Index

academic sector see research
accountability
decentralisation and, China 423–5
accounting
General Office (GAO) (USA) 349
acronyms
Chile 395–6
Germany 221–2
Italy 555–7
Russia 301–2
Acton, Jan Paul 345
administration see management
Africa
East, biodiversity in Rift Valley Lakes,
Project for the Conservation and
Sustainable Use of 130
Economic Commission for 123
New Partnership for Development
(NEPAD) 120
see also Ethiopia; Ghana
African Union 123
agencies
California Resources (CRA) (USA) 332
Countryside (UK) 590, 591, 615
National Meteorological Services
(NMSA) (Ethiopia) 128
regional (Ethiopia) 122, 123, 127
see also environment, Agencies;
environmental organisations;
institutions; protection agencies
Agenda 21
Brazilian 49, 66, 71
Chile and 372, 373
Comissão de Políticas de
Desenvolvimento Sustentável
(CPDS) (Brazil) and 50
contractual undertakings and 622
Germany and 186
policymaking integration with other
policy sectors and 630–31
see also Local Agenda 21; UNCED
Agenda 2000 (EU) 157, 192
Agrawal, Arun 397
agreements
Australia 33, 34
China 429
cO-management, indigenous people
and 630
public service (PSA), for DEFRA
588–90
see also contracts; international
agreements; legislation; PSA;
voluntary agreements
agriculture
Bureaux (Ethiopia) 132, 133
Canada 78
China 419–20
Common Policy (EU) 143, 157, 541
Crop Conservation Associations
(CCAs) (Ethiopia) 130
Denmark 437–8, 446
Forestry and, Ministry of (MPAF)
(Italy) 524, 529, 546
France 463
Germany 196
India 229
pollution control see pollution
control; soil pollution
Research Council (India) 238
Research Organisation, Ethiopian
124
Resource Management and, Council
of Australia and New Zealand
(ARMCANZ) 41
UK 587–8
see also soil pollution
Agriculture Ministry
Brazil 51
Chile 378
China 419
Ethiopia 132, 133
France 463, 468
India 238
Agriculture, Fisheries and Food Ministry (MAFF) (UK) 586, 587, 613
Agriculture, Nature Management and Fisheries Ministry (LNV) (Netherlands) 560, 565, 566, 567, 570, 571
Ahumada, Jaime 360
air pollution
Australia 26, 43–4
Canada 90–91
Chile 374
EU 152–3
Germany 199, 207, 208–12, 442
Ghana 508–9
Index (API) (China) 398
India 225, 227–8, 229, 249–51
Russia 266, 290
UK 439
USA 338–41
see also Clean Air Act (USA); pollution control
Allegretti, Mary Helena 50, 70
Allegro, Roberto 540
Almeida, Fernando 67, 68
alternative dispute resolution
Germany 195
USA 326
see also courts; litigation
Amadei, Paola 547
Amponsah, Nicholas 503
Andersen, Mikael Skou 10, 148, 197, 446, 450, 451
Anderson, Mary 599
Andrews, Richard N.L. 314
Anselmo, Iolanda 536
Antunes, Paulo de Bessa 64, 69, 72
Antweiler, Werner 96
Arcari, Silvia 540
Arts, Bas 558
Asante, Felix Ankomah 11, 497–8
Ascani, P. 545
Asfaw, Gedion 6, 117
Ashby, Eric 599
Assembly
First Nations (Canada) 83
see also District Assemblies
assessment see audit and scrutiny; environmental impact assessment; evaluation; strategic environmental assessment
assignment
Australia 18–26
Brazil 53–5, 57–60
China 408–14
Denmark 439–40, 447
France 466
India 7–8, 223, 258–9
centralisation and decentralisation
229–31
forests 231–7
judicial intervention 254–8
pollution-regulating laws, implementation 251–2
regulation 225–8
standards 252–4
system 224–5
water 238–47
water pollution 248
Italy 522, 528–37
questions about 2–3
research goal and 4
associations see groups
atmospheric pollution see air pollution
attorney
public, role of, Brazil 69
Attorney General, Ministry of (Ontario, Canada) 97
audit and scrutiny
Eco-Management and, European Scheme (EMAS) 160–61, 202, 544–5, 564
institutions, policymaking in UK and 593–5, 604–5, 613
National Office (NAO) (UK) 594, 604
see also enforcement; evaluation; standards
Auditor General, Office of (Canada) 81, 91
Australia
conservation, water resource management and see conservation, Australia
management by indigenous people and local communities 630
modernisation and market-based instruments and 619
protection agency diffusion 625
Australian Whale Sanctuary 34
Ayee, Joseph R.A. 495, 498, 502, 503, 505

Backes, C.W. 564, 565
banks
Asian Development 414, 418
conservation banking (USA) 335
National, for Economic and Social Development (BNDES) (Brazil) 67
see also World Bank

Barcellos, Frederico Cavadas 58, 60
Bardhan, Pranab 237
Barrow, Michael 611
Bauer, Carl J. 375
Beetham, David 143
Begossi, Alpina 70
Benidickson, Jamie 86
Benneh, George 517
Berman, Paul 441
Billings, Leon G. 324
biodiversity
Conservation, Institute of (IBC) (Ethiopia) 129, 130
Convention 50, 120, 157, 373
East African Rift Valley Lakes, in, Project for the Conservation and Sustainable Use of 130 erosion of, Ethiopia 119 policy, Australia 29–36 preservation see conservation Protection and Conservation Support Project (Ethiopia) 131

Bitrán, Gabriel 377
Bjornlund, Henning 375
Blanchetti, Emilia 528
Blanco, Hernán 384
Bobbio, Luigi 529
Bocchetto, M. 386
Bomberg, Elizabeth 148
Bonnemain, Philippe 478
Boon, Emmanuel K. 509
Borregaard, Nicola 379, 380, 383
Börzel, Tanja 163
Bower, Blair T. 453
Boy, Daniel 478
Boyd, David 84
Boyd, James 333, 336
Brandon, Carter 249
Brazil
protection, economic growth and see protection, Brazil
protection agency diffusion 625 see also Latin America
Breton, Albert 10, 223
Brewer, Jeffrey D. 247
Britain see UK
Brundtland Commission 117, 119
bureaucracy
China 404–5
Denmark 442, 452–3
India 234, 240 see also central government; local government
Burns, Charlotte 148
Buttermann, Hans G. 213
Caballero, Kathryn 333, 336
Cadrobbi, Paola 529
Camargo, Aspásia 49, 51, 66, 67, 72
Camera, Roberta 547
Canada
Council of Chief Executives 84
Council of Ministers of the Environment (CCME) 80, 82–3, 86, 90, 91, 96
Free Trade Agreement with Chile 387–8 judicial role 628 management by indigenous people and local communities 630 modernisation and market-based instruments and 619 policymaking see policymaking, Canada protection agency diffusion 625 voluntary agreements 620, 621 capacity constraints in Danish local government 449–52 on Ghanaian local government see local government, Ghana
Capobianco, João Paulo 49, 51, 66, 67, 72
Capozza, Ivana 11, 541 carbon tax see Directives
Carroll, R. 348
Carruthers, David 372
Carvalho, Paulo Gonzaga M. de 58, 60
Cavalcanti, Clóvis 5, 49, 50, 70
Albert Breton, Giorgio Brosio, Silvana Dalmazzone and Giovanna Garrone - 9781847209917
Downloaded from Elgar Online at 05/13/2019 07:13:05PM via free access
central government
Canada 79–80
China 406–15, 424–5
Council of Australian Governments (COAG)
conservation and 20, 23, 25, 26
water resource management and
36, 37, 38, 40–41, 42, 44
Denmark 457
Ethiopia 111–12
France 461–4
Germany 185–6, 189
India 225–6, 227, 228, 233–4
Italy 524–5, 530, 537
National Governors Association (NGA) (USA) 347
National People’s Congress (NPC) (China) 403, 405, 406, 407, 410
Russia 280–86
UK 586–93, 600–601, 613, 615
see also bureaucracy; local
 government; State Council (China)
centralisation
Australia 18–20
Brazil 60–63
Denmark 438–40
Ethiopia 116
EU 162
France 10, 457–9, 485–6
central government 461–4
environmental groups 472–7
EU 481–4
household waste 492
industrial hazards 493–4
institutional decision-making
460–61
policy demand 472
policy supply 459–60
public opinion and political
parties 477–81
subcentral government 464–71
water and sewage 491
Germany 190–92
India 229–31
Netherlands 578
protection agencies and 626
UK 584, 612, 613, 614
see also decentralisation
charges see fiscal instruments
chemicals
Canada 94, 95
Canadian Producers’ Association (CCPA) 95
China 429
Germany 199
Ghana 509
Registration, Evaluation,
Authorisation and Restriction
of (REACH) (EU) 155
see also hazardous substances
Chiamparino, Tommaso 9
Chile
acronyms 395–6
judicial role 628
privatisations 624
protection agency diffusion 625
sustainability–development dilemma
see sustainable development, Chile
see also Latin America
China
decentralisation see decentralisation, China
EPA (Environmental Protection
Agency) 625–6
modernisation and market-based
instruments and 618
civil society
Brazil 66
Chile 371–2
Ethiopia 124
see also rural society
Clean Air Act (USA)
citizen suits and 323
institutional framework and 309,
311
major federal regulation, as 316
policy debates and 338, 339, 341
policy tools and 322
structured implementation and
441
tradable permits and 332–3
see also legislation
climate change
Action Plan (USA) 342
National Voluntary Challenge and
Registry Programme (VCR)
(Canada) 94–5
policy debate, USA 341–4
coasts
California Conservancy (CCC) (USA) 336
Ghana 510
see also fisheries; marine resources

collaboration see cooperation

command-and-control approach
Canada 91
foundations of 451
Germany 192–5, 198
Italy 537–9
modernisation and 619–20
Netherlands 562
UK 609
see also control

communities see groups; villages
Commission of the European Communities (CEC) see European Commission

competition
National Council (NCC) (Australia) conservation and 23, 26, 46
water resource management and 38, 39, 40, 41, 42, 44, 46
National Policy (Australia) 37, 40
compliance see enforcement

