Index

ABC News Online (Australia)
Greenpeace and nuclear phase-out difficulties 42
Adams, John 106
Advisory Group on Greenhouse Gases (AGGG)
formation of 128–9, 130
work of 128–31
Agarwal, Anil 85
AGGG see Advisory Group on Greenhouse Gases
Anderson, David 81
Anderson, Kym 45
Anonymous 152
Antarctic Cooperative Research Centre
sea levels and global warming 170
Anyamba, E. 151, 153
Arhenius, Svante 121, 166
Associated Press
nuclear power and ethical debate 115
Australia
Department of Foreign Affairs and Trade 45, 58
emissions 35
emissions targets 63–4
fossil fuel sector 42–3
Greenpeace and nuclear phase-out difficulties 42
Greenpeace protest pre COP-3 96–7
international agreements and 113
John Houghton broadcast 174
Kyoto process and 73, 74
renewable energy sector 47–8
Austria
Villach Conference 128–30
Baker, Andrew C. 169
Baliunas, Sallie L. 162, 168
Ball, Tim 168
Bantock, J. 51
Baptists and bootleggers
ethical debate 109–12
Kyoto process and 182–5
Barrett, T. P. 151, 153
Barrett, Peter J. 159
Barry, Brian 111
BBC News Online
external use of IPCC reports 173
IPCC ‘peer review’ 141
Beitz, Charles R. 90
Benedick, Richard 4, 5
Berlin Mandate
aims 59–60
compliance and monitoring 70
coverage 60–62
emissions trading 64–7
joint implementation 67–8
national policies and measures 68–9
negotiations under 60
targets 62–4
Berlusconi, Silvio 81
Berner, U. 8, 156
Blair, Tony 49, 81
Boehmer-Christiansen, Sonja
acid rain concerns preceding global warming concerns 39, 123
economic change in post-unification Germany 51
environmental language in Germany 94
green politics in Germany 46–7
interests and international policy process 20, 22
IPCC research and procedures 131, 139
multilateral environment agreement problems 18
nuclear science lobby in Germany 127
scientific and political consensus 5
winners and losers from Kyoto process 184
Bolin, Bert
climate change research and 119, 120, 122
genetic fallacy 118
The Greenhouse Effect, Climate Change and Ecosystems, 124
institutionalising international climate research 129
Bradley, R. S. 157, 158, 159
Brady, Gordon L. 65
Brekke, Paal 158, 159, 168
Brenton, Tony 3–4, 4, 11, 18–19
Briffa, K. R. 158
Brown, Simon J. 156
Bryson, R. A. 122, 123
Budiansky, Stephen 105
Bush, George W.
election as President 77
Kyoto Protocol withdrawal and 36–7, 78, 80, 138, 145
“mass murderer”, labelled as 179
Business Wire Features
Atlantic hurricane damage 171
Calder, Nigel 158
Caldera, Ken 159
Callander, B. A. 136
Callendar, Guy 121
CAN see Climate Action Network
Canada
international agreements and 113
nuclear power 38–9
renewable energy sector 46
Toronto Conference (1988) 53
Cavander, Jeannine 39, 125
CDM see Clean Development Mechanism
Changnon, S. A. 160
Chichilnisky, Graciela 111
Chou, Ming-Dah 33, 162–3
Christensen, Eigil Friis- see Friis-Christensen, Eigil
Christiansen, Sonja Boehmer- see Boehmer-Christiansen, Sonja
Christy, John R. 156, 163, 168
Churchill, R. 132
Clark, William 129
Clean Development Mechanism (CDM)
Emissions reductions and 103
exclusions sought from 100, 101
Climate Action Network (CAN)
Eco case study 98–104
moral agent, as 96, 97
moral discourse employed by 89, 112
climate change see global warming
Coates, I. 160
Cohen, Michael D. 10, 120
Collier, Ute 57
