Index

Note: Due to space restrictions, many main entries can also be found as sub-entries under the following countries: Brazil, China, European Union, India, Japan, Russia and United States.

Abe, S. 121–2, 123, 129
ability-to-pay principle 6
Abreu, K. 36, 43
advocacy coalitions 13, 14, 183, 196
agent-based modelling 203
Alliance of Small Island States (AOSIS) 53
Annex I countries 2, 32
Asia-Pacific Partnership on Clean Development and Climate (APP) 125–6
Aso, T. 121, 122
assigned amount units (AAUs) 91
Australia 6
authoritarian systems see non-democracies
BASIC countries 5, 32
bootleggers and Baptists’ coalition 28
border tax adjustments 28
bottom-up approach 2, 4–5
Brazil 1, 4–5, 7, 17, 25–45, 185–6, 193
advocacy coalitions 37–9, 40
agribusiness coalition 34, 38
agriculture 26, 30, 31, 34
agriculture plan (ABC plan) 31, 38
ANEEL (Electricity Regulatory Agency) 40
ANP (National Agency of Petroleum, Natural Gas and Biofuels) 42
bancada ruralista 37
biodiversity protection 26, 37
biofuels 26, 33, 41, 43–4
biomass production 41
Brazilian Social Democratic Party (PSDB) 29
bureaucracy 36
business-as-usual (BAU) emissions 26, 27, 29, 31
Chamber of Deputies 35
clientelistic structures 33
Climate Law (2009) 27–30, 35, 40, 44
climate mitigation 26, 38
CO₂ emissions 29, 32, 201
coal 34, 44
Congress 35, 195
Corporation of Agricultural Research (Embrapa) 31
cross-party alliances 37
deforestation and forest degradation 4, 25, 27–30, 33, 37–8, 40–43, 45, 198, 201
Democratic Movement Party (PMDB) 36–7, 40
diversity and natural abundance 33–5
driving forces in climate policy development and implementation 37–43
electricity sector 26, 31, 34, 40–41, 43
energy coalition 41, 42
energy matrix 40
energy resource endowments 188
energy sector 26, 30, 31–2, 38, 198
environmental coalition 41–2, 43
environmental degradation 38
environmental regulations 42
The domestic politics of global climate change

EPE (Energy Research Agency) 40–41
etanol 4, 33, 34, 41, 44, 189
fossil fuels 31, 42, 226
fundamental parameters 33–7
GDP growth 31
GINI coefficient 113
government supply of mitigation efforts 40–41, 194, 199
greenhouse gas (GHG) emissions 17, 26, 27, 32, 38, 201
hydropower 26, 33, 41, 42, 43–4
I=PAT 203
indigenous peoples’ rights 26, 30, 37
Institute of Environment and Renewable Natural Resources (IBAMA) 42
international climate cooperation 32
land use change 25, 38
lobbying 36
low-carbon solutions 26, 30, 43
material parameters 26
Ministry of Agriculture 28, 38, 43
Ministry of Environment (MMA) 28, 30, 38, 40, 43
Ministry of Finance 41
Ministry of Foreign Affairs (MoFA) 28, 44
Ministry of Mines and Energy (MME) 28–9, 37, 38, 44
Ministry of Science, Technology and Innovation (MCTI) 28, 42, 43
Ministry of Transport 39
National Council for Energy Policy (CNPE) 38–9
natural gas 34, 43–4
non-governmental organizations (NGOs) 28, 30, 38, 43
nuclear energy 42, 44
oil 4, 33–4, 201
Petrobras 38, 39, 41
petroleum sector 33–4, 39, 42, 44
policy trajectories 43–5
political parameters 26, 192
political parties and alliances 36–7
political system 35–6
Presidentialism by coalition 35
Secretariat for Strategic Affairs (SAE) 43
sectoral plans 30–32
Senate 35
Social Democratic Party (PSDB) 36–7
societal demand 37–9, 196, 198, 199
solar energy 33, 34, 40–41, 42, 43
South Africa, alliance with 32
supply–demand relationship 41–3
sustainable development 25
transport sector/transportation 4, 26, 31, 34–5, 39, 44, 189
veto players 36, 40, 43
wind power 33, 34, 40–41, 42, 43
Workers’ Party (PT) 29, 36–7
Brown, J. 174
Bush, G.W. 160
Canada 6, 125
Carvalho, F.V. 27, 28
Central and Eastern European Countries (CEECs) 18, 76, 80, 82, 86–7, 89, 198
China 1, 3–6, 7, 17–18, 49–67, 98, 184–5, 193, 815
advocacy coalitions 63–5
Beijing Development and Reform Commission 61
Brazil, alliance with 32
bundling strategies 60
carbon intensity target 66
carbon permits 59
central bureaucracy 58–9
central government’s energy and climate organizations 56–7
climate change 50–55, 56, 60, 61–2, 65
Climate Change Department 58
CO₂ emissions 17, 49, 50, 52–3
coil 50, 52, 54, 60, 62, 65, 66, 190
Communist Party (CCP) 50, 55
Constitution (2008) 63
emissions trading system (ETS) 50, 57–8, 66
pilots 52, 59, 61
energy cap 50
Index

