

Index

- Aalborg Chapter 9
Aarhus Convention 123
accountability 70–71, 75–7, 87, 196
active cooperation 294
adequacy issues 296–7
'Administrative Mode', Netherlands 216
administrative responsibility, Spanish strategy 150–52
advisory committees 50, 173
Advisory Council for the Environment (ACE) 131, 148, 150, 155
Advocacy Coalition Framework (ACF) 12, 334, 337, 338–9, 341
Africa 269
Agenda 21
 adherence to 271
 economic conditionality 269
 implementation 50, 255, 348
 modes of development 15
 objectives 162, 195–6, 203, 232, 240, 264–7, 351
 socio-economic impacts 18
 see also Local Agenda 21
aggregation criteria, integrated policies 200–201
agriculture 306
 see also Common Agricultural Policy 79
Aguilar Fernández, Susana 23, 323–4, 326, 328, 331–2, 351
Air Protection Law (1972), Spain 128
aluminium industry 222–3, 228, 230, 232, 234–41
American approach to sustainable development 55
Amsterdam Treaty (1997) 64–5, 67–8, 76, 79, 133
Anglo-American contexts 54–6
Annual Environmental Programme (VROM) 113
Association of Municipalities (VNG), Netherlands 110
Association of Provinces (IPO), Netherlands 110
Association of Water Boards (UvW), Netherlands 110
asymmetric power relationships 251–2, 258
Australia 51
Austria 264
automobiles 229, 237–8, 239, 240–41
Aznar, José María 132, 145
Barcelona Summit (2002) 65, 121, 123, 132
bargaining alliances 118, 129, 136
Basque nationalists 147
benchmark covenants 306
Berlin School 101
Berntsen, Thorbjørn 328
best practice 86, 255, 270–71, 275
bilateral
 coercion 248, 264
 imposition 270–71
biodiversity assets, protection of 129
Bomberg, Elizabeth 22–3, 255, 329–30, 341, 351
Bonn Summit (2001) 83
bottom-up
 analysts 48–9
 tradition 296
Bressers, Hans T.A. 25–6, 331
broad participation 143–5
Brundtland Commission 20, 33, 264, 324
Brundtland Report *see Our Common Future*
Brussels Summit (2003) 120
Bush, George W. 83
business groups
 lobbying 75–6
 Sweden 104–5

- business, role in sustainable
 - development 182, 221–3, 240–41
 - achieving co-efficiency 225–8
 - compensation for ‘above normal’ demands 300–302
 - corporate environment strategies 230–32
 - need for decoupling 228–30
 - Norsk Hydro 235–9
 - scenarios of business as usual 223–5
 - voluntary agreements 232–5
- Canada
 - COMSPUS Project 212–13
 - institutional design 51
 - policy integration 208, 212–13, 215, 329, 348
- Canadian Environmental Assessment Agency (CEAA) 212–13
- Canadian Green Plan 264, 275
- carbon dioxide (CO₂) emissions 203, 222, 229, 233–5, 239
- Cardiff Summit (1998) 64–5, 79, 118, 132, 196–7, 210
- Central and Eastern Europe (CEE) 128–9, 270, 271
- central authority, strategic integration 209
- Changing Course* 226
- Chernobyl accident (1986) 262
- citizen
 - advisory panels/juries 173–4, 187
 - interests 133, 143
 - microcosms 177, 181, 184
 - participation/citizenship 136–45, 162, 169–71, 172–5, 179–86
- clean technology strategy 230–32
- Climate Commission, Sweden 104–5, 108
- Climate Convention (1992) 232, 233
- coercive isomorphism 258
- cognitive challenges 285
- Cohen, Carl 4, 353
- coherence 215
- collective action problem 44
- Collier, Ute 199–200
- Commission on Sustainable Development (UNCSD)
 - challenges posed by 330
 - as conceptual core 13, 15
 - implementation research 333, 336, 339
 - monitoring role 194–5
 - setting-up of 247, 266
 - as stages approach 8–9
 - status reports 255
- Commissioner for the Environment and Sustainable Development (CESD), Canada 209, 212–13
- commitment 326–8
- Committee of Permanent Representatives (COREPER) 75
- Common Agricultural Policy (CAP) 79, 208
- common interest 142
- communication 291–2
 - channels of 254–5
- community participation 143, 162, 169–71, 177–86
- community-centred approach 181–2, 184
 - challenges of 178–9
- compartmentalisation 109
- compensation for ‘above normal’ demands 300–302
- complexity
 - in decision-making 174
 - problems of 290–91
- comprehensiveness criteria, policy integration 200–201
- concept and policy commitment 33–6
 - cross-sectional and longitudinal studies 39–40
 - implementation research 36–8
 - meta-policies 38
 - outside-in challenge/policies 38–9, 41–4
 - top-down/bottom-up distinction 40–41
- conceptual core, establishment of 13–15
- concessions 292
- Conference of Environment Ministers (UMK), Germany 212
- Conference on Environment and Development (UNCED) 15–20, 311
 - decoupling 216
 - governance issues 136
 - integration issues 208–9

