

Index

- Aarhus Convention
 - access to information
 - charges 105
 - collection and dissemination 109
 - definition of environmental information 102
 - emergencies 110
 - exceptions 102–4, 109
 - IPPC licensing and 375–8
 - presentation 112
 - principle 86, 98, 100–10
 - access to justice 86, 98, 114, 116
 - appeal rights 519
 - IPPC licensing and 378–9
 - standing 118–19, 127–8
- Article 1 98–9
- Article 2 99, 102, 106
- Article 4 101, 103–4, 105
- Article 6 109, 110–11, 112
- Article 7 113
- Article 9 119
- bibliography 134
- definitions
 - public 99, 375
 - public authorities 106
- European Union and 86–7, 127–8
- generally 96–100
- objectives 98–9
- Preamble 97–8
- principles 86, 97–8, 98, 535
- public participation
 - application, planning 537–8
 - generally 86, 98, 110–14
 - interest groups 129, 133
 - international level 131
 - limitations 133–4
 - mechanics 129
- Abbot, Carolyn 133–4, 353–4, 386, 387–8, 415
- Aberfan disaster 323
- absorb and disperse approach 364
- access to information
 - Aarhus Convention 98, 100–10
 - charges 105
 - collection and dissemination 109
 - emergencies 110
 - exceptions 102–4, 109
 - presentation 112
 - definition of environmental information 102
 - environmental assessments 607–8
- EU legislation 102
 - charges 105
 - exceptions 104, 108–9
 - meaning of public authority 106–7
 - presentation 105
 - shift from secrecy 107
- IPPC licensing 375–8
- private parties, from 105, 107
- public participation and 86, 96
- UK pollution control 392
- waste policy 458
- access to justice
 - Aarhus Convention 98, 114, 116, 118–19, 519
 - elements 116
 - generally 114–28
 - IPPC licensing 378–9, 413
 - movement 115
 - planning, appeal rights 519–21
 - public participation and 86
 - remedies 116–18
 - resources 116
 - standing. *See* standing
- accountability
 - Aarhus Convention 98
 - Environment Agency 339, 340

- accountability (*cont.*)
 policy and decision-making xvii
 technical approach 40–2
 acid rain 157
 Ackerman, Frank 39–40
 Adams, William 611–12, 615–16, 693
 ADBHU case 161–2, 171, 178, 632
 administration
 administrative rationalism 417–19
 policy and decision-making xvii
 advisory bodies, UK pollution control 339–40
 aerosols 450
 Agenda 21 220–1, 226, 228, 243
 Agenda 2000 684–5
 agricultural biotechnology *See* GMOs
 agriculture
 See also countryside
 1947 Act 484
 changing practices 680–91
 Common Agricultural Policy
 animal exports 176
 conservation 616
 environmental effects 168
 Environmental Stewardship Scheme
 684–5, 688
 field margins 687–9
 impact on biodiversity 670
 management options 688
 reform 682–5
 set-aside 687–8
 Doha Development Round 268
 elasticity of production 74
 environmental degradation 332–3
 fallow land 688
 GMOs. *See* GMOs
 hedgerows 502, 688, 689–91
 industrialisation 611–12
 intensive agriculture 54, 689
 organic farming 206–7, 348–9
 planning and
 change of use 681–2
 exemption 481, 514, 611
 polluter pays principle and 621
 primacy of interests 673–4
 stewardship 343, 481, 547, 685–7
 subsidies 264–5, 316, 681, 682
 AIDS 269
 air pollution
 Alkali Acts 330–1, 354, 557
 environmental standards 365
 planning control 495–7
 poverty and 239
 Alder, John 556
 alienation 268–9
 Alkali Acts 330–1, 354, 557
 amici curiae 282–3, 301–3, 307–8, 310, 315
 Amsterdam Treaty (1997)
 environmental law development 163–4, 181
 sustainable development 524
 animal experiment 12
 animal export, EU 176
 annual fuel escalator 424–5
 anomie 268–9
 antibiotics 22–6
 appeals
 environmental proceedings 341
 planning 519–21, 535
 wind farms 710
 Aragao, Alexandra 595–6
 areas of outstanding natural beauty 707–9
 Argentina 83, 266
 Aristotle 532
 Arnstein, Sherry 85–6, 530
 arsenic 26–7
 asbestos 273–4, 281–2, 283, 310
 Ashworth, W. 476
 atrazine 78
 Australia
 Australia–Salmon 297
 civil penalties 400–1
 corporate sanctions 395, 399
 publicity orders 399
 Austria, *EC-Biotech* 206–7, 296–300
 autology 50
 Ayres, Ian 391–2

 Bacon, Francis 32, 33
 Baldwin, Robert 380
 Barbier, Edward 34–5, 38–9, 232
 barnacle geese 654–5, 666
 Barnett, Anthony 504, 692
 Barry, Brian 259, 261
 Bartlett, Robert 552
 Barton, Barry 89–90
 BAT 359–62, 366, 367, 368, 370, 373, 377
 bathing water, Spain 408–9
 BATNEEC 356
 battlefields 708
 Bayer 78, 83
 Beck, Ulrich 15
 Beckerman, Wilfred 232–5
 Beckett, Margaret 452
 Beckman, Ludwig 453
 Beddoe, Marcus 718

- Beef Hormones* 282, 287–93, 313, 315
 Beinn an Tuirc 679
 Belgium, Treaty of Paris (1951) 156
Belize Alliance case 116–18, 592–3
 Bell, Derek 340, 388–90, 712–16
 Bell, Stuart 459, 492–3, 528, 626, 669
 Bellamy, David 692
 Bentham, Jeremy 33
 Berkhout, Frans 164–7
 Bernauer, Thomas 61–2
 best available techniques (BAT) 359–62, 366, 367, 368, 370, 373, 377
 best practicable environmental options (BPEO) 356, 357
 biocentrism 66–72
 biodiversity
 bibliography 669, 692–3
 biodiversity action plans 616, 670, 671–3
 Leicestershire and Rutland 688–9
 UK policy 672–3
 UK practice 675
 CEE countries 683
 changing agricultural practices 680–91
 compensatory measures 677–80
 conservation and planning
 integration 673–80
 policy statements 676
 designation and 667
 deterioration 670
 ersatz habitats 680
 EU priority 150
 GMOs and 64, 77–8, 206
 Habitats Directive 634–5
 Johannesburg Summit 238
 meaning 671–2
 Biodiversity Convention
 contents 672
 definition of biodiversity 672
 Habitats Directive and 635
 non-anthropocentric approach 3
 biopharming 65, 73
 biosphere, meaning 54
 birds
 Birds Directive 159, 627–34
 Article 1 628
 Article 2 628
 Article 3 628–9
 Article 4 629
 ECJ case law 630–3
 hierarchy of protection 634
 migratory birds 159
 Natura 2000 665–7
 origins 627
 Preamble 628
 strong sustainability 667
 See also special protection areas
 France 160, 666
 Islay 654–5, 666
 Isle of Lewis 735, 737, 739
 Walland Marsh 658
 bitterns 658
 Black, Julia 84, 419–21, 436–7, 458
 black-throated divers 735
 Blair, Tony 262–3
 Blowers, Andrew 499, 503
 BMT Cordah Ltd 723–6
 Bodansky, Daniel 213
 Bomberg, Elizabeth 145, 146–8, 149
 Bookchin, Murray 10, 50–1
 Bosselman, Fred 562
 Bourneville 471, 472
 boycotts 447
 BPEO 356, 357
 Braithwaite, John 391–2
 BREFs 370–2, 373, 377
 Bregman, Eric 553–5, 572
 Breukers, Sylvia 715
 Brooks, Richard 56, 57
 Brosset, Estelle 210
 Brown, Gordon 262, 424
 Brownsword, Roger 69–70
 Brundtland Report
 aspirations 254–5
 conservation 233
 definition of sustainable development 231, 237, 643
 environmental assessments 560
 international trade 266
 landmark 217, 219–20, 263
 limits to growth 254
 poverty 238, 240
 techniques of sustainable development 236–7
 text 211–12, 236–7
 UK impact 499
 Bryant, Barbara 669
 BSE 15, 41, 332–3
 Bt corn 62
 Bt cotton 62
 Bt maize 68
 Buchan wind farm 711
 building control, history 470–1
 Bunyard, Peter 70

- bureaucracy, administrative rationalism 417–19
- Busch, Lawrence 282–3, 301–3, 310
- Cairngorms 508, 509, 646–7, 651
- Cambridge Water* case 344–7
- Canada 83, 266, 273
- capital
 meaning 231–2
 natural capital 232, 261, 679
- capitalism
 alienation 268
 environment and 140–1
- carbon dioxide emissions
 EU tax proposals 136
 global warming 419
 green taxes 424–5
- Cardiff Bay 679
- Cardiff process 167, 169–70
- Carnwath, Robert 340–1
- Cartagena Protocol on Biosafety 303–6
- Cashman, Liam 550, 593–5
- Cave, Martin 380
- CFCs 12, 20, 450
- Chadwick, Andrew 610
- Chadwick, Edwin 470
- Chain of Being 32–3
- Chalmers, Damian 135–8, 139, 184, 191–2, 198–9, 557–8
- Chamberlain, Andrew 718
- chaos theory 541
- Chernobyl 12, 18–19, 302
- cholera 325
- CITES 275
- citizens' juries 541–2, 716
- citizenship
 corporations 398
 environmental citizenship 214–15, 378, 715
 global citizenship 378
 market citizens 208, 447
 political citizenship 398, 409
 traditional concept 378
 v. consumers 92
- climate change
 causes 419
 effects 27
 EU priority 147, 150
 renewal energy 694, 701
 UK policy 247–8
 UN Framework Convention on Climate Change 699
- Climate Change Convention 699
- Club of Rome 251, 253
- collaborative planning xvii, 530–2, 534–5, 536, 540, 714
- Collingworth, Barry 524–5, 547
- comitology 193–5, 197, 296
- command and control
 administrative rationalism 417–19
 inefficiency 421
 IPPC licensing 352–4, 358
 regulatory technique 417–21
 v. economic instruments 433–4
- common scoters 733, 734
- communications, Habermas theory 532–4, 539
- compensation
 compensatory measures 664–5, 677–80
 NIMBYism and 715–16
 SSSIs 620–1, 626
- compliance
 compliance approaches 387, 390, 398
 corporate behaviour 390–1
 meaning 381
 optimal compliance 381
- confidentiality 103
- conservation areas 708
- conservationists, v. preservationists 10
- consumers
 boycotts 447
 credence goods 448
 eco-labelling 442–3, 448–51
 EU GMO regulation 202–8, 283
 green consumers 446–51
 politicisation 446–7
 v. citizens 92
- contexts, law in xv–xviii, 1, 9–60
- Cook, Kate 673, 692
- Cooper, Alasdair 700, 701
- cooperation, Rio Declaration 222, 223, 224
- Coppel, Philip 134
- corporate liability
 criminology 390–1
 English water pollution 386
 European jurisdictions 414
 sanctions 394–402
 corporate behaviour 398–9
 public authorities 396–7
 publicity effect 398–9
- Corporate Watch 306
- Cosbey, Aaron 271
- cost-benefit analysis
 economic approach to environment 25, 37–40

