

Index

- accountability, transparency and, 26
- ADEME. *See* French Environment and Energy Management Agency
- agrarian reform, 60, 62, 65
- agroforestry, 59–60
- alternative energy paths, 14
- Amazon, 11–12, 52, 58–60
 - indigenous land rights in, 63–64
 - oil companies in, 61
 - as subordinate, 69–70
- Amazonians, 52
- Arun-3 project, 85, 92–97, 102
- Aswan Dam, 11
- Atomic Energy Act of 1962, 32
- Atomic Energy Commission, 36
- authoritarianism, 26, 29
- authority, forms of, 1–2

- biopolitics
 - power and, 27
 - productivity of, 187–88
 - proposals for modern, 26
 - of state, 111
- biopower, 6
 - nuclear, 28–29
 - side-effects of, 46n6

- Borja, Rodrigo, 63
- Boyer, Dominic, 2–3, 5, 11, 15, 28–29, 43, 182, 185–86

- cambio de la matriz energética* (shift of the energetic matrix), 53, 67–74
- capitalism
 - cancer stage of, 43–44
 - shareholder capitalism, 90
- carbon capture and storage (CCS), 12, 111, 116–21, 127
- carbon emissions, 36
- carbon market, 112
- carbon modernity, 186
- carbon reduction infrastructure, in Poland, 116–21
- CCEP. *See* Climate Change and Energy Package
- CCS. *See* carbon capture and storage
- Chernobyl, 46n5
- citizens
 - future and, 9–10
 - marginalization of, 152
 - response of, 189
 - second-class, 13
 - water and, in Nepal, 92

- citizenship, 6, 90
 biological, 46n5
 claim to, 37–38
 energy citizenship, 9–10
 revoking, 42
 shareholder citizenship, 10
 Citizens Revolution, Ecuador,
 65–66, 70–73
 civil disobedience, 40
 climate change, 3, 10
 challenges of, 159
 consequences of, 183
 electromobility and, 12
 energy security and, 111
 nation and, 189–93
 Nepal impacted by, 88
 Climate Change and Energy
 Package (CCEP), 109, 115–16
 coal, 116–18, 128, 169, 190
 colonial exploitation, 36
 colonialism
 internal, 13
 nuclear, 46n10
 colonization, 7, 12
 in Ecuador, 53, 58–62, 65
 slavery and, 29
 communities, 1. *See also* indigenous
 communities
 marginalization of, in Global
 South, 43
 of resistance, 149–50
 solidarity and, 16, 192–93
 conservation, resource sovereignty
 and, 13
 consumer culture, 5, 30
 consumption practices, 157, 170–71
 contamination, fear of, 37
 corporate ethics, 5
 corporate responsibility, 5
 corporations, 5, 8, 31, 65, 72, 114
 Correa, Rafael, 11–12, 65–67, 72

 Dakota Access Pipeline, 150
 damage compensation, 143, 146–52,
 153n12
 dams, 11–12, 66, 89, 93

 death
 centrality of, 28
 politics of, 6
 productivity, waste and, 15
 of protestors, 39–40
 sociopolitical, 38
 death penalty, 41
Democracy in America (de
 Tocqueville), 184
 depoliticization, 3–4
 deterritorialization, 15
 disconnection, 7
 discourse
 on electromobility, 128
 positive, 186
 surrounding CCS, 127
 displacement
 as brutal, 6
 oppression and, 11
 distribution
 channels of, 171
 of climate change effects, 189
 of heat, 167
 of political power, 186

 earthquakes
 in Nepal, 90
 in Netherlands, 133, 136–52
 ecocide, 38, 42
 ecology, 164–69
 economic interests, 1, 13
 economics, 164–69
 economy in transition (EIT), 112
 economy of anticipation, 10
 economy of knowledge and power,
 5
 Ecuador, 11–12, 188–90. *See also*
 Amazon
 colonization in, 53, 58–62, 65
 dictatorships in, 65
 electric lines in, 64
 indigenous leaders in, 52
 invasion of, 57–58
 land distribution in, 59
 progress in, 70–71
 regions of, 53–54

