Index

“Two-Mountains” thesis, 102–103
“Go West” campaign, 93
“I gauge air quality for my motherland” movement, 100
“ita-ita” disease, 44
“scattered, chaotic and dirty” (san luan wu), 143, 179
12th Five Year Plan (2012–2017), 106
13th Five-Year Plan for Ecological and Environmental Protection, 172
2008 Summer Olympics, 95, 96
accountability, 139, 140, 188
Action Plan for the Prevention and Control of Air Pollution, 105, 146
Action Plan for the Prevention and Control of Soil Pollution, 107, 159
Action Plan for the Prevention and Control of Water Pollution, 107, 159, 160
adjusted human capital (AHC), 57
Air Pollution Index (API), 51, 92, 97, 100
Air Pollution Prevention and Control Law, 91
Air Pollution Prevention and Control Law, amended, 107
air quality index (AQI), 65, 97, 100, 101, 104, 109, 113, 114
airpocalypse, 1, 105
Aizheng Cun. See cancer villages
All-China Environment Federation, 169
Alxa SEE Ecological Association, 86
Alzheimer’s disease, 36
American Chamber of Commerce in China, 59
ammonia, 109
antibiotic resistance, 52
antibiotic-resistance genes (ARGs), 52
anti-corruption campaign, 127, 128
APEC blue, 175, 176, 177
arsenic, 42
Asia-Pacific Economic Cooperation (APEC), 106, 133, 176, 177, 180
asthma, 39
authoritarian resilience, 15–16
average life expectancy, 30, 39–40
bandwagon politics, 11
bandwagon polity, 124–127, 181, 191
Baoding, 1, 144, 151
BASF, 182
don’t like, 180
beautiful China, 108
Beijing, 1, 106, 110, 152, 159, 162
2008 Beijing Olympics, 11, 176
Beijing Children’s Hospital, 104
Beijing Consensus, 16
Beijing-Tianjin-Hebei (BTH), 26, 28, 105, 131, 142, 143, 145, 150, 154, 153, 156, 162, 164, 179, 180, 181
Bell, Daniel, 17, 190
Berlin, 54
Bhopal Disaster, 34
black carbon, 75
black-odor rivers, 138, 160
blood lead levels (BLLs), 42, 50, 93, 122
blue algae outbreak, 140
Blue Baby Syndrome, 36
Blue Sky Protection Campaign, Jiangsu, 146
Bo Xilai, 101, 126
Bollyky, Thomas, 191
Brazil, 30
Broad Group, the, 95
INDEX

Brown, Phil, 2
buck-passing, 12, 140
cadmium, 29, 42, 43, 44, 122, 167
cadre evaluation, 13, 137
Cai Qi, 154
campaign against the "four pests", 87
cancer villages, 44–48, 50, 70, 71, 94
carbon dioxide (CO₂), 26, 35, 174
carbon monoxide, 38, 75
cardiovascular diseases (CVDs), 30, 39, See noncommunicable diseases
Carson, Rachel, 85, 86
Cengceng jiama, 138–140
Center for China and Globalization (CCG), 65
Center for Legal Assistance to Pollution Victims, 168
Central Committee of China Association for Promoting Democracy, 100
central environmental protection inspection (CEPI), 144
Central Leading Group for Deepening Overall Reform, 140
Chadwick, Edwin, 33
Chai Jing, 81, 85, 86, 123
Chang Jiwen, 77
Changzhou, Jiangsu province, 169
Chen Guangcheng, 102
Chen Jining, 85, 123, 130, 133, 189
Chen Xi, 134
Chengdu, 152, 170
Chernobyl, 34
dioxin, 50, 70, 71
China Beijing Environment Exchange, 173
China Biodiversity Conservation and Green Development Foundation (CBCGDF), 169
China CDC, 43, 166
China Daily, 98
China Dream, 5
China Environmental Daily, 129
China model, 3, 16, 17, 18, 189, 190, 191
China National Petroleum Corp (CNPC), 93
China Petroleum and Chemical Corporation (Sinopec), 93
China University of Political Science and Law, 168
China Youth Daily, 99
echinadialogue, 166
Chinese Center for Disease Control and Prevention (China CDC), 90
Chinese Communist Party (CCP), 4, 16, 17, 18, 65, 87, 100, 108, 116, 121, 127, 144, 176, 186, 187, 189, 190, 191
Chinese National Cancer Center, 31
Chinese People’s Armed Police, 5
Chinese Science Bulletin, 52
chronic obstructive pulmonary disease (COPD), 32, 36
Clean Air Act, 55, 86
CoalSwarm, 163
color revolutions, 15
councils on foreign relations, 15–16
cookie-cutter approach, 179
Council on Foreign Relations, 52, 111
COVID-19, 192
CRRC Corporation, 171
Cultural Revolution, 88, 89
Dali, Yunnan province, 179
DALYs. See disability-adjusted life-years
DDR, 54
DDR Museum, 54
de facto federalism, 12
dementia, 36, 56
democratic meritocracy, 17
Deng Xiaoping, 90, 125, 184
despotism, 9
Development Research Center, 56
Diamond, Jared, 6
Diamond, Larry, 15
Ding Xueliang, 59
Ding Zhongli, 81, 82
dingyu yizun, 14
dioxin, 50, 70, 71
disability-adjusted life-years (DALYs), 36, 39
Donora, Pennsylvania, 34
East Germany, 54
ecore, 5
ecocide, 5
ecological civilization, 107, 108, 115
ecological trap, 61
Economist magazine, 125
Economy, Elizabeth, 6
Electronic waste, 49–50
Environmental Defense Fund, 172
Environmental impact assessment (EIA), 119
Environmental Impact Assessment Law, 9
environmental NGOs, 166, 168
Environmental Performance Index (EPI), 154, 155
Environmental Protection Law, 169
INDEX