CONAMA (National Commission on Environment) (Chile)
critical analysis of 381–2
decentralisation shortcomings 384, 385
horizontal cooperation and 386
institutional set-up and 366–7
international agreements and 373
market-based instruments and economic evaluation, obstacles to 380
monitoring and control inefficiencies 383
participation possibilities and 371
SEIA and 365
soil pollution and 379
see also environment

CONAMA (National Council of the Environment) (Brazil)
conservation and economic growth and 54, 55–6, 72
assignment 58

policy process 63–4, 66, 67
public attorneys’ role 69

see also environment

Conferences
Munich 178
National, of the Environment (Brasilia) 71
National, on Environmental Protection (Beijing) 402
North Sea, Third 212
see also UN Conference on the Human Environment; UNCED

Consejo Economics y Social Comunal (CESCO) (Chile) 360

consensus
institutions in Germany and 195

conservation
Australia 4, 17–18, 45–6
assignment 18–26
biodiversity policy 29–36
EU, implications for 44–5
international agreements 19
Murray–Darling Basin Commission 37–8
natural resource management 36–7, 42–3
performance assessment 26–9
pollution control policy 43–4
water pricing 39–40
water provision for environment 41
water reform obligations 38–9
water resources policy 29–30
water rights 40–42
Chile 371–2
China 407–8
Defence of Flora and Fauna, National Committee for (CODEFF) (Chile) 372
EU 156–7
Forests and, Agency for (Denmark) 444
Foundation for (Brazil) 56
Germany 202–3, 212–13
Ghana 507
Italy 11, 522, 550
assignment, main actors and 528–37
governance institutions 523–8
regional programmes, community structural funds for 536–7
regulation and policy tools 537–43
voluntary approach 544–50
Netherlands and 568–71
Regional, Strategies (RCSs)
(Ethiopia) 120, 136
Russia 267–73
Specially Protected Natural Areas
(SPNAAs) (Russia) 268, 269–70,
271, 272, 280
Strategy of Ethiopia (CSE) 118, 119
USA 335, 337
Wildlife Development and,
Department (EWDCD)
(Ethiopia) 129, 131
see also protection
Constitution (Brazil)
conservation and economic growth
and 55, 72
assignment 58
centralisation and decentralisation
60, 61
policy process 63, 64, 66
public attorneys’ role 69
see also legislation
Constitution (India)
assignment and 224–5
judicial intervention and 254
PIL and 254, 255, 256
regulation and 226, 227, 233, 234, 239
standards determination and 252
water and Indian federalism and 242
watershed development and tank
irrigation and 246
see also legislation
Construction Ministry (China) 405
consultation
Canada 86–7
Germany 195
see also participation
consumer protection
Food and Agriculture and, Federal
Ministry of (BMVEL)
(Germany) 187, 196, 200, 202
see also protection
consumers
France 458
Germany 201
Conti, E. 528
contractors
forest-based products, of, India 234
contracts
China 432
Plan Etat Région (CPER) (France)
470–71
Germany 187
Italy 530
undertakings, governance trends
and 622–3
see also agreements
control
Brazil 52
Chile 382–3
Italy 530
see also command-and control;
enforcement; pollution control;
regulation
Conventions
Air Pollution, on 161
Århus 146, 161, 163
Bamako 120, 128
Basel 128, 161
CBD (Convention on Biological
Diversity) 50, 120, 157, 373
CITES (Convention on
International Trade of
Endangered Species) 157
Combat Desertification, to 120,
132
FCCC (Framework Convention for
Climate Change) 120, 128, 206,
342, 425
Ramsar 35, 272, 273
Rotterdam 128
Stockholm 128
Vienna 128
see also legislation
Conway, Thomas 79–80, 86
cooperation
assignment and, Australia 20–23,
26
Commission for Environmental
(Canada) 98
inadequacies, as barrier to
natural resource management,
China 420–421
licensing and, Netherlands
563–5
local, as policy tool, USA 325–8
target groups, with, Netherlands
562–3
coordination
inadequacies, as barrier to natural
resource management, China
420–421
initiative and, France 467–71
cost-benefit analysis
USA 307–8
Council of Advisors (SRU) (Germany)
176, 182, 184, 190, 203, 209–12,
213
Council of Economic Advisers (CEA)
(USA) 307, 341, 343
courts
Australia 45
Brazil 61
Canada 79, 81–2, 83
China 407, 408
Denmark 443
European Court of Justice 149, 155,
163, 165, 187, 600, 627
France 476–7
Germany 188, 192
India 228, 253, 256
Italy 523
USA 309, 322, 324, 325, 347–8
see also alternative dispute
resolution; judiciary; litigation;
Supreme Court (India)
Crawford, Ian 606
Croci, Edoardo 547
Crocker, Thomas D. 351
Cropper, Maureen L. 312
Crosetti, Alessandro 522
Culture, Recreation and Social Work
Ministry (CRM) (Netherlands)
569, 570

D’Amato, Alessio 541
Damro, Chad 146
data see information
De Jong, D. 568, 569, 570
decentralisation
Brazil 60–63
Canada 88
Chile 359–62, 369–71, 383–7
China 9, 397–9, 426, 432–4
accountability 423–5
assessment, theoretical framework
for 399–400
contractual arrangements 432
decision-making 421, 430
ecosystem offences across
jurisdictions 430–32
governance, current 402–5
information, incomplete 432
interconnections 426–7
international actors 414, 425–6
institutions 405–6, 414–15
local level 415–18
multilateral agreements, trade
provisions in 429
national level 406–15
national policy framework 421–3
natural resource management
400–402, 419–21
powers, general 427–30
Denmark 437, 438–40, 443
Ethiopia 114, 116
EU 162
France 457–8, 459
Germany 190–92
Italy 522, 525, 526, 535
Netherlands 559, 571, 577, 578, 579
powers’ allocation and 629
protection agencies and 626
Russia 285
UK 614
USA 309, 312
voluntary agreements and 621
see also centralisation; local
government
decision-making
China 421, 430
France 460–61
indigenous people and 630
Italy 542–3
protection agencies and 626
Russia and 297–9
see also policymaking
Del Fávero, Gabriel 366, 377, 380
demand
Australia 26
France
environmental groups 472–7
EU 481–4
public and, 458, 459
public opinion and political
parties 477–81
Netherlands 516
Environmental governance and decentralisation

Demissew, Sebsebe 6
Deng, Min 419
Denmark
   EU governance and 149
   management see management, Denmark
   privatisation 623
   voluntary agreements 621
see also EU
Deputy Prime Minister’s Office (ODPM) (UK) 586, 588
development
   Agents (DAs) (Ethiopia) 132, 134, 136
   Brazil 49–51
   Chile 363, 374
Command Area Programme (CADP) (India) 245–6
Drought and, Inter-Governmental Authority on (IGADD) (Ethiopia) 123
Economic and Social, National Bank for (BNDES) (Brazil) 67
local government institutions, policymaking in UK and 597–8
urban, Ministry of (India) 238
watershed, water policy and, India 246–7
see also rural development;
sustainable development
Dias, Bráulio F. de Souza 50
Dickinson, Derek 322
Dinan, Terry M. 312
Directives
   Access to Justice 163
   Accident Hazards 155
   Ambient Air Quality (96/62) 153
   Bathing Water (76/160) 153–4
   Birds (79/409) 156, 157, 161, 192
   Carbon tax 159
   Classification, Packaging and Labelling of Dangerous Chemicals (67/548) 155
   Drinking Water 599
   Environmental Impact Assessment (85/33/CEE) 542
   Environmental Information (2003/4/EC) 161, 189
   Habitats 157, 161, 192, 212, 571
   Hazardous Waste (78/319) 155, 156
   IPPC 192, 539
   Landfill 599
   Large Combustion Plant 148, 599
   Nitrates 181, 566, 567
   public participation (2003/35/EC) 163
   Seals 156
   Sewage Sludge 156
   Strategic Environmental Assessment (2001/42/CE) 543
   Surface Water (75/440) 153
   Titanium Dioxide 154
   Waste (75/442) 155, 156
   Waste Oils 156
   Water Framework (2000/60) 154, 192, 574, 577
   Whales 156
see also EU; legislation
DIREN ( Directions Régionales de l’Environnement) (France)
central government locally-tailored policies and 462, 463
EU and 483
groups and 476
institutional decision-makers and 460
public opinion and political parties and 480
subcentral coordination and initiative and 468
subcentral government powers and 467
see also environment; local government
Disco, C. 573
disputes
   interstate river water, India 241–4
see also alternative dispute resolution; courts; litigation
District Assemblies (Ghana)
   Common Fund (DACF) 505
decentralised departments under 521
   enforcement and control challenges 517–18
   enforcement and control powers 516–17
   functions 501
governance institutions, as 513, 519
   policy tools implementation and 514–15
Poverty Alleviation Fund 503
water resource management and 508
Divan, Shaym 237, 248, 253, 254
Dixon, Lloyd S. 345
Dockery, Douglas 340
Doern, G. Bruce 79–80, 86, 87
domestic waste see household waste
Driessen, Peter P.J. 565, 574
Drummond, José Augusto 50, 51, 52, 54, 64, 72
Dudek, Daniel J. 334
Durán, Valentina 373
Dyson, Kenneth 195

