aesthetics, 150-52
Agenda 21, 62-3, 76-7, 104
aggregated material intensity, 280
Agroecological University of Cochabamba, 93
agroecology, 93-7
AGRUCO, see Agroecological University of Cochabamba
alienation, 182-4
Amazon problem
  biospheric space, 406-7
  biodiversity, 406
  fresh water resources, 407
  cattle ranching, 412
  conjunctural reality, 412-14, 415-16
  deforestation, 413
  drug trafficking, 413
  extractive reserves, 413
  gold, 405
historical reality, 407
  caboclo population, 409
  Indian cultures, 408
  stagnation, 409-10
  weak colonialism, 408
logging, 413-14
military dictatorship, 410-12
social actors, 404-5
rubber tapping, 409
see also tropical forests
America, see United States of America
American Environmental Sociology
  cautious constructionism, 31-2
  empirical orientation, 29-30
  insular and atheoretical, 32-3
American rural life, 89
American Sociological Society, 21, 23, 24, 28
anti-development movement, see Japan
anti-pollution movement, see Japan
anti-nuclear movement, 329
appropriate technology, 102-3
ASA, see American Sociological Association
Aztecs, 125-6
biodiversity, 234
biological determinism, 61
Biology First model, 59
Bovine Spongiform Encephalopathy, 221-4
Brazil, 498, 409, 410-12, 413
environmental change, 407
Brundtland Commission, 56, 74-5, 86
BSE, see Bovine Spongiform Encephalopathy
campaign groups, see environmentalism
capitalism, 65, 88, 183-4, 190-91, 197, 304
c see central and eastern Europe
central and eastern Europe, 349-50
see also Eastern Europe
chemical industry, 142-6
Chile, 394, 395, 396, 398-9
China, environmental policy of, 108-10
Chipko movement, 198
CJD, see Creutzfeldt-Jakob Disease
CLADES, see Latin American Consortium on
  Agroecology and Development
Clean Air Act (1970), 294
Club of Rome, 90-91
Cobbett W, 58
eo-evolution, 94-7
eo-evolutionary environmental sociology, 158
  advantages of, 166
  policy implications of, 166-7
neo-evolutionary paradigm, 163
Collard A, 200
consumerism, 153
Commission on Sustainable Development, 62
  Fifth Programme, 383-7
  six targets, 384-7
consumption, 57-9
cost shifting, 282-3
countryside, differentiated, 468-71, 473-5
  clientelistic, 470-71, 476
  contested, 469, 474
  paternalistic, 469-70
  preserved, 469, 471, 473, 474
Creutzfeldt-Jakob Disease, 221
cultural diversity, 96
Darwin C, 160-61
DAWN, see Development Alternatives with
  Women for a New Era
de Beauvoir S, 195
deforestation, see Amazon problem
defindustrialisation, 138
dematerialization, 48
dependency, theory of, 103
development, 73–4, 97, 161
        autocentric, 103
        theory of, 101–8; new approaches, 112–14
        see also, sustainable development
Development Alternatives with Women for a
        New Era, 197
Diani M, 325–6
diversity, 167, 302, 469, 470
dominant social paradigm, 50–51
        DSP, see dominant social paradigm
dualism, 61–2, 176, 189, 198–9, 395
        Durkheim E, 159
Earth Summit, see United Nations Conference
        on Environment and Development
Eastern Europe
        environmental actors, 370
        cooperation, 372–3
        firms, 372
        governments, 371
        international community, 371–2
        NGOs, 370–71
        environmental awareness: influence of firms, 364–5
        in environmental reconstruction, 366–7
        in policy making, 365–6
        environmental movements
        social and political opportunities, 358–9
        western theory influence, 360
        see also Green Parties
        environmental policy, 351
        firms, 352–3
        influence of domestic politics, 352
        international institutions, 352
        social movements, 352
        environmental regulation, 367
        market instruments, 367–8
        neocorporist approaches, 368–70
        voluntary agreements, 368
        environmentalism: east-west relations
        determinant, 360–61
        environmental aid, 362–3
        social constraints, 362
        western influence, 363–4
        sustainable development, 350, 351, 353–4
        policy measures, 354
        policy theory, 354
        social science, 355
        transition, 350
        external factors, 357–8
        macroeconomic situation, 356
        privatization, 355–6
        unemployment, 357–8
        ecodevelopment, 102–3, 106–8
        ecofarming, 106–7
        ecofeminism, 195–6, 198, 199–201
        ecological
        correctness: and social habits, 207
        and lifestyles, 209–11