Environmental Protection Law (2014), 107
Environmental Protection Leading Small Group, 90
environmental public interest litigation (EPIL), 168, 169
environmental supervision talks (ESTs), 134, 155, 142, 145
Equatorial Guinea, 58
Exit, Voice, and Loyalty, 63–69
Fallows, James, 29, 186
Feng Yongfeng, 167
Feshbach, Murray, 5
Five-Year Plan (2011–2015), 122
Five-Year Plan (2016–2020), 107
Five-Year Plan for Energy Development, the 13th, 123
Five-Year Study of Water Pollution and Cancer in the Huai River Valley, 47 floating dust, 90
Flue gas desulfurization (FGD), 93, 118
focusing events, 10
Food and Safety Law (2015), 107
food safety, 9, 42–44, 58, 65, 64, 65, 70, 71, 76, 128
food security, 59–60
Foreign Affairs, 17
Foucault, Michel, 191
fragmented authoritarianism, 120
Friendly Jr., Alfred, 5
Friends of Nature, 169, 170
Fujian, 129
garbage control, 147
Gardner, Daniel, 68
gastrointestinal cancer, 47
general agenda, 105
Gill, Bates, 3
Gilley, Bruce, 16
Global Burden of Disease Study, 36, 38, 156
global governance, 5
Global Times, 74, 80, 185
Government Work Report, 157
governmentality, 191
Great Leap Forward, 87, 88
Great London Smog, 34
Greenpeace, 27, 40, 50, 124, 151, 152, 159, 167, 168
Greenstone, Michael, 150
Gu Kailai, 101
Guangzhou, 7, 41, 152, 159, 229, 230
Guangxi, 129
Guo Boxiong, 126
Guterres, António, 5
Ha Jiming, 61
Haass, Richard, 187
Hainan, 175
Hilton, Isabel, 166
Hirschman, Albert, 63
Holdaway, Jennifer, 7
Hu Jintao, 13, 120, 125
Hu Xijin, 185
Huai River Basin, 41
Huang, Yasheng, 17
human development index (HDI), 103
Human, 39, 44, 51
Huo Xia, 50
Hygiene Supervisory and Monitoring Institutes, 90
Hygienic Cities movement, 91
India, 38, 155
individualization of risk, 10
Infore Environment Technology Group, 172
infrastructural power, 157
Institute for Health Metrics and Evaluation (IHME), 58
Institute of Public and Environmental Affairs (IPE), 111, 167, 168
International Olympic Committee (IOC), 95
inverted quarantine, 64
iodine campaign, 91
isolated activism, 72
Japan, 75, 76
Jefferson, Thomas, 191
Jia Qinglin, 92
Jiang Zemin, 13, 125
Jilin Chemical Co, 88
Kaifeng, 1
kaohsiung jibiao
performance targets, 13
Karplus, Valerie J., 174
Ke-shan disease, 87
INDEX

Kindleberger Trap, 79
Koch, Robert, 33
Kurlantzick, Joshua, 17
Kuznets hypothesis, 115