EC (European Community) see EU
Echeverria, John D. 324
ecology
National Commission for (Chile) 363
National Network (EHS)
(Netherlands) 570–71, 577, 579
see also environment; modernisation
Economic Affairs Ministry (EZ)
(Netherlands) 560, 563
economic growth see development
economic instruments see fiscal
ingredients; market-based
Economic and Social Committee
(ESC) (EU) 149
Economy, Elizabeth 397, 414, 417, 418
ecosystem protection see protection
Edgeworth, Francis Y. 629
Egler, Paulo 53
Emergency Response Commission,
State (SERC) (USA) 320
emission permits see quantity
instruments
energy
Directorate General (EU) 157
Germany 197–8, 208, 209
Ghana 507
Italy 539–40
Power Ministry (India) 238
Regulatory Authority for Electricity
and Gas (AEEG) (Italy) 450
Enevoldsen, Martin K. 563, 564
enforcement
Australia 34–5
Brazil 71
Canada 96–8
Denmark 437
Germany 203–5
Ghana 515–18
India 253–4
Russia 296–7
UK 599–600, 603
see also audit and scrutiny; control;
implementation; powers
Engel, Stefanie 7
English Nature (UK) 590, 591, 615
environment
Action Programmes (EU) 145, 150,
151, 158, 163, 166
Advisors, Council of (SRU)
(Germany) 176, 182, 184, 190,
203, 209–12, 213
Agencies
European (EEA) 149, 166, 446,
625
France (ADEME) 460, 471, 481
Germany see UBA
UK (EA) 590–91, 592–3, 602–4,
605, 612, 615
Antarctic, Evaluation, National
Committee for (CONAEIA)
(Chile) 373
Bureau, European (EEB) 150
Canadian Council of Ministers of
(CCME) 80, 82–3, 86, 90, 91, 96
Civil Initiatives for, Federal
Association of (Germany) 177
Commissioner of Ontario (Canada)
82, 98
Committee (EU) 149, 154
Community Operations Concerning
(COE) (EU) 160
Conservation and, Australian and
New Zealand Council
(ANZECC) 41
Council (EU) 148
Council of the States (ECOS) (USA)
308
Defense (EDF) (USA) 335
Department (DoE) (UK) 586, 593,
600, 601
Directions Régionales de (France)
see DIREN
Directorate General (EU) 143, 147,
150
Environmental governance and decentralisation

Engineering
National Research Institute (NEERI) (India) 248, 256
Rio de Janeiro Foundation for (FEEMA) (Brazil) 54
Forests and, Ministry (India) 232, 233, 235, 238, 251
Framework Law (Chile) see Environmental Framework Law

German Federal Ministry for Nature Conservation and Nuclear Safety and see BMU
impact assessment see environmental impact assessment
impact statements (EISs) 126, 127, 315
Institut Français de (IFEN) 478
management standards (EMAS) (EU) 160–61, 202
Minister for (Australia) 31–2, 33, 34, 35, 36
Ministers’ meeting, China and 431
Ministry
Brazil (MMA) 50, 56, 63, 67, 68, 70, 71
Denmark 443
France see Environment Ministry (France)
Italy see MATT
Netherlands 580
National Commission on (Chile) see CONAMA
National Council of the (Brazil) see CONAMA
National Policy (Ghana) 506
National System (SISNAMA) (Brazil) 54, 57, 63, 66, 70–71
Nature Conservation, and Nuclear Safety and, Federal Ministry for (BMU) (Germany) 179, 184, 189, 198, 203, 213
organisations see environmental organisations
Performance Partnership System, National (NEPPS) (USA) 312
Policy of Ethiopia see EPE
Policy Plan, National (Netherlands) 558, 562
profile, institutions in Russia and 264–5
Programme (Germany) 176, 192
protection see protection
Regional Commissions on (COREMAs) (Chile) 364, 365, 367, 384
Relief Fund (India) 228
Renewable Energy Resources and, Brazilian Institute of (IBAMA) 57
RIVM (Rijksinstituut voor Volksgezondheid en Milieu) (Netherlands) 567, 570, 571, 579
Special Secretariat of (SEMA) (Brazil) 53, 54, 57
State Protection Authorities (EPAs) (Australia) 24–5, 26
Stockholm Institute (SEI) 398, 419, 423
Sustainability Index (ESI) 17, 26–8, 29, 377, 378
see also management; modernisation
Environment, Food and Rural Affairs Department (DEFRA) (UK) 586, 588–90, 592, 593, 600, 601, 613
Environment Australia 32, 43, 44
Environment Canada 81, 94, 96, 97, 620
Environment Ministry (France)
centralisation and 486
central government
locally-tailored policies 462–3
EU 483
groups 474, 476
institutional decision-makers 460
public opinion and political parties 480, 483
subcentral coordination and initiative 468, 469
contracts and 622
see also environment
Environmental Framework Law (Chile)
sustainable development and 359, 389
decentralisation and participation 386–7
governance review 384
NGOs 371–2
participation possibilities 371
Index

policymaking and 364, 365, 366, 367, 369
see also legislation
environmental impact assessment (EIA)
Brazil 63, 64, 66
Canada 91
Chile 364–5, 369, 385
Denmark 436, 445
Ethiopia 125, 127
Italy 538–9, 542–3
see also environment; strategic environmental assessment
environmental organisations (EOs)
institutions in Germany and 216
institutional change in policymaking 174, 177, 178, 180
institutional set-up and main actors 182, 190
policy tools 195, 199, 201
public and 188–9
see also agencies; non-governmental organisations (NGOs); protection agencies
Environmental Sustainability Index (ESI) 17, 26–8, 29, 377, 378
EPA (Environmental Protection Agency) (USA)
Brazil and 53
CERCLA and 345–6, 347
clean air policy debate and 338, 339, 340–41
institutional framework and 306, 308, 309, 311, 312, 314
major federal regulations and 316, 318, 319, 320
policy tools and 323
structured implementation and 441
see also protection agencies
EPE (Environmental Policy of Ethiopia)
basis of 117
civil society involvement and 124
institutional responsibilities and activities and 131, 132
institutions and 120, 122
mineral resources and 135, 136
natural resource management and 133
policy and 120
pollution control policy and 125
scientific research and 125
water resources and 136
see also environment
Ethiopia
conservation policy see protection, Ethiopia
protection agency diffusion 625
see also Africa
Ethiopian Agricultural Research Organization 124
Ethiopian Forestry Action Plan 133, 134
EU (European Union)
Action Plan (EAP) 530
Action Programmes 145, 150, 151, 158, 163, 166
ALTENER programme 160
Australia and 17, 18, 44–5
China and 418
Committee of Permanent Representatives (COREPER) 148
Common Agricultural Policy (CAP) 143, 157, 541
Common Fisheries Policy (CFP) 143, 157
Council of Ministers 147, 148, 154, 159, 160
Denmark and 439–40, 446, 450
Eco-Management and Audit Scheme (EMAS) 160–61, 202, 544–5, 564
Economic and Financial Council of Ministers (ECOFIN) 148, 149
France and 458–9, 461, 481–4
General Affairs Council 148
Germany and institutional change in policymaking 179, 181–2
institutional set-up and main actors 187
leading role 215
policy tools 195, 196, 200
pressure on 173
supranational actor, as, 187–8
governance in see governance, EU
Italy and ARPAs 533
institutional setting 524, 525, 526
labelling 545–6
planning 535, 536
policymaking 550
regulation and policy tools 537, 541, 542, 543, 545
judicial role 627, 628
modernisation and market-based instruments and 619, 620
Netherlands and 561, 563, 571, 575, 577, 579, 580
protection agency diffusion 625, 626
UK and 584, 585, 594, 598–600, 613, 615
voluntary agreements 620, 621
see also individually named Member States; Directives
European Commission (CEC)
air pollution and 153
ecosystem protection and 156
governance by institutions and 146–8
governance structure and 144, 145
institutions in Germany and 182, 197
natural resource management and 157
Netherlands and 563
policy content and 154, 156, 157
policy instruments and 158–9, 163
policy setting and implementation and 163, 165
policy style and 150, 151
REACH and 155
soil pollution and 156
voluntary agreements and 621
water pollution and 154
European Council
governance by institutions and 147, 148
governance structure and 145
natural resource management and 157
policy instruments and 161
policy style and 151
European Parliament (EP)
France and 479
governance by institutions and 146, 148–9
governance structure and 145
policy instruments and 159, 160, 161
policy style and 151
theoretical framework and 142
evaluation
biodiversity policy, Australia 31–3
Commission (ECWM), Netherlands 559
economic, Chile 379–80
performance, Australia 26–9
sustainability and decentralisation, China 399–400
see also audit and scrutiny
executive orders (EOs) see legislation

Fafard, Patrick 88
Falcitelli, Federico 545
fee simple acquisition
policy tool, as, USA 335–6
fees see fiscal instruments
Finance Ministry
China 405
Russia 294
fiscal assignments
India see assignment, India
fiscal instruments
Chile 361–2
China 421
Denmark 437, 445, 446, 448–9
France 466
Germany 196, 213
modernisation and 619
Russia 267, 288–93
Strukturkommissionen and
(Denmark) 437
Timber Tax Credit Program TTCP)
(USA) 331–2
UK 592–3, 606–9
see also instruments
Fiscal Responsibility System (China) 401, 421
fisheries
Common Policy (EU) 143, 157
Game and, California Department of (CDFG) (USA) 331–2
National Service of
(SERNAPESCA) (Chile) 379, 382
policy, Ghana 507
State Committee on (SCF) (Russia)
(later FAF) 267
see also coasts; marine resources
forests
Advisory Committee (India) 233
Australia 25
Chile 377–8
Commission (Ghana) 513
Conservators of (India) 232
Corporación Nacional (CONAF) (Chile) 378, 382
Department (India) 226
Development, Brazilian Institute of (IBDF) 57
Director General of (DGF) (India) 232, 233
District Officer (DFO) (India) 232, 236
Ethiopia 133–4
Ethiopian Action Program (EFAP) 133, 134
Genetic Resources Conservation Project (Ethiopia) 130
Ghana 507, 509–10
India 225, 226–7, 229, 231–7
Joint Management (JFM) Programme (India) 235, 236, 258, 630
municipalisation and, Denmark 444
National Programme (NFP) Germany 200, 202, 204–5
India 231
National System of Protected Areas (SNASPE) (Chile) 378
Nature Protection and, Agency for (Denmark) 444
privatisation 623
Research and Education, Indian Council for (ICFRE) 232
Russia 274–6
State Administration (India) 232
UN Forum on 192
see also natural resources
France
contractual undertakings and 622–3
judicial role 628–9
policymaking centralisation see centralisation, France
privatisations 623
scale problem and 448
see also EU
Fredericksen, Liv 316
Freeman, A. Myrick III 317
Frouws, J. 566
funds
Chile 362
Cohesion (EU) 160
community structural, Italy 536–7
District Assemblies Common (DACF) (Ghana) 505
Environment Relief (India) 228
Highly Indebted Poor Countries (HIPC) 503
Nonprofit Organizations Assistance Program (NOAP) (USA) 336
Poverty Alleviation (Ghana) 503
Superfund (USA) 344–7
township, China 420
see also incentives, financial
Gaines, Sanford 330
Galizoni, Flávia Maria 68
Garrone, Giovanna 11
GDP (gross domestic product) Ethiopia 117–18
Gehring, Thomas 153
Geijer, J.C.M.A. 247
Gerelli, Emilio 541
Germany
acronyms and expressions 221–2
contractual undertakings 622
EU governance and 148
institutions see institutions, Germany
judicial role 628
modernisation and market-based instruments and 618–19
policymaking integration with other policy sectors and 631–2
privatisations 623
see also EU
Gersie, Jaap 569, 570, 571
Ghana
Action Plan (EAP) 517
capacity constraints on local government see local government, Ghana
see also Africa
Giddens, A. 559
Glaberson, W. 323
globalisation
Canada and 87–8
Goeldi Museum (Brazil) 56
Environmental governance and decentralisation