- Environment Agency 337–8
 limitations 44–5
 objectivity 43–5
 price and value 39–40
 proportionality 25
 Cotgrove, Stephen 5
 countryside
 national parks 484–5
 nature conservation. *See* designation
 planning
 1947 Act 481
 conservation of amenities 481, 482–4
 town/country divide 479–87, 501–2, 611, 621
 Scott Report (1943) 481–4
 voluntary management schemes 482, 612
 Countryside Agency 336, 708, 728
 Countryside Council for Wales 682, 727
 Cowell, Richard 508–9, 510, 539–40, 563, 598, 675, 677–8, 679, 680
 Coyle, Sean 325–6, 351, 686–7
 credence goods 448
 Creutzfeldt-Jakob Disease (CJD) 333
 criminal liability
 alternatives 400–3
 corporate criminology 390–1
 English pollution 382–403
 case law 383–5
 causation 383–5
 corporate offences 386
 discretionary powers 387–94
 fine levels 394–8
 legislation 382–3, 386
 prosecution factors 393–4
 strict liability 385, 386
 European jurisdictions 353, 414
 waste management 454
 Croft, Roger 743–4
 Cross, Frank 21
 cross-border pollution
 EU information exchange 378
 EU justification for regulation 368
 externalities 159, 211
 Cullinan, Cormac 55–6, 693
 Cullingworth, Barry 475–6
 culture, law and xv–xvi
 Curtin, Deane 51–2
 customary international law 415

 Dahl, Robert 115
 Daly, Herman 235–6
 dams 592–3

 dangerous substances, EU Directive 158
 Darwin, Charles 33
 Davies, Anna 538–9
 DDT 20
 de Búrca, Grainne 185
 deep ecology
 autology 50
 critique 49–50
 genetic engineering and 70
 sustainable development and 245
 theories 48–50
 v. social ecology 10, 50, 51
 voluntary simplicity 49
 deforestation
 flooding and 212
 poverty and 240
 Delaney, David 60, 693
 deliberative democracy
 meaning 90–2
 planning and 531
 risk assessment 41–2
 UK GM debate 80
 wind farms and 709
 democracy
 See also public participation
 Aarhus Convention objective 99
 consensus 87–8
 definition 219
 deliberative democracy 41–2, 80, 90–2, 531, 709
 democratic deficit 100, 307–10, 712–16
 European Union 175
 global governance and 307
 liberal democracy 87–8
 problem-solving discourse 93–4
 public opinion and standards 314–15
 regulatory processes and 302–3
 WTO 307–10
 Denbighshire Moors 695
 Denmark
 community-owned wind farms 716
 Danish Bottles case 177–9, 180
 environmental concerns 160
 renewable energy 697, 717
 Dennison, S. R. 481–4
 Descartes, René 32, 33
 desertification 240
 designation
 benefits 615–16
 bibliography 669
 buffer zones 614
 compensation 621, 626

- designation (*cont.*)
- demise of voluntarism 612, 625–6
 - environmentally sensitive areas 683
 - European sites 613
 - appropriate assessments 649–55, 705, 729, 736–9
 - designation process 636–8
 - development 649–55
 - development derogations 661–7
 - economic and political influences 639–47
 - generally 627–77
 - impact 613
 - key directives 627
 - protection regime 624, 647–9
 - renewable energy developments 707–9, 735–42
 - science 638
 - special areas of conservation 634–65
 - special protection areas 627–34
 - See also* Natura 2000
 - feminist perspective 617–18
 - fragmentation 668
 - meaning 614
 - planning impact 613, 615, 622–4, 649–67
 - politics 614
 - post-war legislation 484–7
 - psychological effects 616–17
 - regulatory technique 614–26, 667
 - limitations 667, 668
 - reserve mentality 615–17
 - SSSIs. *See* sites of special scientific interest
 - UK national designations 707–8
 - wind farm developments and 707–9, 735–42
- deterrence approaches 387–8
- Devall, Bill 49
- developing countries
 - common but differentiated responsibilities 241–2
 - debt relief 242
 - free trade and development 264, 267, 269–70
 - Gaia theory 55
 - GMOs and 73
 - Johannesburg Summit and 241–2
 - labour rules and WTO 312
 - NGOs and WTO 308–10
 - pollution havens 270
 - Rio Conference 224–5, 316–17
 - Rio Declaration 222
 - women 51
- development plans
 - access policies 512
 - biodiversity 676
 - history 490–2, 493
 - presumption 524
 - reform 526–8
 - renewable energy 706
 - sustainable development 512, 546
 - use of natural resources 704
 - weight 515
- Dewey, John 93
- DeWitt, John 547
- Dibden Bay 592
- Dillon, Sarah 175–6
- direct effect doctrine 413–14
- diseases
 - industrial revolution 325
 - poverty 269
- distributive justice
 - economic instruments 432–3
 - green taxes 425–8
 - Johannesburg Summit and 241–2
 - sustainable development 234–5, 255, 427
 - UK politics 262–3
- Djeddour, Mohamed 599
- DNA, discovery 61
- Dobson, Andrew 70–2, 214–15, 236, 248–9, 250–4, 258–61, 263, 450, 452–3
- Doha Declaration 267–8
- Doha Development Round 226, 268, 604
- Doherty, Michael 59
- dolphins 280
- Douglas, Mary 67
- drinking water
 - Cambridge Water* case 344–7
 - EU Directive 159
 - Johannesburg Summit and 241
 - South Florida 606–7
 - UK implementation of Directive 408–9
- Dryzek, John 87–8, 91–2, 93–4, 219, 355, 417–19, 433, 434–5
- dunlins 735, 739
- Durham 452–3
- Durkheim, Emile 268
- Durman, Paul 465–7
- Dutch Vitamins* case 180
- Ebbesson, Jonas 134
- EC-Asbestos* 273–4, 283, 310
- eco-audits 442–3
- eco-labelling 442–3, 448–51
- ecofeminism 51–3

- ecological law 55–7
- ecologists *See* environmentalist movement
- economic instruments
- complexity 433
 - critique 432–5
 - distributive justice 425–8, 432–3
 - effectiveness 433
 - emissions trading 428–32
 - generally 421–35
 - green taxes 422–8
 - landfill tax 454–5
 - v. command and control 433–4
- economics
- approach to environmental law 11, 34–40
 - cost-benefit analysis 25, 37–40, 43–5, 337–8
 - environmental assets 34–5
 - EU regulation and 175–6, 368
 - externalities 36
 - GMOs and 65, 79, 82, 204
 - polluter pays principle 36–7
 - price and value 39–40, 236
 - special areas of conservation and 639–47
 - sustainable development and 231–6, 261
 - tragedy of the commons 35–6
- ecotourism 116
- ectopia 51
- Eden, Sally 43
- Eder, Klaus 57
- Edmunds, Rod 351
- Ehrlich, Paul 75
- EIONET 138
- electricity
- Non Fossil Fuel Obligation (NFFO) 699
 - Scottish renewable energy 703
- Elliot, Robert 60
- Elworthy, Sue 351, 618
- EMAS
- critique 442–3
 - Environment Agency and 444–5
 - environmental statements 441
 - EU Regulation 437–8
 - objectives and targets 440
 - participating levels 445
 - participating organisations 438–9
 - procedures 438–40
 - regulatory technique 437–46
 - suspension from register 438
 - use of logo 445
 - voluntary self-organisation 442–3
- emergencies
- access to environmental information 110
 - notification 223
- emissions trading
- allocation methods 431
 - distributive equity 432–3
 - European Union 429–32
 - generally 428–32
 - National Allocation Plan 430–2
- Emmenegger, Susan 2–3, 4, 14, 55, 219
- Emmot, Neil 380
- employment standards, WTO and 312
- end of life vehicles 457
- endangered species 274–80
- energy
- See also* renewable energy
 - state sovereignty 154
 - UK policy 248
- enforcement
- bibliography 415–16
 - compliance approaches 387, 390, 398
 - corporate behaviour 398–9
 - corporate criminology 390–1
 - deterrence approaches 387
 - English pollution control
 - case law 383–5
 - causation 383–5
 - civil sanctions 400–3
 - corporate offences 386, 390–1
 - discretion 387–94
 - EMAS suspension 438
 - generally 382–403
 - law reform 386
 - legislation 382–3, 386
 - penalty levels 394–8
 - prosecution factors 393–4
 - remedial works 400
 - sanctions 394–403
 - strict liability 385, 386
 - suspension of licences 400 - EU environmental law
 - Commission role 403–10
 - implementation 403–15
 - law reform 411–15
 - privatisation 413
 - selective enforcement 406–7 - meaning 381
 - publicity mechanism 398–400, 405, 413, 415
 - responsive regulation 392
 - targeting 392–3
- English Nature 674, 682, 685, 724
- Enlightenment 31–4, 52, 477, 532, 551, 616
- environment
- concepts 4–7

