

Index

- “Two-Mountains” thesis, 102–103
- “Go West” campaign, 93
- “I gauge air quality for my motherland” movement, 100
- “itai-itai” 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
- 19th Party Congress, 108, 115, 127
- 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
- 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, 155, 156, 162, 164, 179, 180, 181
- Bell, Daniel, 17, 190
- Belt and Road Initiative, 6, 79, 187
- 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 jiaama, 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
 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
chinadialogue, 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
 complexity of environmental health issues,
 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
 despotic power, 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
 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, 135, 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, 63, 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
 Guiyu, 49
- Guo Boxiong, 126
 Guterres, António, 5
- Ha Jiming, 61
 Haass, Richard, 187
 Hainan, 39, 60
 Harbin, 104
 Health Effects Institute (HEI), 156
 Healthy China 2030, 108
 heavy metal contamination, 7, 29, 42–44, 70
 Hebei, 26, 39, 130, 145, 158, 163, 181, 182
 Henan, 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
 Hunan, 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
kaohe zhibiao
 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
 Lieberman, Benjamin, 192
 Lin, Justin Yifu, 116
 Linfen, 134
 Linyi, 134, 180
 liquefied natural gas (LNG), 182
 Liu Jianqiang, 68
 Liu Yanhua, 64
 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 Environmental Protection (MEP), 2, 21, 28, 29, 47, 57, 66, 67, 85, 98, 100, 102, 111, 112, 114, 115, 119, 120, 122, 123, 124, 129–135, 139, 141–146, 149, 152, 164, 165, 166, 168, 171, 175, 179, 181, 182, 183
 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, 130, 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 Health Action Plan (2007–2015), 94, 120, 131, 165
 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 (NO_x), 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
 Nuijiang 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
 PM10, 38, 51, 90, 92, 95, 97, 101, 105, 110, 177, 178, 185
 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, 3, 6, 54, 63
 performance-based, 4, 63, 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
 Qiugang, 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

INDEX

- State Food and Drug Administration (SFDA), 90
 State-owned Assets Supervision and Administration Commission (SASAC), 130
 sulfur dioxide (SO₂), 26, 35, 38, 51, 75, 92, 97, 118, 120, 146, 155, 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, 18
 Wang Yuesi, 26
Warriors of Qiugang, 67
 waste-to-energy (WTE), 50
 Water Pollution and Control Law (2008), 107
 Weiss, Jessica Chen, 187
 Weitan River, 160
 Wen Jiabao, 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
wumai, 38
 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

INDEX

- Zhejiang Daily*, 103
Zhengzhou, 179
Zhenjiang, 129
Zhong Nanshan, 96, 100
Zhongjin Environment Co, 172
Zhou Enlai, 87, 88, 89
- Zhou Shengxian, 105, 131
Zhou Shenxian, 67
Zhou Yongkang, 126
Zhouzhou village, 182
Zhu Rongji, 40
Zhumadian, 142