

Index

- Althusius, Johannes
theory of federalism 41
- Australia 9, 11, 16, 40, 58, 61, 155–60,
174–5, 182–3, 259, 262, 264
- Australian Capital Territory 68
- Carbon Pollution Reduction Scheme
(CPRS) 163–5
- COAG Water Reform Framework
(1994) 68
- coal mining industry in 182
- Commonwealth Water Act 70
- Constitution of 63
- Council of Australian Governments
(COAG) 159, 161–2, 164–5,
169–75
- Council of the Australian Federation
(CAF) 161, 163, 166, 171–3
- emissions trading scheme (ETS)
162–3
- federal government of 59
- Murray-Darling Basin 63, 67, 69
- Murray-Darling Basin Initiative
(1990) 68
- Murray-Darling Basin Plan 70
- National Emissions Trading Scheme
(NETS) 163, 171, 172
- National Emissions Trading
Taskforce (NETT) 162
- National Plan for Water Security 70
- National Water Commission 70
- New South Wales 11, 59–60, 63–4,
68–9, 71, 75, 164
- Queensland 68, 164
- River, Bow 60
- River, Murrumbidgee 60
- River, Snowy 69
- River, St Mary 60, 62
- River Murray Waters Agreement
(1914) 63
- Victoria 68, 164
- working group on climate change and
water (WGCCW) 163–4,
170–71, 174
- Austria 191
- Belgium 88, 93, 191
- Brussels 6, 90, 111, 120–22
- failure to report RBMP 89
- Berlin Rules (2004)
shortcomings of 92
- Brandeis, Louis
concept of ‘laboratories of
democracy’ 7
- Bulgaria 88, 90, 190
- accession to EU (2007) 91
- Burden Sharing Agreement
provisions of 188
- Bush, George H.W.
environmental policies of 74
- Bush, George W.
administration of 145
- environmental policies of 136, 140
- opposition to Kyoto Protocol 136
- Calvinism 41
- Cameron, David 118
- Canada 7, 9, 11–12, 16, 20, 58, 61, 81,
95, 101, 103–4, 154–60, 174–5,
183, 186, 193, 198–9, 256–7, 260,
266–7
- Alberta 11, 59, 62–5, 67, 71, 75,
95–100, 159, 166–9, 199, 201–3,
205–6, 256, 258–60, 262
- Albert Water Act (1999) 66
- British Columbia 96, 137, 150, 169,
200–201, 203, 263
- Calgary 96

- Canadian Council of Ministers of the Environment (CCME) 166
- Canadian Environmental Protection Act 168
- constitution of 201
- Constitution Act (1867) 62
- Council of Energy Ministers (CEM) 166
- Council of the Federation (COF) 166
- energy infrastructure of 202
- Environment Canada 167
- First Ministers Meeting (FMM) 165–6, 168, 170, 173
- government of 65
- Joint Ministers Meeting (JMM) 166–7, 169, 171–4
- Lethbridge 96
- Mackenzie River Basin Board (MRBB) 97, 102
- Manitoba 137, 169
- Medicine Hat 96
- National Action Program on Climate Change (1995) 167, 199
- National Air Issues Coordinating Committee – Climate Change (NAICC-CC) 166
- National Climate Change Process (NCCP) 166–7, 169, 171–2, 174
- National Climate Change Secretariat (NCCS) 166
- National Implementation Strategy and Business Plan 199
- Natural Resources Canada 167
- Northwest Territories 96–7
- Nova Scotia 202
- oil and gas industry of 182
- Ontario 137, 168–9, 200–201, 203
- Ottawa 62
- Peace/Athabasca/Slave Watershed 97
- Prairie Provinces Advisory Water Board 98
- Prairie Provinces Water Board (PPWB) 96–9, 101–2
- Progressive Conservatives 65
- Quebec 137, 150, 159, 167–9, 199, 201, 203, 257, 263
- Red Deer 96, 99
- River, Mackenzie 94, 103–4
- River, Oldman 65
- River, Peace 94
- River, North Saskatchewan 94, 101
- River, South Saskatchewan (SSR) 94–6, 99, 101, 103, 260
- Saskatchewan 62, 96, 98–9, 202–3, 205, 256
- Saskatoon 96
- Water Resources Act (1930) 65
- Western Water Board Agreement (WWBA) 98
- Yukon Territory 96
- Carbon Capture and Storage (CCS) 172
- Carter, Jimmy
 - environmental policies of 61
- Catholicism
 - social theory of 42
- China 132, 266
- Chrétien, Jean 170, 204
 - Canadian Prime Minister 167
- Climate Alliance 111
 - aims for GHG reduction 253–4
- Conference of Parties (CoP) 131
 - Berlin (1995) 193
 - Copenhagen (2009) 187, 189, 200
 - Kyoto (1997) 187–8
- corporatism 20
- Cyprus 88
- deforestation 18
- Delors, Jacques
 - European Commission President 252
- Denmark 188, 191
 - Copenhagen 125, 127
- Energy Cities 124
 - offices of 122
- Environmental Kuznets Curve (EKC)
 - concept of 17
 - research 17–18
- environmentalism 71
 - political influence of 72–3
- European Coal and Steel Community (ECSC)
 - founding of (1951) 42
- European Commission (EC) 12, 46–7, 111–12, 204–5, 222, 224, 227–8, 230–31, 234–5, 237–43, 250–51