Goldstein, Judith 141
Golub, Jonathan 142, 154
Gopalappa, D.V. 247
Goverde, Henri 561

governance
conservation in Brazil and 51–3
decentralisation and, China 402–5
EU 6, 140–41, 144–5, 167–8
institutions, by 146–50
policy content 151–7
policy instruments 158–63
policy setting and implementation 163–7
policy style 150–51
theoretical framework 141–4
trends in, 13, 618
contractual undertakings 622–3
enactment and enforcement powers, allocation of 629
judiciary, role of 627–9
management by indigenous people and local communities 630
modernisation, market-based instruments and 618–20
policymaking, integration with other sectors 630–32
privatisation 623–4
protection agencies, diffusion of 624–6
voluntary agreements 620–22
USA 8–9, 303–4, 352
CERCLA (Superfund), policy debate 344–7
children’s health policy debate 350–52
citizen suits, as policy tool 322–5
clean air policy debate 338–41
climate change policy debate 341–4
conservation banking, as policy tool 335
conservation easement, as policy tool 337
ESA (Endangered Species Act), policy debate 347–50
fee simple acquisition, as policy tool 335–6
incentives, as policy tool 328–32
institutions 304–15
local collaboration, as policy tool 325–8
policy tools 321–2
regulations 304, 315–21
tradable permits, as policy tool 332–4
see also policymaking
government see central government; local government
Grant, Wyn 153, 154
green party
France 479–80
Germany 177–8, 181–2
see also politics
Greenstone, Michael 338
Griggs, Laura 316
groups
citizens’, Germany 188–9
community, Ghana 513–14, 515, 519
Community Environmental Committees (CECs) (Ghana) 515
demand and, France 472–7
forests and, India 234
France-Nature-Environnement (FNE) 473
governance institutions, as 513–14, 519
local, management by, governance trends and 630
militant, France 475–6
policy demand and, centralisation in France 472–7
policy tools implementation and, Ghana 515
structural funds for local government programmes, Italy 536–7
target, Netherlands 561, 562–3, 579
water user, water policy and, India 247
see also local government; villages
Grundtvig, N.F.S. 438
GTZ (Ghana) 497, 498
Guha, Ramachandra 234
Gunlicks, Arthur B. 438
Günther, Edeltraud 184

Hahn, Robert 333
Haigh, Nigel
centralisation and decentralisation issue in Denmark and 438–9
governance in EU and 152, 153, 154, 155, 156, 157, 160
Hall, Peter 141, 142
Hamburger, T. 325
Hanf, Kenneth 562
Hanley, Nick 331, 333
Harmon Doctrine 243
Harrison, Kathryn 79, 81, 86, 89, 96
Hartkopf, Günter 177
Haverland, Markus 563
Hayes-Renshaw, Fiona 148
hazardous substances
Canada 90
India 228
see also chemicals
hazardous waste
Canada 90
Denmark 443
see also waste
hazards, industrial see industry, hazards
health
Canada 78
children’s, USA 350–52
Ministry
Chile 382, 383
Ethiopia 136
see also public health
Héritier, Adrienne 141, 148
Hervé, Dominique 373
Heuser, T. 188, 189
Hildebrand, Philipp 144, 157
Hill, Andrew 143
Hillebrand, Bernhard 213
Hillman, J.C. 125
Holland, Kenneth M. 84, 86
Holmstrom, Bengt 462
Hommann, Kristen 249
Horlings, Ina 569, 570, 571
household
fiscal instruments and, Italy 540
Responsibility System (China)
400–401, 419, 420
rural area, as basic unit of natural resource management, China
419–20
household waste
fiscal instruments and, Italy 541
policy challenges and, Ghana 510
policymaking centralisation and,
France 492
see also waste
Housing, Spatial Planning and
Environment Ministry (VROM)
(Netherlands) 561, 562, 564, 566, 569, 570, 571
Howlett, Michael 88
implementation
Brazil 70–71
Canada 85, 88–9
Denmark 440–42
EU 163–7
India 251–2
local government policy, Ghana see
local government, Ghana
Russia 286, 288–96
USA 311
see also enforcement
incentives
financial, coordination and initiative
and, France 470
fiscal instruments compared, Italy 541
market-based, as policy tool, USA
328–9
price, as policy tool USA 329–32
India
assignment see assignment
judicial role 627–8
management by indigenous people
and local communities 630
Indian Institute of Technology 248
Indigenous Advisory Committee
(Australia) 35, 46, 630
indigenous people
Australia 35–6
Brazil 69–70
Canada 83
management by, governance trends
and 630
National EPA-Tribal Science
Council (TSC) (USA) 314
industry
Federation of German (BDI) 200
hazards, policymaking centralisation
and, France 493–4
institutions in Germany and 189
Ministry
France 460, 463, 468
India 238, 251  
participation and, Canada 84  
information  
availability and gathering, Ghana 518  
Central Statistical Authority (CSA)  
(Ethiopia) 117  
devices, NEPIs and, Germany 201–2  
Federal Register (USA) 348, 350  
groups’, France 474–5  
incomplete  
China 432  
Russia 297  
institutions see audit and scrutiny  
National System of (SNIA) (Chile) 380  
policy framework strengthening and, China 422  
protection agencies and 625  
Regulatory Affairs and, Office of (OIRA) (USA) 307, 308  
scientific, public demand and, France 458  
use of, policymaking in UK and 604–5  
Informe Pais (Chile) 378  
Ingram, Verina 564  
institutions  
Canada 80–85  
Chile 366–7  
China 405–6, 414–15  
Denmark 452–4  
design of, research goal and 4  
Ethiopia 111–16, 120–24, 126–9  
EU 146–50  
financial see banks  
France 460–61  
Germany 7, 173–4, 205  
achievements 205–8  
centralisation and decentralisation  
trends 190–92  
change in, policymaking and 174–82, 214–16  
command-and-control as dominant approach 192–5  
consensus, consultation and liability 195  
courts 188  
environmental organisations (EOs) and the public 188–9  
EU as supranational actor 187–8  
industry 189  
main actors and 182–3  
media 190, 195  
monitoring and enforcement 203–5  
natural resource management and nature conservation 202–3  
NEPIs (new economic policy instruments) 196–202  
problems and challenges 208–14  
public sector 184–7  
scientific and academic sector 190  
subsidies and payments for environmental services 196  
Ghana 512–19  
Italy 523–8  
Netherlands 559–61  
Russia 8, 263, 265–7, 277–9  
decision-making, lack of scientific expertise in 297–9  
economic and financial instruments 286, 288–96  
ecosystem protection 267–73  
enforcement, lack of 296–7  
environmental profile 264–5  
information, incomplete 297  
interconnections 296  
natural resource management 273–7, 279–86  
natural resources profile 263–4  
pollution control 265–7  
UK  
audit and scrutiny 593–5  
central government 586–93  
local government 595–8  
modernisation and 605–12  
see also actors; agencies; environmental organisations; non-governmental organisations; public bodies  
instruments  
Canada 89–93, 95–6  
Chile 364–6  
market-based see market-based instruments  
policy see policy instruments  
Russia 286, 288–96
see also fiscal instruments; legislation; market-based instruments; policy instruments; regulation interconnections decentralisation and, China 426–7 institutions in Russia and 296 Interior Department (DOI) (USA) 306 Interior Ministry Denmark 443 Germany 176, 177, 178, 179 international agreements Australia 19 Chile 372–3 see also agreements; legislation international trade role in sustainable development legislation, Chile 387–9 see also trade irrigation Department (India) 239, 240, 246 District Advisory Committee (India) 240 surface water and, water policy and, India 245–6 tank, water policy and, India 246–7 see also water ISO 14001 see EU, EMAS Italy acronyms 555–7 contractual undertakings and 623 judicial role 628 voluntary agreements 621 see also EU Iyer, Rawaswamy R. 246, 247 Jachtenfuchs, Markus 149 Jahiel, Abigail 403, 404–5 James, A.J. 240 Jänick, Martin institutions in Germany and 173 evaluation 205 institutional change in policymaking 174, 176, 178, 179, 181 institutional set-up and main actors 185, 186, 188, 189, 190 policy tools 192, 194, 196, 198, 200, 201 Japan China and 414, 418, 431 Jeffrey, Charlie 149 Johnston, C.N. 324, 325 Jones, Laura 316 Jordan, Andrew EA role and 602 environmental modernisation in UK and institutions and 606 governance in EU and 143 institutional and ideational setting 144 policy content 154 policy instruments 158, 159, 160, 161 setting and implementation 163, 165 institutions in Germany and 197, 199, 200 policymaking in UK and Europeanisation and 600 Jørgensen, Ulrik 450 Judge, David 149 judiciary intervention by, India 236–7, 250–51, 254–8 role of, governance trends and 627–9 see also courts Justice Department (USA) 320 Kasyanov, Parvel V. 8, 263, 276, 280, 287 Katz, Ricardo 366, 374, 377, 380 Keay, Ian 83 Kellow, Aynsley 146 Keohane, Robert 141 Kerremans, Bart 142 Kirchhoff, Stefanie 201 Kirkpatrick, Grant institutions in Germany and 215 achievements evaluation 205, 206 challenges and problems evaluation 208, 209, 212, 213, 214 institutional change in policymaking 179 institutional set-up and main actors 184, 186, 187
market-based instruments 197, 198
media-centred approach 195
natural resource management and nature conservation 202
policy tools generally 192
voluntary agreements 200
Kishiname, Roberto 67, 68
Kitschelt, Herbert 478
Klaver, J.C.M. 564
Klepper, Gernot
institutions in Germany and 215
achievements evaluation 205, 206
challenges and problems evaluation 208, 209, 212, 213, 214
institutional change in German policymaking and 179
institutional set-up and main actors in Germany and 184, 186, 187
market-based instruments 197, 198
media-centred approach 195
natural resource management and nature conservation 202
policy tools generally 192
voluntary agreements 200
Kloepfer, Michael 204
Kluge, Thomas 198
Kneese, Allen V. 453
Knill, Christoph 148
Knoepfel, Peter 454, 457
Koch, Hans-Joachim 192
Kohlhepp, Gerd 70
Kolavalli, Shashi 247
Koppen, Ida 149
Krebs, Maja 184
Kronsell, Annica 151
Kuhn, Betsey 337
Kunig, Philip 174
Kyoto Protocol see legislation
La Camera, Francesco 529, 541
labelling
Canada 96
ECOMARK (India) 251
EU 160, 161
Germany 201
Italy 545–6
Quality Assurance and, Institute for (RAL) (Germany) 201
land
Trust Alliance (LTA) (USA) 336
use, policy challenges and, Ghana 509–10
Utah Critical, Conservation Committee (UCLCC) (USA) 336
see also planning
LandCare programme (Australia) 25
Larrue, Corinne 462, 483
Larson, Anne 399
Lascoumes, Pierre 470
Latin America
protection agency diffusion 626
see also Brazil; Chile
Lauber, Volkmar 563, 564
Leal, José 375, 377, 379, 380, 383
Lee, Eugene 89
legislation
Aalborg Charter 548
Administrative Penalty Law (China) 424
Administrative Permit Law (China) 424, 425
Administrative Procedure Act (APA) (USA) 305
Agrotoxics Act (Brazil) 61, 66
Air Pollution Act (Netherlands) 562
Air (Prevention and Control of Pollution) Act (India) 227–8, 229, 249
Alkali Act (UK) 602
Alternative Dispute Resolution Act (USA) 326
Amhara National Regional State Constitution (Ethiopia) 113
assignment and, Italy 528–9
Basel Convention ratification (Proclamation No. 192, 2000 (Ethiopia)) 128
Brazil 64–5
CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) (USA) 319–20, 344–7
Civil Code (Italy) 523
Clean Water Act (USA) 311, 316–17, 323, 325
Cleaner Production, Law of Promoting (China) 425
Closed Substance Cycle and Waste Management Act (Germany) 179
Coastal Management Act (Brazil) 65
conservation in Brazil 64–5
Constitution
Australia 18, 19, 26, 45
Canada 77–80
Chile 360, 363
China 403, 406
Ethiopia 111–12, 113, 125, 137
France 480
Germany 176, 184, 186, 187, 190
Italy 523, 525, 526, 528, 530
Russia 274
USA 304, 308, 314
Constitutional Law for the Reform of the Regional Administration (Chile) 360
Constitutional Law on Municipalities (Chile) 360, 369
Crank Case Emission Regulation (India) 250
Criminal Code
Germany 203, 204
Italy 523
Russia 296
Criminal Law (China) 427, 428
Directive Principle of the State Policy and Fundamental Duties (India) 226
EIS (Proclamation No. 299, 2002 (Ethiopia)) 126
Endangered Species Conservation Act (USA) 317
Endangered Species Preservation Act (USA) 317
Environment Act
Netherlands 560, 564
UK 591
Environmental Crimes Law (Brazil) 60, 66, 68
Environmental Crimes Law (Germany) 203
Environmental Framework Law 1994 (Chile) 364
Environmental Liability Act (Germany) 195
EPCRA (Emergency Planning and Community Right-to-Know Act) (USA) 320, 325
ESA (Endangered Species Act) (USA) 317–18, 324–5, 347–50
EU 144–5, 146–7
EURATOM Treaty 155
Evaporative Emission Regulation (India) 250
executive orders (EOs) (USA) 305–6, 307–8, 314, 340, 350–52
Factories Act (Germany) 174
FCCC ratification (Proclamation No. 97, 1994 (Ethiopia)) 128
federal executive authorities, Presidential Decrees on (Russia) 278, 281, 284
Fertilization Ordinance (Germany) 181
FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) (USA) 317
Financial Law (Italy) 528, 546
Fisheries Act (Canada) 90, 92, 97
Fisheries Law (Chile) 379
FLEP (Federal Law No. 7-FZ On the Environment protection) (Russia) 265, 266, 288
Forest Act (Germany) 202
Forest Code (Brazil) 52
Forest Code (Russia) 274
Forest (Conservation) Act (India) 227, 232, 233, 237, 255
Forest Law (Denmark) 444
forest management and protection, Russia 275, 276
Forest Policy Statement (Australia) 25
forestry resources (Proclamation No. 94, 1992 (Ethiopia)) 133
France 465, 466, 474
Free Trade Agreement (Chile/Canada) 387–8
Fuel Quality Standards Act (Australia) 43–4
Ghana 496, 497, 505
Green Protocol (Brazil) 67
Harmonization Accord (Canada) 80, 97
Hygiene Law (UK) 439
Environmental governance and decentralisation