Commonwealth Scientific and Industrial Research Organization (CSIRO)
Climate Impacts Group, 165
Corbyn, Piers 168
Cordioli, E. 160
Courtney, Richard 135, 157, 168
Covey, Curt 159
Craig, Senator 37, 80
CSIRO see Commonwealth Scientific and Industrial Research Organization
Cutajar, Michael Zammit 71, 173
The Daily Telegraph
German Green Party and nuclear phase-out difficulties 41–2
sinks and COP-6 78–9
De Freitas, Chris 168
de Palacio, Loyola see Palacio, Loyola de
Department of Foreign Affairs and Trade (Australia)
emissions reduction 58
energy interests and opportunities 45
Deutsche Physikalische Gesellschaft (DPG)
industrial solutions and economy 127
Dobson, M. J. 160
Donaldson, G. C. 160
Döös, B. R. 124, 129
Douglas, Mary 94, 104, 108
DPG see Deutsche Physikalische Gesellschaft
Duffy, Philip B. 159
Eco (CAN Newsletter)
CAN moral discourse and 98–104
funding of 96
Edelman, Murray 27
Edin, Karl-Axel 127–8
Egan, Daniel 21–2, 23, 24
Ehrlich, Paul 119
Index

Eichner, Volker 10
emissions
  ethical debate 85–8
  levels in EU 35, 51–2
emissions targets
  see also quantified emission limitation and reduction objectives
  Australia 63–4
  Berlin Mandate and 62–4
  EU 57–8, 62–3
  Germany 40
  Japan 63
  Norway 63
  Switzerland 63
  USA 63, 64
emissions trading
  Berlin Mandate and 64–7
  EU 66–7
  Kyoto Protocol and 74–5, 76
  Russia 35–6, 66–7, 82
  USA 61, 65–6, 67
energy sector
  see also fossil fuel energy; nuclear power; renewable energy
carbon taxes 49–50
policy and climate change science 119, 145–6
Environment News Service
climate change policy, as moral basis for spreading energy and security costs 50
external use of IPCC reports 173
environmentalism
  see also international environmental policy
moral crusade, as 104–09
Estrada-Oyuela, Raúl 71, 72, 73, 75
ethical debate
  Baptists and bootleggers 109–12
civil society and its representatives 88–9
evmissions and 85–8
environmentalism as moral crusade 104–09
global society 90–92
Kyoto Protocol, after 98–104, 112–15
norms and interests 92–8
European Union (EU)
  see also individually named member states
Baptists and bootleggers and 181–2, 184–5
Bonn Agreement and 177–8
compliance and monitoring 70
emission levels in 35, 51–2
emissions targets 57–8, 62–3, 64
emissions trading 66–7
environment ministers’ strengths and weaknesses 30
environment policy inconsistencies of 114
‘European Bubble’ 56–7
flexibility mechanisms 79–80
fossil fuel sector 45
international agreements and 114
Kyoto process and 71, 75, 76
  advantages sought by 58–9, 60–61
  costs 34, 180–81
  interests 52
  joint implementation 67–8
  national policies and measures 68–9
  US withdrawal from 80–81
nuclear politics in 38–42
sinks 61, 78–9, 81–2
Evans, David 169
Fagan, Brian 157
FCCC see Framework Convention on Climate Change
Feigenbaum, H. B. 45
Feldman, David Lewis 4, 19
Ferguson, H. L. 131
Filho, Luis Gylvan
  Meira see Meira Filho, Luis Gylvan
The Financial Times
  ‘dash to gas’ in UK 51
  nuclear revival in UK 42
  nuclear revival in USA 41
Finger, Matthias 24
Finland
  First International Conference on Environmental Futures (1971) 122
  nuclear revival in 41
Finnemore, Martha 90–91
Flohnen, Herman 119–20, 121–2, 125
Forest, Chris E. 166
fossil fuel energy