energy consumption 52
energy efficiency 64
energy intensity policy 51, 52, 60
energy security 47
energy use 51, 52
energy-saving policies 61
environmental non-governmental organizations (ENGOs) 17, 63, 64
Environmental Protection Law (1989, 2014) 53
Five-Year Plans 51–3, 58, 66
fossil fuels 52, 191
fundamental parameters 54–7
GDP 52, 53
government supply of mitigation efforts 57–9, 194, 199
green development 51–2
greenhouse gas (GHG) emissions 17, 50, 51, 52, 53, 54, 57, 65, 66, 198
Hong Kong and Macau: Special Administrative Regions 55
hydropower 54
I=PAT 202
institutional parameters 55–7
Iron and Steel Association (CISA) 59
local governments 60–61
low-carbon 47, 53, 58, 61, 64, 67
material parameters 54–5, 187–8
Meteorological Administration 56, 64
Ministry of Environmental Protection (MEP) 55, 58
Ministry of Finance 58
Ministry of Foreign Affairs 56
Ministry of Science and Technology (MOST) 58–9
Municipal Environmental Protection Bureau 62
National Advisory Committee on Climate Change 64
National Climate Change Programme (2007) 51, 57
National Development and Reform Commission (NDRC) 56, 58, 64, 65, 195, 197
National Energy Association (NEA) 58
National Leading Working Group on Addressing Climate Change (NLWGACC) 64
national oil corporations (NOCs) 61
National People’s Congress (NPC) 55, 59, 63
National Plan to Address Climate Change (2014–20) 53
natural gas 52, 66–7, 190
natural resources scarcity 47, 50
oil 47, 54
PM2.5 (fine particle pollution) 17, 59, 62–3, 67
PM10 62, 67
policy trajectories 66–7
political parameters 55–7, 192
pollution 3, 51
air 50, 62–3, 65, 67, 190, 198
fees 59
water 62
public opinion: concern for pollution, not climate 61–2
societal demand 60–66, 196, 199
solar energy 54, 190
State Council 51, 62–3, 64
sulphur dioxide emission fees 59
supply–demand relationship 65–6 ‘10 cities, 1000 green cars’ 59
top-down approach 47, 60
transport sector/transportation 58–9
Twitter 62
US Embassy (Beijing) 62–3
veto players 60
wastewater and solid-waste discharge 59
Weibo 17, 62–3, 67
win-win options 66
wind power 54
China–United States climate agreement (2014) 52–3, 161, 171, 177
Clean Development Mechanism and (CDM) 125
‘climate club’ 203
The domestic politics of global climate change