IAGE (Intergovernmental Agreement on the Environment) (Australia) 20–21, 22, 23
IBAMA Law (Brazil) 65
Idle Emission Regulation (India) 249
Immission Control Act (Germany) 177, 186
implementation and, Denmark 442
Indian Forest Act 226, 231, 234
Industrial Zoning Bill (Brazil) 61
ISWD (InterState Water Disputes) Act (India) 242, 243
Italy 524, 525, 528, 530, 539
Kyoto Protocol 161, 206, 343–4, 425, 620
Land Act (Brazil) 52
Landmark Preservation Law (New York City, USA) 334
Large Combustion Plants Ordinance (Germany) 178
Local Administration Act (Ghana) 496
Local Administration (Amendment) Decree (Ghana) 496
Local Government Act (Ghana) 496, 500, 501, 514
Lusaka Agreement 120
Mass Emission Regulation (India) 250
Montreal Protocol 91, 128, 161
Motor Vehicles Act (India) 249
Municipal Councils Ordinance (Ghana) 496
National Environment Appellate Authority Act (India) 228
National Environmental Policy Act (Brazil) 53–4, 55, 57, 58, 65
National Environmental Tribunal Act (India) 228
National Forest Policy Resolution (India) 234
natural resource management (Proclamation No. 1, 1995 (Ethiopia)) 133
natural resource management, Russia 273–4, 297–8
Nature Conservation Act (Germany) 177, 203, 213
NEPA (National Environmental Policy Act) (USA) 315–16
Netherlands 559, 562
Nuisance Act (Netherlands) 560, 562, 564
OPA (Oil Pollution Act) (USA) 320–21
Organizational Law on the Villagers’ Committee (China) 424
Packaging Covenant (Netherlands) 563
Packaging Ordinance (Germany) 198
payments for natural resource use, Russia 293
policy areas and, Germany 193–4
pollution control policy (Proclamation No. 300, 2002 (Ethiopia)) 125, 126
Pollution Prevention and Control Act (UK) 603
PPA (Pollution Prevention Act) (USA) 321
protection
Australia, (EPBC) Act 23, 24, 25, 28, 30–36, 46
Canada (CEPA) 90, 91, 93, 96, 97, 98
China 403–4, 405, 417, 422
Denmark 441, 443, 446
Ethiopia 122
India 228, 249, 252, 253, 255
Netherlands 568
Russia 267–8, 271, 289
UK 591
USA 303
protection agencies
Ethiopia 120, 121
Ghana 510
Russia 277
Prussian Industrial Statute (Germany) 174
Public Civil Action Act (Brazil) 65
Public Law 101–552 (USA) 326
Public Liability Insurance Act (India) 228
RCRA (Resource Conservation and Recovery Act) (USA) 318–19
regional agencies (Proclamation No. 295, 2002 (Ethiopia)) 122, 123, 127
Renewable Energy Act (Germany) 206
RFAs (Regional Forest Agreements) (Australia) 25
Ronchi Decree (Italy) 546, 547
Safe Drinking Water Act (USA) 312, 318
Single European Act 144, 146, 158, 187, 458, 481, 599
Species At Risk Act (Canada) 93
SPNA (Federal Law on Specially Protected Natural Areas) (Russia) 268
Superfund Amendments and Reauthorization Act (SARA) (USA) 320
Surface Water Pollution Act (Netherlands) 562, 564, 573
sustainable development and, Chile 362–4, 387–9
Tax Code (Russia) 293–4
Treaty of Amsterdam 187
Treaty of Maastricht 158, 600
Treaty of Rome (EC Treaty) 144, 146, 187, 482
TSCA (Toxic Substances Control Act) (USA) 318
Unfunded Mandates Act (USA) 307
Waste Water Charges Act (Germany) 177
Water Code
Brazil 52
Chile 375
Russia 276, 277
Water (Prevention and Control of Pollution) Act (India) 227, 228, 252, 253
Water Reform Agreement (Australia) 23, 36–43, 44
water resources (Proclamation No. 197, 2000) (Ethiopia) 135
Water Resources Act (Brazil) 66
Water Rights Act (Germany) 174
Watercourse Law (Denmark) 443
Waters, Law of the (Brazil) 68
wetlands, Decree of the Government of the Russian Federation No. 1050 on 272
Wildlife Protection Act (India) 226

see also agreements; Clean Air Act (USA); Constitution (Brazil); Constitution (India); Conventions; Directives; Environmental Framework Law (Chile); instruments; international agreements; regulation