  see also energy sector
climatic change science and 125, 126
gas, UK 51
security and 42–5
Four Corners (Australian Broadcasting Corporation broadcast)
carbon trading and emissions reduction 174
Fourier, Joseph 121
Framework Convention on Climate Change (FCCC)
see also Berlin Mandate; Kyoto process; Kyoto Protocol
1990 base year and 57
extrabudgetary sources 95
objective 54
principles 54–6
Frank, T. M. 87
Frankfurter Allgemeine Zeitung
‘ecological modernization’ in Germany 47
national and energy interests in USA 34
Freestone, D. 132
Freitas, Chris De see De Freitas, Chris
French, Hilary 46
Friis-Christensen, Eigil 158
Fumento, Michael 118, 151
GACGC see German Advisory Committee on Global Change
Gailus, Jeff 40
Galileo (Galileo Galilei) 118
gas see fossil fuel energy
Gelbspan, Ross 118, 170
German Advisory Committee on Global Change (GACGC)
sinks ratios 36
Germany
see also European Union
Advisory Council on Global Change 36
climate change research 121–2, 125
Deutsche Physikalische Gesellschaft 127
‘ecological modernization’ in 47
‘ecology tax’ in 49
emission levels 51–2
emission targets 40
energy policy and climate change science 125–7
Green Party 41–2
Kyoto Protocol ratification 80
nuclear power 38, 39–40, 41–2
climate change and 126–7
ethical debate and 115
renewable energy sector 46–7
Gibbons, Michael 119
Glassman, James 162
global policy see international environmental policy
global warming
see also Intergovernmental Panel on Climate Change
acid rain precedes 123–4
alarmist view of science 148–9
attribution controversy 149–53
challenges in developing responses to 3–4
climatic change models and,
manufacturing scientific consensus with 161–7
global governance needed to combat 2
“hockey stick” and 156–8
how much? 153–6
legal context for mitigation efforts 1–2
malaria myth 159–61
research
brief history 121–3
institutionalising 128–32
nuclear power and 125–7
scientific and political consensus and 4–5, 116–17
solar radiation and 158–9
threat prevails 124–8
Goldstein, Judith 9
Goodin, Robert E. 104
Goodman, Gordon 130–31
Gore, Al 36, 71–2, 78, 160
Gorshkov, V. G. 8
Gorshkov, V. V. 8
Gosovic, Branislav 95
Green Party (Germany)
nuclear phase-out difficulties and 41–2
Greenpeace
climate change alarmism by 171
environmentalism as moral crusade and 105
moral agent, as 93–4, 96–7
nuclear phase-out difficulties and 42
Grubb, Michael 91
Index

The Guardian
national and energy interests in USA 36
nuclear revival in Finland 41
sinks and COP-6 79
Gummer, John 35
Haas, Ernst B. 4, 20, 109
Haas, Peter M. 4, 6, 19, 109
Häfele, Wolf 38, 53, 119–20, 125
Hagel, Chuck 37, 77, 80
Haines, A. 160
Halopainen, E. 122
Hammond, A. L. 85
Hanf, Kenneth
interests
framework agreement and protocol negotiations compared 89
scientific consensus and 175
international environmental policy process, model 26–9
mainstream politics discourse, EU and Kyoto process and 184
multilateral environmental agreement problems 17
policy, vertical disintegration of 11
science and norms, importance of 10
Hansen, James E. 37, 80, 130, 159, 174
Hart, D. 123
Hatch, Michael T. 39, 126
Heal, Geoffrey 111
Helms, Senator 37, 80
Hill, Robert 73
Hirschman, Albert O. 2
Hoffert, Martin I. 159
Hoffman, Stanley 10, 13
Hou, Arthur Y. 33, 162–3
Houghton, John T.