- leadership issues 326
- objectives 354
- outside-inside challenges 324
- priorities of 203, 265
- conflict of interests 200, 209, 297
- 'consensual' school of ethics 194
- consensual steering devices 312
- consensus-building processes 48, 82, 117, 156
- consequentialist justification for participation 165
- consistency criteria, policy integration 200–201
- constituencies, types of 142–3
- constructive cooperation 297
- consultation 172–3, 177, 179–80, 187
- Contextual Interaction Theory (CIT) 25–6
 - contingency/complexity problems 290–91
 - core variables 291–2, 324
 - degree of adequate application 295–7, 313–15
 - discretion of implementing authorities 299–300
 - aspects of implementation 292–3
 - implementation processes 309
 - interaction processes 289–90
 - likelihood of application 293–4, 312–13
 - need for deductive approach 288–9
 - policy instruments 331
 - theoretical focus on policy implementation 287–8
 - types of interaction 294–5, 297–9
- contingency, problems of 290–91
- convergence 249
- cooperation 294, 297
- cooperative steering 80–81
- coordinated responses/targets 83
- coordination, open method of 86–7
- core
 - circumstances 290–91
 - variables 291–2, 296–7
- corporate environmental strategies 230–32
- corporatist states 117
- cost-effectiveness 78
- Council for Sustainable Development, Germany 212
- country-tailored territorial planning schemes 129
- covenants 113, 292, 305, 306–9
 - follow-up negotiations in 310–11
- cradle to grave strategy 230–32, 233, 236, 240
- cross-community collaboration 179
- cross-cutting policies 35
- cross-national diffusion 248, 249, 252–4, 266, 275
- cross-sectional studies 39–40
- cumulative knowledge on implementation 289
- customised implementation, Netherlands 113
- D'Estaing, Giscard 67
- Dahl, Robert 22, 353
- Danish Action Plan for Environment and Development (1988) 262
- 'Danish Bottles Case' (1988) 76
- data, use of 195
- Debating Governance* 343
- decentralization in policy systems 49–50
- decision premises 201
- decision-making
 - application of knowledge 167
 - reforms of 34
- decoupling
 - call for 225
 - challenge of 133
 - developed countries 163
 - need for 222–3, 227–30
 - realization of 239
 - use of 235
- deductive implementation theory 288–9
- DeLeon, Peter 8
- deliberate processes, uncertain outcome of 142
- deliberative microcosms 173–4
- democracy 4–5, 345–6
 - models of 1–3
 - and sustainability 108–9
- democratic deficit, European Union 118
- democratic politics
 - participation trap 141–5
 - tensions with 134–40
- democratic self-binding 108
- Denmark 210

- developing countries
 - national action plans and strategies 269–73
 - need for decoupling 163
- development assistance 249
 - conditionality in 251, 258
- development policies, link to
 - environmental objectives 84
- differentiated targets 82–4
- diffusion 252–7, 260–69
- discretion, role of 299–300, 301
- domestic policies 43, 74
 - influence of international agenda 247–9
- domestically formulated policy
 - framework 195
- Dow Chemicals 226
- dynamic systems models 52

- Earth Summit plus 5 (1997) 266
- eco-audits 84
- eco-cycle adaptation 96–7
- eco-design of products 231
- eco-effectiveness 235, 237–8, 240
- eco-efficiency 221–3, 225–30, 231–2, 237, 239–41
- eco-labelling 85
- eco-modernization 15
- eco-systems 228
- ecological and political time scales 95–6
 - reconciliation of 96–8
- ecological component of sustainable development 193
- ecological democracy 2
- Ecologistas en Acci3 2
- suseconomic
 - competition 253–4
 - conditionality 269–73, 276
 - discourse, Spain 132–3
- Economic and Social Council (CES), Spain 147, 148
- Economic Commission for Europe (UNECE) 270
- economic component of sustainable development 193
- economic governance 62–3, 66–8
 - European Union 86, 89
 - shift from 80
- economic instruments, implementation of
 - compensating business 300–302
 - implementation of effluent charges 302–4
 - Sweden 106
- economic policies, Western democracies 203
- educational steering 85–7
- effluent charges, implementation of 302–3
- electoral absenteeism 142
- elite participants 184–5
- Elkem 236–7
- emission
 - quotas 154
 - standards, lowering of 254
- end-of-pipe
 - solutions 228–9
 - waste treatment equipment 237
- energy
 - efficiency, Netherlands 111
 - policies 202
 - taxation 85, 113, 121
 - usage, European Union 120–21
- Enschede, explosion at 284
- entitlement justification for participation 165
- environment-centred approach to policy-making 202
- environmental
 - constraints 163–4
 - covenants 176–7
 - deficit, Spain 131–2
 - disasters 260–62
 - efficiency 77
 - indicators, European Union 87
 - mediation 175–6
 - privilege 207
 - problems, characteristics of 164
 - risks 168
 - standards, weakening of 254
 - taxation 300
 - values, diffusion of 42
 - watchdogs 75, 141
- Environmental Action Programmes (EAPs) 64–5, 72–3, 262–4, 265–6, 270–71, 305
- environmental component of sustainable development 193
- environmental decision-making, development of
 - participation 168–71