Lagarde, Christine, 5

Lancet, 37
Lancet Planetary Health, 36
Lancet Commission on pollution and health, The, 55
Langfang, 32, 144
Law on Prevention and Control of Air Pollution, 93
Law on Prevention and Control of Water Pollution (1996), 92
lazy governance, 128
lead poisoning, 37, 42, 70, 103
Lennon, Thomas, 67
Lhasa, 104
Li Ganjie, 130, 145
Li Hongzhong, 126
Li Keqiang, 47, 101, 106, 109, 128, 176
Li Zhanshu, 160
Li, Eric, 17
Liebman, Benjamin, 192
Lin, Justin Yifu, 116
Linfen, 134
Linyi, 134, 180
liquefied natural gas (LNG), 182
Li Jianqiang, 68
Liu, Lee, 44
local protectionism, 178
Lora-Wainwright, 9
Los Angeles, 1, 194
lung cancer, 31–32, 39, 41
Ma Jun, 97, 111, 167
Mao Zedong, 4, 25, 124, 125
mass incidents, 62, 67, 69–71
Mearsheimer, John, 187
Meng Qingyue, 109
mental health issues, 50–51
Meuse Valley, Belgium, 34
miasma, 33
Miasmatic Theory, 33
Larzaretto, 33
middle-income trap, 61, 186, 192
Milhaupt, Curtis, 192
Minamata Disease, 34, 88
Minister of Science and Technology, 162
Ministry of Agriculture (MOA), 43
Ministry of Commerce (MOFCOM), 164
Ministry of Ecology and Environment (MEE), 129, 146, 179
Ministry of Finance (MOF), 130, 164
Ministry of Foreign Affairs (MFA), 98
Ministry of Health (MOH), 30, 89, 93, 94, 95, 120, 121
Ministry of Housing and Urban-Rural Development (MOHURD), 48, 150, 147
Ministry of Urban and Rural Construction, 91
Ministry of Water Resources (MWR), 168
Minzer, Carl, 192
Mission China air quality monitoring program, 152
municipal solid waste (MSW), 48
Myers, John Peterson, 51
NASA, 75, 76
Nathan, Andrew. See also authoritarian resilience
National Air Quality Monitoring Network, 109
National Cancer Prevention and Care Week, 105
National Conference on Environmental Protection, 89
National Development and Reform Commission (NDRC), 130, 164
National Energy Administration (NEA), 130, 143
National Environment Monitoring Station (NEMS), 166
national environmental-protection “model cities”, 91
National Health and Family Planning Commission (NHFPC), 30, 165, 166
National Health Conference, 107
National Improved Stove Program, 90
National Natural Science Foundation of China (NSFC), 106, 111
INDEX

National People’s Congress (NPC), 1, 82, 105, 106, 125
Nature University, 167
New York Times, 105, 189
Nimby, 72, 73, 74
nitrogen dioxide (NO₂), 35, 38, 75, 92, 97
nitrogen oxide (NOₓ), 26, 118, 146, 155, 157, 158, 159, 172, 181, 182
non-communicable diseases (NCDs), 30, 32, 34, 35, 36, 58, 191
Nuclear Safety Law (2017), 107
Nujiang Environmental Protection Bureau, 170
Obama, Barack, 106
official protectionism, 178
Oliver, Steven, 102
one-post-two-responsibilities, 141
Ozone, 35, 36, 38, 59, 76, 113, 155, 156, 177, 181, 219
Pakistan, 155
Pan Shiyi, 99, 100
Pan Yue, 122
parade blue, 175
Paris climate agreement, 78, 79
Particulate Matter (PM), 35, 96, 97, 105, 110, 177, 178, 182
PM2.5, 11, 29, 35, 36, 39, 41, 51, 56, 59, 61, 69, 75, 90, 92, 96–116, 117, 143, 150, 151, 156, 159, 177
party-administration shared responsibility, 141
Pasteur, Louis, 33
patriotic hygiene campaign, 33, 87
Pearl River Delta, 28, 150
Pei, Minxin, 17
Peking University, 152
People’s Daily, 96, 116
PM2.5 crisis, 103–105
Politburo Standing Committee, 125
political legitimacy, 5, 6, 54, 63, 65, 66, 190
pollutant discharge permit (PDP), 119
pollution rights trading (PRT), 172
principal-agent problem, 11
problems of campaign-style enforcement, 175
Proceedings of the National Academy of Sciences, 39
promotion tournament model, 140
public-private partnerships (PPP), 171, 173
Qidong, 70, 73
Qilian Mountains, 145
Quglang, 67
Qu Geping, 53, 55, 89, 112, 117
Qunar.com, 60
RAND study, 182
rare-earth elements (REE), 74–75
red alert, 1, 60
regime complexes, 130
regional supervision centers (RSCs), 118, 141
regulation based on location (shudi guanli), 128
responsibility for life, 140
Ringen, Stein, 192
river chiefs (hezhang), 140
Rogge, Jacques, 95
Sachs, Jeffrey, 52
Sanya, 104
schistosomiasis, 87
Severe Acute Respiratory Syndrome (SARS), 10, 19, 76, 100
Shambaugh, David, 17
Shandong, 75
Shanghai, 7, 71, 147, 152, 159, 170
Shenyang, 152
Shenzhen, 159
Shijiazhuang, 1, 151
Shirk, Susan, 102
Silent Spring, 85, 86
Sina.com, 98
smoking, 40
Société Générale, 115
Soil Pollution and Control Law (2018), 107
Songhua River, 88
South China Morning Post, 98
South Korea, 75, 76
specialized agenda, 105
sperm quality, 51–52
State Council Information Office, 30
State Council, the, 93, 94, 105, 144, 158, 171
State Environmental Protection Administration (SEPA), 91, 92, 93, 94, 95, 118, 120, 121, 122, 172
State Environmental Protection Agency (SEPA), 28, 53, 91, 112, 117, 118, 119