- environment (*cont.*)
- Enlightenment 32–4, 477
 - evolution 478
 - UK definition 708
- economic value 39–40, 236
- intrinsic value of nature 3, 4
- objectives 9
- social construction 5–6
- transnational externalities 159, 211
- v. trade. *See* international trade
- Environment Agency
- accountability 339, 340
 - cost-benefit analyses 337–8
 - creation 334
 - discretionary enforcement 387–94
 - administrative responses 400–3
 - ambiguity 388–90
 - EMAS suspension 438
 - policy principles 391
 - prosecution factors 393–4
 - targeting 392–3
 - effectiveness 335–6
 - EMAS and 444–5
 - enforcement function 382
 - environmental vision 335, 338, 351
 - expertise 336
 - functions 335–6
 - generally 334–9
 - GMOs 335–6
 - House of Commons Report on 335–6
 - ministerial guidance 335, 339
 - objectives 337–8
 - publicity 399
 - relationships with government 339–40
 - sustainable development and 337
- environmental assessments
- See also* strategic environmental assessments
 - agricultural land, change of use 682
 - benefits 550–67
 - changing attitudes 552–3, 555–6
 - cultural change theory 552–3
 - informing decisions 552, 553
 - institutional coordination 554–5
 - integration 557
 - legal culture 556
 - sustainable development 549, 560–3
 - unifying potential 465
 - bibliography 609–10
 - designated areas 638
 - Isle of Lewis wind farm 697, 705, 736–9
 - renewable energy developments 705, 729
 - special areas of conservation 649–55, 674–5
 - Walland Marsh wind farm 614, 655–61
- development 547, 548
- digitalisation 607–8
- EIA Directive 136, 567–97
- adequacy of information 581–3
 - Annex III 574–5
 - Article 1 572
 - Article 2 573
 - Article 3 572
 - Article 4 573
 - Article 10a 591
 - assessment procedure 572–97
 - discretion 572, 576–7
 - ECJ case law 576–80, 582–3, 589
 - effectiveness of regime 517, 590–7
 - environmental statements 581
 - guidance 738
 - implementation 587–90
 - integrative approach 557
 - legislative competence 159
 - methodology 164
 - origins 568–71
 - Preamble 571–2
 - procedural tool 595
 - public participation 557–8, 583–6, 591
 - scoping 580–3
 - screening 573–80
 - selection criteria 574–5
 - thresholds 573, 576–80
 - UK implementation 493
- EIAs and SEAs 600–1
- Habitats Directive 595, 613, 649–55
- ICJ jurisprudence 560–1
- Portugal 595–6
- post-assessment monitoring 604–7
- presumption 551
- protest tool 559–60
- pseudo-EIAs 567
- public participation 547, 553, 555, 557–60, 650
- regulatory technique 551–60
- methodology 558
 - pre-emptive procedure 556–7
 - self-regulating procedure 551–6
- Rio Declaration 223, 560
- risk assessment 551
- subjectivity 558–9, 558–60
- United Kingdom 569
- Belize Alliance* case 592–3
 - effectiveness 590, 592–3

- participation 584–6
 - revived mining permissions 587–90
- wind farms 718
 - Isle of Lewis 697, 705, 735–9
 - Kentish Flats 548, 563–7
 - offshore developments 723–9
 - Walland Marsh 614, 655–61
- environmental goods, privatisation 422
- environmental law
 - anthropocentric stage 326
 - contexts xv–xviii, 1, 9–60
 - directions 1
 - evolution of discipline xviii
 - phases 4, 14
- Environmental Law Foundation 695
- environmental liability
 - civil liability 400–3
 - compensation, Rio Declaration 223
 - criminal liability 353, 382–400
 - enforcement. *See* enforcement
 - Environmental Liability Directive 414–15
 - EU proposals 348, 414
 - financing restoration works 415
 - negligence 342
 - strict liability 345, 348, 385, 386, 396
 - UK torts 341–50
- Environmental Stewardship Scheme 684–5, 688
- environmentalist movement
 - anthropocentric stage 2, 3, 55, 326, 478–9
 - conservationists v. preservationists 10
 - democracy and 88
 - development 324
 - habitat conservation 478–9
 - sanctuaries 479
 - discourse 57–8
 - ecologism v. environmentalism 250
 - intellectual influences 33
 - intergenerational stage 2–3
 - limits to growth 250–6
 - Malthusianism 33, 75–6
 - non-anthropocentric stage 3, 4
 - pluralism 9–10
 - science and 57
 - shallow environmentalism 14–15, 34
 - stages 2–3
 - theories 34, 47–57
 - deep ecology 48–50
 - ecofeminism 51–3
 - ecological law 55–7
 - Gaia theory 53–4
 - social ecology 50–1
 - value conflicts 9–10
- environmentally sensitive areas 683
- ethics
 - approach to environmental law 11
 - cooperative land ethic 344, 465
 - deep ecology 48–9
 - environmental ethic 225
 - ethic of care 53
 - GMOs 63, 66–72
 - instrumental approach 70
 - taboos 67–8
- Euratom 156
- European Charter of Fundamental Rights 170, 171
- European Commission
 - 5th Environmental Action Programme 150
 - 6th Environmental Action Programme 138, 149–50
 - accountability 407, 411
 - definition of BAT 361–2
 - DG Environment 147, 168
 - DG structure 167
 - EIA guidance 738
 - environmental integration 165, 169–70
 - environmental policy making 146–7
 - environmental standards 369
 - implementation role 403–15
 - infringement proceedings 403, 406, 407, 412
 - law reform 411–15
 - Managing Natura 2000 Sites* 649–51, 652, 662
 - organic farming 207
 - SEA guidance 603
- European Court of Justice
 - constitutionalising force 171
 - environmental protection role 177–82
 - status of decisions 31
- European Environment Agency
 - approaches 138–40
 - integration principle 144
 - legislation 138
 - role 138, 147–8, 411
- European Food Safety Authority
 - GMOs 189–92, 196, 198
 - status 200, 201
- European Pollutant Emission Register (EPER) 375
- European Roundtable of Industrialists 174
- European Spatial Development Perspective (ESDP) 524

- European Steel and Coal Community (ESCC) 156
- European Union
- access to justice
 - preliminary ruling procedure 121–2
 - standing 119, 120–8
 - agriculture. *See* agriculture
 - bibliography 184–5
 - comitology 193–5, 197, 296
 - Constitutional Treaty 170–1
 - democracy 100, 175
 - enlargement 149
 - environmental law. *See* European Union
 - environmental law
 - ethos 174–6
 - free movement principle 156, 158–9, 173–4
 - free trade
 - Constitutional Treaty 170–2
 - exceptions 177
 - legislation 176–7
 - free trade v. environment 171–84
 - Danish Bottles* 177–9, 180
 - EC – Asbestos* 273–4, 281–2, 283, 310
 - EC – Beef Hormones* 282, 287–93, 313, 315
 - EC – Biotech* 206–7, 266, 282–3, 284–6, 293, 295, 296–303, 305–6, 310, 315
 - environmental guarantees 196
 - external trade 182–4
 - GMOs. *See* GMOs
 - internal trade 176–82
 - proportionality 178, 179
 - hierarchy of legislation 128
 - implementation of directives 403–15
 - Commission powers 404–10
 - direct effect doctrine 413–14
 - law reform 410–15
 - market citizens 208
 - origins 156–7
 - principles 135, 144, 151–2
 - single market 162–4, 173, 176–82
 - structural funds 525
 - subsidiarity principle 151–2, 163, 358–9
 - Water for Life 229–30
 - and WTO 176
- European Union environmental law
- See also specific subjects*
 - 1990s development 135–8
 - Aarhus Convention and 86–7
 - access to environmental information 102
 - charges 105
 - exceptions 104, 108–9
 - meaning of public authority 106–7
 - presentation 105
 - shift from secrecy 107
 - birds. *See* birds
 - context 135–42
 - dangerous substances 158
 - designation. *See* designation
 - development
 - 1st phase 155, 156–8
 - 2nd phase 155, 158–64
 - 3rd phase 155–6, 164–70
 - 4th phase 156, 170–1
 - constitutionalism 170–1
 - ecological modernisation discourse 164–7
 - Paris Summit (1972) 157
 - phases 155–71
 - policy integration 144, 145, 151, 166–70, 357
 - drinking water 159
 - eco-labelling 442–3, 448–51
 - economic basis 368
 - economic incentives 428
 - EIAs. *See* environmental assessments
 - EMAS 437–46
 - emissions trading 429–32
 - environmental guarantees 196, 206
 - environmental interest groups, funding 129
 - ethos 140–1
 - free trade and. *See* European Union
 - GMOs. *See* GMOs
 - habitats. *See* habitats
 - implementation 403–15
 - Commission role 403–10
 - direct effect 413–14
 - implementation deficit 403
 - infringement proceedings 403, 406, 407, 412
 - law reform 411–15
 - monitoring 404
 - penalties 408, 409–10
 - politics 406–7
 - privatisation 413
 - institutions 135–8, 146–7
 - IPPC. *See* IPPC licensing
 - landfill. *See* landfill
 - legislative framework 151–5
 - competence 145, 151–2, 158–9, 160, 161–2
 - considerations 152
 - economic concerns 161
 - integration principle 144, 145, 151, 166–70, 245, 357, 557

- methodology 153
- objectives 152
- principles 153–4
- subsidiarity 163, 358–9
- liability rules, proposals 348, 414
- mainstreaming 144, 145
- national safeguard measures 196–7
- Nitrates Directive 36–7
- paradoxes 184
- policy making 145–51
 - 1st Action Programme 157–8
 - 5th Action Programme 150
 - 6th Action Programme 138, 149–50
 - institutions 145, 146–7
 - openness and experimentation 148
 - strategy 150
 - sub-systemic level 147–8
 - trade and industry 148
- political v. technical approaches 46–7
- precautionary principle 22–6, 154
- public participation 100, 112, 114
 - standing. *See* standing
- renewable energy agenda 699, 702
- scope 143–5
- SEAs. *See* strategic environmental assessments
- sustainable development. *See* sustainable development
- waste
 - ADBHU* case 161–2, 171, 178, 632
 - end of life vehicles 457
 - oils 161–2
 - producer responsibility 456–7
 - water. *See* water pollution
- Evernden, Neil 5–6
- experts *See* science
- externalities
 - green taxes 423
 - meaning 36
 - planning and 464
 - transnational 159
 - transport 423
- Fairfax, Sally 669
- famines 74–5
- Farber, Daniel xv, 553–554, 607–8
- Feintuck, Mike 59
- feminism
 - deep ecology and 50
 - designation and 617–18
 - ecofeminism 51–3
- fertilisers 688, 689
- field margins 687–9
- Fineman, Stephen 389
- Finland 640
- Fisher, Elizabeth 20–1, 22, 59
- fisheries
 - industrial pollution 327
 - Johannesburg Summit 238
 - offshore wind farms and 731
 - practices 668–9
- Fitzpatrick, Peter 34
- flood defences 335
- flooding
 - deforestation and 212
 - poverty and 239
- fly-tipping 319, 320
- Folke, Carl 60
- Follesdal, Andreas 446–7
- foreign direct investment 241
- Forester, John 547
- forestry 514, 611, 621
- formal law, v. substantive law 354
- Foundation for International Environmental Law and Development (FIELD) 308
- France
 - Basses-Corbières 666
 - EC – Asbestos* 273–4
 - environmental impact assessments 568, 569
 - nuclear installations 569
 - nuclear tests in Pacific 560–1
 - special protection areas 631
 - Treaty of Paris (1951) 156
 - waste oils 161
 - wild birds 160, 666
- Frankfurt am Main 365
- Fraser, Iain 687
- free movement principle
 - ADBHU* case 161–2, 171, 178, 632
 - environmental regulation and 158–9
 - European Union 156
 - Constitutional Treaty 173–4
 - free trade. *See* international trade
- Freyfogle, Eric 692
- Friedmann, John 546
- Friends of the Earth 78, 230–1, 450
- fuel price escalator 424–5
- Fukuyama, Francis 69, 87–8
- Fuller, Karl 609
- G8 263
- Gaia theory 53–4
- Gaines, Stanford 269–70, 276–7, 316–17, 445–6
- garden city movement 471–5, 502–3