- environmental degradation 199
- environmental governance
 - European Union 62
 - need for 133–4
- environmental groups
 - and holistic indicators 87
 - knowledge of 182
 - lobbying 77, 79
 - problems of 178
 - Spain 145, 148, 151–2, 153
 - Sweden 104–5
 - as watchdogs 141
- Environmental Index (DUX), Germany 212
- Environmental Management Act (EMA) (1993), Netherlands 110, 214
- Environmental Management and Auditing Schemes (EMAS) 107
- environmental management systems (EMS) 227–8
- environmental objectives 201–2
- Environmental Objectives Council, Sweden 107–8
- environmental policy integration (EPI) 198–202, 209–10, 214, 216
 - dimensions of 204–5
 - horizontal integration (HEPI) 206–8
 - as a question of priorities 202–4
 - vertical integration (VEPI) 205–6
- environmental policy plans 259–67, 273–5
- epistemic communities 255
 - role in policy-making 48
- Europe
 - aluminium industry 238
 - consensual steering devices 312
 - de-forestation 260–62
 - policy responses 50–51, 55, 262, 265–6, 334
 - social science 342
 - see also* Austria; Central and Eastern Europe, Denmark; France; Germany; Ireland; Italy; Latvia; Netherlands; Norway; Portugal; Spain; Sweden; UK
- European Aluminium Association 238
- European Commission 69, 71–3, 79, 326
 - ‘Prodi-Group’ 206
 - Synthesis Report 121
 - White Papers 75
- European Convention 348, 350
- European Council 70–71, 78, 79–80, 119, 122, 124
 - Barcelona (2002) 65, 121, 123, 132
 - Bonn (2001) 83
 - Brussels (2003) 120
 - Cardiff (1998) 64–5, 79, 118, 132, 196–7, 210
 - Gothenburg (2001) 66, 74, 84, 118–19, 120, 132, 194, 197
 - Helsinki (1999) 64–5, 118
 - Lisbon (2000) 65, 66, 86, 87, 118, 123
 - Luxembourg (1997) 196
 - reform of voting procedures 129
 - Seville (2002) 65, 66
 - The Hague (2000) 83
- European Council of Finance Ministers (ECOFIN) 119–21
- European Council of Ministers 69, 74–5, 78, 79, 118, 122
- European Court of Justice (ECJ) 76, 77, 132, 251
- European Environmental Agency (EEA) 76–79, 84, 87, 121, 354–5
- European Environmental Bureau (EEB) 77
- European Parliament 75–6
- European Union
 - approach to participation 141
 - assessment of governance 88–90
 - benchmarking 255
 - challenges to 351
 - climate policy 288
 - Committees of Permanent Representatives (COREPER) 75, 79
 - democratic deficit in 118
 - DG (Directorate General)
 - Environment 71–2, 79
 - employment rates 155
 - enlargement 129, 251
 - Environment Council 68, 74
 - Environmental Action Programme (1992)
 - evolution of sustainable development 64–8
 - external coordination 82–4
 - Framework Directives 910540921124

- Future of Europe convention (2002)
 67
 General Affairs Council 74
 interface with Spain 324
 influence of 326
 Intergovernmental Conference (2003)
 67
 internal coordination 81–2
 and Kyoto Protocol 233–4
 multilevel coordination 80–81
 non-regulatory tools and soft
 convergence 84–5
 policies 8, 130, 224–5
 policy integration 202–3, 206, 329
 policy learning 85–7
 principles and policy 68–80
 research policy 224–5
 role in sustainable development
 22–3, 336, 345, 348
 and sectoral integration 196–8
 strategic research 354
 Structural Funds 208
see also Common Agricultural
 Policy; Local Agenda 21;
 Maastricht Treaty; Network on
 Implementation and Enforcement
 of Environmental Law; Single
 European Act; Sustainable
 Development Strategy; Treaty of
 European Union; Treaty of Rome
- European Union strategies
 deadlines and specifics 118–19
 increasing integration 118
 institutionalising intent and
 evaluation effects 119–21
 prospects and problems 121–3
 Europeanization, literature on 256–7
 eutrophication objective 108, 111, 114
 ‘Executive Mode’, Germany 215–16
 expressivist justifications for
 participation 165
- external
 circumstances 290–91
 coordination 82–4
 imposition 258, 270
 extra-democratic mandate 204
- Federation of Municipalities and
 Provinces (FSMP), Spain 147–8,
 155
- finance base
 Netherlands 109–10
 Spain 128
 Sweden 107, 115
 financial benefits of preventing pollution
 225–6
 ‘first mover advantage’ 254
 flexibility in policy systems 49–50
 follow-up negotiations, covenants
 310–11
 forced cooperation 294
 formal
 discretion 299
 power 294
 France 266, 303
 free-riding strategies 142
 Friends of the Earth 265
 functional gains of participation 154
- General Directorate of the Environment
 (DGMA), Spain 152
 General Secretariat for the Environment
 (GSE), Spain 151–2
 generational
 equity 14
 objectives 105–6
 Germany 215, 265, 323
 COMPSUS Project 212
 de-forestation 260–62
 integrative steering 329
 policy responses 51
- global
 agreements 81
 equity 14
 Global Ecolabeling Network 255
 global governance mechanisms
 248–9
 harmonization 249–51
 imposition 251–2
 policy diffusion 252–7
 global warming, causes of 222
 go-it-alone approaches 55
 Gothenburg Summit (2001) 66, 74, 84,
 118–19, 120, 132, 194, 197
 governance 5–7, 162–7
 angle on 342–3
 challenges for 21–2
 European Union 121–3
 improvement in 343–5