        lifestyles, 204, 211
        modernisation, 64–6, 153–4, 191, 297, 475–6
        and economic development, 141
        and state, 141–2
        origins of, 138–9
        theory of social change, 139–42
        problems: institutionalization of, 204
        societal contexts, 208–9, 213
        ecologism, see environmentalism
        ecologism/nationalism
        cohesive features, 302
        confluence between movements, 302–304
        definition and comparison, 301
        ideologies of movements, 303
        state, influence of, 303
        ecologizing economy, 140–41
        ecology, 300, 391–2
        see also ecologism/nationalism
        eco-nationalism, 308–14
        characterisation of, 309
        discursive competition and alliances, 310
        ideologies within, 309
        globalist ecologism, 312
        hegemonic nationalism, 312
        old nationalism renewed, 311
        old peripheral nationalism, 311–12
        origins of (1960s), 313
        redefined (1990s), 313
        symbiosis, 308
        economic growth, 277–8
        environmental relevance, 282–4
        ecosystems, 392
        dependence on, 23, 390
        environmental impact on, 392
        human influence on, 396
        and livelihoods, 392
        EIA, see environmental impact assessments
        energetics, 123
        energy, 67, 164–7, 261–2, 270–71
        cultural services, 269–70
        future demand, 266
        modelling, see models
        energy conservation, 262–3
        energy consumption
        building awareness, 264, 270
        and environmental change, 261–2
        definitions of: transparency, 264–6
        invisibility, 267–8
        and globalization, 268–9
sociological considerations, 266–8
energy efficiency, 263–4
ENGOs, see environmental non-governmental organizations
environment, 43, 59, 60–61, 170, 180, 195
and society, 161–4, 162
Environmental Action Programme for Central and Eastern Europe, 295
environmental impact assessments, 294
Environmental Protection Act (1990), 293, 294
Environmental Protection Agency, 229–31, 294, 464
environmental non-government organizations, 290
Environmental Sociology
decline of, 24–5
emergence of, 22–3
institutional aspects of, 40–44
revitalization of, 26
environmental
actors, see Eastern Europe
activists, 321, 328
awareness, see Eastern Europe, Japan, Latin America
behaviour, 206–8, 210
change, 41–4
biophysical variables, 42
global climate, 42
North American Sociology, influence of, 43
social facts, 41
unit of analysis, 42
consciousness, 204, 205–8, 212, 213, 320–24, 342–3
cross-national variation, 322–3
crisis: social context, 218–19
see also Latin America
damage: impact of agriculture, 105
industrialization, 105
urbanization, 106
degradation, 43, 179, 190–91
materialist explanations of, 44
social models of, Dunlap and Catton, 44–5, Schnaiberg, 45–6
determinism, 159–60
justice, 29, 30, 288
knowledge, 206–8, 218, 321–2
science centred, 220–23, 225
management, 64
see also Latin America
mentalities, 210–11
movements, 319–26
definition, 324–6
institutionalization of, 327
see also Eastern Europe, Latin America
policy, 110–12
and the courts, 230
see also Eastern Europe
problems, 169
racism, 29, 30
regulation, see Eastern Europe
utilisation space, 276
environmentalism, 49–52, 138, 142, 153–6, 195, 198, 205, 208, 231–3, 235
cosmetic, 297
and environmental groups, 290
and global politics, 296
and local politics, 293
and national politics, 294–5
political response to, 292–3
radical, 287–8
reformist, 288
and regional politics, 295–6
salience of, 290
and symbolic politics, 287–8
see also Eastern Europe; ecologism/nationalism; environment; Green Parties; Japan
Environmentally Sensitive Areas, 293
epistemology, 154–5, 226
ESA, see Environmentally Sensitive Areas
European Parliament, 331
EU, 295–6
Euskadi, 305–307
evolution, 160–61, 183
evolutionary theory, see Science
exemptionism, 21–2
Eyerman R and Jamison A, 323–6
farming systems research, 91–2
feminism, 185
fragile lands, 390
Friends of the Earth, 231, 235, 326, 327, 328
FSR, see farming systems research
Gaza, see Middle East
GEC, see global environmental change
gender, 196–7, 200, 208
Germany
environmental mentalities, 210–11
Gibbs L, 196
global
climate, 43
consumption, 57
economies, 65
environmental change, 27
modernization, 96–7
problems, 403, 407, 447–8
see also globalization
sinks, 69
warming, 42–3, 233, 322