climate change research and 119, 120, 132
IPCC assessment reports and research base 136
IPCC ‘peer review’ and 141, 142
IPCC reports and, external use of 167–8
letter from US State Department to 152–3
pressure on United States government by 173–4
WG I co-chairman, as 133
Hughes, M. K. 157, 158, 159

The Independent
climate change alarmism 171
Climate Change Levy in UK 49
nuclear revival in UK 41
sinks and COP-6 79
interests
carbon taxes and 49–50
energy, opportunities and 33–4
fossil fuel, energy security and 42–5
political, European nuclear 38–42
influence of on international environmental policy 21–6
Kyoto process and 34–8, 52, 177–9, 185–6
norms and, ethical debate 92–8
renewable energy, efficiency and 46–9
technology, economic change and 50–52
Intergovernmental Panel on Climate Change (IPCC)
assessment reports and research base 136–9
attribution controversy and 150–53
climate alarmism and 148–9, 173–5
climate change models and, manufacturing scientific consensus with 161, 165–7
formation of 132–4
“hockey stick” and 156, 157–8
how much warming and 155–6
institutionalization of science of climate change in 116, 117, 143–6
logical fallacies and 118–19
negative impact emphasis by 159, 160–61
organisation and membership of 134–5
origins of 123
‘peer review’ and 141–3
reports, external use of 167–72
solar radiation and 158–9
Special Report on Emissions 165
systemic bias in 139–41
international environmental policy
see also environmentalism
ambivalent science and 18–21, 30–32
climatic change
moral basis for spreading energy and security costs, as 50
negotiations, complexity of 13–15
inconsistencies of EU 114
influence of interests and 21–6
model of process 26–30
multilateral environmental agreements, problems with
16–18, 30–32
IPCC see Intergovernmental Panel on Climate Change
Jacobson, Arnold K. 94
Jacoby, Henry D. 166
Jäger, Jill
acid rain concerns preceding global warming concerns 124
institutionalising international climate research 129, 131
nuclear power and global warming 39, 125
Japan
emissions targets 63
sinks 61, 81, 82
Jasanoff, Sheila 85
Jepma, C. J. 181
Kaufmann, Johan 95
Keating, W. R. 160
Keck, Margaret E. 92
Keeling, Charles 122
Kellogg, W. W. 123, 125
Kellow, Aynsley
empirical disputes, global warming and 155
energy efficiency and renewables 46
interests and international policy process 20, 22
international environmental policy process, model 27
NGOs as moral agents 31, 93
nuclear capacity in Canada 39
Kennedy, Paul 86
Keohane, Robert 9
Kerr, Richard A. 162
Kirsch, Guy 92
Klotz, Audie 91
Knappenberger, Paul C. 142, 153
Kohl, Helmut, 38, 46–7, 112, 114, 126–7
Korten, David 24, 89
Koskenniemie, Martti 15
Kovats, S. 160
Kuhnel, I. 160
Kunst, A. E. 160
Kyoto News
USA and sinks concessions 81
Kyoto process
see also Berlin Mandate; Framework Convention on Climate Change
annual opportunity cost 33
Australia and 73, 74
Baptists and bootleggers and 182–5
COP-4 to COP-6 76–80
EU and 34, 71, 75, 76
failure of 34–8, 82–4
FCCC principles and 54–9
impact assessment of 33–4
insurance policy, as 33, 179–80
interest and negotiating positions 53–4