- governance by diffusion 246, 273–6
 global spread of strategies 259–73
 international norm for national
 implementation 247–8
 mechanisms of global governance
 248–57
 typology of governance mechanisms
 257–9
- Governance for Sustainable
 Development* (OECD) 343–4
- Governance for Sustainable
 Development (SUSGOV) 2–3,
 7–8, 12–13, 319–20, 323–4,
 328–30
- governance mechanisms 257–9
- governance, form and function in 1–3
 ‘differentness’ of sustainable
 development 12–22
 overview 22–6
 rational democratic governance 3–12
- government
 authority of 98
 elections 95–6
 influence on target groups 290
 role in decision-making 187–8
- government practice, external standard
 for adapting 197
- Governmental Commission for
 Economic Affairs (GCEA),
 Spain 150
- grassroots movements 178
- green consumerism strategy 230–32,
 237
- ‘Green Minister’ initiative, Germany
 212
- green movement, Spain 128
- Green Party 74
- green plans *see* environmental policy
 plans
- green taxes
 Netherlands 110
 Sweden 107
- ‘green troika’ 129
- greenhouse gas (GHG) emissions 184,
 193, 222–3, 227, 232–5, 238,
 240–41
- ‘greening’ 205
 of industry 232, 235
- Greenpeace 149
- group participation 175–7, 179–86
- ‘group think’ risk of 48
- group-based participation approaches
 180–82, 184
- Habitat programme (UN) 13
- hard conditionality 275–6
- harmonization 249–51, 260–69, 275
- Helsinki Summit (1999) 64–5, 118
- holistic
 environmental indicators 87
 programmes 20, 350–52
- horizontal coordination 82
- horizontal environmental policy
 integration (HEPI) 206–8,
 215, 326, 329
- Hungary 267
- Hydro Aluminium 238–9
- ICC ‘Business Charter’ 226
- ideational vs institutional theories 12,
 337–40
- idiosyncratic events 42
- impact assessments 195
- implementation 7–8, 311–12
 adequate application 295–7
 an understanding of 286–7
 aspects of 292
 core variables 291–2
 covenants 310–11
 deductive approach 288–9
 ideational vs institutional theories 12
 initial application of instruments 293
 as a key condition 284–6
 logic of ‘stages’ 8–9
 negotiated agreements 306–9
 processual nature of 47
 research 22
 theoretical focus 287–8
 theory 299–300
 top-down vs bottom-up 9–12
 understanding of processes 311
- implementation research and governance
 54–6
 relevance for sustainable
 development 36–8
- implementation theory 44–5, 286–9,
 333–4
- ideas vs institutions 337–40
- institutional arrangements 48–53
- interdependence with task 133–4, 170

- learning processes and uncertainty
 - 45–8
 - social learning 340–42
- implementers 98–100
 - motivation of 299–300, 302
- implementing authorities
 - discretion of 299–300
 - motivation of 309
- implicated parties, deliberative
 - engagement with 166–7
- imposition 251–2, 269–73
- incentives 110, 291–2, 296
- incremental
 - decision-making 43, 46
 - technological changes 229
- Indicative Multi-Year Programme for Environment (1984–89), Sweden 109
- industrial
 - metabolism 228
 - pollution-control issues, European Union 128–9
 - transformation, European Union 224–5
- industrialized countries, development of
 - strategies 260–69, 271–3
- industry federations, influence of 78
- informal
 - discretion 299
 - power 294
- information
 - to apply policy instruments 293–4, 301–4
 - of companies 309
 - as core variable 291–2
 - gathering and sharing 42–3
 - of target groups 310
- Innovation in Environmental Governance (IEG) project 337, 339, 340
- Institute for the Conservation of Nature (Icona) 151–2
- institutional
 - implications of policy commitment 35–6
 - isomorphism 258
 - mechanisms 328–31
 - participation, Spanish strategy 146–50
- Institutional Analysis and Development (IAD) framework 12, 334–5, 337, 341
- institutional arrangements 48–51
 - for participatory learning 51–3
- institutional reforms for vertical policy integration 205–6
- institutionalised peer-review 255
- institutionally thick environments 253
- institutions, division of 79–80
- Instrumentation Theory *see* Contextual Interaction Theory
- Integrated Environmental and Economic Accounting (IEEA) 196
- integrated life-cycle management, Netherlands 111
- integration
 - Europe 118, 122–3, 124
 - objectives 76–7, 79
- inter-generational
 - justice 73
 - time horizon 96–7, 105
- inter-governmental
 - bargaining 82
 - networks 255
- Inter-ministerial Commission for Sustainable Development, Spain 155
- interaction
 - processes 289–90
 - types of 294–5, 297, 312–15
- interactive modes of policy-making 286–7
- interest groups
 - political games of 136
 - Spain 130, 131, 152, 155
- interests, representation of 166
- Intergovernmental Panel in Climate Change (IPCC) 163
- international agreements 39, 41–4
- International Convention on Climate Change* (UN) 18
- International Council for Local Environmental Initiatives (ICLEI) 348
- International Development Assistance (IDA) 269–70
- international institutions
 - learning in 49
 - policy diffusion in 255, 256
- International Monetary Fund (IMF) 258

