>
<tr>
<td>shared values and norms 6</td>
<td></td>
</tr>
<tr>
<td>technocratic model of 259–60</td>
<td></td>
</tr>
<tr>
<td>Terms of Reference for 109</td>
<td></td>
</tr>
<tr>
<td>as tool for conflict management 279–81</td>
<td></td>
</tr>
<tr>
<td>US Guidelines and Principles for 104</td>
<td></td>
</tr>
<tr>
<td>value of 17</td>
<td></td>
</tr>
</tbody>
</table>
social impact management plan (SIMP)  
5, 12, 33  
development of  16–17, 22  
social impacts  
challenges of assessing policy reforms  
316–17  
from different type of disasters  
earthquakes and volcanic eruptions  
162–3  
fires 161–2  
floods and tornados 158–9  
hurricanes, typhoons and cyclones  
159–61  
feminist perspectives on  
117–20  
of mining projects in India  
120–21  
social inclusion 87, 133, 165, 266, 357  
social learning 53, 254, 256  
social licence to operate  
xvii, 4, 6, 10,  
47, 50, 52, 63, 64, 233, 291  
social media  
260–61  
social monitoring 47, 54, 100  
social power 84–6  
social reporting 80, 88, 108  
social responsibility (SR)  
of an organization 8  
definition of 8  
development of standard for  
9 participation and  
90 principles of 8  
social return on investment 5  
social risk 27, 30, 295  
social safety nets 39  
social sciences, ethical standards in  
100–104  
social sustainability 14, 17, 38–57, 
342  
definition of 40–41  
SIA contribution to 51  
sociocultural stress 189  
socioeconomic disparities 38  
socio-economic indices for areas 
(SEIFA) 328  
socioeconomic scarcity 275  
sole sourcing strategy vs. competitive 
bidding 243–5  
South Africa  
Basic Conditions of Employment Act  
(1997) 42  
central vs. local power relations 39  
Department of Minerals 56  
EIA regulation 45  
Extension of Security of Tenure Act 
(1997) 42  
farm workers 42  
gated community economics 43–4  
home relocation 44  
Mineral and Petroleum Resources 
Development Act 2002  
(MPRDA) 55–6, 64  
power lines and mines 43  
quality of life 40  
SIA practitioners 39  
social and ideological divisions 39  
social upliftment 40  
sustainable development needs 40  
transformation 42–3  
South African identity 38  
spatial extent impacts 204  
spatial intensity impacts 204  
stakeholder analysis 11, 295, 311  
stakeholder participation processes, in 
scoping 240  
standard for social responsibility 8–9  
standard of living 303, 358  
state planning systems 80–81  
strategic environmental assessment 
(SEA) 316, 342  
strategic sustainability assessment 279  
structural adjustment lending 309  
Structural Adjustment Package 223  
supplier development programs 241, 
245–7  
supplier development project (PDP 
Cajamarca) 246  
sustainable development 88, 343  
concept of 38, 48  
terms required for moving 
towards 49  
social aspects of 40  
sustainable livelihoods approach (SLA)  
323  
as an integrated model of community 
sensitivity and vulnerability 324–7  
sustainable livelihoods framework  
326  
sustainable partnerships, between civil 
society and developers 52  
Sustainable Resource Community policy 
(2008), Australia 56
Swaziland Environmental Authority 46
Swisscontact-Recurcos SAC 246
taxes 314–15
terms of reference (ToR) 31, 84, 109, 144, 217, 228
tipping point, concept of 182–3
tourism 89, 142, 145, 195, 227, 230, 243
town resource cluster analysis (TRC-analysis) 180, 334
Traditional Owner Negotiating Committee 146
Traditional Owners 64–9, 142, 144–8
transmission channel 312–13
‘trickle-down’ theory 312
triple bottom line xvii, 88
Tuscany Law on Participation (Law No. 69), Italy 257
UNICEF 364
United Kingdom
  Department for International Development (DFID) 310, 326
United Nations 9
  Committee on Economic, Social and Cultural Rights 359, 361, 363
  Committee on the Rights of the Child 359, 361, 364
  Conference on Environment and Development (Earth Summit) 38
  Declaration on the Rights of Indigenous Peoples (2007) 6, 13, 60
  Development Programme 309
  General Assembly 60, 357, 358
  Global Compact 362
United States of America
  Base Realignment and Closure Program (BRAC) 222
  Federal Emergency Management Authority 164
  Institute for Environmental Conflict Resolution 282
  National Environmental Policy Act (1970) 60, 283
  Universal Declaration of Human Rights (UDHR) 193, 357, 358
unprofitable businesses, programs for improvements to 245
upliftment of disadvantaged communities 39
urban planning 274, 284
urban transport systems 84
urban water supply 319
violence 160, 288, 289, 293, 299, 300 (see also conflict)
visioning 7, 260,
Vision Waihi Trust 228
Voisey’s Bay nickel mine projects, land claim negotiations 144, 148
Waihi Community Consultative Committee (WCCC) 228
Waihi Community Vision (WCV) 228–9
water pollution 127
water poverty index (WPI) 328
water scarcity 127–8, 319
Western Cape Communities Co-Existence Agreement (WCCCA), Australia 68–70, 74
‘women, environment and development’ (WED), concept of 133
World Bank
  Adjustment Lending Retrospective (2001) 310
  ‘Bankwide review’ 194
development policy lending 309
  policy-based lending 308–10
  policy on project appraisal 306
  safeguard policies 306
  Social Development Department 310
  Social Dimensions of Adjustment Project 309
  work on PSIA 320
world café 262
World Commission on Dams (WCD) 186, 193, 197
World Commission on Environment and Development 40
World Development Report 2000/2001 312
World Health Organization  343, 346, 364
World Social Forum  310
World Summit on Sustainable Development (Earth Summit +10)  38
Yavapai Nation  193
Yemen
National Water Sector Strategic Investment Plan (NWSSIP)  319