© in this web service Cambridge University Press
www.cambridge.org
INDEX

State Food and Drug Administration (SFDA), 90
State-owned Assets Supervision and Administration Commission (SASAC), 130
sulfur dioxide (SO$_2$), 26, 35, 38, 51, 75, 92, 97, 118, 120, 146, 153, 157, 158, 172, 185
Sun Yuefei, 44
Sun Zhengcai, 126
Szasz, Andrew, 64
Taiyuan, 81
target responsibility pledge (mubiao zeren shu), 136
Tengger Industrial Park, 136
Thompson, Mark, 17
Three-year (2018–20) Action Plan for Winning the Blue Sky War, 146
tianxia, 79
Tibet, 39
Time magazine, 98
Total emission control (TEC), 119
Total Suspended Particulate, 28
Township and Village Enterprises (TVEs), 25, 45
Trash and public health, 48–50
Trial Approach to Environmental Health in Environmental Protection, 115
Trump, Donald, 5, 78
Tsinghua University, 17, 133, 151
tungsten, 80
two sessions (lianghui), 176, 177, 178
US CDC, 36
US Department of State, 78
US Embassy, 96, 98, 99, 100, 102
US Environmental Protection Agency (EPA), 29, 35, 86, 97, 104, 124
US mission, 11, 101
Ukraine, 30, 34
UN Conference on Environment and Development, 92
UN Conference on the Human Environment (UNCHE), 89
Under the Dome, 85, 86, 113, 123
UniGroup Relocation, 59
United Nations Climate Change Conference (COP21), 2015, 78
United Nations Environment Program (UNEP), 95
University of Maryland, 82
value of a statistical life (VSL), 57, 58
Van Rooij, Benjamin, 46
Volatile Organic Compounds (VOCs), 118
Wan Li, 184
Wang Anshun, 117
Wang Lijun, 101
Wang Wuyi, 7
Wang Yi, 26
Wang Yue, 26
Warrant of Quangng, 67
waste-to-energy (WTE), 50
Water Pollution and Control Law (2008), 107
Weiss, Jessica Chen, 187
Weitai River, 160
Wen Jiabao, 184, 19, 47, 94, 100
WHO/UNEP/ADB High-level Meeting on Health and Environment, 94
WikiLeaks, 94
World Bank, 57, 58, 93, 94
World Health Organization (WHO), 29, 35, 37, 51, 52, 56, 95, 99, 104, 110, 156, 176
WHO Commission on Macroeconomics and Health, 55
World Political Parties Dialogue, 18
Wu Shuangzhan, 5
Wu Xiaoqing, 68
Wuxi city, 140
Xi Jinping, 3, 13, 16, 17, 18, 61, 63, 74, 78, 86, 102, 106, 107, 108, 117, 122, 124, 126, 128, 134, 136, 144, 147, 148, 149, 187, 191, 192, See also “Two Mountains” thesis
Xiamen PX incident, 69, 70, 73, 74
Xie Zhenhua, 92
Xu Caihou, 126
Yale Environment 360, 67
yali chuandao cengceng dijian, 139
Yang Chaofei, 67
Yang Gonghuan, 41, 94
Yang Shuping, 82
Yang, Dali, 18
Yang, Ruby, 67
Yangtze River Delta, 28, 150
Yu Keping, 18
Zhang Gaoli, 106, 144
Zhang Yuanhang, 98
Zhao, Dingxin, 62
Zhang Yi, 26
Zhao, Dingxin, 62
## INDEX

<table>
<thead>
<tr>
<th>Place/Person/Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zhejiang Daily, 103</td>
</tr>
<tr>
<td>Zhengzhou, 179</td>
</tr>
<tr>
<td>Zhenjiang, 129</td>
</tr>
<tr>
<td>Zhong Nanshan, 96, 100</td>
</tr>
<tr>
<td>Zhongjin Environment Co, 172</td>
</tr>
<tr>
<td>Zhou Enlai, 87, 88, 89</td>
</tr>
<tr>
<td>Zhou Shengxian, 105, 131</td>
</tr>
<tr>
<td>Zhou Shenxian, 67</td>
</tr>
<tr>
<td>Zhou Yongkang, 126</td>
</tr>
<tr>
<td>Zhouzhou village, 182</td>
</tr>
<tr>
<td>Zhu Rongji, 40</td>
</tr>
<tr>
<td>Zhumadian, 142</td>
</tr>
</tbody>
</table>