- International Network of Green Planners(INGP) 255, 265, 275
- international norms for national implementation 247–8
- International Panel on Climate Change (IPCC) 193
- International Union for the Conservation of Nature (IUCN) 270
- intra-agency collaboration 60
- intra-ministerial ‘fusion’ 214
- Ireland 264
- issue-specific networks 255
- Italy 303
- Jänicke, Martin 256
- Johannesburg World Summit on Sustainable Development (WSSD) (2002) 66–7, 78, 83, 106, 149, 213, 240, 255, 266, 273, 323, 353
- joint learning 294
- Jordan, Andrew 337
- Jørgens, Helge 25, 326, 340, 351
- key concepts of sustainable development 191–3
- knowledge in decision-making 167
- knowledge management 332–3
- Kyoto Protocol 83, 120–21, 154, 232, 233–4, 332
- Lafferty, William M. 24, 329, 351
- Latin America 269
- Latvia 264
- Leaders Forum on Sustainable Development (2000), Canada 213
- leadership 326–8
- learning in international institutions 49
- learning processes 45–8, 51–3
- legal standard-setting 258
- legislation
- breaches of 132, 141
 - Spain 128–9
- legitimation devices 143, 146, 150, 152
- Lesotho 269
- liberal-pluralist democracy (LPD) 347, 348–9, 351
- licensing in negotiated agreements 309
- life-cycle aspects of products 236–7
- life-support systems, prospect of damage to 203
- Lisbon Summit (2000) 65, 66, 86, 87, 118, 123
- lobbying
- business groups 75–6
 - environmental groups 77, 79
- local
- development activities 179
 - visioning 183–4
- Local Agenda 21 82, 183–4, 325, 348
- Long-Range Transport of Air Pollutants (LRTAP) 42
- long-term strategies 96–7
- longitudinal studies 39–40
- low-emission energy supply 52–3
- Loy, Frank 83
- Lundqvist, Lennart J. 23, 285–6, 324, 328, 341, 351
- Luxembourg Summit (1997) 196
- Maastricht Treaty 76, 128
- Madagascar 269
- Management by Objectives and Results (MBOR) 23, 124, 324, 330
- core aspects for analysis 101–3
 - Dutch strategy 109–14
 - European Union strategy 118–23
 - general characteristics 98–100
 - key lessons from country cases 114–18
 - political terms and ecological cycles 95–8
 - specific issues 100–101
 - Swedish strategy 103–9
- Manual of Environmental Policy* (IEEP) 197
- marine policy 200
- market
- democracy 1–2
 - liberalism 15
 - steering/tools 84–5
- Matas, Jaume 132
- Mauritius 269
- Maximum Allowable Concentrations (Netherlands) 114
- Meadowcroft, James 23–4, 324–5, 331–2, 341–2, 345
- mechanisms, horizontal policy integration 207–8

- meta-managerial challenges 53
- meta-policies 37–8, 56
- Mexico 267
- mimetic isomorphism 253, 258
- Ministry of Spatial Planning, Housing and the Environment (VROM), Netherlands 110
- Ministry of the Environment (MIMAM), Spain 147–51, 155
- Minnesota Manufacturing and Mining 226
- minority interests 44
- modal implementation studies 38
- monitoring systems 195–6
 - MBOR 98–9, 100–103, 108, 113, 115
- moral arguments 183
- motivation
 - to apply policy instruments 293, 299–300, 309
 - as core variable 291–2
 - of industry 309
 - of target groups 299, 301, 303, 310
- motivation theory 299
- multi-level governance/management, Europe 81, 121–4
- multi-year agreements, Netherlands 114
- multilateral
 - agreements 251
 - cooperation 89
- multinational
 - harmonization 249–51
 - initiatives 39
- multiple scales, problem of 80–81
- mutual benefits and interactions 200
- Myklebust, Egil 236
- Narbona, Cristina 148
- narrow participation 143–5
- national action plans
 - Berlin School 101
 - European Union 86
 - Netherlands 109–18
 - Sweden 103–9, 114–18
- National Agenda 21 Committee report (1996) 103
- National Biodiversity Programme, Spain 152
- National Commissions for Sustainable Development 347
- national coordination 75
- national economic accounts 196
- National Environment Surveillance Network, Sweden 107
 - balancing sustainability and democracy 108–9
 - deadlines and strategy 105–6
 - institutionalising intent and evaluating effects 106–7
 - as Management by Objectives and Results 114–18
 - origins of strategy 103–4
 - political positioning and societal support 104–5
- National Environmental Action Plan (NEAP) 214, 269–71, 275
- National Environmental Outlook* (RIVM) 113
- national environmental policy plans (NEPPs) 23, 209, 213–14
 - deadlines and strategies 110–11
 - institutionalising intent and evaluating effects 111–13
 - as Management by Objectives and Results 114–18
 - origins of new strategy 109
 - performance and prospects 113–14
 - political positioning and societal support 109–10
- national environmental quality objectives (NEQOs)
 - deadlines and strategies 105–6
 - institutionalising intent and evaluating effects 106–7
 - origins of new strategy 103–4
 - political positioning and societal support 104–5
 - prospects and perils 108–9
 - Sweden 101
- National Institute for Public Health and Environmental Protection (RIVM), Netherlands 109, 113, 114
- National Plan of Infrastructures, Spain 149
- national regulations, standardization of 251
- National Round Table on the Environment and the Economy (NRTBE), Canada 82, 82–4, 130, 130