Leis, Héctor R. 64
Lemma, Kifle 6, 122, 123, 124, 125
Lenschow, Andrea 143, 144, 145, 155, 156, 157, 160
Leonard, Arne R. 324
Léost, Raymond 477
Leroy, Pieter 558, 570, 571
Lester, James P. 313
Lewanski, Rudolf 523, 524, 526, 537, 547
liability
institutional, Germany 195
licensing
Italy 538, 539
Netherlands 563–5, 577
Russia 287–8
see also permits
Lieberthal, Kenneth 418
Liefferink, Duncan
ecosystem protection in Netherlands and 570
governance in EU and 148
industrial pollution control in Netherlands and 562, 563, 564
policymaking in Netherlands and 12, 558, 580
Lipsky, Michael 422
litigation
Canada 82, 98
Chile 384
citizen suits, as policy tool, USA 322–5, 628
Denmark 445
EU 164
Germany 439
public interest (PIL), India 229, 231, 250, 254–8
see also alternative dispute resolution; courts
Local Agenda 21 (LA21)
Coordinamento agende Locali Italiane 547
France 471
Italy 548–50
see also Agenda 21
local communities see groups, local
local government
Brazil 58–60
Canada 84, 91–2
Canadian Municipalities, Federation of
Chile 360, 367–9
China 403, 415–18, 424
Denmark 443–6
Ethiopia 112–14
France 459, 460–61, 464–71
Germany 186
Ghana 11, 495–6, 518–19
data availability and gathering 518
decentralisation 496–8, 521
enforcement and control 515–18
framework 505–10
governance institutions 512–19
new local government system 498–505
policy tools implementation 514–15
India 226, 233–4, 234–5, 240–41
Italy 523–4, 530, 532, 536–7, 539, 543, 548–50
Netherlands 560, 562, 564–5, 567, 571
UK 595–8, 612–13
USA 308, 309
see also bureaucracy; central
government; centralisation; management, Denmark
Lord, Christopher 143
Luaces, Pilar 146
Lukianchikov, N.N. 263, 274, 280, 287
Lux, Alexandra 198
Macdonald, Douglas 83
Macleod, Calum 599
Madé, Bernard 93
Majone, Giandomenico 143, 151
management
assignment and main actors, Italy 529–32
cos-, agreements, indigenous people and 630

Denmark 10, 436–8, 454–5
capacity problem, modernisation and 450–52
centralisation and decentralisation issue 438–40
implementation, structured or adaptive 440–42
local problem 446–50
‘municipalisation’ 443–6
technological change, institutional rigidity and 452–4
indigenous people and local communities, by, governance trends and 630
joint park, Australia 35–6
new local government system,
Ghana 498–501
planning for sustainable development and, Italy 535–7
pollution charges payment, Russia 289–90
Rationalization, National Commission of (CONARA) (Chile) 360
standards, European (EMAS)
160–61, 202, 544–5, 564
systems, regulation and policy tools in Italy and 544–5
see also environment; natural resource management
Mandal, Subrata 7–8, 627, 628
Mann, Charles 349, 350
manufacturers
forest-based products, of, forests policy and, India 234
March, James 141
marine resources
Dirección General del Territorio Marítimo y de Marina Mercante (DIRECTEMAR) (Chile) 382
sustainable development and, Chile 379
see also coasts; fisheries; natural resources
market
national water rights trading,
Australia 42
market-based incentives see incentives, market-based
Index

market-based instruments
Chile 379–80
China 422–3
Denmark 436–7
governance trends and 618–20
Italy 539–41
NEPIs, Germany 197–9
see also instruments
Matlářy, Janne 157
MATT (Ministero dell’Ambiente e
della Tutela del Territorio)
conservation and 550
administration 529
APAT 532
ARPAs 533
environmental impact assessment
542
institutional setting 523, 524–5
LA21 (Coordinamento Agende 21
Locali Italiani) 548, 549
planning 535
voluntary agreements 547
Matthews, Duncan 153, 154
Mattos de Lemos, Haroldo 53, 54, 55,
56, 60, 66, 72
Mazey, Sonia 141
McCloskey, Michael 327
McCormick, John
institutional and ideational setting
and, EU governance 147, 149
policy content and, EU governance
152, 153, 155, 156, 157
policy instruments and, EU
governance 160
McGrath, David G. 70
McKay, Jennifer 375
Medauar, Odete 54
media
Associated Press 344
ENDS Daily 155, 159, 161
institutions in Germany and 190, 195
Mehta, Shekhar 251
Metcalfe, Cherie 83
Milgrom, Paul 462, 629
Miller, Jeffrey G. 323, 333, 334
Millimet, Daniel 312
minerals
institutional responsibilities and
activities, Ethiopia 137
policies, Ethiopia 136
Servicio Nacional Geologico y
Minero (SERNAGEOMIN)
(Chile) 382
see also natural resources
Mines Ministry (Ethiopia) 137
Mingers, Susanne 148
modernisation
Denmark 450–52
fiscal instruments and 619
Germany 179–80
governance trends and 618–20
UK 605–12, 615
see also environment
Mol, Arthur P.J. 451, 562, 563, 564
monitoring see control; enforcement
Montenegro, Sergio 373
Montero, Juan-Pablo 374
Morand-Deviller, Jacqueline 474
Mørch, Søren 438
Müller, Edda 174, 176, 195
Mundle, Sudipto 251
municipalities see local government
Musgrave, Richard A. 224
national parks
Director (Australia) 35
Germany 202–3
Russia 268–72
natural resource management
Australia 36–7, 42–3
China 400–402, 419–21
Ethiopia 132–7
EU 157
Germany 202–3
Ghana 507–8
Netherlands 572–5
Russia 273–7, 279–86
see also management
natural resources
charges, Russia 291–3
conservation, Ghana 507
Environment and, Ministry of
(Russia) 278
Ethiopia 118–19
limitation and licensing of use,
Russia 287–8
policies, Chamber of (Brazil) 71
profile, Russia 263–4
World Resources Institute (WRI)
399, 400
see also forests; marine resources; soil; water
Natural Resources Ministry (MNR) (Russia)
environment institutions and 265, 267, 270, 273, 274
institutional set-up and 278, 279, 281, 283, 284
policy instruments and 286, 294
research and 297
nature protection see conservation
Nelissen, N.J.M. 564, 565
Nepstad, Daniel 49
Netherlands
  Denmark compared, water pollution control policy 446
  policymaking see policymaking, Netherlands
  voluntary agreements 621
see also EU
Newell, Peter 153, 154
Nijhuis, Michelle 336
Nilo, Claudio 383
Nogueira Neto, Paulo 53
noise pollution
  EU 156
  Ghana 509
  Russia 266
see also pollution control; urban areas
non-governmental organisations (NGOs)
  conservation and, Ethiopia 124
decentralisation and, China 414
EU governance and 149–50
governance institutions, as, Ghana 513–14, 519
  policy and, Canada 84–5, 99
  sustainable development and, Chile 371–2
see also public bodies
norms see standards
Oates, Wallace E. 2, 311, 326, 457
OECD (Organisation for Economic Co-operation and Development)
  assignment framework in Italy and 528, 535
  community structural funds (Italy) and 537
EU governance and 146
  institutions in Germany and 173
  achievements evaluation 205, 206
  challenges and problems evaluation 208, 209, 212, 213, 214
  institutional change in policymaking 182
  policy tools 195, 200, 202, 203
management capacities and constraints in Denmark and 438, 449
policy interdependence and coordination in Canada and 89, 99
policy reform recommendations for Germany 210–11
regulation and policy tools in Italy and 541
voluntary agreements and 621
offences
decentralisation and, China 430–32
offsets
  pollution charges, Russia 290
Oliveira, Sonia Maria de 58, 60
Olsen, Johan 141
organisations see agencies; groups; institutions; non-governmental organisations; public bodies
Ostro, Bart 374
Owens, Susan 605
Paehlke, Robert 84, 86, 88
Pagnoccheschi, Bruno 68
participation
  Brazil 66–8
  Canada 84, 85–6
  Ethiopia 124
  France 469–70
  Germany 189
  Ghana 502
payment
  administration, pollution charges in Russia 289–90
  services, for, Germany 196
Perl, Anthony 89
permits
  Administrative, Law (China) 424, 425
  authorities issuing, Italy 538
construction and demolition, local government powers and, France 466

tradable see quantity instruments
see also licensing

Pesaro, Giulia 547
Petchey, Jeffrey 4
Peters, B. Guy 142
Petrov, A.P. 263, 274, 276
Piazza, Laura 9
Pierson, Paul 141
Pigou, Arthur C. 436, 452–3
Pintér, Laszlo 631
planning
Canada 92
local government and
Italy 530
UK 597–8

protection and, Netherlands 568–70
research and, Centre for Environmental (CIPMA)
(Chile) 363, 372
sustainable development, for, Italy 535–7
see also land

Plummer, Mark 349, 350
Poelzer, Greg 83
policy
anthropocentric focus, Netherlands 516
assignment and, Australia 23–5
capacity constraints on local government and see local government, Ghana
concepts, policymaking in UK and 602
content, EU 151–2
demand see demand
effectiveness, overlapping fiscal domains and see assignment, India
institutional problems and challenges and, Germany 213–14
instruments see policy instruments
integration, Germany 214
natural resources, Chamber of (Brazil) 71
reform in Germany, OECD recommendations 210–11
style, governance in EU and 150–51
supply, France 459–60
central government 461–4
institutional decision-making 460–61
subcentral government 464–71
see also individually named policy areas

policy instruments
EU 158–63
municipalisation and, Denmark 445
natural resource management in Netherlands and 574–5
new economic (NEPIs) (Germany) 194, 195, 196–202, 215
see also instruments

policy tools
EU 545
Germany 192, 194–6, 198–204
Ghana 514–15
Italy 537–43, 544–5
USA 225–8, 321–5, 328–32, 332–4, 335–6, 337