see also global problems

gold national product, 43–4

gouldson a, 64–5

green belt, 472, 473

green parties, 326–35

Belgium, 329–30, 332

Britain, 327, 334

Denmark, 331

Eastern European, 335–42

Hungary, 340–41

Poland, 339–40

Russia, 337–9

France, 330, 333

Germany, 327, 330, 332

Italy, 332

Netherlands, 331

and political competition, 331–4

Sweden, 330, 333

Switzerland, 331

green

architecture, 152

consumerism, 290, 450

politics, 153

revolution, 91, 198

see also environmentalism

Greenpeace, 231–2, 326, 327, 328

gross national product, 80

growth machine, 46–7

HEP, see human exemptionalism paradigm

human exemptionalism paradigm, 34

humanity/nature, 181, 182–4, 189

hydrocarbon society, 67–8, 164–5, 167, 392

iceberg phenomena, 174–5

IDE, see institutional development in environment

IER, see international environmental regimes

IM, see industrial metabolism

India

agricultural problems, 438–9

canal irrigation, 434

civil engineering, 434, 436

class problems, 434, 439–40

displacement, 439–40

ecological problems, 438

green revolution, 436–7

hydraulic property rights, 434, 439

hydroelectricity, 435

irrigation: British influence, 433–4

historical, 432

in Independence, 436–40

state support, 433, 437

large dams, 435, 436, 437–8, 439–40

water supply, 439

waterlogging, 434

industrial

development, 67–8

ecology, 48

metabolism, 48, 68, 131, 274–5, 283–4

accelerated delinking, 281–4

delinkage, 277–81

economic activity, 276–7

environmental considerations, 278, 274–7

linkage, 275

relinking hypothesis, 279

technical innovations, 278

transformations, 142–7

institutional development in environment, 111–12

integration, 252–3

international environmental regimes, 296

International Union for the Conservation of Nature and Natural Resources, 72, 73

irrigation, 432–40

Israel, 421, 426, 429–30

see also Middle East

IUCN, see International Union for the Conservation of Nature and Natural Resources

Japan

anti-development groups, 446–7

anti-pollution movement, 444–5

Bubble economy, 447–8

economic depression, 448

economic rehabilitation, 443

environmental awareness, 445–6

environmental destruction, 443, 445

environmental groups, 448, 449, 450

environmental policies, 444–5, 446

environmentalism, 448–50, 442–3

consolidation, 445–7

ecological movement, 447–8

evolution of, 443–4

future of, 450–51

global issues, 447–8

rapid growth of, 444–5

green consumerism, 450

industry/environmental conflicts, 443–5, 446–7

Minamata disease, 443, 445

modernization, 450–51

Oil Crisis, 445, 446

pollution, 443–5

victims' movement, 443

Jordan River, 418–21

see also Middle East
Index

King Y, 200
Kuznets’ curves, 48–9, 279–80

labour
- processes, 183–4
landscapes, 175–6
large dams, 435–40
latency, 174–6
Latin America
- capitalization of the land, 396–7
- economy, 396
- environment and society, relationship between, 390, 395
- environmental awareness, 393–4
- environmental crisis, 391
- environmental management, 395
- environmental movements, 398–9
- extraction of raw materials, 393
- social disruption, 391
Latin American Consortium on Agroecology and Development, 93
lifestyles, 209–11, 213
limits to growth, 48–9, 127–8, 244–5
Love Canal, 196

MAFF, see Ministry of Agriculture, Fisheries and Food

Marx K, 160–61
- see also Marxism
Marxism, 179–80
Maslow A, 108
materialism, 181–2, 184
metabolism
- in biology and ecology, 120–23
- in cultural and ecological anthropology, 124–6
- in social geography and geology, 126–8
- in social sciences, 122–4
- see also industrial metabolism; socioeco-
nomic metabolism

Mexico, development of, 97

Middle East
- territorial conflicts: energy resources, 427–8
- environmental services, 428, 430
- water problems: data availability, 226
- political significance, 426–7
- quality, 425
- quantity, 425
- resource inequality, 429
- strategic significance, 429–30
- supply, 425
- water resources, 421–2
- Israel, 422–3
- Jordan, 425
- Occupied Territories, 423–4

Middle England
- sustainability discourses, 471–5

Ministry of Agriculture, Fisheries and Food, 222
- models, 237–42
- chemistry, 241–2
- climate, 240–41
- computer, 237–8
- energy, 248
- global, 251
- macro-, 249–50
- mediatary role of, 253–5
- policy influence of, 240–42, 247–50, 253
- stability of, 246–8
- world, 245
- modernization, 67, 147, 164–7, 202, 225
- see also modernity
- modernity, crisis of, 85, 94–7, 191
- Mother Earth, 185

National Environmental Protection Act (1970), 294

National Rivers Authority, 294
nationalism, 300
- see also ecologism/nationalism
natural capital, 56
- nature, 166, 169–71, 180–81, 184, 185, 195
- needs, 56, 57, 58–9, 74–5, 107–8
NEF, see New Economics Foundation
NEP, see new ecological paradigm
new ecological paradigm, 45
- moderate interpretation, 35
- strong interpretation, 34
- weak interpretation, 34
New Economics Foundation, 62, 63
new social movements, 50
Newton, world view of science, see Science
NGOs, 111