- national strategies 259–60
 - European Union 199–21
- National Strategy for Sustainable Development, Netherlands 213
- national sustainable development strategy (SDS) 208–9
- National Water Plan (NWP), Spain 149, 152
- natural resources 228
- negotiated agreements 113, 292, 305, 306–9
 - follow-up negotiations in 310–11
- negotiated regulations 175–6
- negotiation 297
- neighbourhood groups 178
- Neilson, Poul 83
- Netherlands
 - compensation regulation 300–302
 - COMSUS Project 213–14
 - disaster in 284
 - effluent charges 302–4
 - green planning 50
 - initiatives 25–6, 265, 324, 327
 - integrative steering 329
 - National Environmental Policy Plans (NEPPs) 23, 53, 101, 109–14, 262
 - policy integration 213–14, 216
 - policy responses 50, 51, 267, 275, 286, 287
 - strategies 114–18
 - target group approach 293, 305–11
 - transition management 52–3
- Network on Implementation and Enforcement of Environmental Law (Impel) 86
- New Environmental Policy Instruments (NEPIs) 337, 339
- New Independent States (NIS) 270, 271, 273
- New Political Economy 343
- New Public Management 342
- New Zealand 267
- non-government organizations (NGOs)
 - campaigns 265
 - and covenants 176
 - European Union 68, 77, 123
 - and non-compliance 266
 - Northern countries 353–4
 - and outside-in policies 339–40
 - Sweden 104–5
 - transnational 253, 265
- non-institutional actors 77–8
- non-integration 79
- Nordic Council 19, 348, 354
- normative
 - arguments for participation 162
 - challenges 285
 - dimension of policy 43–4, 54
 - idealistic policy commitment 34–5
 - isomorphism 258
 - long-term programme 20–22, 352–4
- Norsk Hydro 235–9
- North America 204
- North–South relationships 249
- Northern countries 353–4
- Northern Europe 128–9, 130
- Norway
 - aluminium industry 233–9, 240–41
 - political system 51
 - sectoral integration 208, 210, 327–8
 - strategies 353
 - survey 323
- Norwegian Contractors 237
- O’Toole, Laurence J. 22, 286–7, 325, 328, 330, 332–4, 339, 341, 350–51
- Observatory of Sustainability, Spain 155
- obstructive cooperation 297
- operational mechanisms, vertical policy integration 205
- opposition 294
- oppositional strand of community centred tradition 178
- Organisation for Economic Co-operation and Development (OECD)
 - applied science work 319
 - case studies 210–11
 - and decoupling 222, 225
 - and emissions 239
 - Environmental Performance Reviews 265, 275
 - governance challenges 24
 - and governance mechanisms 24, 191–3, 320–50, 353–5
 - and harmonization 260–63, 265–8
 - and implementation theory 329–30, 333, 336–17, 339–40

- and imposition 269–71
- Improving Governance for Sustainable Development seminar (2001) 326
- and participation processes 143, 162
- policy instruments of 5–6, 8
- and policy integration 141, 194–5, 197, 199, 202, 204, 215–16
- and political competition 253–4
- public regulatory agencies in 232–3
- and strategic elements 10–12
- see also Governance for Sustainable Development*
- organized groups, short-term interests of 35, 184–5
- Ostrom, Elinor 12, 334–5, 337, 341
- Our Common Future* 13–14, 109, 194–5, 203–4, 247, 262
- outside-in policies 34, 38–9, 54–6, 80–81
 - challenges of 41–4, 136–7, 247–8
- outside-in programmes 17–18
- package-deal compromises 129
- ‘Parliamentary Mode’, Canada 215
- Parsons, Wayne 335
- participation trap 136–7, 141–5
- participation, environmental decision-making 162–88
- participation, Spain 155–6
- participatory
 - learning 51–3
 - mechanisms 168
- participatory rhetoric vs practice 145–6
 - administrative responsibility 150–52
 - institutional and public 146–50
- participatory traditions and mechanisms 171–2
 - citizenship and citizens 172–5
 - contributions from 179–86
 - local communities 177–9
 - stakeholders and groups 175–7
- passive cooperation 294
- peer-reviews 265
- People’s Home, Sweden 117
- perfluorocarbons (PFCs) 234, 239
- performance indicators, European Union 122
- permit systems 292, 293, 297, 298, 307
- compliance with 309
- sanctions under 304
- Peterson, John 255
- physical sustainability 14
- Pierre, Jon 343
- Plan for Harbours, Spain 149
- policy
 - commitment 33–44
 - coordination 199
 - emulation 252
 - formation 169–70, 288
 - imposition 269–73
 - innovations 254–6
 - insemination 264
 - instruments 5–7
 - outputs 35, 288–9
 - priorities 203–4
 - specificity 45
- policy diffusion 252–4
 - determinants of 254–7
- policy implementation *see* implementation
- policy instruments, classification of 291–2
- policy integration 75
 - as a governing mechanism 191–3, 197
- policy objectives
 - balancing of 209
 - traditional hierarchy of 197–8
- policy systems, openness and learning in 49–50
- policy-making, environment-centred approach 202
- policymakers 98–100
- political
 - commitment 216
 - competition 253
 - conditionality 269–73
 - cultures, European Union 123
 - legitimacy 100, 117, 197
 - positioning 104–5, 109–10
 - will 286–7
- political and ecological time scales 95–6
 - reconciliation of 96–8
- political system, Spain 130–32, 151
- polity ‘bind’ 44
- Polluter Pays Principle 111, 123, 199, 300
- polluters, categories of 304