interests and 34–8, 52, 177–9, 185–6
New Zealand and 75
NGOs and 183–4
nuclear revival justified by 41
outline of 11–12
régime of shared norms important for 180–82
Russia and 73
science, norms and 5–11
USA and 71–2, 73–4, 75
pressed to rejoin 176–7
withdrawal from 34–5, 36–7, 77, 80–82
Kyoto Protocol
conclusion of 70–71
coverage 71, 72
differentiation 71–2
emissions trading 74–5, 76
ethical debate after 98–104, 112–15
German ratification 80
QELROs 71, 72, 73–4
sinks 71, 72–3
USA and
ratification stumbling blocks 75–6
signed by 77
La Viña, Antonio 71, 72
Lacis, A. 37, 80, 174
Laternière, Eric 19, 90
Lal, Depak 111
Leggett, Jeremy K. 96, 118, 152, 170
Index

Lester, James P. 94
Levy, David L. 21–2, 23, 24
Lindblom, Charles E. 4, 21, 22, 111, 182
Lindzen, Richard 33, 138–9, 148, 162–3, 168
Lipschutz, Ronnie D. 90
Lockwood, M. 158
Loftsson, Elfar 94
Longhurst, J. 51
The Los Angeles Times carbon credits 177
Lovins, Amory 119
Lowi, Theodore J. ‘functional prerequisites’ 66
radical politics 106, 182
radical politics discourse, EU and Kyoto process and 184
regulatory policy 22, 26, 27
Lugt, Cornelius van der 16
Lumsdaine, David 3
Lundgren, L. J. 122
Luther, Martin 104
Lysenko, Trofim 7
Macadam, Ian 156
Mackenbach, J. P. 160
Maloney, Michael T. 65
Mann, Michael E. 157, 158, 159
March, James G. 10, 120
Marshall Institute scientific opposition to IPCC and 138
Martindelli, M. 160
Masood, Elhsan 161
Maykut, G. A. 172
McBean, Gordon 168
McCarthy, John 171–2
McCracken, 123
McKibbin, Warwick J. 45
McMichael, A. J. 160
McMullan, J. T. 44
McTegart, W. T. 131
MEA see multilateral environmental agreement
Meacher, Michael 79
media see also individually named newspapers and broadcasters
NGO ‘science’ and 169–72
Meira Filho, Luis Gylvan 71
Meisner, J. 51
Menem, Carlos 77
Merten, D. 51
Michaels, Patrick J. 142, 153, 179–80
Milliken, Roger 112, 183
Ming-Dah Chou see Chou, Ming-Dah
Mintzer, Irving 124
Mitchell, Ronald B. 9–10, 14, 179
Moomaw, W. R. 85
moral discourse see ethical debate
Moreland, Robert 35
The Moscow Times emission trading by Russia 35–6, 82
Mudelsee, M. 106–7, 159
Mueller, Werner 39–40
multilateral environmental agreement (MEA) ambivalent science and 18–21, 30–32
problems with 16–18, 30–32
role of ethics in 89
Nadelmann, Ethan A. 4, 92
Nader, Ralph 37, 111
Naish, Tim R. 159
Narain, Sunita 85
The New York Times energy policy and climate change science in USA 145
New Zealand Kyoto process and 75
NGOs see non-governmental organizations
Nikitina, Elena N. 124
non-governmental organizations (NGOs) see also Climate Action Network; Greenpeace Baptists and bootleggers and 183
environmental negotiation effectiveness 22–4, 25
Kyoto process and 183–4
moral agents, as 92–8
moral discourse employed by 89
representatives of civil society, as 88
‘science’, media and 169–72
Nordhaus, William D. 178
norms interests and, ethical debate 92–8
science and, Kyoto process 5–11
US domestic, South Africa and 91
Norris, William B. 156.
Norway
emissions targets 63
nuclear power
see also energy sector
climate change debate and 120–21
climate change science and 125–6