- Annual Survey 240
- Bathing Water Directive 48–50, 52
- Covenant of Mayors (2008) 111, 121–3, 125–6
- Dangerous Substances in Water Directive 48
- Drinking Water Directive 49
- Environmental Action Programme (EAP) 43–4, 47–8
- Fifth Environmental Action Programme (1993) 229–30, 233–4
- Floods Directive (2007) 50
- Fourth Environmental Action Programme (1987) 49, 227–30
 - funding provided by 215
- Laeken Council Declaration (2001) 46
- Large Combustion Plant Directive (1988) 44
- Marine Strategy Directive (2008) 50
- Nitrates Directive 52
 - personnel of 252
- Sixth Environmental Action Programme (6EAP) 235–6, 241
- Urban Wastewater Treatment Directive 53
- White Paper on European Governance (2001) 46, 120
- European Community Treaty 232
 - provisions of 12, 222–3, 237
- European Council 189, 191, 229, 232, 235, 237, 257
 - Dublin Declaration (1990) 228
 - Edinburgh Meeting (1992) 46
- European Court of Justice 12, 51, 93, 223–4, 233, 239, 241–2, 250, 263
 - Community law 216–21, 225–6, 229, 232
- European Economic Community (EEC)
 - Council of Ministers 43
 - Paris Council (1972) 43
 - Treaty of Rome (1957) 42–3
- European Environment Agency 51, 89
- European Network for the Implementation and Enforcement of Environmental Law (IMPEL) 236, 241
- European Parliament 50, 190, 227, 229, 236–8
 - Committee on Legal Affairs 241
- European Union (EU) 3–4, 6–7, 9–12, 16, 29, 39–41, 47–8, 51, 54, 81, 87, 103, 111–13, 120–21, 182–6, 198–9, 206–7, 215, 239, 243, 250, 252, 256, 258, 260, 264–7
- Aarhus Convention 236
 - as example of MLG 4
- Biofuels Directive 117
- Co-generation Directive 117
- Convention on Long-Range Transboundary Air Pollution (LRTAP) 26
- Emissions Trading Scheme (ETS) 148, 189–90, 194–5, 204, 258, 262–3
- Great Lakes Regional Collaboration 26
- Lisbon Treaty (2009) 47, 191
- Maastricht Treaty (1992) 44–5, 225
 - member states of 4–5, 12, 22, 40, 43, 45, 47, 49, 51–3, 87–91, 93–4, 113–18, 121, 123, 184, 187–93, 195, 201, 205, 215–16, 218–23, 225–8, 230–33, 235–40, 242–3, 250–52, 257, 261–4
- Renewable Electricity Directive 117
- Single European Act (SEA) (1986) 40, 44, 116, 190
- Treaty of Amsterdam (ToA) (1997) 46, 190
- Treaty on European Union (TEU) (1993) 190, 216–17
- Water Framework Directive (WFD) 50, 88–93, 104, 252, 261, 263–4
- Federal Republic of Germany (West Germany)
 - environmental policies of 44
 - federalism 16, 19–20, 24, 41, 76, 144, 155
 - administrative 265
 - American 141
 - Canadian 25, 155, 159, 202
 - collaborative 147–8, 255–6
 - executive 165

- German 196
- Federation of German Industry 194
- Finland 191
- 'First in Time, First in Right' (FITFIR)
 - 83, 96, 98, 259–60
 - concept of 82
- First World War (1914–18) 123
- Ford, Gerald
 - administration of 135
- France 89, 191