policymaking
Canada 4–5, 77, 85–8, 98–100
actors and institutions 80–85
Constitution 77–80
enforcement 96–8
implementation 85, 88–9
instruments 89–96
‘voluntary’ initiatives 94–5
centralisation, France see centralisation, France
institutional change and, Germany 174–82, 214–16
integration with other sectors, governance trends and 630–32
Netherlands 12, 558–9, 576–80
conservation 568–71
institutions 559–61
natural resource management 572–5
pollution control 561–8
UK 12–13, 584–5, 612–15
audit and scrutiny institutions 593–5
central government institutions 586–93
central government organisation 600–601
central government responsibilities 587
EA role 602–4
Europeanisation 598–600
information use 604–5
local government institutions 595–8
modernisation, institutions and 605–12
policy concepts 602
taxes 606–9
tradable permits 610–12
see also decision-making; governance
politics
Brazil 62, 71–2
Chile 360–62
China 398, 401–2
Denmark 440–41, 442, 445
France 477–81
Germany 191
India 229–31
Netherlands 560
see also green party
Pollack, Mark 147, 156
‘polluter pays’ principle
Chile 366
Denmark 449
pollution
Authority (EPA) (India) 250
charges, Russia 288–91
laws regulating, implementation, India 251–2
National Pollutant Release Inventory (NPRI) (Canada) 96
POPs (Persistent Organic Pollutants) 126, 128
Royal Commission on Environmental (RCEP) (UK) 594–5, 596, 604, 605
pollution control
Accelerated Reduction/Elimination of Toxics (ARET) Challenge (Canada) 94
Brazil 61
Central Board (CPCB) (India) 227, 238, 249, 250–51, 252
China 423
Denmark 444–5
Ethiopia 118, 125–9
EU 152–7
Ghana 508–9
India 227, 231
modernisation and 451–2
Netherlands 561–8
Russia 265–7, 291
State Boards (SPCBs (India) 227, 241, 251, 252, 253, 254, 257
UK 601, 602, 603
see also air pollution; control; noise pollution; soil pollution; water pollution
Portney, Paul R. 2, 312
Posey, Darrell 70
Postiglione, A. 523
Potravnyi, I.M. 263, 274, 280, 287
poverty reduction
decentralisation successes and, Ghana 502–3
power see energy
powers
Canada 77, 78
Chile 369–71, 376
China 416–17, 427–30
Denmark 437, 441, 445
District Assemblies (Ghana) 516–17
enactment 629
enforcement 515–17, 629
EPA (Ghana) 515–16
France 464–7
see also assignment
Pressmann, J.L. 442
Price, Robert
institutions in Germany and 215
achievements evaluation 205, 206
challenges and problems evaluation 208, 209, 212, 213, 214
institutional change in policymaking 179
institutional set-up and main actors 184, 186, 187
market-based instruments 197, 198
media-centred approach 195
natural resource management and nature conservation 202
policy tools generally 192
voluntary agreements 200
price incentives see incentives, price
Index

pricing
water, Australia 39–40

privatisation
  governance trends and 623–4
  water sector, Chile 376–7

problems see challenges
Probst, Katherine N. 345

product
  forest-based, manufacturers and contractors of, India 234
  labelling see labelling
  profile see environmental profile

Prosecutor, Public Office of (Brazil) 69

protection
  administration department (China) 404
  Australia 24–5
  Authority (EPA) (Ethiopia), 118, 120–22, 126, 127, 128–9, 130, 136
  Brazil 4–5, 49–51
  assignment of powers 53–5, 57–60
  centralisation and decentralisation 60–63
  environment system, national 55–7
  governance 51–3
  indigenous people 69–70
  legislation 64–5
  policy process 63–8
  public attorneys’ role 69
  rhetoric and reality 70–72
  water resource management 68–9

Bureau, National (China) 405

bureaux (EPBs) (China) 404, 405, 407, 410, 417, 418, 433

China 407–8

Conference on (Beijing) 402

Council (EPC)
  Ethiopia 120
  Ghana 510, 517
  National (NEPC) (later EPHC) (Australia) 21, 22
  Ethiopia 5–6, 111, 117, 137
  biodiversity erosion 119
  civil society involvement 124
  dung burning 118
  ecosystem protection 129–32

GDP stagnation, agricultural predominance and decline and 117–18

institutions 111–16, 120–24

natural resource management 132–7

natural resources 118–19

policies 119–20

pollution control 125–9

scientific research 124–5

soil erosion, accelerated 118

urban environment deterioration 119

Heritage Council, and (EPHC) (formerly NEPC) (Australia) 22

Land Administration and Utilization and, Authority (Ethiopia) 122

Leading Group on (China) 403, 404

Measures, National (NEPMs) (Australia) 21–2, 43

Natural Resources and, Committee for (China) 406, 410

Nature Use and, Ministry for (Russia) 278

regulation, India 228

Russia 263

State Administration (China) see SEPA

State Commission (China) 404–5

State Committee of USSR on 277

State Council Decision on Several Issues Concerning (China) 406

technical services and
  National Agency for (APAT) (Italy) 532–3, 534–5, 545, 546, 549