ethical debate in Germany 115
politics in EU 38–42

The Observer
nuclear revival in UK 41
Oinas, V. 37, 80, 174
O’Keefe, William F. 151–2
Olsen, Johan P. 10, 120
Ostrom, Elinor 16
Oyuela, Raúl Estrada-see Estrada-Oyuela, Raúl

Paavola, Mauno 41
Palacio, Loyola de 114
Paltridge, Garth 164
Panafrican News Agency
climate change models, manufacturing
scientific consensus with 174
external use of IPCC reports 173
need to prepare for global warming 176
Parker, David E. 156
Persson, Goran 80
Pocklington, Roger 168
political consensus
scientific consensus and, global
warming 4–5, 116–17, 146
Polunin, N. 122
Ponte, L. 123
Porter, T. 20
Prescott, John 78, 79
Princen, Thomas 24
Prinn, Ronald G. 166
Prodi, Romano 80
Pront, Jan 79–80, 81
Putnam, Robert D. 13, 15, 113
quantified emission limitation and
reduction objectives (QUELROs)
see also emissions targets
Kyoto Protocol 71, 72, 73–4
Reilly, John M. 166
Reiter, Paul 160, 161

renewable energy
see also energy sector
efficiency and 46–9
technology and economic change and 50–52

Reuters
climate change alarmism 172
‘ecology tax’ in Germany 49
emission levels in EU 35
emission targets in Germany 40
environment policy inconsistencies of EU 114
nuclear revival in Finland 41
nuclear revival in UK 41
nuclear revival in USA 41
sinks concessions to Russia 81
US withdrawal from Kyoto process 80, 81

Roberts, Senator 37, 80
Rodenburg, E. 85
Rosenau, James N. 2
Rotblat, Joseph 86
Rothrock, D. A. 172
Rüdig, W. 127
Ruedy, R. 37, 80, 174
Russia
Bon Agreement and 178
emission trading by 35–6, 66–7, 82
Kyoto process and 73
sinks 81, 82
Santer, Benjamin D. 151, 152, 153, 159, 162
Sato, M. 37, 80, 174
Schell, Jonathon 119
Schere, Wolfgang 172
Schmidt, Helmut 126
Schneider, Stephen 119, 123
Schroeder, Gerhard 49, 80
Schumacher, E. E. 119
Schware, R. 123, 125
science
see also global warming:
Intergovernmental Panel on
Climate Change
ambivalent, multilateral environmental
agreements and 18–21, 30–32
nature of 117–21
<table>
<thead>
<tr>
<th>Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>NGO, media and 169–72</td>
</tr>
<tr>
<td>norms and, Kyoto process 5–11</td>
</tr>
<tr>
<td>scientific consensus</td>
</tr>
<tr>
<td>manufacturing, with climate change models 161–7</td>
</tr>
<tr>
<td>political consensus and, global warming 4–5, 116–17, 146</td>
</tr>
<tr>
<td>scientific controversy</td>
</tr>
<tr>
<td>alarmist view of science 148–9</td>
</tr>
<tr>
<td>attribution 149–53</td>
</tr>
<tr>
<td>climate change models and, manufacturing scientific consensus with 161–7</td>
</tr>
<tr>
<td>“hockey stick” and 156–8</td>
</tr>
<tr>
<td>how much global warming? 153–6</td>
</tr>
<tr>
<td>malaria myth 159–6</td>
</tr>
<tr>
<td>solar radiation 158–9</td>
</tr>
<tr>
<td>Sebenius, James K. 20</td>
</tr>
<tr>
<td>Seitz, Frederick 152</td>
</tr>
<tr>
<td>Shue, Henry</td>
</tr>
<tr>
<td>interests and ethics 25, 88, 90, 91, 109–10</td>
</tr>
<tr>
<td>moral justification and economic self-interest and, 183</td>
</tr>
<tr>
<td>Sikkink, Kathryn 9, 92</td>
</tr>
<tr>
<td>Sinclair Knight Merz 42</td>
</tr>
<tr>
<td>sinks</td>
</tr>
<tr>
<td>EU 61, 78–9, 81–2</td>