Climate Group 64
Clinton, B. 160
\( \text{CO}_2 \) emissions 3–4, 16, 183, 184, 185, 198
see also low-carbon
coal 3–4, 187–8, 189, 198
coalitions 195, 203
bootleggers and Baptists 28
see also advocacy coalitions
collective action 13
conceptual framework 6–16, 200–201
fundamental parameters 10–11
interests, institutions and ideas 8–10
null hypothesis 15–16
political factors 8
principal forces 11–15
Conference of the Parties (COP)
2009 (15th) see Copenhagen Accord
2015 (21st) 202
Cancun (16th) 99
Japan (3rd) 119
constructivism (culture) 8–9
‘Cool Earth 50’ initiatives 122
Copenhagen Accord 5
Brazil 27, 29, 32
China 51–2, 53
European Union 84
Japan 121, 122, 125, 136
Cuomo, A.M. 168
Czech Republic 189
decoupling of population growth 201, 203
demand for policies or action 11–13, 15
democracies 12, 15, 191, 193–4, 196, 198
Durban Platform (2011) 53
East Asia Low-Carbon Growth Partnership (LCPG) 126
East Asian Summit of Foreign Ministers Consultation (2011) 126
electricity sector 14, 187, 188, 196
energy resource endowments 14, 183, 188
see also renewable energy
energy security 188, 189, 191, 194
environmental Kuznets curve (EKC) hypothesis 15–16, 21, 185
environmental non-governmental organizations (ENGOs) 4
Estonia 85–6
Europe 125, 133–4
see also Central and Eastern European Countries (CEECs);
European Union
European Union 1, 5–6, 18, 53, 71–91, 126, 176, 185, 189
air pollution 83–4
auctioning revenues 81
automobile manufacturing 90
biofuels 73
biomass 83, 87–8
cap-and-trade system 74
carbon capture and storage (CCS) 74, 80, 83, 87
carbon price 83
Clean Development Mechanism (CDM) 74
clean development mechanisms (CDM) 81
Climate Change Programme (ECCP) 78
cclimate and energy policy framework (2030) 18, 86–7, 88, 89, 198
CO\(_2\) emissions 84, 90
ccoal 76, 80, 83, 86, 87–8, 89, 90
Council of Ministers 82
decarbonization 88
desulphurization facilities 84
development of climate policy 72–5
Directorate Generals (DGs) 78, 79, 84, 195, 679
effort-sharing decision (ESD) 74, 81–3, 87, 91
electricity sector 73, 76, 80, 83, 84, 86, 89, 90, 91
emissions trading system (ETS) 73–5, 80, 81–2, 85–6, 88, 90, 91
for aviation (carbon tax) 111
New Entrants’ Reserve (NER) 83
end-of-pipe technologies 84
energy efficiency 74, 85
energy imports/dependency 76
energy resource endowments 188
Index

energy security 76
environmental non-governmental organizations (ENGOs) 78
EU-15 80
Eurobarometer polls/surveys 80–82, 84–5, 90
European Commission 64, 73–5, 77–8, 80, 81–3, 86, 88, 89, 193, 195
Energy Roadmap (2050) 84
Green Paper 79, 85
European Council 74–5, 77–8, 80, 82, 85–8, 193
European Court of Justice 77–8
European Parliament 74, 77–8, 80, 82–3, 193
fossil fuels 76, 87
GDP 80, 81, 86
governmental supply of mitigation efforts 199
Green Groups 80
‘green’ growth 83
‘Green Growth Group’ 86
‘green’ jobs 80
greenhouse gas (GHG) emissions 71–5, 79–80, 84, 85, 87, 88, 201
I=PAT 203
implementation of climate policies 83–4
initiation of climate policies 79–81
institutions for change 77–8
Kyoto commitment phase (2008–12) 74
leadership-by-example strategy 74–5, 82
liberal intergovernmentalism 75
Linking Directive 74
Lisbon Treaty 78
low-carbon 74–5, 76, 79–80, 84, 89
market stability reserve (MSR) 88
material parameters 188
multilevel governance 75
natural gas 76
negotiation of climate policies 81–3
NER 300 83
Nice Treaty 90
non-emissions trading system (ETS) sectors 81–3, 86, 87
nuclear power 76
oil 76, 79, 90
pilot phase (2005–7) 74
policy outlook 87–8
political parameters 192
pollution
air 83–4
re-packing polices 89, 198
reform of climate policies 85–7
regime approach 75
renewable energy 81, 85
Renewable Energy Council (EREC) 80
renewable energy sources (RES) 74–5, 80, 81–3, 86, 87–8, 91
and Russia 147, 151, 155
shale gas 86, 89
societal demand 90, 198, 199
solidarity funds 86
Strategic Energy Technology Plan (SET-Plan) 80
supply and demand of climate policies 79–87
20-20-20 targets 74, 77, 79, 81
veto players 79–80, 89, 90
fast-start finance 126
Fearon, J. 9
feed-in tariffs 194
Flexible Mechanisms 74, 125, 151
fossil fuels 10, 14, 187, 188–9, 194, 198
fragmentation of decision-making 193–4
France 79, 82
Franchini, M. 28–9
Fukuda, Y. 121, 122
fundamental parameters 10–11, 183
G-77 5–6, 53, 98
G5 countries 99
G8 Summits 99, 122
Germany 76, 79, 82–3, 189
Global Environmental Institute 64
Gore, A. 81
government policies 183, 201
governmental supply 10, 12, 187, 194–6, 199
greenhouse gas (GHG) emissions 1–3, 7, 15–16, 20, 183–6, 189, 201–3