Regional Agency for (ARPA) (Italy) 530, 532, 533–5, 536, 537

Urban and Rural Construction and, Ministry of (China) 404, 405

USA 303, 304

see also conservation; consumer protection

protection agencies (EPAs)
  China 625–6
  Denmark 442, 443, 444
diffusion of, governance trends and 624–6
Ghana 508, 510–12, 514, 515–16, 518–19
Italy 532–5
National (NEPA) (China) 405, 406
USA see EPA
see also agencies; environmental organisations
public attorneys
Brazil 69
public bodies
non-departmental (NDPBs) (UK) 590–93, 602–4, 605, 612, 615
see also non-governmental organisations
Public Health and Environmental Hygiene Ministry (Netherlands) 560
public opinion
policy demand and, centralisation in France 477–81
public sector
institutions in Germany and 184–7
public services
agreement (PSA), for DEFRA 588–90
International Research Unit (PSIRU) 623–4
see also services
Public Works Ministry (France) 468
Puppim de Oliveira, José Antonio 49, 51, 66, 67, 72
Qiao, Mu 400
Qu, Geping 403, 404–5
quality
Assurance and Labelling, Institute for (RAL) (Germany) 201
Council of Environmental (CEQ) (USA) 307, 316
Department of Environmental (DEQ) (Wyoming, USA) 313–14
quantity instruments
Canada 93
Germany 198–9
modernisation and 619
UK 609, 610–12
USA 332–4
see also instruments
Quincy Library Group (USA) 328
Rabe, Barry G. 87, 309
Rajashekar, D. 247
Rao, Govinda M. 7–8, 224, 242, 627, 628
Rayner, Tim 605
reform
Australia 38–9
Chile 360–62
China 398, 401–2, 422, 423–4
Germany, OECD recommendations 210–11
regions see local government regulation
Australia 40
Germany 194
India 225–8, 248–52
Italy 537–43
Netherlands 565–6
UK 602–4, 615
USA 304, 315–21
see also control; instruments; legislation
Reich, Michael R. 174
Rein, Martin 142
Reitan, Marit 440
research
Amazonia, in, National Institute for (INPA) (Brazil) 56
Commonwealth Science and Industrial Organisation (CSIRO) 25
Directorate General (EU) 151
Ethiopia 124–5
Fundación Facultad de Derecho de la Universidad de Chile 372, 373
Germany 190
Instituto de Estudos da Religião (ISER) (Brazil) 50
National Council (NRC) (USA) 349
National Environmental Institute (Denmark) 454
planning and, Centre for Environmental (CIPMA) (Chile) 363, 372
protection agencies and 626
Umweltakademie (Germany) 200
V Encuentro científico sobre el medio ambiente en la Universidad de la Frontera (Chile) 388
see also science; technology
Research Foundation for Science (India) 255
resource management see natural resource management
responsibilities
Australia 24
Brazil 57–60
Canada 84
Chile 361
China 401, 417, 420–21
Denmark 437
Ethiopia
forests 133–4
levels of government and 115
minerals 137
pollution control 126–9
protection 129–32
water 135–6
Fiscal, System (China) 401, 421
France 466, 475
Germany 185
Household, System (China) 400–401, 419, 420
India 247
protection agencies and 626
sharing, Italy see conservation, Italy
UK 586, 587, 591, 597
Revesz, Richard L. 321
Reynolds, Jeffrey 324
Ribeiro, Eduardo Magalhães 68
Ribeiro, José Cláudio J. 58
Ribeiro, Mauricio Andrés 55, 63
Ribot, Jesse 397
Richards, Alan R. 243
Richardson, Jeremy 141
rights
purchased development (PDR) (USA) 336, 337
tradable development rights (TDR) programs (USA) 333–4
water
Australia 40–42
Chile 375
Ritchie, Ella 143
rivers
Action Plans (India) 248
interstate disputes, water policy and, India 241–4
waste disposal in, water pollution regulation in India and 248
see also water
Roberts, John 629
Rosencranz, Armin 237, 248, 253, 254
Rosenthal, Elisabeth 323
rural areas
agricultural pollution control and, Netherlands 567
decentralisation successes and, Ghana 502
forests and, India 234
household as basic unit of natural resource management, China 419–20
protection and, Netherlands 570
see also villages
rural development
Local Government and, Ministry of (MLGRD) (Ghana) 503, 504
Ministry of (India) 238
see also development
rural society
see also civil society
Russia
acronyms 301–2
China and 432
institutions see institutions, Russia
protection agency diffusion 625
RWI (Germany) 209
Sabatini, Francisco 384
Saint-Clair dos Santos, Honorato 72
Salmon, Pierre 10, 457
Salmons, Roger 611
Sanchez, José Miguel 374
sanctuaries see national parks
Sankar, U. 251, 252
Savage, David G. 325
SAVE programmes (EU) 159–60
Sax, Joseph L. 322, 323
Sbragia, Alberta 142, 145, 146, 149, 157, 161
scale
local management problem, Denmark 448
Scheierling, Susanne M. 174
Schelling, Thomas C. 344
Schlicht, Anja 631
Schön, Donald 142
Schöne, Floran 196
Schout, Adriaan 143
Schreurs, Miranda A. 215
Schröder, Winfried 203
Schultze, Charles L. 453
Science
information, public demand and, France 458
institutions in Germany and 190
policymaking and, Canada 87
see also research; technology
Scruggs, Lyle A. 438
Sekher, Madhushree 247
SEPA (State Environmental Protection Administration) (China)
decentralisation and 433
accountability 425
assignment 410
contractual arrangements 432
environmental protection
apparatus 407, 408
institutes and think-tanks 415
interconnections 426, 427
local governance 417
mandates 411–14
scientific expertise in decision-making process 430, 431
UNCED influence on institutions 406
see also protection
Sepúlveda, Claudia 374, 384
Services
charges, Russia 291–3
shared, coordination and initiative in, France 468–9
subsidies and payments for, Germany 196
see also public services
Sewage
Canada 91–2
Denmark 444, 448
France 491
Ghana 510
Russia 292
see also waste; water pollution
Shao, Wenjie 419
Shevchuk, A.V. 280
Shogren, Jason F. 8–9, 331, 333, 351
Sigman, Hilary 314
Silva, Andréa Leme 70
Silva, Eduardo 367, 381, 382
Simpson, R. David 333, 336
Singh, Nirvikar 224, 242, 243
Siviero, Simone de Oliveira 58
Skogstad, Grace 79–80, 86
Small, Stephen J. 337
Smith, Stephen 12–13, 606
SNRD (Ghana) 497, 498
Sobreira de Moura, Alexandrina 58
Society see civil society; rural society
Soil
erosion accelerated, Ethiopia 118
protection policy, Ghana 507
sustainable development and, Chile 378–9
see also natural resources
Soil Pollution
agricultural, Netherlands 565–8
institutional problems and challenges and, Germany 212
policy content, EU 154–6
see also agriculture; pollution control
Souza, Elaine Castelo Branco 60, 63, 69
Standards
Ambient Air Quality, National (NAAQS) (USA) 316, 338, 339
Chile 365–6
China 398
EU (EMAS) 160–61, 202, 544–5, 564
Germany 442
India 252–4
Russia 265–7
see also audit and scrutiny
State Council (China)
decentralisation and 401, 403, 404–5, 433
accountability 424
assignment 408–10
institutional structure 407
interconnections 426, 427
local governments 416
UNCED influence on institutions 406
see also central government
Statistics see information
State government see local government
Stavins, Robert N. 321, 333
Stitzel, Michael 174
Stovpivskaya, Aliona 8
strategic environmental assessment (SEA)
Ghana Poverty Reduction Strategy, on 517
regulation and policy tools and, Italy 543
see also environmental impact assessment
subcentral government see local government
subsidies see fiscal instruments
successes see achievements
suits see litigation
supply
policy see policy, supply
Supreme Court (India)
policy effectiveness and 259
centralisation and decentralisation 229, 231
ground water 244
judicial intervention 237, 250
PIL 254–5, 256, 257–8
standards determination 253
see also courts
sustainable development
Brazilian Business Council for (CEBDS) 68
Canada 87
Chile 9, 359, 374–80
CONAMA (National Commission on Environment) 381–2
decentralisation 359–62, 383–7
Environmental Framework Law 1994 364
governance, critical review 380–81, 389
institutions 366–7
instruments and norms 364–6
international agreements 372–3
legislation 362–4, 387–9
monitoring and control tasks, inefficiencies in 382–3
municipalities, environmental tasks of 367–9
powers, decentralisation of 369–71
protection, civil society role in 371–2
China 421–2, 426
Commission (Italy) 529
Commission of Policies for (Brazil) 71
Commissioner for the Environment and (Canada) 81, 89
Council for (Germany) 182
decentralisation and, China see decentralisation, China
Denmark 438
Environmental Strategy for (Italy) 535, 544
House of Commons Standing Committee on the Environment and (Canada) 80–81, 97
Inter-Ministerial Commission for (CIDES) (Brazil) 71
Italy 525
Netherlands 558
planning for, Italy 535–7
policy integration and, Germany 214
policymaking integration and 631–2
World Summit (Johannesburg) 425, 535, 622
Swanson, Darren 631
Szarka, Joseph 467, 478, 479
Tamborra, Marialuisa 547
Tax Reform Committee (India) 251
taxes see fiscal instruments
Taylor, Stuart Jr. 324
Tear, Timothy H. 318
Technical Chamber for Environmental Control (Brazil) 56
technology
change, institutional rigidity and, Denmark 452–4
Indian Institute of 248
sanitation, São Paulo State Company of Basic (CETESB) (Brazil) 53–4
see also research; science
Tegene, Abeyehu 337
Terry, S. 324
They, Jacques 477
threatened species see wildlife
Tocqueville, Alexis de 457
Töpfer, Klaus 179
Torras, Mariano 51
toxic substances see hazardous substances
tradable permits see quantity instruments
trade
Free, Agreement (Canada/Chile) 387–8
provisions in multilateral agreements 429
water rights, national market for, Australia 42
see also international trade; market
Trade and Industry Department (DTI) (UK) 588
transport
Canada 90
Department (DfT) (UK) 586, 588, 601
Germany 198
Italy 539–40
surface, Ministry of (MoST) (India) 249
Transport, Public Works and Water Management Ministry (V&W) (Netherlands) 560, 562, 572, 573
tribunals see courts
Tripp, James T.B. 334
Tucci, Carlos E.M. 69
UBA (Federal Environmental Agency) (Germany)
institutional change in policymaking 176
institutional set-up and main actors 182, 184, 186, 189
policy tools 195, 196, 198, 203, 204
see also environment, Agencies
UK
EPA (Environmental Protection Agency) 625
modernisation and market-based instruments and 619
policymaking see policymaking, UK
policymaking integration with other policy sectors and 631, 632
privatisations 623–4
see also EU
see also Conferences
UNCED (United Nations Conference on Environment and Development) 372, 405–6, 471, 622, 631
see also Agenda 21; Conferences
undertakings
contractual see contracts
UNDP (United Nations Development Programme) 123, 398, 419, 423
UNECE (United Nations Economic Commission for Europe) 152, 161
UNEP (United Nations Environment Programme) 123
UNESCO (United Nations Educational Scientific and Cultural Organization) 270
urban areas
environmental deterioration in, Ethiopia 119
local government powers and, France 466, 467
waste policy and, Ghana 508
see also noise pollution
US Geological Survey 313
USA
Canadian policy formulation and 87–8
governance see governance, USA
judicial role 627, 628
modernisation and market-based instruments and 619, 620
voluntary agreements 620
see also EPA (Environmental Protection Agency) 609, 624–5, 626
Valdés de Ferari, S, 34
Valenzuela, Eduardo 377, 386
Valenzuela Barros, J.P. 362
Valiante, Marcia 5
Valleys Development Authority (Ethiopia) 122
Van den Top, Marleen 571
Van der Windt, Henny 568, 569
Van der Zouwen, Mariëlle 571
Van Koppen, C.S.A. 568, 569, 570
Van Loosbroek, R.G.M. 564
Brazil 68–9
Canada 90
Chile 375–7
Ethiopia 134–6
France 491
Germany 198
Ghana 507–8, 510
ground, India 244–5
Head Office (DGA) (Chile) 375
India 224–5, 227, 228, 229, 238–47
Italy 540–41
National Agency (ANA) (Brazil) 68
National Development Agency (NWDA) (India) 243
National Initiative (Australia) 41
National Quality Management Strategy (NWQMS) (Australia) 44
National Resources Council
Brazil 68
India (NWRC) 243
privatisation 623–4
Resources Commission (WRC)
(Ghana) 507–8, 512–13
Resources Development Ministry (Ethiopia) 135
Resources Ministry
Ethiopia (MOWR) 122, 132
India 238–9, 246
see also irrigation; natural resources; rivers
Russia 276–7, 292
Services, Office of (OFWAT) (UK) 603–4, 624
see also natural resources
Water Mines and Energy Bureaux (Ethiopia) 135, 137
water pollution
Australia 44
Denmark 446
EU 153–4
Germany 212
Ghana 509
India 248
Russia 290–91
see also pollution control; sewage
watershed
District Advisory Committee (India) 240

Albert Breton, Giorgio Brosio, Silvana Dalmazzone and Giovanna Garrone - 9781847209917
Downloaded from Elgar Online at 05/13/2019 07:13:05PM
via free access
Integrated Development Programme (India) 247
Mekong River Management Committee (China) 431–2
responsibilities devolved and, China 420–21
Watts, N.S.J. 150
Weale, Albert
capacity problem and modernisation in Denmark and 451
governance in EU and 141, 144, 148, 150, 167
Webb, Steven 606
Weidner, Helmut
institutions in Germany and 173
evaluation 205
institutional change in policymaking 174, 176, 178, 179, 181
institutional set-up and main actors 185, 186, 188, 189, 190
policy tools 192, 194, 196, 198, 200, 201
management capacities and constraints in Denmark and 454
Weingarten, Peter 181, 185, 186, 194, 196
Westin, Richard A. 330
wetlands
Ghana 510
Russia 272–3
White, Ben 331, 333
Wiebe, Keith 337
Wiering, Mark A. 12, 566, 574
Wilcove, David S. 349
Wildawsky, A. 442
wildlife
Australia 33–4
Ghana 507, 509–10
India 225
Protection Support Programme (Ethiopia) 130–31
William, Bridget 419, 421
Wilson, James Q. 572
Wilson, Jeremy 84, 85
Winfield, Mark S. 80
Wolff, George T. 339
World Bank
conservation and economic growth in Brazil and 67
decentralisation and sustainability in China and 400, 414, 417, 418, 422
institutions in Germany and 173, 195
see also banks
World Economic Forum 205, 206
Wright, Vincent 448
WTO (World Trade Organization) 157, 161, 398, 400, 401, 428
Wu, Changhua 9
Wurzel, K.W.
EU governance and 153
institutions in Germany and 173, 215
informational devices 201, 202
institutional change in policymaking 178, 179, 180, 181, 182
institutional set-up and main actors 185, 186, 187, 188
market-based instruments 197
media-centred approach 195
policy tools generally 194
service subsidies and payments 196, 199
voluntary agreements 200, 201
Wurzel, Rüdiger 147, 153, 158, 159, 160, 161
Xu, Jiancu 419, 420, 421
Yale Center for Environmental Law 17, 26–8, 29, 377, 378
Young, L. R. 324
Zeidler, Jon T. 324
Zerle, Peter 199, 201
ZEW (Germany) 209
Zhao, Libo 400
Zimmermann, Melanie 7
Zito, Anthony
governance in EU and 6, 143, 144
institutional and ideational setting 145, 146, 148, 151
policy content 152, 155, 156
policy instruments 158, 159, 160, 161
Zittel, Thomas 199
Zuo, Ting 419, 420, 421