- Pollution Prevention Pays (3P)
 programme 226
 pollution taxation 84–5
 Popular Party (PP), Spain 140, 147–8,
 150, 152, 154–5
 Portugal 264, 267
 power
 to apply policy instruments 303, 304
 as core variable 291–2
 to dictate policy 251
 distribution of 294
 precautionary principle 45–6, 72–3, 87,
 199
 predictive model 295, 297–9
 price systems, innovative use of 34
 principles, internalisation of 78–80
 problem-specific revenue-generating
 charges 303
 product re-designing 229, 237
 production, upstream/downstream effects
 of 226
 Programme for Research and
 Documentation for a Sustainable
 Society (ProSus) 2, 5–6
 Programme of Action for Sustainable
 Development (UN) 15
 Project on Comparative Implementation
 of Sustainable
 Development (COMPSUS) 208–10
 Canada 212–13
 Germany 212
 Netherlands 213–14
 OECD case studies 210–11
 project-focused processes 179
 ProSus 16
 public authorities, role in participation
 182
 public enquiries 172–3, 177, 180
 Public Management Service (PUMA) 2,
 320
 public participation 50, 100–101
 Spanish strategy 146–50
 Sweden 107
 public values 183
 quality improvement, Netherlands 111
 quality of life 163
 ‘race to the bottom/top’ 254
 Ratio, Rodrigo 132
 rational democratic governance
 democracy and steering 4–5
 governance 5–7
 policy implementation 7–12
 ‘realist’ school of ethical thinking 194
 rebound effect 207, 237–8, 240
 recycling 238, 240–41
 redistributive policies 256
 referendums 173–5, 177, 180, 181, 187
 regime formation, paths to 257–8
 regional coordination 81–2
 Regional Water Directorates, Sweden
 108–9
 regulation
 government role in 48
 move from 5
 regulative policies 256
 regulatory regimes, questioning of
 133–4
 Reitan, Marit 233
 research and development, Norway
 240
 resource efficiency strategy 230–32, 237
 resource management, European Union
 122
 resources, efficient in use 97
 rhetorical discourse 153–5
 Rio Earth Summit (1992)
 agreements 13, 15, 18, 21, 73, 152,
 194–5, 210, 221, 247, 346, 351
 commitments to 3, 54–5
 follow-up to 232, 265–6
 participation in 78, 83
 risk management 47
 Rogers, Everett 252
 Roome, Nigel 223, 224, 230
 Rose, Richard 252
 rules 291–2
 Ruud, Audun 24
 Sabatier, Paul 7–10, 12, 39–40, 334–5,
 337–9, 341–2
 Sabatier—Mazmanian list 9–12, 326,
 327, 355
 sanctions 293, 304
 Schmidheiny, Stephan 226
 scientific experts, role in policy-making
 48
 scientific knowledge 167
 development of 26

- Secretariat of State for Water and Coastal Areas (SSWCA), Spain 150–52
- Sectoral Conference on the Environment (CSM), Spain 147–9, 155
- sectoral negotiated agreements 293
- sectoral objectives 201–2
- sectoral policy integration, mandate for 193–4
- Agenda 21* 195–6
- Brundtland Report 194–5
- European Union 196–8
- Sweden 106–7, 108
- selfish interests 142, 182–3
- semantic openness 14
- SEO/Bird Life 149
- Seville Summit (2002) 65, 66
- Seychelles 269
- short-term decision-making 52–3, 108
- influence of government elections 95–6
- silica 236–7
- Single European Act (1986) 64, 82
- Single European Market 122–3
- social
- change, steering of 165–6, 182
 - cohesion 154–5
 - ignorance 141–2
 - learning 340–42
- social component of sustainable development 193
- social systems, policy diffusion 256
- social values, responsibility for 223–4
- social-psychological motivation theory 299–300
- social-democratic liberalism 15
- Socialist Party (PSOE), Spain 130, 147–9, 153
- societal
- self-binding 96–8
 - learning 167
 - support 104–5, 109–10
- socio-technical transformations 52
- soft
- harmonization, shift towards 266–70
 - instruments 254
 - policy diffusion 257
 - strategies 123
 - targets 87
- Spain
- democratic politics and sustainability 134–45
 - energy taxes 85
 - engaging with sustainable development 129–33
 - need for environmental governance 133–4
 - participatory rhetoric vs practice 145–52
 - rhetorical discourse 153–5
 - strategies 23, 128–33, 155–6, 267, 323–4
- Spanish Strategy for Sustainable Development (SSSD)
- administrative responsibility for 150–52
 - participation in 146–50
- stable blocking alliances 129
- stages approach to policy process of 8–9, 288
- stakeholder participation 40–41, 48, 109, 142–3, 162, 169–71, 175–7, 179–86, 331–2
- stakeholding, definition of 183
- stand-alone instruments 306
- state
- national context of 256–7
 - role in governance 100
- Statistical Office of the European Communities (EUROSTAT) 121
- steering capacity 285–6
- steering mechanisms in governance 4–7
- European Union 89–90
 - external coordination 82–4
 - internal coordination 81–2
 - multilevel coordination 80–81
 - non-regulatory tools/soft convergence 84–5
 - policy learning 85–7
- steering strategies 100
- Stockholm Conference (1972) 226
- Stone, Diane 251
- strategic governance, lessons and objectives 320–22
- commitment and leadership 326–8
 - common understanding of sustainable development 323–6
 - effective stakeholder involvement 331–2