Hallding, K. 57
Hashimoto, R. 121
Hatoyama, Y. 121, 122, 124
Hochstetler, K. 27–9, 36
horizontal drilling see hydraulic fracturing (fracking)
Hu Jintao 63
hydraulic fracturing (fracking)/horizontal drilling 3

I=PAT 15, 16, 20, 183–5, 186, 200–202, 203
India 1, 4–6, 18–19, 95–114, 184–5, 190, 193, 195, 815
adaptation concerns 100
Administrative Service (IAS) 105, 114
air pollution 107, 109, 198
Bharatiya Janata Party (BJP) 110, 114
Brazil, alliance with 32
Cabinet of Ministers 103
carbon sinks 113
Central Pollution Control Board 109
Centre for Science and Environment report 112
civil services 105
civil society 112
Clean Development Mechanism (CDM) 98–9
climate change 95, 104
CO₂ emissions 95, 108
coal 101, 106, 108, 110
common but differentiated responsibility (CBDR) 98
Concurrent List 103
Congress 110
Constitution 103
diesel 104, 107
electricity sector 102, 106, 110, 111
electricity/fuel subsidies 102, 104–5
Five Year Plan (11th) 110
forest and wildlife protection 113
fossil fuels 107, 110, 114, 191
fuel poverty 101
fundamental parameters 100, 101–2
GDP 106
generic forces 107–9
governance parameters 101
Government of India (GoI) 108
National Solar Mission targets 102
governmental supply of mitigation efforts 108, 194, 199
greenhouse gas (GHG) emissions 97, 98
hydropower 98–9, 101–2, 108
incentives 102
institutional parameters 101
administrative system 105–6
judicial system 107
political system 103–5
international and domestic stances on climate change mitigation and adaptation 97–100
kerosene 104
liquefied petroleum gas (LPG) 104
low-carbon 110
material parameters 187–8
natural resource endowments 101–2
Ministry of Coal 106
Ministry of Finance 114
Ministry of New and Renewable Energy 106
Ministry of Petroleum and Natural Gas 106
Ministry of Power (MoP) 106, 108
Ministry of Science & Technology 99
monsoons, extreme weather events and natural disasters 109, 112
National Action Plan for Climate Change (NAPCC) 96, 99–100
National Air Quality Index 109
natural gas 101, 106, 107
natural resource endowments 100
nuclear power 98–9, 101–2, 108
oil 101, 106
Parliament 103
Planning Commission 103, 110, 114
Integrated Energy Policy 108
policy trajectories 100–107, 109–112
political and administrative fragmentation 112
Index