- Gateshead* case 516–18, 543–4
- GATT
See also WTO
 centrality 265
 exceptions 272–83
 EC – Asbestos 273–4, 281–2, 283, 310
 US – Shrimps/Turtles 274–80, 307, 310
 US – Tuna/Dolphin 280, 282
 non-discrimination principle 272–3, 277–8
 origins 264
 process and production methods (PPMs) 280–2
 sustainable development 310–11
- General Permitted Development Order 514
- genetic engineering, meaning 61–2
- genetically modified organisms *See* GMOs
- Genetix Snowball 349–50
- genomes 61
- Germany
 acid rain 157
 environmental impact assessments 568, 569
 environmental standards 364, 365, 366
 IPPC licensing and 373
 landfill 154–5
 renewable energy 181, 697, 717
 special areas of conservation 665, 666
 Treaty of Paris (1951) 156
- Giddens, Anthony 531, 532, 533
- Gillot, John 58, 59
- Glasson, John 610
- Glen Lochy 621
- global commons 270
- global governance
 asymmetric power 214–15
 deficit 213
 democratic deficit 307
- global inequality 269
- Global Rainwater Harvesting Collective 229–30
- Global Renewable Energy Partners 565–6
- globalisation
 anti-globalisation movement 306, 313
 asymmetry 214–15
 challenge 317
 citizenship and 378
 common environment 212
 European Union and 175–6
 race to the bottom 175, 358
 radical ecological critique 34
- GMHT forage maize 77, 78, 83
- GMOs
 agribusinesses 73
 agricultural biotechnology 61–2
 benefits 27–8, 72–6
 bibliography 84, 209–10
 biocentrism 66–72
 Cartagena Protocol on Biosafety 303–6
 civil disobedience against 349–50
 cross-pollination 348–9
 environmental concerns 64, 72
 ethics 63, 66–72
 European Union 58
 Action Programme 151
 authorisation process 186, 187, 188–201, 266
 co-existence measures 203–8
 complexity 183, 186, 201
 consumer welfare 202–8, 283
 definition 62
 disarray xvi, 186
 EC – Biotech 206–7, 266, 282–3, 284–6, 293, 295, 296–303, 305–6, 310, 315
 ECJ case law and science 198–9
 labelling 187, 202–3, 204–5, 208, 451
 lack of resolution 149
 legislation 187–9, 200–1, 202
 licensing 63
 moratorium 63, 186, 201, 266, 284–6, 315
 national safeguard measures 196–7, 203–4, 296–300
 national unilateral actions 196–8
 public opposition xvi, 63
 scope of regulation 83
 WTO and 193, 266
 human health concerns 64–5
 litigation, biotech industry 349–50
 paradigm xvi, xvii
 public participation, exclusion 129
 risk assessments 65–6
 risks 27
 socio-economic issues 65
 technology 61–2
- United Kingdom
 AEBEC 80
 biocentrism 66
 consultation 63, 76–83, 131–2
 economics 79, 82
 Environment Agency and 335–6
 farm scale evaluations 77–9, 83
 influence on EU 195
 legislation 84
 moratorium 63
 public debate 79–83, 195–6

- Science Review 77–9, 82, 303
 WTO disputes 83, 183
 EC – Biotech 206–7, 266, 282–3, 284–6,
 293, 295, 296–303, 305–6, 310, 315
 like products 280
 v. European Union 193, 266
 golden eagles 735, 739
 golden plovers 739
 golden rice 74
 good faith 276
 Goodin, Robert 435
 Gray, Kevin 343–4, 686–7
 Gray, Susan 686–7
 Gray, Tim 340, 388–90, 712–16
 great crested newts 680
 Greater Wash 725–6
 Green Balance 520–1
 green belt 489
 green taxes
 emissions trading 428–32
 fuel price escalators 424–5
 generally 422–8
 hypothecation 425
 regressive nature 425–7
 UK taxes 428
 greenhouse gases
 effect 699
 emissions trading 428–32
 landfill 451
 reduction 701–2
 transport 424–5
 Greenpeace 309, 566
 greenshanks 735
 Gregory, Roy 508–9
 Grove-White, Robin 282–3, 301–3, 505
 Gundersen, Adolf 92

 Habermas, Jürgen 92–3, 531, 532–4, 539, 709
 habitats
 Directive
 Article 2 635
 Article 6 647–8
 designation process 636–8
 economic and political influences
 639–47
 environmental assessments 595, 613,
 649–55, 674–5
 key directive 627
 Natura 2000 665–7
 planning impact 613
 Preamble 635
 procedures 614–15
 scope 681
 special areas of conservation 634–6
 weak sustainability 667
 early planning laws 478–9
 ersatz habitats 680
 islands 616
 Isle of Lewis 736–7
 sanctuaries 479
 Haggett, Claire 712–16
 Haigh, Nigel 380
 Halkyn Mountain 643–6
 Hall, David 498–9
 Hammer Hill, J. 20–1
 Hanna, Susan 60
 Hardin, Garrett 33, 35–6
 Harlow, Carol 115, 128
 Harman, John 351
 harmonisation of laws
 EU environmental law 154–5, 158–9
 IPPC regime 369–73
 Harris, James W. 685
 Harvey, Graham 692
 Hattan, Elizabeth 412
 Hawkins, Keith 398–9
 Hayek, Friedrich von 418, 541
 Hayes, David 730–1
 Healey, Patsy xvii, 493–4, 524, 530–2, 534,
 536, 545–6, 694
 health
 building control 470–1, 481
 environment and, EU priority 150
 GATT exceptions, *EC – Asbestos* 273–4,
 281–2, 283, 310
 GMOs and 64–5
 public health movement 470–1
 public perceptions of risk 542–5, 709
 SPS Agreement 284
 EC – Beef Hormones 282, 287–93, 313,
 315
 EC – Biotech 206–7, 266, 282–3, 284–6,
 293, 295, 296–303, 305–6, 310, 315
 Japan-Apples 293–5
 Hebbert, Michael 498–9
 Hebden Bridge 711
 hedgerows 502, 688, 689–91
 Heidegger, Martin 67, 467
 Heinelt, Hubert 569, 570–1
 Heinzerling, Lisa 39–40
 Held, David 214
 herbicides 78
 heritage coasts 707–9
 Hertin, Julia 164–7

- Hervey, Tamara 209
 Hewitt, Chris 426–8
 Hey, Christian 366, 371–2
 Heyvaert, Veerle 59
 Hilson, Chris 319–20, 378, 380, 415, 543, 544–5, 647
 historic battlefields 708
 Holder, Jane 31–3, 84, 185, 351, 552, 553, 562, 609–10
 Holland, Alan 71
homo economicus 433, 434
 House of Lords Environmental Audit Committee 702–3, 717
 Howard, Ebenezer 473–4
 Howarth, William 56–7, 527, 692
 Howse, Robert 318
 human rights
 boycotts 447
 property rights 343
 public participation 99
 Huxley, Aldous 69
 Huxley Report 484–5, 618, 621
 hypothecation 425, 454–5
- IBA 89 633
 IMPEL 138, 413
 incinerators 132, 457, 516–17
 indigenous people 10, 224, 228
 individualism
 social gap 712–16
 v. common good 694
 wind farm protests 711
 industrial revolution 3, 323, 325
 insecticides 68
 Institute for Nature Conservation 596
 insulin 72
 Integrated Pollution Prevention and Control.
 See IPPC licensing
 integration of environmental policies
 conservation 673–80
 designation 668
 environmental assessments 557
 EU law 144, 145, 151, 166–70, 245, 357, 557
 European Environment Agency 144
 international trade 308, 310–11
 IPPC 354–7
 land use 464–5
 planning 503, 506–10, 522–6
 pollution control 331, 333–4, 354–7
 sustainable development
 European Union 167
 United Kingdom 245–7, 260
 wind farms 465
 intellectual property rights 103
 internal market 162–4, 173, 176–82
 international environmental law
 context 211–15
 fragmentation 212
 institutions 212
 legitimacy 213
 multilateral treaties 212
 sustainable development. *See* sustainable development
 international relations 108
 international trade
 debate 306
 free trade promise 264–5
 GMOs. *See* GMOs
 reconstruction 306–15
 domestic or international standards 311–15
 environmental integration 308, 310–11
 public participation 307–10
 system 264–6
 trade–environment–development triangle 266–70
 v. environment 264, 270–306
 contradictions 245
 costs 172–3
 domestic measures 272–303
 European Union. *See* European Union
 GATT exceptions 272–83
 issues 270–2
 national safeguard measures 197, 296–300
 science, risk and WTO 283–303
 SPS. *See* SPS Agreement
 WTO. *See* WTO
 IPPC licensing
 access to justice 378–9, 413
 BAT Reference Notes (BREFs) 370–2, 373, 377
 best available techniques (BAT) 359–62, 366, 367, 368, 373
 value judgments 377
 command and control mechanism 352–4, 358
 European IPPC Bureau 370, 371
 European Pollutant Emission Register (EPER) 375
 flexibility and decentralisation 165, 352, 358–62, 369
 general principles 357
 information exchange 370–2, 374

