# Index

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

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
evironmental 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
<table>
<thead>
<tr>
<th>Index</th>
<th>273</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual Survey 240</td>
<td>European Parliament 50, 190, 227, 229, 236–8</td>
</tr>
<tr>
<td>Bathing Water Directive 48–50, 52</td>
<td>Committee on Legal Affairs 241</td>
</tr>
<tr>
<td>Dangerous Substances in Water Directive 48</td>
<td>Aarhus Convention 236</td>
</tr>
<tr>
<td>Drinking Water Directive 49</td>
<td>as example of MLG 4</td>
</tr>
<tr>
<td>Environmental Action Programme (EAP) 43–4, 47–8</td>
<td>Biofuels Directive 117</td>
</tr>
<tr>
<td>personnel of 252</td>
<td>Renewable Electricity Directive 117</td>
</tr>
<tr>
<td>Sixth Environmental Action Programme (6EAP) 235–6, 241</td>
<td>Single European Act (SEA) (1986) 40, 44, 116, 190</td>
</tr>
<tr>
<td>Urban Wastewater Treatment Directive 53</td>
<td>Treaty of Amsterdam (ToA) (1997) 46, 190</td>
</tr>
<tr>
<td>European Council 189, 191, 229, 232, 235, 237, 257</td>
<td>Federal Republic of Germany (West Germany)</td>
</tr>
<tr>
<td>Dublin Declaration (1990) 228</td>
<td>environmental policies of 44</td>
</tr>
<tr>
<td>Edinburgh Meeting (1992) 46</td>
<td>federalism 16, 19–20, 24, 41, 76, 144, 155</td>
</tr>
<tr>
<td>European Court of Justice 12, 51, 93, 223–4, 233, 239, 241–2, 250, 263</td>
<td>administrative 265</td>
</tr>
<tr>
<td>Community law 216–21, 225–6, 229, 232</td>
<td>American 141</td>
</tr>
<tr>
<td>European Economic Community (EEC) Council of Minsters 43</td>
<td>Canadian 25, 155, 159, 202</td>
</tr>
<tr>
<td>Paris Council (1972) 43</td>
<td>collaborative 147–8, 255–6</td>
</tr>
<tr>
<td>Treaty of Rome (1957) 42–3</td>
<td>executive 165</td>
</tr>
</tbody>
</table>
**Multilevel environmental governance**

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-Württemberg 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
Länder 192, 194–8, 201, 204, 253, 257
Leitfaden Kommunaler Klimaschutz 119
Lower Saxony 195
Munich 125, 127
North-Rhine Westphalia (NRW) 119–20, 194–5, 197–8, 204–5
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
Index

Japan 21

Kohl, Helmut
administration of 193

Koontz, Tomas M.
_Federalism in the Forest_ (2002) 64

provisions of 181, 253–4, 257–8
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

Luxemburg 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
Bestuursakkord Nieuwe Stijl (BANS)
Agreement 119, 125
Klimaatcovenant 118–19
Rotterdam 90
StimuleringsLOkale
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
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
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
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