political parameters 192
price-based mechanisms 111
renewable energy 101, 108, 202
societal demand 108–9, 196, 197, 199
solar energy 102, 108, 110–11
State Action Plans for Climate Change (SAPCC) 103–4
State Electricity Boards (SEBs) 108
State List 103
strategic bargaining 99
Supreme Court and High Courts 107
technological advances 102
technology transfer 111
Union List 103
win-win solutions 114
wind power 102, 108, 110–11
institutional parameters 7–8, 10, 182–3, 187
interdependence relationships 16
interests, institutions and ideas 8–10
Intergovernmental Panel on Climate Change (IPCC) 2–3, 7–8, 99–100, 171, 203
International Energy Agency (IEA) 147
Japan 1, 4–5, 19, 119–37, 185, 189, 191
Action Plan to Arrest Global Warming 123–4
advocacy coalitions 197
Atomic Energy Basic Act (1995) 128
biomass 124, 129
business-as-usual scenarios 133
Cabinet 195
cap-and-trade programme 124
carbon tax 123, 124, 132, 135
civil society 134, 135
Clean Development Mechanism (CDM) 125
CO₂ emissions 121, 122, 124, 133, 136
coal 126
council on the Global Warming Issue 122
Democratic Party of Japan (DPJ) 19–20, 121, 123, 131–2, 135
dependent variable: climate change mitigation policy 120–26
Diet 130
domestic measures 123–5
electricity sector 123, 127, 129, 130, 132, 136
emissions trading scheme (ETS) 122–3, 124, 125, 131–2, 134
Energy and Environment Council 128
energy resource endowments 188
energy security 128
environmental non-governmental organizations (ENGOs) 134
feed-in tariff (FiT) 123, 124, 129, 132
forest sink 125
fossil fuels 4, 120, 124, 129, 130, 136, 201
‘Fukuda Vision’ 122
Fukushima Daiichi Nuclear Disaster (2011) 4, 19, 120–21, 123, 135, 201
fundamental parameters 127–31
GDP 127
goal electric power 124, 129, 130
Global Warming Countermeasures (Basic Law) 122–3, 124
governmental supply of mitigation efforts
Great East Earthquake 124, 128
green party 134
greenhouse gas (GHG) emissions 119–25, 128, 137, 201
House of Councillors 130–31
House of Representatives 130–31
hydropower 124, 129, 130
Japan Association of Corporate Executives (Keizai Doyukai) 134
Keidanren (Japan Business Federation) 125, 129, 132–3, 134–5, 136, 195, 197
Liberal Democratic Party (LDP) 19, 121, 131–2, 135, 195, 197
long-term target 121–3
low-carbon 126, 133, 135, 136
material parameters 188
economic recession and industry competitiveness 127–8
nuclear energy and Fukushima
Daiichi nuclear disaster (2011) 128–30
mid-term target 121–3, 129, 132
milestones in climate mitigation policy 121
Ministry of the Economy, Trade and Industry (METI) 128, 130–32, 135, 136, 195, 197
Ministry of the Environment (MOE) 130–31, 132, 134, 136
Ministry of Foreign Affairs (MOFA) 125, 130, 195
natural gas 128
nuclear power 123, 128–9, 130, 136
oil 128
oil crises (1970s) 122, 128
policy trajectory 135–6
political parameters 192
iron triangle (LDP, bureaucratic politics and big business) 130–31, 136
pollution 134, 198
Promotion of the Measures to Cope with Global Warming Law 124
Punishment of Environmental Pollution on Crimes relating to Human Health Law 134
Purchase of Renewable Energy Sourced Electric Utilities Act (2012) 124
Rational Use of Energy Act (1979) 128
Regulation of Nuclear Source Material, Nuclear Fuel Material Reactors Act (1957) 128
renewable energy 124, 129, 136
role in international climate cooperation 125–6
societal demand 199
solar energy 124, 129
Special Measures concerning the Procurement of Renewable Energy by Operators of Electric Utilities Act (2011) 129
Strategic Energy Plan (2014) 129
supply–demand relationship of climate policy 131–5
Supreme Court 130
technological progress 127–8
veto players 135, 136, 192, 197
Voluntary Action Plan (VAP) 129, 131–2, 134, 136
wind power 124, 129
Joint Implementation (JI) projects 125, 146
Kan, N. 128
Kasa, S. 28–9
Keck, M.E. 27–8, 36
Kyoto 2 partners 6
Kyoto Protocol 2, 4–5
European Union 73–4, 91
India 98
Japan 119, 120, 121, 124, 125, 126
Russia 143
Target Achievement Plan (KTAP) 124, 131
United States 160
Lachapelle, E. 9
Li Keqiang 56, 63
Lichbach, M.I. 9
Lieberman, J. 163
Like-Minded Developing Countries (LMDC) negotiation group 53–4, 98
lock-in effect 189
low-carbon 187, 188–9, 194
Lula da Silva, L.I. 27, 28, 29, 30, 37, 40, 44
Madden, N.J. 9
Maldives 6
material parameters 10–11, 14, 182–3, 187–91, 200
McCain, J. 163
Medvedev, D. 153
Mehta, M.C. 107
Minc, C. 28–9
mitigation/damage costs formula 6–8
natural gas 3, 188–9
Netherlands 87
non-democracies 12–13, 14, 15, 193–4, 198, 199
Index