- integration of pollution control 354–7
- IPPC Directive
- Annex IV 360
 - Annex V 376
 - Article 2 359
 - Article 9 367
 - compromise 366
 - objectives 354
 - recitals 355–6
 - UK implementation 357
- proceduralisation 373–9
- public participation 375–9
- reflexive law 369–73, 374–5, 436
- regulatory technique 164, 320, 352–80
- Sevilla process 370–2, 374
- soft harmonisation 369–73
- standards 362–9
- waste 454
- Iraq War (2003) 230
- Ireland, EIAs 578–80
- Irvine, Sandy 253, 254
- islands, habitats 616
- Islay 654–5, 666
- Isle of Lewis wind farm project
- alternative solutions 661, 740–1
 - birds 735, 737, 739
 - case study 697
 - compensation 716
 - controversy 467, 735, 742
 - economic benefits 736
 - environmental statement 697, 705, 736–9
 - habitats 736–7
 - peatlands 735–6, 737, 738, 738
 - planning gains 716
 - river pollution 737
 - RSPB objections 661, 738–9
- Italy 156, 453
- Jackson, Simon 695
- Jacobs, Francis 180–2
- Jacobs, Michael 218, 238, 256–7, 258
- Jacobson, Arthur 553–5, 572
- James, William 93
- Jans, Jan 185
- Japan
- Japan – Agricultural Products* 294, 295
 - Japan – Apples* 293–5
- Jasanoff, Sheila 282–3, 301–3
- Jewish religion 67
- Johannesburg World Summit
- bibliography 263
 - Declaration
 - commitments 238
 - NEPAD 228, 239
 - partnership initiatives 228, 229–30
 - platitudes 229
 - private sector 228, 230, 241
 - text 226–9
 - threats to sustainability 227–8
- definition of sustainable development 217
- EU role 139
- negotiations 225
- official development assistance 242–3
- Plan of Implementation 240–3, 267
- poverty issue 238–43
- responses to 230–1
- trade–environment–development triangle 237, 266–70
- water initiatives 229–30
- World Solidarity Fund 239, 242
- Johnson, Brian 78
- Jones, Gregory 134
- Jones, Ross 56, 57
- judicial review, UK 31, 379
- justice
- See also* access to justice; distributive justice
 - agricultural biotechnology and 73
 - global inequality 269
 - polluter pays principle 36
 - sustainable development and 237–43, 258
- Kagan, Robert 390–1, 392, 399, 409
- Kahn, Robert 713
- Kalof, Linda 60
- Karkkainen, Bradley 605, 606–7, 609
- Kelman, Steven 91–2
- Kemo, Ray 545
- Kennedy, Robert 692
- Kentish Flats wind farm project 548, 563–7, 719
- Kimber, Cliona 107, 445–6
- Krämer, Ludwig 184–5, 459, 568–9
- Kumar, Majit 58, 59
- Kyoto Protocol
- commitments 27, 429
 - EU emissions trading and 430
 - flexible mechanisms 432
 - renewable energy 702
 - UK targets 708
 - US withdrawal 230
- labelling
- eco-labelling 442–3, 448–51
 - GMOs 187, 202–3, 204–5, 208, 451

- labelling (*cont.*)
 non-food GMOs 203
- Lal, David 696, 697, 711, 717
- land, value 465–7
- land use
 historical context 325–6
 integration of policy 464–5
 law and politics *xvi*
 natural use 326, 328–9, 345–7
 nuisance. *See* nuisance
 planning. *See* planning
- landfill
 Directive
 public participation 457–8
 requirements 455
 UK impact 451, 452, 457
 distribution of costs 426
 German v. EU standards 154–5
 landfill tax 454–5
 reduction 454–6
 trading scheme 455–6
- Lange, Bettina 372–3, 415–16
- Last, Kathryn 477–9, 669
- law-and-society theory *xv–xvi*
- Lazarus, Richard 60, 324
- Lee, Maria 58, 133–4, 185, 210, 257–8, 415
- Lefevere, Jürgen 431, 432–3, 434
- Leicestershire and Rutland Wildlife Trust
 688–9
- Leigh Day & Co 520–1
- Leopold, Aldo 48–9, 344, 465, 692
- Letchworth Garden City 474
- Levidow, Les 200
- Lewis *See* Isle of Lewis wind farm project
- licensing
 hedgerow protection 502, 690
 instrument of choice 461
 IPPC. *See* IPPC licensing
 offshore wind farms 721–3
 planning system 510
 SSSIs, operations in 625
 suspension 400
 waste management 454
- limits to growth
 Brundtland Report 254
 environmentalists 250–6
 waste and 458–9
- Lindsay, Richard 737–8, 739
- listed buildings 708
- litigation, UK environmental matters 340–1,
 347–50
- Liverpool Bay 725
- local government
 planning considerations 515
 planning role 498, 510
 pollution control 334
- Locke, John 32–3, 467
- London 323, 453, 492, 529, 582–3
- Lovelock, James 53–4
- Lowry, John 351
- Lubbe-Wolff, Gertrude 363, 364–6, 368
- Lusser, Helmut 498–9
- Luther, Martin 435
- Luxembourg 156
- Maastricht Treaty (1992) 163
- McAuslan, Patrick 542
- McCracken, Robert 134
- McGillivray, Donald 185, 347–8, 349, 459,
 492–3, 528, 610, 626, 642, 643, 669
- MacKay, Donald 743
- McKenzie, Donna 743
- McKibben, Bill 71, 692
- McKinney, William 20–1
- MacLaren, Roy 312
- McNamara, Robert 239
- Macrory, Richard 185, 358–9, 364, 391,
 401–2, 404–5, 416, 423–5, 428, 455
- maize 64–5, 68, 77, 78, 83, 296–303
- Majone, Giandomenico 59
- Malek, Tanja 569, 570–1
- Maler, Carl-Goran 60
- Malthusianism 33, 75–6
- managerial approach
 ecologism v. environmentalism 250
 risk assessments 15
 sustainable development 251–3
 UK approach 255
 v. political values 256
- Manchester 323, 328
- Manchester airport 465–7
- Mandelker, Daniel 609
- Maplin Sands 726
- Marine Conservation Society 728
- Marris, Claire 200
- Marx, Karl 268
- Meadowcroft, James 547
- Meadows, Donella & Dennis 251–3
- medical biotechnology 69–70
- Medway Estuary 630–1
- Mehta, Alex 398–9
- Mendel, Gregor 61
- Menkel-Meadow, Carrie 4
- Merchant, Carolyn 52–3

- merlins 735, 739
 methane 451
 Methodism 33
 Micheletti, Michele 446–7, 450
 Middleton, Neil 263
 Milford Haven 396–7
 Miller, Chris 503
 Millichap, Denzil 476–7
 mining
 EIAs 587–90
 nuisance 329
 revived mining permissions 587–90
 water pollution 327
 Monsanto 350
 Morgan-Grenville, Fern 70
 Morrison-Saunders, Angus 610
 Morrow, Karen 130–1, 325–6, 351, 686–7
 multi-disciplinary perspective xv–xviii

 Nadin, Vincent 475–6, 524–5, 547
 Naess, Arne 48, 49
 National Lottery 426
 national nature reserves 707–8
 national parks 484–5, 707–8
 national security exceptions
 Aarhus Convention 103
 EU environmental information 108–9
 National Trust 479
 Natura 2000
 Birds and Habitats Directives 665–7
 coherence 637, 729
 ecological network 636, 642, 654, 667
 energy projects and 596
 environmental assessments 594
 European Commission guidance 649–51, 652, 662
 Natural England 682, 685
 natural resources, GATT exceptions 273
 US – Shrimps/Turtles 274–80, 307, 310
 nature *See* environment
 Nature Conservancy Council 618–20, 621, 622
 nature conservation
 1949 Act 485–7
 bibliography 669, 692–3
 changing agricultural practices 680–91
 compensatory measures 677–80
 demise of voluntarism 612, 625–6
 EIAs and, Portugal 596
 fragmentation 485, 612, 668
 national parks 484–5, 707–8
 planning, integration 673–80
 post-war legislation 484–7
 wind farm protests 735–42
 nature reserves 479, 484–5, 486, 615–16
 negligence 342, 354
 Netherlands
 EIAs 568, 576–8
 environmental concerns 160
 flood relief works 576–7
 IPPC licensing and 373
 Nimby Bill 715
 special protection areas 632–3
 Treaty of Paris (1951) 156
 Waddenzee case 180, 651–3, 674–5
 New Lanark 472
 New Zealand 560–1
 Newbury by-pass 560, 711
 NGOs
 funding 129
 GMOs and 349–50
 new technocracy 131
 partnership initiatives 230
 public participation 130–1
 Aarhus Convention 129, 133
 EIAs 591
 European Union 136, 147
 representative capacity 133, 308
 resources 131, 309
 WTO and 269, 307, 308–10
 Nigeria 399
 NIMBYism 129, 711, 712–16
 Nitrates Directive 36–7
 noise, wind farms 695–6
 Non Fossil Fuel Obligation (NFFO) 699
 non-governmental organisations. *See* NGOs
 non-state actors, EU environmental policy 147–8
 North Hoyle 719
 Npower Renewables Ltd 655, 656, 660, 663
 nuclear power 12, 17, 27, 345
 Nuffield Council on Bioethics 66–9, 70, 73, 82
 nuisance
 formal law 354
 human rights and 343
 noise, wind farms 695–6
 private nuisance 329–30
 Cambridge Water 344–7
 modern pollution control 342–8
 St Helens Smelting v. Tipping 329–30
 Rylands v. Fletcher 328–9, 342, 344–5, 346, 347

- occupied territories 224
- O'Keefe, Phil 263
- Onida, Marco 185
- organic farming 206–7, 348–9
- O'Riordan, Tim 425
- Orts, Eric 435
- Ost, François 442–3, 564
- Ostry, Sylvia 268–9
- Owen, Robert 472
- Owens, Susan 463–4, 508–9, 510, 539–40, 563, 598, 675, 679
- ozone layer depletion
- CFCs 20
 - science 12, 43
- paraquat 126
- Paris, Treaty of (1951) 156
- parliamentary committees 339–40
- partnership initiatives 228, 229
- Pearce, David 34–5, 38–9, 232, 234
- peatlands 735–6, 737, 738
- Peirce, Charles 93
- Pen yr Henblas Quarry 662–3
- Pennington, Mark 540–2, 547
- Perez, Oren 270–1
- pesticides 12, 29–30, 126, 688, 689
- Peterson, John 145, 146–8, 149
- Pfizer* case 22–6, 28, 31, 46–7, 180, 192, 198, 199
- Pike, Jeremy 511
- planning
- amenities 470–1, 476–7, 481, 509
 - bibliography 503–4, 547
 - biodiversity and 673–80
 - central policy guidance
 - biodiversity 676
 - impact on decisions 493, 515, 522
 - pollution control 518
 - public participation 512
 - renewable energy 699–709
 - sustainable development 511–13
 - conservation role 463
 - decisions 518–21
 - appeal rights 519–21, 535, 710
 - calling in 519
 - reasons 518–19
 - designated sites 613, 615
 - special areas of conservation 649–55
 - SSSIs 624–6, 626
 - development
 - meaning 513–14
 - presumption 489–90, 493
 - development plans. *See* development plans
 - elements 510–22
 - enforcement notices 519
 - green belt 489
 - history
 - 1947 Act 480–1, 484
 - 1980s shift 489–94
 - amenity 470–1, 476–7, 481
 - centralisation 492–3
 - development schemes 477, 533
 - early planning law 475–9
 - entrepreneurial planning 489–94
 - environmental turn 494
 - garden city movement 471–5
 - habitat conservation 478–9
 - nature conservation 484–7
 - public health 470–1
 - public participation 487–9
 - Scott Report (1943) 481–2
 - sustainable development 494–502
 - town/country divide 479–87, 501–2, 611, 621
 - utopianism 469, 471–5
 - institutions 333
 - conflicts 540
 - integrated spatial strategies 463
 - conservation 673–80
 - generally 507–8, 522–9
 - origins 523–6
 - renewable energy 698–9, 705
 - systemic reform 526–9
 - major projects 521–2, 540
 - objectives 462
 - planning agreements 510–11
 - transparency 679
 - wind farms 716
 - planning permissions
 - applications 515
 - automatic permissions 514
 - conditions 516
 - licensing system 510
 - policies 493, 511–13, 515, 518, 522
 - pollution control and 516–18
 - Gateshead* case 516–18, 543–4
 - proactive tool 463
 - public participation 133–4, 487–9, 512
 - citizens' juries 541–2, 716
 - collaborative planning xvii, 530–2, 534–5, 536, 540, 714
 - compensatory measures 679
 - generally 530–47
 - guidelines 512