- de Gaulle, Charles
 - temporary withdrawal of France from EEC 43
- German Democratic Republic (East Germany) 193
 - economy of 194
- Germany 9, 12, 16, 21, 88, 118, 120, 123, 183, 186, 191, 193–5, 198–9, 206, 258, 264
 - Baden-Wuttemberg 195
 - Bavaria 195
 - Brandenburg 197
 - Bundesrat 184, 196–7, 204, 257
 - coal industries of 182
 - Conference of the Environmental Ministers (1973) 197
 - First National Climate Change Mitigation Program 194
 - GHG emissions of 192, 194, 197
 - Hessen 195
 - Lander 192, 194–8, 201, 204, 253, 257
 - Leitfaden Kommunalen Klimaschutz 119
 - Lower Saxony 195
 - Munich 125, 127
 - North-Rhine Westphalia (NRW) 119–20, 194–5, 197–8, 204–5
 - Renewable Energy Act (REA) (2000) 194–5, 199
 - reunification of 193
 - Saarland 197
- Gillard, Julia 164
 - environmental policies of 70, 164
- Global Financial Crisis (2007–9) 258
- Granholm, Jennifer
 - Governor of Michigan 131
- Greece 90–91, 188, 191
 - failure to report RBMP 89
 - greenhouse gas (GHG) emissions 18, 117–18, 149, 151, 158, 184, 257, 261–2
 - reduction costs 12, 181, 187, 202–4
 - reduction targets for 10, 12, 111, 116, 119–20, 122, 125, 127, 131, 136–9, 141, 146, 181, 189, 191, 200, 202, 253, 256
 - vehicular 145
- Harper, Stephen
 - administration of 200, 203
- hierarchical climate governance 112–17, 120–21
 - shortcomings of 125–6
- horizontal climate governance 112, 115–16, 123, 125, 162
 - effects of 112
 - project networks 124
 - sister city arrangements 124
 - transnational city networks 124, 126
- Howard, John
 - administration of 69–70
 - environmental policies of 163
- intergovernmental relations (IGR) 12, 60, 121, 123, 133, 154–5, 159, 165, 168–9, 175, 183, 185, 187
 - centralization of 117
 - horizontal 162, 166
 - institutions of 154–6, 161, 173–4, 184
 - intergovernmental agreement (IGA) 161, 172
- Integrated Water Resources Management (IWRM) 100, 103
 - promotion of 92
 - variants of 87
- Intelligent Energy Europe (IEE) 122
 - aims of 121
- International Freshwater Treaties Database 90
- International Joint Commission (IJC)
 - participants in 62
- Italy 88, 189, 191
 - Rome 242

- Japan 21
- Kohl, Helmut
administration of 193
- Koontz, Tomas M.
Federalism in the Forest (2002) 64
- Kyoto Protocol (1997) 117, 134–5, 167, 170, 200
provisions of 181, 253–4, 257–8
ratification of (2002) 199–200, 203–4
signatories of 136, 162, 168
- Labor Party (Australia)
members of 163–4
land degradation 18
- Layzer, J.A.
Natural Experiments (2008) 64
- Lithuania
GHG emissions of 192
- Luxembourg 191
- Malta 88
- Martin, Paul
administration of 168
micro-regional governance
examples of 26
- Merkel, Angela
administration of 198
- Mesta/Nestos Agreement 90–91, 94
shortcomings of 93
- Meuse/Scheldt Agreement 94
- Mulroney, Brian
Canadian Prime Minister 166–7
multilevel governance (MLG) 4, 10, 15–16, 20, 31, 102, 112–13, 116, 155, 249–50, 253–4, 262–5, 267
concept of 4, 6, 264
impact on environmental
performance 22–3
lack of focus on horizontal climate
governance 115
patterns of 16–17, 27
- National Round Table on Environment
and Economy
report of (2012) 200
neo-corporatism 21–2
- Netherlands 93, 123, 191
Amsterdam 125, 127
Antwerp 90
Bestuursakkoord Nieuwe Stijl (BANS)
Agreement 119, 125
Klimaatcovenant 118–19
Rotterdam 90
Stimulerings Lokale
Klimaatinitiatieven (SLOK)
program 119
- Nichols, Mary
California Air Resources Board Chair
138
non-governmental organisations
(NGOs) 113
- North, Douglass
concept of ‘adaptive efficiency’ 151
- Obama, Barack 151, 168
administration of 140–42, 145
environmental policies of 131, 141, 254
- Poland 189–90
economy of 192
GHG emissions of 192
Warsaw 242
policy cycle stages 24–5
agenda setting 23–4
change 23
evaluation 23, 25
formulation 23–4
implementation 23–5
legitimation 23
pollution 17, 21, 27–8, 44, 51–3, 60, 220
air 17, 166
control policies 18–19, 25, 163–4
water 17, 48–9, 61, 252
- Portugal 188, 191
failure to report RBMP 89
Lisbon 242
- Reagan, Ronald
environmental policies of 25, 135
- Republic of Ireland 191
- Rio Summit 116–17