Norway 126
nuclear energy 189, 201
Nuclear Suppliers Group 102
‘null hypothesis’ 15–16, 183–6
Obama, B. 20, 161, 162, 163, 165, 169–71, 173, 182, 197, 201
oil 4
Organisation for Economic Co-operation and Development (OECD) 113, 146
Paterson, M. 9
Perry, R. 173
Pew’s 2013 Global Attitudes Survey 7
Poland 18, 75, 76, 80, 82–3, 87, 89, 189
Effort Sharing Decision (ESD) target 83
Green Investment Scheme 91
societal demand 198
policy distance(s) 13
policy trajectories 201–2
political parameters 11, 182, 187, 191–3
political systems and power 7, 8, 14
polluter-pays principle 6
pollution
air 198
and income 15
population, affluence and technology, impacts of 15–16, 184
power distribution 10
principal forces 11–15
Putin, V. 19, 141, 149, 155, 191, 197
Ramesh, J. 99, 113
rational choice analysis (rationality) 8–9
rebound effects 16
REDD mechanisms 29
renewable energy 188, 189–90, 191, 201–2
Riker, W.H. 9
Romania 85
Rousseff, D. 29, 30, 37, 40
Russia 1, 4–5, 19–20, 125, 126, 141–55, 185, 195
administrative capture 150
associated petroleum gas (APG) flaring 143, 145, 151, 155
autocracy 141
business-as-usual situation 145, 151, 154
Chief Executive 141
climate change 150
Climate Doctrine (2009) and Plan of Action 144, 151
CO2 emissions 4, 142, 143
coil 142, 146, 147, 190
Constitution 149
dependent variable: climate change mitigation policy 144–7
driving forces 150–53
Duma 141, 149, 152, 191
economic interests of domestic actors 151
Edict No. 889 (2008) 145
electricity sector 142, 146, 147, 155
emissions trading standard (ETS) 146
energy efficiency 143
energy resource endowments 147, 188
Energy Strategy of Russia for the Period up to 2030 142, 147
environmental issues 152
exemptions 145
Federal Assembly 149
Federal Law on Energy Efficiency and Energy Savings 145
fines 145
foreign policy interests 151
fossil fuels 4, 142, 145, 146, 149, 151, 154, 197, 202
fundamental parameters 147–50
gas 143, 147–8, 149, 154–5, 197
Gazprom 76
GDP 141–2, 143, 147, 154, 185, 188
Government Decree 7 (2009) 145
Government Decree 1148 (2012) 145, 155
governmental supply of mitigation efforts 150–52, 194, 199
greenhouse gas (GHG) emissions 19, 142–6, 149, 153, 154, 155, 202
hydropower 142, 146, 148
Joint Implementation (JI) 146, 150–51, 153, 193
Levada Center 152
material parameters 147–9
methane \( (\text{CH}_4) \) emissions 142–3
Ministry of Economic Development 153
modernization policy 153
nuclear power 142, 148
oil 142, 143, 145, 147, 149, 154, 155, 190, 197
policy trajectory 153–5
political parameters 149–50, 151, 192
pollution: water and air 152, 198
renewable energy sources (RES) and waste 142, 143, 145–6, 147
sanctions 155
Sberbank 153
shale gas 155
social lock-in 148
societal demand 152–3, 196, 199
solar energy 146
supply–demand relationship 153
systemic lock-in 147
technological advances 153
technological lock-in 148
total primary energy supply (TPES) 145
transport sector/transportation 142, 143, 146, 148–9
and Ukraine conflict 19, 79, 142, 155, 189
United Russia 149
veto players 152, 191, 193
willingness to pay 152
wind power 146
‘window dressing’ policies 143, 151
societal demand 10, 12, 14, 182, 187, 191, 196–9
solar energy 2
South Korea 7
Steinberg, P.F. 8, 21
Stern Review 81
supply of policies or action 11–13, 15
Sweden 85
technological development 16, 183, 189
Teixeira, I. 40
Transparency International Corruption Perception Index 45
Tsebelis, G. 9, 13, 152
Ukraine
transit routes 76
see also under Russia
United Kingdom 6, 79, 142
United Nations (UN) 3, 32, 136
United Nations Framework Convention on Climate Change (UNFCCC) 2, 4, 200
Brazil 202
China 50, 56, 202–3
canonical but differentiated responsibilities and respective capabilities 32
European Union 72, 202–3
India 18, 96, 113, 202–3
Japan 119, 126, 203
preventing dangerous anthropogenic interference with the climate system 7, 10, 185, 201, 203
prospects for negotiations 202–3
United States 126, 202–3
see also Copenhagen Accord
United States 1, 3–6, 7, 20, 160–78, 182, 185
advocacy coalitions 167
agenda-setting 195
barriers to previous federal climate policy 162–3
blocking coalitions 175
cap-and-trade 162, 164, 167
Clean Air Act 161, 169
Clean Energy and Security Act (2009) 162