</tr>
<tr>
<td>Japan 61, 81, 82</td>
</tr>
<tr>
<td>Russia 81, 82</td>
</tr>
<tr>
<td>COP-5 78</td>
</tr>
<tr>
<td>COP-6 78–9</td>
</tr>
<tr>
<td>Kyoto Protocol 71, 72–3</td>
</tr>
<tr>
<td>ratios in Germany 36</td>
</tr>
<tr>
<td>US withdrawal and COP-6 Part II 81, 82</td>
</tr>
<tr>
<td>Skea, Jim 20, 39, 123, 139</td>
</tr>
<tr>
<td>Skodvin, T. 135</td>
</tr>
<tr>
<td>Skolnikoff, Eugene B. 20, 109, 116, 185</td>
</tr>
<tr>
<td>Sloof, R. 160</td>
</tr>
<tr>
<td>Sokolov, Andrei P. 166</td>
</tr>
<tr>
<td>Soroos, Marvin S. 10, 14, 15, 124</td>
</tr>
<tr>
<td>South Africa</td>
</tr>
<tr>
<td>US domestic norms and 91</td>
</tr>
<tr>
<td>Sprinz, Detlef 20, 57</td>
</tr>
<tr>
<td>Stamper, R. 158</td>
</tr>
<tr>
<td>Stendel, Martin 156</td>
</tr>
<tr>
<td>Stokke, O. S. 87</td>
</tr>
<tr>
<td>Stone, Peter H. 166</td>
</tr>
<tr>
<td>Stott, Phillip 168</td>
</tr>
<tr>
<td>Streif, H. 8, 156</td>
</tr>
<tr>
<td>Strong, Franz Joseph 127</td>
</tr>
<tr>
<td>Strong, Maurice 24</td>
</tr>
<tr>
<td>Subak, S. 85</td>
</tr>
<tr>
<td>The Sunday Times</td>
</tr>
<tr>
<td>nuclear revival in UK 41</td>
</tr>
<tr>
<td>Svensmark, Henrik 158</td>
</tr>
<tr>
<td>Sweden</td>
</tr>
<tr>
<td>energy policy and climate change science 127</td>
</tr>
<tr>
<td>Switzerland</td>
</tr>
<tr>
<td>emissions targets 63</td>
</tr>
<tr>
<td>taxation</td>
</tr>
<tr>
<td>carbon, energy sector and 49–50</td>
</tr>
<tr>
<td>Thatcher, Margaret 45, 51, 112, 120, 122</td>
</tr>
<tr>
<td>The Times</td>
</tr>
<tr>
<td>climate change alarmism 172</td>
</tr>
<tr>
<td>emission levels in EU 51–2</td>
</tr>
<tr>
<td>Kyoto process annual opportunity cost</td>
</tr>
<tr>
<td>33</td>
</tr>
<tr>
<td>nuclear revival in Finland 41</td>
</tr>
<tr>
<td>Tolba, Mustafa 5, 18, 124, 130, 177</td>
</tr>
<tr>
<td>Töpfer, Klaus 95, 173, 174, 176–7</td>
</tr>
<tr>
<td>Trenberth, Kevin 159</td>
</tr>
<tr>
<td>Trittin, Juergen 82</td>
</tr>
<tr>
<td>Ufer, D 51</td>
</tr>
<tr>
<td>Underdal, Arild</td>
</tr>
<tr>
<td>institutionalizing scientific advice 135</td>
</tr>
<tr>
<td>interests</td>
</tr>
<tr>
<td>framework agreement and protocol negotiations compared 89</td>
</tr>
<tr>
<td>scientific consensus and 175</td>
</tr>
<tr>
<td>international environmental policy process, model 26–9</td>
</tr>
<tr>
<td>mainstream politics discourse, EU and Kyoto process and 184</td>
</tr>
<tr>
<td>multilateral environmental agreement problems 17</td>
</tr>
<tr>
<td>policy, vertical disintegration of 11</td>
</tr>
<tr>
<td>science and norms, importance of 10</td>
</tr>
<tr>
<td>UNEP see United Nations Environment Programme</td>
</tr>
<tr>
<td>United Kingdom</td>
</tr>
<tr>
<td>Climate Change Levy 49</td>
</tr>
<tr>
<td>climate change research 121</td>
</tr>
<tr>
<td>‘dash to gas’ 51</td>
</tr>
<tr>
<td>nuclear revival in 41, 42</td>
</tr>
</tbody>
</table>
### Index

<table>
<thead>
<tr>
<th>United Nations Environment Programme (UNEP)</th>
<th>IPCC chair, as 133</th>
</tr>
</thead>
<tbody>
<tr>
<td>climate change research and 124</td>
<td>IPCC TAR and, 11, 136</td>
</tr>
<tr>
<td>moral agent, as 95</td>
<td>Kyoto process and Japan 70</td>