Northern Ghana
- agricultural conflicts: small holders versus
mechanized farming, 454, 455–6, 457–8, 459–60, 462, 465
- agricultural development/production strate-
gies: capitalism, influence of, 457
- colonial government, influence of, 453–4
- environmentally friendly farming, 462–3
government control, 456–60
- post colonial development, 454–60
- agricultural policy development, 454–61
cocoa, 454, 455
development, 463
Economic Recovery Programme, 460–61, 462
environmental degradation, 456, 458
Structural Adjustment Programme (SAP), 460–61, 462
sustainable management, 455
North-south conflict, 103–5
NSM, see new social movements
nuclear radiation, 174–5

OECD, see Organisation for Economic Coopera-
tion and Development
Organisation for Economic Cooperation and
Development, 63

Palestinians, 421, 426, 429–30
see also Middle East
Phare Environment for Europe process, 362–3
postmodernism, 150
preservationism, 469
production, 67–8
product orientation, 170
property, 181, 183
see also India
realist, 62
realism, 181, 186
relativist, 62
reversibility, 174
rhythms: cosmic,cultural and natural, 170–72
risk analysis, 208–9
Risk Society Theory, 140, 145, 220
Royal Society for the Protection of Birds, 232,
235
RSPB, see Royal Society for the Protection of
Birds
RSS, see Rural Sociological Society
Rural Sociological Society, 21
rural development
Marxist perspectives on, 91
origins of, 88–9, 88–90
rural sustainability, 467–8, 469, 475–6
and local planning, 471, 475
sustainable management, 475–6
see also rural development; rural typology
rural typology, 468–70

science, 227–9
and credibility, 230–31
Newtonian world view of, 162–3
Schnaiberg A, 45–7
SD, see system dynamics
selection, 163–4
Shiva V, 197, 198
simulation, 288
Sites of Special Scientific Interest, 232
social
action, 95–6
constructionism, 59, 60
commitments, 68, 57
deconstructionism, 60

metabolism, see metabolism
systems, 161–4
social Darwinism, 160–61
Society for the Study of Social Problems, 21
Society of Scientific Knowledge, 222–4
20, 222–4
socio-cultural mileux, 211
socioeconomic metabolism, 132
sociology, origins of, 159–60
soft chemistry, 146–7
species-being, 181, 185
speed, 172–3
Spencer H, 159–60
SSK, see Society of Scientific Knowledge
SSSI, see Sites of Special Scientific Interest
SSSP, see Society for the Study of Social
Problems
Stockholm Conference, see United Nations
Conference on the Human Environment
Structural Adjustment Programme, see Northern
Ghana
structural change, 278
Sumner W G, 161
sustainability
indicators, 57, 62–4
sustainable development, 49, 56–7, 61, 64, 204,
214, 288
astronaut’s perspective, 77–8
contest perspective, 75–7
EU involvement: action programmes, 383
limitations, 387–8
novel terminology, 382–3
policy imperatives, 383
rationale, 381–2
reliance on, 386
home perspective, 78–80
implementation of policies, 380–81
liaison between growth and conservation, 72–
3
liaison between poverty alleviation and
environmentalism, 73–4
origins of, 71–2, 87
see also Commission on Sustainable Develop-
ment; Eastern Europe; rural sustainability
Swallow E, 196
system dynamics, 243–4, 247
systems ecology, 246
temporality, 170–71
throughput, 274–5, 276
time
clock, 171–2
commodified, 172
industrial, 171–4
Index

laboratory, 173
out-of-sync, 173
timeframes, 176
transmaterialization, 279
treadmill of production, theory of, 46-7
tropical forests, 403-4, 406-7

UNCED, see United Nations Conference on
Environment and Development
UNDP, see United Nations Development
Program
UNEP, see United Nations Environment
Programme
United Nations Conference on Environment and
Development, 26, 62, 73, 104
United Nations Conference on the Human
Environment I (Stockholm, 1972), 90, 103
United Nations Conference on the Human
Environment II (Narobi, 1982), 103
United Nations Development Program, 353
United Nations Environment Programme, 72,
90, 103, 106
United States of America
environmentalism, characteristics of, 442, 448

victims’ movement, see Japan

water
pollution, 105
resources, 418, 419, 432
see also Amazon; India; Middle East
WED, see Women in Development
West Bank, see Middle East
western dominance, 101-3
Western dualism, see dualism
WID, see Women, Environment and Develop-
ment
wildlife trusts, 229
Women, Environment and Development, 197
Women in Development, 197
woman’s
identification with nature, 196, 199–201
social position, 198, 201
subsistence production, 197
work, 199, 201
World Commission on Environment and
Development, 86, 104
World Conservation Strategy, see International
Union for the Conservation of Nature and
Natural Resources
World Resources Institute, 234
Worldwide Fund for Nature, 72, 235
WRI, see World Resources Institute
WWF, see Worldwide Fund for Nature