Sabatier, P.A. 13–14
Saudi Arabia 6
Scandinavia 11
Serra, J. 29
shale gas 21
Silva, M. 28–9, 30, 37
Singh, M. 99
Index

Clean Power Plan (CPP) 164, 165, 170–77
Climate Action Plan (2013) 161, 164, 171, 175, 197
$CO_2$ emissions 20, 161, 164–7, 169, 170–71, 176–7, 202
coil 161, 162, 165, 166, 170–72, 175, 176, 190
coalition builders 169
Congress (legislative action) 160, 162–3, 168, 170, 171, 173, 193, 195, 197
Constitution 176
Cross-State Air Pollution Rule 165, 178
cumulative emissions 98
current climate policy and recent trends 162–5
Democrats 20, 161, 162, 169, 171, 172, 174–5, 176
driving forces 170–75
electricity sector 166, 167, 168, 172, 174, 175
ergy companies 172
ergy resource endowments 176–7, 188
ergy security 162
environmental impact assessment (EIA) 166
environmental non-governmental organizations (ENGOs) 167, 174
Environmental Protection Agency (EPA) 164, 165, 169–72, 174, 176
executive action (Presidential) 168–71, 173, 182, 193, 195, 201
fossil fuels 161, 167, 168, 169, 171–5, 190–91, 197
fundamental parameters 11, 165–70
Gini index 142
governmental supply of mitigation efforts 170–72, 199
greenhouse gas (GHG) emissions 20, 160, 161, 162, 164, 166, 169, 201
hydraulic fracturing (fracking)/horizontal drilling 166, 167–8, 189
implementation phase 175–6
institutional parameters 168–70
and Japan 125
judicial action (Supreme Court) 168–9, 193
lobbying groups 162
low-carbon 172
material parameters 165, 166–8, 176, 187–8
Mercury and Air Toxics Standards 165, 178
methane emissions 168
National Academy of Sciences 171
natural gas 20, 161, 165, 166, 174, 177, 189–90, 202
natural resource endowments 176–7
oil 166, 172, 190
policy trajectory 175–7
political parameters 165, 192
pollution: air and water 165, 198
pollution controls 173
Regional Greenhouse Gas Initiative (RGGI) 164–5
renewable energy 165, 167, 190
Renewable Energy Portfolio standards 174, 176
Republicans 20, 161, 169, 170, 172–5
Tea Party power 162, 175
and Russia 155
Senate 162
shale gas 161, 166–8, 170, 190
shale oil 161, 166
societal demand 171–4, 197, 199
solar energy 167
stakeholder and interest groups 172, 174
supply–demand relationship 174–5
transport sector/transportation 161
veto players 169, 175
willingness to pay 172
wind power 165, 167
zero emissions 174
see also China and United States climate agreement (2014)
values and beliefs embedded in culture and lifestyles 11
VanDeveer, S.D. 8, 21
veto players 8, 9, 13, 21, 183, 196, 198, 200
Victor, D. 1
Viola, E. 28–9
Wan Gang 58–9
Wen Jiabao 63
Wendt, A. 9
willingness to pay 11

winning coalitions 8, 9, 13, 202–3
World Trade Organization (WTO) 151
World Wildlife Federation 64
Xi Jinping 63
Zhang Gaoli 56
Zuckerman, A.S. 9