</tr>
<tr>
<td>Villach Conference and 130</td>
<td>solar radiation 158</td>
</tr>
<tr>
<td>United States of America</td>
<td>WCED see World Commission on</td>
</tr>
<tr>
<td>Bonn Agreement and 178</td>
<td>Environment and Development</td>
</tr>
<tr>
<td>climate change research 121–2, 123</td>
<td>Weaver, Andrew 168</td>
</tr>
<tr>
<td>domestic norms, South Africa and 91</td>
<td>Webster, Mort D. 166</td>
</tr>
<tr>
<td>emissions targets 63, 64</td>
<td>WEC see World Energy Conference</td>
</tr>
<tr>
<td>emissions trading 61, 65–6, 67</td>
<td>Weiler, Joseph H. H. 10</td>
</tr>
<tr>
<td>energy policy and climate change</td>
<td>Wigley, T. M. L. 151, 153</td>
</tr>
<tr>
<td>science 145</td>
<td>Wild, M. N. 158</td>
</tr>
<tr>
<td>Kyoto process and 71–2, 73–4, 75</td>
<td>Wildavsky, Aaron 94, 108</td>
</tr>
<tr>
<td>compliance and monitoring 70</td>
<td>Wilford, John Noble 171</td>
</tr>
<tr>
<td>withdrawal from 34–5, 36–7, 77, 80–82</td>
<td>Willetts, Peter 23–4, 97</td>
</tr>
<tr>
<td>Kyoto Protocol and</td>
<td>Winner, Langdon 10</td>
</tr>
<tr>
<td>ratification stumbling blocks 75–6</td>
<td>Winsor, P. 172</td>
</tr>
<tr>
<td>national and energy interests in 34, 36</td>
<td>Wirth, Timothy 151</td>
</tr>
<tr>
<td>nuclear power</td>
<td>Wittrock, Bjorn 119</td>
</tr>
<tr>
<td>climate change and 125–6</td>
<td>WMO see World Meteorological</td>
</tr>
<tr>
<td>revival in 41</td>
<td>Organization</td>
</tr>
<tr>
<td>renewable energy sector 46, 48</td>
<td>Woolfe, Ken J. 159</td>
</tr>
<tr>
<td>Unwin, David 168</td>
<td>World Commission on Environment and</td>
</tr>
<tr>
<td></td>
<td>Development (WCED)</td>
</tr>
<tr>
<td>Vaahtoranta, Tapani 20, 57</td>
<td>acid rain concerns preceding global</td>
</tr>
<tr>
<td>van der Lugt, Cornelius see Lugt,</td>
<td>warming concerns 124</td>
</tr>
<tr>
<td>Cornelius van der</td>
<td>World Energy Conference (WEC)</td>
</tr>
<tr>
<td>Varney, S. K. 136</td>
<td>energy policy and climate change</td>
</tr>
<tr>
<td>Victor, David G. 102, 123, 177, 178</td>
<td>science 119</td>
</tr>
<tr>
<td>Vidas, D. 87</td>
<td>World Meteorological Organization</td>
</tr>
<tr>
<td>Viña, Antonio La see La Viña, Antonio</td>
<td>(WMO)</td>
</tr>
<tr>
<td>Vogel, David 17, 23</td>
<td>climate change research and 124</td>
</tr>
<tr>
<td>Voynet, Dominique 79, 80</td>
<td>IPCC formation and 132</td>
</tr>
<tr>
<td>Walker, R. B. J. 25, 90</td>
<td>Villach Conference and 129</td>
</tr>
<tr>
<td>Wallström, Margot 34, 114, 180</td>
<td>World Resources Institute (WRI)</td>
</tr>
<tr>
<td>Wapner, Paul 90</td>
<td>scientific experts’ conflicts 85</td>
</tr>
<tr>
<td>Warwick, Richard A. 124, 129</td>
<td>Wynne, Brian 16, 20</td>
</tr>
<tr>
<td>Waterton, Claire 20</td>
<td>Yamani, Sheik Ahmed Zaki 144</td>
</tr>
<tr>
<td>Watson, Robert T.</td>
<td>Yandle, Bruce 112, 182</td>
</tr>
<tr>
<td>COP-6 and 166</td>
<td>Young, Oran 179</td>
</tr>
<tr>
<td>energy policy and 119, 120</td>
<td>Young, Zoe 18</td>
</tr>
<tr>
<td></td>
<td>Yu, Y. 172</td>
</tr>
<tr>
<td></td>
<td>Zillman, W. J. 131, 135, 141, 153</td>
</tr>
</tbody>
</table>