- River Basin Management Plans (RBMP) 89
 international 91
- River, Danube
 RBMP for 91
- River, Elbe
 RBMP for 91
- River, Ems
 RBMP for 91
- River, Meuse 90–91
 RBMP for 91
- River, Nestos 90–91
- River, Oder
 RBMP for 91
- River, Rhine
 RBMP for 91
- River, Scheldt
 RBMP for 91
- River, Shannon
 RBMP for 91
- Romania 190
 GHG emissions of 192
- Rudd, Kevin
 electoral victory of (2007) 163
 environmental policies of 70
- Russian Federation
 natural gas reserves of 193
- Schroeder, Gerhard
 administration of 194
- Schwarzenegger, Arnold 145
 Governor of California 131, 139
- Second World War (1939–45) 123–4
 shadow of hierarchy
 concept of 8
 examples of 255, 260, 265, 268
- Slovenia
 GHG emissions of 192
- Social Democrat Party (Germany) 198
- Spain 9, 88, 123, 191
 Madrid 242
 River, Ebro 89, 93
 water irrigation in 88
- subnational governance
 concept of 16
- subsidiarity 40–42, 53
 concept of 40
 use as scaling device 52
- Sweden 21, 190–91
 Stockholm 125, 127
- Thatcher, Margaret
 economic policies of 45
- Triptych Approach 189, 193
 concept of 188
- United Kingdom (UK) 19, 21, 88–9,
 117, 188, 191, 258
 British North America Act (1867)
 200–201
 CO₂ reduction in 117–18
 government of 45, 48
 Parliament 200
- United Nations (UN)
 ECE Convention on the Protection
 and Use of Transboundary
 Watercourses and International
 Lakes 91
 Framework Convention on Climate
 Change (UNFCCC) (1992) 131,
 167, 187, 193, 199, 203, 266
- United States of America (US) 7, 9, 11,
 16, 19–22, 40, 58, 61, 81–2,
 103–4, 133–4, 136, 147, 160,
 182–3, 186, 250, 260, 264–8
- Alabama 81, 84
 American Clean Energy and Security
 Act (ACESA) 146
- Apalachicola-Chattahoochee-Flint
 (ACF) river system 84–6
- Arizona 80, 83
 CALFED initiative 73–4
- California 9–11, 24, 26–7, 59–60, 64,
 67, 72–3, 75–6, 80, 135, 137,
 143, 145, 149–50, 152, 259–60,
 262
- Central Valley Project Improvement
 Act (1992) 74
- Chesapeake Bay Commission 26–7
- Clean Air Act 28, 140–41, 145, 255
- Clean Water Act 28, 72
- Climate Security Act 145
- coal mining industry in 182
- Congress 20, 74, 81–5, 136–7, 141,
 143–4, 146, 149, 151, 159, 184
- Constitution of 64, 136

- Endangered Species Act 72–4, 82, 85
- Environmental Council of the States 142
- Environmental Protection Agency (EPA) 140, 148–9
- Environmental Water Account 73, 76
 - federal government of 59
 - Florida 81, 84
 - Georgia 81, 84
 - GHG emissions of 131–2
 - Global Climate Protection Act (1987) 135
 - Global Warming Solutions Act (2006) 24–5
 - Harmon Doctrine 81, 101
 - Metropolitan Water District 72
 - Midwestern Greenhouse Gas Reduction Accord (MGGRA) 137
 - National Ambient Air Quality Standards 28
 - National Association of Clean Air Agencies 142, 144
 - National Association of State Energy Officials 142
 - National Conference of State Legislatures (NCSL) 142
 - National Environmental Performance Partnership System 148
 - National Governors Association 142
 - Northeast States for Coordinated Air Use Management 26
 - Pecos River Compact (1948) 83
 - Regional Greenhouse Gas Initiative (RGGI) 25–6, 29, 137, 140, 148, 150
 - renewable portfolio standards (RPS) 136, 147, 152
 - Republican Party 135, 143
 - River, Colorado 80, 82–3
 - Safe Drinking Water Act Primary Standards 28
 - State and Local Climate Change Program 255
 - South Florida Water Management District 26
 - State Water Resources Control Board 60
 - Supreme Court 7, 80, 82–5, 132, 140, 145, 260–61
 - US Army Corp of Engineers 72
 - Washington DC 72
 - Western Climate Initiative (WCI) 137, 149, 200
- vertical climate governance 112, 114–15, 118, 125–6
 - concept of 120–22
 - variants of 123
- water allocation 59–62, 89–90
 - constitutional policies regarding 63–4
 - interstate 80–82, 85–6
 - large-scale 69, 75
 - regional policies 65–7
- water scarcity 9–10, 63, 68, 87, 95, 150
 - aims to prevent 89, 94
- Wilson, Pete
 - Governor of California 74