- limits 694
- perceptions of risk 542–5
- practice 538–42
- procedures 536–8
- public inquiries 539
- statements of community involvement
 - xvi, 536–7
- theory 530–6
- scope 462–4
 - farmland 514
 - General Permitted Development Order 514
 - meaning of development 513–14
 - Use Classes Order 514
- state sovereignty 154
- sustainable development 463–4
 - ascendancy 494–502, 505–6
 - centrality 508–10, 546
 - limitations 498–9
 - policy 243, 463–4
 - policy statements 511–13
 - wind farms. *See* wind farms
- Plant, Glen 729
- Plumwood, Val 50, 53
- Poli, Sara 210
- policy
 - EU environmental policy making 146–51
 - law and xvi
 - meaning xvii
- politics
 - designation 614
 - environmental law 40–7
 - European Union
 - ethos 174–6
 - GMOs and science 199–200, 201
 - implementation of EU law 406–7
 - Pfizer* case 46–7
 - market as political tool 446–7
 - special areas of conservation and 639–47
 - standing rules and 128
 - sustainable development 256–62
 - v. technical approaches 40–7, 88–9
- poll tax 332
- polluter pays principle 36–7, 621
- pollution
 - national responses to 353
 - social creation 5–6
 - tragedy of the commons 35–6
 - UK industrial revolution 325–31, 347
 - nineteenth-century reports 326–8, 330
 - nuisance 328–30
 - river pollution 330–1
 - pollution control
 - bibliography 380
 - European Union. *See* IPPC licensing
 - integration 354–7
 - models 353–4
 - standard setting 362–9
 - United Kingdom. *See* pollution control (UK)
 - pollution control (UK)
 - absorb and disperse approach 364
 - Alkali Acts 330–1, 354, 557
 - bibliography 351
 - development 323–5, 331
 - economic concerns 161
 - enforcement. *See* enforcement
 - historical context 325–31, 347
 - lack of integration 331, 354–5
 - indirect influence 320
 - industrial revolution 3, 323, 325
 - institutions 331–41
 - advisory bodies 339–40
 - Environment Agency 334–9
 - environmental court debate 340–1
 - fragmentation 334, 354
 - government structures 331–4
 - integration and 333–4
 - local government 334
 - parliamentary committees 339–40
 - planning system and 516–18
 - pollution control register 392
 - public participation 375
 - regulation 319–20
 - 1980s debate 320
 - failures 348
 - methods 320
 - standards 364
 - tort litigation 330, 341–50
- Pontin, Ben 351
- Ponton, Alec 253, 254
- Popham, John 520–1
- Popper, Karl 418
- Porritt, Jonathon 257, 450
- Port Sunlight 472
- Portugal, EIAs 595–6
- poverty
 - diseases and 269
 - green taxes and 426–8
 - sustainable development and 237–43, 244, 245, 267
 - UK policy 244, 245, 262–3
- Powergen Renewables 731
- pragmatism 93–4

- precautionary principle
 bibliography 59
 Cartagena Protocol on Biosafety 304
 challenge 26–8
 Chernobyl 18–19
 cost-benefit analysis 25
 customary international law 292–3
 emergence 11, 20
 environmentalist discourse 58
 European Union 22–6, 154
 Dutch Vitamins case 180
 EC – Beef Hormones 292–3
 EC – Biotech 293, 299–300, 305–6
 Pfizer case 22–6, 28, 31, 46–7, 180, 192
 Waddenzee case 180, 651–3, 674–5
 GMOs and 65–6
 meaning 20–2, 29
 proportionality 179–80
 Rio Declaration 223
 scientific uncertainty 18–31, 653
 special areas of conservation 638, 652–63
 SPS Agreement and 293
 substitute risks and 28
 United Kingdom
 Amvac case 29–30
 judicial review tool 31
 Prescott, John 332, 336
 preservationists, conservationists v. 10
 private law, pollution control and 341–50
 privatisation of environmental goods 422
 process and production methods (PPMs)
 280–2
 producer responsibility 456–7
 property rights
 common property 343–4
 equitable property 343–4
 historical context 325–6
 human rights 343
 and industrial pollution 330
 Rylands v. Fletcher 328–9, 344–5, 346, 347
 stewardship 343, 481, 547, 685–7
 proportionality
 cost-benefit analysis 25
 EU principle 154
 free trade exceptions 178, 179
 precautionary principle 179–80
 SPS measures 292
 UK pollution control 392
 public, meaning 99, 113
 public authorities
 corporate sanctions 396–7
 definitions 106–7
 public goods, privatisation 422
 public health *See* health
 public interest
 development in SACs 662–4
 WTO and 175, 183
 public interest groups *See* NGOs
 public participation
 Aarhus Convention 86, 98, 110–14
 domestic and international level 131
 interest groups 129, 133
 limitations 133–4
 access to environmental information
 100–10
 access to justice 114–28
 advantages 87–101
 bibliography 134
 Cartagena Protocol on Biosafety 305
 challenges 128–32
 consensus 85
 costs 132
 elements 86
 environmental assessments 547, 553, 555,
 557–60
 EU law 557–8, 583–6, 591
 strategic environmental assessments 113
 European Union 100, 112, 113, 114, 583–4
 exclusion 129
 forms 85
 GMO debate 79–83
 human rights and 99
 interested parties 94–5
 IPPC licensing 375–9
 levels 85–6, 530
 limits
 Aarhus Convention 133–4
 wind farm example 694
 NGOs 129–31
 objectives 100–1
 planning. *See* planning
 procedures 377
 process rationale 87–93
 resources 131
 Rio Declaration 222
 risk assessments and 302
 social gap 462, 489, 712–16
 substantive rationale 93–6, 97
 European Union 100
 testing outcomes 96
 v. science and economics 40–7, 59
 waste management 96, 457
 wind farm developments 462, 707, 728
 WTO 307–10

- publicity
 corporate pollution 398–9
 EU enforcement decisions 405, 413, 415
 publicity orders 399–400
 Purdue, Michael 520–1, 537–8
- race to the bottom 175, 358
- racism 66
- rainforests 10
- Rajamani, Lavanya 224–5, 238, 239
- Ramsar sites 707, 735–42
- Rawlings, Richard 405–7
- Reagan, Ronald 320
- recycling 456–8
- red squirrels 672
- red throated divers 734, 735, 739
- reflexive law
 approach 100
 critique 445–6
 EMAS 437–6
 environmental assessments 552
 IPPC licensing 369–73, 374–5, 436
 meaning 354, 435–7
 regulatory technique 435–46
- registered parks and gardens 708
- regulatory techniques
 bibliography 459
 command and control 352–4, 358, 417–21
 complexity 419–20
 decentring 458
 designation. *See* designation
 economic instruments 421–35
 critique 432–5
 emissions trading 428–32
 green taxes 422–8
 privatisation of environmental goods 422
 environmental assessments 551–60
 fragmentation of knowledge 420
 fragmentation of power 420
 green consumers 446–51
 interactions 420–1
 licensing. *See* IPPC licensing; licensing
 limitations 419–21
 public/private distinctions 420
 reflexive law 435–46
 waste example 419, 451–8
- Reid, Colin 669
- remedies
 access to justice and 116
 interim relief
 Belize Alliance case 116–18
 United Kingdom 116–18
- renewable energy
 See also wind farms
 common ownership 716, 717
 environmental assessments 705
 EU agenda 699, 702
 Germany 181
 global warming and 694, 701
 House of Lords Environmental Audit
 Committee 702–3
 Kyoto Protocol 702
 local resistance 465
 Portugal, EIAs 596
 presumption in favour xvi, 700–2
 social gap 462, 489, 712–16
 UK central policy 699–709
 public participation 707
 small projects 706
- respect for private and family life, nuisance
 343
- responsive regulation 392
- Revesz, Richard 459
- Rhine 365
- Rio Declaration
 compromise 225
 environmental impact assessments 223, 560
 international trade 266
 landmark 225
 polluter pays principle 36
 precautionary principle 21, 29
 principles 221–4, 226
 sustainability 3, 220–4
- Rio Earth Conference (1992) 217, 224–5,
 316–17
- risk
 deliberative democracy and 41–2
 GMOs, EU regulation 188–201
 political issue 47
 precautionary principle 18–31
 public perceptions 15–18, 22, 709
 planning considerations 542–5
 risk assessments v. risk management 46–7
 risk society 15, 22
 social system and 301–2
 substitute risks 28
 zero risk 25, 28, 192, 193
- risk assessments
 Cartagena Protocol on Biosafety 304
 cost-benefit analysis 25
 environmental assessments 551
 GMOs 65–6, 190–8, 201
 limitations 30
 managerial approach 15