- efficient knowledge management 352–3
- institutional mechanisms for integration 328–31
- strategies
 - global spread of 259–73
 - recognition and development of 88
 - selection of 100–11
- Strategy for Sustainable Development (SSSD), Spain 129, 130, 132–3, 143–56
- structural source-oriented measures, Netherlands 111
- subsidiarity 81–2, 122–3
- subsidies 294, 300
- sulphur emissions, taxes on 84–5
- supranational organizations 251, 336
 - see also* European Union; Organisation for Economic Co-operation and Development; United Nations
- supranational policies 81
- sustainability impact assessment (SIA) 72, 84, 118
- sustainability indicators, Sweden 107
- sustainable development
 - common understanding of 323–6
 - differentness of 286
 - distinctness of 15–17
 - establishing conceptual core 13–15
 - key characteristics and functional challenges 17–22, 68–80, 82, 88–9
 - procedural norms of 72–3
- sustainable development constituencies 141–5
- Sustainable Development Strategies* 344
- Sustainable Development Strategy (SDS) 64–6, 119, 132, 136, 141, 197, 397
- Sustainable Development: Critical Issues* 344
- Sustainable Mobility Project (WBCSD) 229, 237, 239, 240
- Sweden 209, 324, 327, 328, 351
 - policy responses 51
 - pollution taxes 84
 - strategies 23, 103–109, 114–18
- Swedish Environmental Protection Agency (SEPA) 103, 104, 200
- Swedish Environmental Protection Code 106
- Swedish Social Democratic Government 103
- symbolic
 - application 297
 - policy 45, 293
- target group approach
 - implementation of covenants 310–11
 - negotiated agreements and implementation processes 306–9
 - policy 305–6
- target group commitment 286–7
- target groups
 - behavioural alternatives of 295–6
 - cooperation of 214
 - identification of 293–4
 - influence on government 290
 - motivation of 299, 301, 303, 310
 - Netherlands 110–11, 113, 116, 117
 - Sweden of 99–103, 116, 117
- targets, European Union 120–21
- tariff systems 303
- task and theory, independency between 334–7
- taxation
 - energy 85, 121
 - environmental 300
 - Netherlands 110, 113
 - Norway 223
 - pollution 84
 - Sweden 107
- technology policies 34
- The Hague Summit (2000) 83
- thematic integration 214
- theory, need for 286–7
- Tomra 238
- top-down
 - analysts 48–9
 - perspective, Sweden 108
- top-down/bottom-up distinction 9–12, 37–8, 40–41, 289
- tote-board diplomacy 42
- trade, link to environmental objectives 84
- traditional environmental policy 210
- trans-border, supra-national programme 210

- transboundary problems 251
transformative programme 19–20,
348–50
transition management 52–3
transitional countries, national action
plans and strategies 269–73
transnational
advocacy networks 255, 256
communication channels 254–5, 269,
275
policy networks 253
transparency 70–71, 75–7, 196
Treasury Board Secretariat (TBS),
Canada 212–13
Treaty of Rome (1957) 64
Treaty of European Union (1991) 64
Treaty of the European Community
196
Turkey 267
- UK
energy taxes 85
policy responses 51, 266, 355
uncertainty 45–8
Underdal, Arild 200–201
unilateral imposition 249, 251–2
Unit for Territorial Planning, Spain
150–51
unitary political systems 116, 117
United Left (IU), Spain 147
United Nations
approach to eco-efficiency 232
commitment of sustainable
development 191–2, 336
and harmonization 267
and integration 329
policies of 8
scientific bodies in 350
see also Agenda 21; Commission on
Sustainable Development;
Conference on Environment and
Development; Earth Summit plus
5; Habitat programme;
International Convention on
Climate Change; Local Agenda
21; Programme of Action
for Sustainable Development; Rio
Earth Summit
- United Nations Development
Programme (UNDP) 13, 270, 336
- United Nations Environment Programme
(UNEP) 4, 13, 336
United Nations General Assembly 267,
269, 271
United States
and The Hague Summit 83
policy responses 50, 53, 267, 334,
336, 355
University of Oslo 2
upstream/downstream effects of
production 226, 240
- value change management 239
VAW Aluminium AG 235
vertical environmental policy integration
(VEPI) 205–6, 215, 326, 329
voluntary agreements 232–5, 292
Sweden 107, 238
voluntary schemes
European Union 84–5
Netherlands 114
Spain 152
Sweden 108–9
- Walking the Talk* 235
Wallström, Margo 72
Waste Reduction Always Pays (WRAP)
programme 226
water quality objectives
Netherlands 114
Spain 152
Sweden 108–9
Weidner, Helmut 256
Western countries, innovation in 300
Western Europe 200
Western governance model 204, 345
Western model of democracy 1–2, 21
Western priorities for policy-making
203
White Paper on Environmental
Education (1999), Spain 152
working groups 177–8
World Bank 258, 269–71
World Business Council for Sustainable
Development (WBCSD) 19,
221–2, 225–7, 232, 241, 325
see also Sustainable Mobility Project
World Commission on Environment and
Development (WCED) 33, 204,
221, 225, 228, 232

- World Commission on Sustainable Development 13
- World Summit on Sustainable Development (WSSD) 203, 269
see also Johannesburg World Summit
- World Trade Organization (WTO) 73
Doha (2001) 84
- World Wide Fund for Nature 149, 270
- Wuppertal Institute 227
- Young, Oran 257–8