- risk assessments (*cont.*)
 objectivity and judgment 78–9
 public deliberation and 302
 v. risk management 46–7
 WTO disputes 183, 197
 definition 297–8
 EC – Beef Hormones 287–93
 EC – Biotech 296–303, 305–6
 Japan – Agricultural Products 295
 science 283–303
- Ritchie Report 485, 621
- road pricing 452–3
- Robin Rigg wind farm development
 birds 733–4
 case study 697, 730–5
 construction 734–5
 economic benefits 732, 734
 environmental statement 727, 732–5
 Solway Firth 730–1
- Rodgers, Christopher 685–6, 692
- Romantic movement 33
- Rome Treaty (1957)
 environmental competence 151, 158, 160
 objectives 156
 procedures 157
- Ross-Robertson, Andrea 243–5, 263
- Rowan-Robinson, Jeremy 743
- Royal Commission on Environmental
 Pollution (RCEP)
 advisory function 339
 environmental conflicts 743
 environmental standards 46, 362
 fisheries 668
 integrated approaches 356, 495
 integrated spatial strategies 507–8, 526, 529
 necessity of regulation 424
 planning
 agriculture 681, 682
 appeal rights 519–20
 cooperation 497
 countryside 482, 501–2
 environmental planning 506–7
 renewable energy 702, 703
 transport externalities 423
- Royal Society for the Protection of Birds 467,
 627, 630, 632, 646, 651, 654–5, 738–9,
 740–1
- Royal Town Planning Institute 497
- Runnalls, David 316–17
- Ryall, Aine 610
- Rydin, Yvonne 547
- Rylands v. Fletcher* 328–9, 342, 344–5, 346, 347
- Sachs, Wolfgang 239–40
- Sadeleer, Nicolas de 667, 671–2
- Sadler, Barry 575
- Sagoff, Mark 44, 59, 72, 74–6, 92, 711
- St Helens 326–7, 328
- St Helens Smelting v. Tipping* 329–30
- sanctuaries 479
- Sands, Philippe 459, 743
- Satterfield, Terre 60
- scheduled monuments 708
- Scholz, John 390–1, 392, 399, 409
- science
 alternatives 47–57
 authority 13, 31–4, 57–8, 179
 debatable tenets 95
 designation process 638
 dominance of debate 11
 Enlightenment 532
 environmental assessments and 558–9
 environmental law and xv, 11
 EU law 136–7, 206
 EU GMO regulation
 authorisation process 194, 197–8
 comitology 194
 EC – Biotech 206–7, 266, 282–3, 284–6,
 293, 295, 296–303, 305–6, 310, 315
 ECJ case law 198–9
 national safeguard measures 197,
 296–300
 politics and 199–200
 EU policy making 147–8
 green ambivalence 12–14
 loss of trust 42
 mistakes 18–19
 objectivity 12, 42–3, 58
 ECJ case law 198
 and politics 200
 Popper on 418
 precautionary principle and 653
 progress project 58
 risk 543–4
 social rejection 58
 wind farms 709
 risk assessments. *See* risk assessments
 role 12–15
 scientific paradigm 1, 12–34
 sustainable development and 236,
 258–60
 telecommunications masts 543, 544–5
 tendentious exploitation 14
 UK GMO debate 77–9
 uncertainty 11, 13–14, 18–31, 65–6, 653

- v. public perceptions
- value judgments 95
- WTO disputes and 283–303
 - EC – Beef Hormones* 287–93, 313
 - EC – Biotech* 296–303, 315
 - Japan – Agricultural Products* 294
 - Japan – Apples* 293–5
- Scobie Sands 719
- Scotland
 - bibliography 743–4
 - Cairngorms tourism 508, 509, 646–7, 651
 - environmentally sensitive areas 683
 - national parks 485
 - renewable energy 697, 703, 710, 711, 730–5, 741
 - See also* Isle of Lewis; Robin Rigg
 - wildlife conservation 479
- Scott, Joanne 59, 179–80, 183, 185, 200–1, 314–15, 318, 360–1, 368, 380, 553, 682
- Scott, Karen 722–3, 744
- Scott Report (1943) 481–4, 621
- Scottish Environmental Protection Agency (SEPA) 334
- Scottish Natural Heritage 682, 731, 733
- Scottish Power 679
- Scruton, Roger 504, 692
- sea turtles 274–8
- self-realisation 50
- Selznick, Philip xv–xvi
- Sen, Amartya 74, 75, 317
- Sessions, George 49
- Severn Estuary 639–42
- Sevilla process 370–2, 374
- sewage, nineteenth-century 328, 470
- Shaffer, Gregory 308–10, 311
- Shapiro, Martin 139
- Shaw, Tim 493–4
- Sheate, William 609
- Shell 399
- Shiva, Vandana 52–3, 214
- Shoard, Marion 669
- shovelers 658
- Sierra Leone 308
- Simmie, James 547
- single market
 - and environmental policy 162–4
 - EU principle 173, 176–82
- sites of special scientific interest (SSSIs)
 - Beebee* case 622–4
 - centrality 618, 648
 - compensation 620–1, 626
 - generally 618–25
 - ineffectiveness 485, 619–25
 - management agreements 620–1, 626
 - notification 620
 - origins 485, 618
 - overhaul of system 625–6, 691
 - planning and 622–4, 626, 677
 - compensatory measures 679–80
 - selection 618–20
 - Taff/Ely Estuary 679
 - UK legislation 618–19
 - voluntarism 621–2, 625
- Skeffington Report 488, 530
- Smith, Graham 9–10
- Snow, C. P. 324
- Snyder, Francis 174
- social ecology 10, 50–1
- social exclusion 129
- social gap 462, 489, 712–16
- social goods, value 44
- social science, authority 13
- Society for the Promotion of Nature Reserves 479
- socio-legal inquiry xv–xvi
- Solway Firth 730–1
- Soper, Kate 10
- soybeans 62
- Spain
 - bathing water 409–10
 - power stations 120
 - renewable energy 697
 - Santona Marshes 630, 631, 632
- special areas of conservation
 - Cairngorms 508, 509, 646–7, 651
 - designation process 636–8
 - development and assessments 595, 613, 649–55, 674–5
 - Walland Marsh wind farm 614, 655–61
- development derogations 661–7
 - alternative solutions 661, 740–1
 - compensatory measures 664–5, 677–80
 - overriding public interest 662–4
 - Walland Marsh 663–4
- ECJ case law 639–43, 651–3
- economic and political influences 639–47
- generally 634–65
- Habitats Directive 634–6
- Halkyn Mountain 643–6
- Islay 654–5, 666
- Lewis Peatlands 735, 741
- monitoring 638
- Pen yr Henblas Quarry 662–3
- protection regime 647–9

- special areas of conservation (*cont.*)
- two-tier system 665
 - UK implementation 648–9
- public participation 650
- renewable energy developments 707–9
- science 638
- Severn Estuary 639–42
- UK case law 643–6, 654–5
- value judgments 637
- Waddenzee* case 651–3, 675
- special protection areas
- Basses-Corbières 666
 - Birds Directive 627–9
 - ECJ case law 630–3
 - exceptions 634
 - objective criteria 630
 - renewable energy developments 707–9
 - Isle of Lewis 735–42
 - offshore wind farms 724
- Spence, Thomas 471–2
- SPS Agreement
- assessment of risk 286–7
 - basic rights and obligations 286
 - determination of measures 287
 - conditions 294
 - EC – Beef Hormones* 282, 287–93, 313, 315
 - EC – Biotech* 266, 282–3, 284–6, 293, 295, 296–303, 305–6, 310, 315
 - extension of WTO scope 283
 - harmonisation of standards 312–13
 - Japan – Agricultural Products* 294, 295
 - Japan – Apples* 293–5
 - national safeguard measures 296–300
 - precautionary principle and 293
 - science and risk 284–303
 - text 286–7
- squirrels 672
- SSSIs *See* sites of special scientific interest
- Staeck, Nicola 569, 570–1
- Stallworthy, Mark 462–4, 489, 492, 699
- standards
- developing countries 312
 - environmental standards 362–9
 - emission standards 363, 364, 365
 - Germany 364, 365, 366
 - quality standards 363, 364, 365, 368
 - technical prescriptions 363
 - United Kingdom 364, 365, 366
 - harmonisation 312–14
 - national autonomy 314–15
 - public opinion 314–15
 - SPS Agreement 312–13
 - WTO and 311–15
- standing
- Aarhus Convention 118–19, 127–8
 - access to justice and 116, 118–28, 379
 - EIAs 591
 - EU law 119, 120–8
 - Article 230 120, 122–5, 127, 128
 - direct and individual concern 120, 160
 - European Environmental Bureau* case 126–7, 128
 - Greenpeace* case 120
 - Jégo-Quéré* case 120, 125
 - preliminary ruling procedure 121–2
 - UPA* case 120–5, 126
 - European national laws 379
 - UK rules 379
- Stanley, Neil 547
- starlink maize 64–5
- state aids 594
- state sovereignty
- employment standards and 312
 - natural resources 10, 221
 - Rio Declaration 221
- statements of community involvement xvi, 536–7
- Steele, Jenny 91, 94–6
- stewardship 343, 481, 547, 685–7
- Stewart, Richard 89, 90, 115, 459
- Stewart Report 545
- Stirling, Andrew 423
- Stockholm Conference (1972) 155, 157, 219, 226
- Stokes, Ellen 653
- Stolle, Dietland 446–7
- Stone, Christopher 21
- Strachan, Peter 694, 696, 697, 711, 717, 744
- strategic environmental assessments
- access to information 607–8
 - advantages 597–8
 - Directive 113, 548, 599–601
 - Article 1 600
 - Article 3 600
 - objectives 600
 - origins 599
 - scope 599, 600
 - UK implementation 599
 - drawbacks 598
 - economic factors 603–4
 - effectiveness 604
 - and EIAs 600–1
 - form 600
 - generally 597–604

- preamble 599–600
- public participation 113
- sustainable development 563, 601–4
- wind farms 465, 723–9
- strict liability
- English water pollution 385, 386, 396
 - EU proposals 348
 - nuclear power 345
 - Rylands v. Fletcher* 328–9, 344–5, 346, 347
- structural funds 525
- structuration theory 531
- subsidiarity
- economics and 368
 - EU environmental law 163, 358–9
 - EU principle 151–2
- subsidies
- agriculture 264–5, 316, 681, 682
 - EIAs and 594
- substantive law, v. formal law 354
- Sunstein, Cass 16–18, 26–8, 38, 41–2, 44–5
- superweeds 64
- sustainable development
- bibliography 263
 - consensus 217
 - consumer behaviour 453
 - definition
 - Brundtland Report 217, 231, 643
 - contested concept 217–18, 256–7
 - pluralism 219, 256–8
 - United Kingdom 243–4, 513
 - vagueness 218
 - development plans 512, 546
 - economic approach 231–6, 261
 - elements 231–43
 - balance 642–3
 - distributive justice 234–5, 255, 427
 - economics 231–6, 261
 - future discourse 231–8
 - intergenerational equity 231
 - poverty issues 237–43
 - present discourse 237–43
 - strong and weak versions 232–6
 - three-pillar approach 237, 244, 250, 255
 - well-being 234
 - European Union 524
 - Constitutional Treaty 171
 - development of concept 164
 - extended impact assessments 170
 - policy integration 167
 - priority 141, 143–4, 150, 561
 - evolution of concept
 - Brundtland Report 219–20
 - emergence 3, 215
 - international law 215, 219–31
 - Johannesburg Summit 225–9
 - Rio Declaration 3, 220–4
 - free trade and. *See* international trade
 - GATT 310–11
 - green taxes and 427
 - indicators 249–50
 - limits to growth 218, 250–6
 - Brundtland Report 254
 - ecologism v. environmentalism 250
 - normative objective 256–62
 - planning. *See* planning
 - political values 256–62
 - strategic environmental assessments 601–4
 - technical approaches 236, 251–3, 255, 258–9, 261
 - thresholds 236, 258–9
 - UK policy
 - approaches 259, 260
 - assessment of Doha Round 604
 - Blueprint for a Sustainable Economy* 34–5, 38–9, 232
 - definition of sustainability 243–4
 - generally 29, 243–50
 - indicators 249–50
 - integration 245–7, 260
 - legislation 337
 - limits to growth 255
 - planning. *See* planning
 - political values 260–1
 - poverty 244, 245
 - strategy 246–50
 - three-pillar approach 244, 245, 247
 - Switzerland 717
- T25 maize 299–303
- taboos 67–8
- Taff/Ely Estuary 679
- target standards 364
- targeting, UK enforcement policy 392–3
- Tarlock, Dan 562
- taxation
- fuel price escalators 424–5
 - green taxes 422–8
 - hypothecation 425, 454–5
 - landfill tax 454–5
- Taylor, Peter 616–17, 682
- TBT Agreement
- harmonisation of standards 312
 - science and risk 284–303
 - scope 283–4

- Tearfund 230
- technologies
 sustainable development and 236, 251–4,
 258–9, 261
 technological effect of trade 270–1
- telecommunications masts 543, 544–5, 709
- Teubner, Gunther 417
- Tewdwr-Jones, Mark 522–3, 528
- textile industry 328
- Thames Estuary 698, 726
- Thames Water 230
- Thatcher, Margaret 320
- Therivel, Riki 597–8, 610
- Thomas, Urs 311
- Tindale, Stephen 426–8
- Tir Gofal scheme 685
- Toke, Dave 694, 710–11, 717, 744
- Torre Canyon disaster 323–4
- torts, UK pollution 328–30, 341–50
- Town and Country Planning Association 503
- trade *See* international trade
- tragedy of the commons 33, 35–6, 422
- transnational corporations
 development and 241
 distrust, UK GMO debate 196
 EU ethos and 174
- transparency
 Aarhus Convention 98
 EU Commission 407, 411
 planning agreements 511, 679
 planning process 536
 SEAs 598
 UK pollution control 392
- transport
 environmental problem 332
 externalities 423
 local protest campaigns 711
 planning control and 499
 reduction of greenhouse gases 424–5
 road pricing 452–3
- treaties
 environmental law 212
 international standards 311
 WTO and environmental treaties 303–6
- Trebilcock, Michael 318
- trespass 354
- Tromans, Stephen 609
- trust, equitable property 343–4
- Tsachtscher, Axel 2–3, 4, 14, 55, 219
- Turner, Sharon 358–9
- turtles 274–80
- Twyford Down 560, 584, 669, 711
- typhoid 325
- uncertainty
 GMOs 65–6
 precautionary principle 18–31, 653
 scientific uncertainty 11, 13–14, 18–31
- United Kingdom
 access to environmental information 104
 air pollution and poverty 239
 biodiversity action plans 672–3
 BSE crisis 15, 41
 centralisation 534
 Commission for Africa 262–3
 drinking water 408–9
 EIAs. *See* environmental assessments
 environmental law enforcement. *See*
 enforcement
 environmental standards 364, 365, 366
 environmentally sensitive areas 683
 freedom of information 101
 GMOs. *See* GMOs
 government structures 332–4
 green taxes 428
 IPPC licensing
 European contribution 373
 public participation 375
 planning. *See* planning
 pollution control. *See* pollution control
 (UK)
 poverty relief 262–3
 precautionary principle
 Amvac case 29–30
 judicial review tool 31
 public participation. *See* public
 participation
 remedies, interim relief 116–18
 standing rules 379
 sustainability. *See* sustainable development
 waste. *See* waste
 wind farms. *See* wind farms
- United Nations Framework Convention on
 Climate Change 699
- United Nations Millennium Development
 Goals 228, 239, 240, 241
- United States
 1960s 324
 arsenic regulation 26–7
 Colombia space shuttle accident 302
 EIAs 562, 567, 568, 569, 570, 606–7
 endangered species legislation 56
 environmental law theory 4

- National Environmental Policy Act 562,
567, 599, 606
- National Research Council 91
- New Deal 89
- planned cities 473
- property rights 343
- public participation 89–90
- renewable energy 697, 718
- starlink maize 64–5
- strategic environmental assessments 599
- transcendentalists 33
- unilateralism 230
- WTO disputes
GMOs 83, 266
US – Shrimps/Turtles 274–80, 307, 310
US – Tuna/Dolphin 280, 282
- urbanisation 325
- Use Classes Order 514
- Usui, Yoichiro 185
- utopianism 471–5
- vaccines 72
- Virginia, Ross 56, 57
- Vivendi 230
- voluntarism
demise 612, 625–6
EMAS 442–3
management schemes 482, 612
SSSIs 621–2, 625
- voluntary simplicity 49
- Waddenzee* case 180, 651–3, 675
- Waldegrave, William 491
- Wales, wind power 695–6, 702
- Walland Marsh wind farm 614, 655–61, 663–4
- Ward, Ian 173–4, 176
- warfare, Rio Declaration 224
- Warren, Linda 673–4
- waste
criminal liability 454
hierarchy 451
incinerators 132, 457, 516–17
IPPC regime 454
landfill. *See* landfill
oils, EU Directive 161
producer responsibility 456–7
public participation 96, 457–8
recycling 456–8
regulatory techniques 419, 451–8
UK policy 452, 457
waste management licensing 454
- Water for Life 229–30
- water pollution
bathing water, Spain 409–10
drinking water. *See* drinking water
- English enforcement 382–403
case law 383–5
causation 383–5
corporate offences 386
discretion 387–94
legislation 382–3, 386
sanctions 394–403
strict liability 385, 386
- environmental impact assessments 595
- EU directives 56, 365, 595
- international initiatives 229–30
- Isle of Lewis wind farm project 737
- mining 327
- nineteenth-century rivers 330–1
- Nitrates Directive 36–7
- Weale, Albert 353
- Weber, Max 417
- Weiler, Joseph 174, 194
- Welwyn Garden City 502
- West Coast Wind Farms* 700–2, 704
- whaling 14
- Wightman, John 347–8, 349
- wild flowers 689
- wild law 55–6
- Wilkins, Hugh 558–9, 580
- Williams, Rhiannon 407
- Wils, Wouter 160
- Wilson, Edward O. 671
- wind farms
Beinn an Tuirc 679
bibliography 744
Buchan 711
community-owned 716, 717
conservation protests 735–42
environmental assessments 718
Isle of Lewis 697, 705, 735–9
Kentish Flats 548, 563–7
offshore developments 723–9
strategic environmental assessments 465
Walland Marsh 614, 655–61
- environmental conflicts 664, 694–7
aesthetics 695, 696
individualism v. common good 694
issues 695–6
noise 695–6
planning policies 698–719
water supply 696
wildlife impact 698
- Hebden Bridge 711

- wind farms (*cont.*)
- integrating policy making 465
 - Isle of Lewis. *See* Isle of Lewis
 - offshore developments 719–35
 - consultation 728
 - decommissioning 722
 - environmental assessments 723–9
 - Greater Wash 725–6
 - Kentish Flats 548, 563–7, 719
 - licensing 721–3
 - Liverpool Bay 725
 - ministerial guidance 720–1
 - North Hoyle 719
 - Robin Rigg 697, 727, 730–5
 - Scobie Sands 719
 - strategic areas 723–6
 - Thames Estuary 698, 726
 - planning conflicts 698–719
 - central policy 699–709
 - local resistance 709–19
 - statistics 709–10
 - sustainable development 694
 - West Coast Wind Farms* 700–2, 704
 - private investment in public interest 509, 710
 - public participation 462
 - small-scale projects 708–9, 718
 - social gap 462, 489, 712–16
 - Wales 695–6, 702
 - Walland Marsh
 - development derogation 663–4
 - environmental assessment 614, 655–61
 - Winickoff, David 282–3, 301–3
 - Winter, Gerd 4, 15, 185, 503–4
 - Wolsink, Maarten 713, 715
 - women
 - developing countries 51
 - Johannesburg Declaration 228
 - nature and 51–2
 - Rio Declaration 223
 - Wood, Christopher 495–6, 498–9, 599
 - Wood, David 140–1, 167–8
 - Woods, Michael 391, 401–2
 - Woolf, Lord 340–1
 - world heritage sites 707
 - World Solidarity Fund 239, 242
- WTO
- bibliography 318
 - democratic deficit 307–10, 317
 - dispute resolution 265
 - amici curiae* 282–3, 301–3, 307–8, 310, 315
 - disputes. *See* WTO disputes
 - Doha Declaration 267–8
 - Doha Round 604
 - environmental treaties and 303–6
 - European Union and 176
 - future 268–9
 - GATT. *See* GATT
 - GMOs. *See* GMOs
 - objectives 175
 - origins 265
 - policy making powers 265–6
 - public interest and 175, 183
 - reconstruction 306–15
 - domestic or international standards 311–15
 - environmental integration 308, 310–11
 - public participation 307–10
 - scope of regulation 271
 - Seattle protests 306
 - SPS Agreement. *See* SPS Agreement
 - TBT Agreement 283–4, 312
 - transparency 309
- WTO disputes
- Australia – Salmon* 297
 - EC – Asbestos* 273–4, 281–2, 283, 310
 - EC – Beef Hormones* 282, 287–93, 313, 315
 - EC – Biotech* 206–7, 266, 282–3, 284–6, 293, 295, 296–303, 305–6, 310, 315
 - GATT exceptions 272–83
 - Japan – Agricultural Products* 294, 295
 - Japan – Apples* 293–5
 - science and risk 283–303
 - SPS Agreement 284–303
 - US – Shrimps/Turtles* 274–80, 307, 310
 - US – Tuna/Dolphin* 280, 282
- WWF 309, 646, 651
- Wynne, Bryan 18–20, 65, 282–3, 301–3
- Yearley, Stephen 12–14, 18
- young people, Rio Declaration 223