- Ecuadorian Institute for Agrarian Reform and Colonization (IERAC), 58–59, 63
- EIA. *See* Environmental Impact Assessment
- EIT. *See* economy in transition
- electric grid, 6
- electric infrastructures, costs of constructing, 8
- electricity, 5–7, 27
 - accessibility to, 157
 - consumption of, 161
 - generation of, 11
 - global supremacy and, 40
 - incorporation of, 43
 - production of, 113
 - water and, 65–69
- electric lines, in Ecuador, 64
- electric vehicles (EVs), 111, 121–26, 190
- electromobility, 12, 109, 111, 121–28
- electropolitics, governance and, 25
- elitism, 33–34
- emotions, 2
 - infrastructures and, 9
 - practices and, 5
- energetic challenges, 3
- energopolitical regimes, 1
- energopolitics, 5, 8, 15, 110–11, 186–87
 - era of, 182
 - influence of, 157
 - in Poland, 112–16
- energopower, 11
 - Boyer proposal for, 43
 - postcolonial state and, 28
- energy
 - concepts of, 72
 - culture, power and, 5
 - fictive energy, 73
 - as fuel, 180
 - metaphors and, 184–86
 - multiple concepts of, 54
 - political anthropology of, 1
 - political theory and, 16
 - politicizing, 3–4
 - risks and consequences related to, 181
 - theory of, 2
- energy anthropology, 2, 3, 10–11, 27, 110, 180
- energy bureaucracies, 4
- energy capacities, 2
- energy citizenships, 9–10
- energy conflicts, 15
- energy consumption
 - control of, 174–75
 - habits surrounding, 14–15, 183–84
- energy imagination, 12
- Energy Information Agency, US, 120
- energy infrastructures, 1, 4
 - deployment of, 6
 - emotions and, 9
- energy politics
 - governance and, 5
 - in Poland, 127–28
- energy production sites, 4
- energy security, 13, 90, 97, 111
- energy sovereignty, 6–9, 91, 97, 103
- energy studies, 2
- energy systems, 3–4, 10–11, 14, 74, 162
- energy technologies, 1, 3
- energy transition, 72
 - French-style, 162–64
 - policies for, 52
 - research into, 156–57
- energy trilemma, 165–66
- entropic disorder, 185
- Environmental Impact Assessment (EIA), 98
- epistemological turns, 3
- ethics, corporate, 5
- ETS. *See* Emissions Trading System
- EUAs. *See* European Emission Allowances
- EU ETS. *See* European Union Emission Trading Scheme
- European Commission, 12, 111–13, 116–20

- European Emission Allowances (EUAs), 113, 120–21
- European Union Emission Trading Scheme (EU ETS), 112–14
- EV. *See* electric vehicle
- evolutionist theory, 2
- expertise, 191
- expert knowledge, 187
- experts, 105n2
- nuclear, 34
 - studies of, 2
 - water, 94
- extraction
- of gas, 10, 133–52, 190
 - of oil, 65
 - political debates about, 142
 - of resources, 2, 9
 - violence and, 183
- following the herd, economics, ecology and, 164–69
- fossil fuels, 3–4, 54
- Foucault, Michel, 28–29, 110, 174, 186
- France, 156–69
- Francis, Sahayam, 40
- French Environment and Energy Management Agency (ADEME), 159, 164, 168
- fuel
- energy as, 180
 - fossil fuels, 3–4, 54
 - harnessing, 5
- future
- citizens and, 9–10
 - conceptions of, 2
 - energy futures, 16, 113, 152
 - future-making, 89, 92, 102
 - imagined, 16, 93, 96, 101, 112–14
 - of Poland, 123
 - water, nationalism and, 94
- Gandhi, Rajiv, 31
- gas. *See also* greenhouse gas
- discovery of, in Netherlands, 135–36
 - extraction of, 10, 133–52, 190
- General History of Ecuador* (González Suárez), 56
- genetic mutation, radiation and, 42
- geo-metrics, of power, 9
- geontopower, 6
- geopolitics, 5
- GHG. *See* greenhouse gas
- globalization, 43–44
- Global North, 11, 26, 45n2, 45n4
- Global South, 11, 26, 43, 134
- González Suárez, Federico, 56
- ‘good life,’ 6
- good living (*sumak kawsay*), 63–65, 70–71
- Gorakhpur Nuclear Power Plant, 41
- Gorbachev, Mikhail, 31
- governance
- electropolitics and, 25
 - energy politics and, 5
 - of life, 6
 - nature of contemporary, 192
 - new forms of, 7–8
 - resource governance, 90
- government, 26
- grid government, 44
 - of Poland, 121
 - relationships with, 142–44
 - wood and, 174–76
- governmentality, 11, 13, 26
- Green Effort Group, 113
- greenhouse gas (GHG), 8, 119
- grid, 7, 27, 43–44
- heating practices, 14, 167–68, 172–76
- hierarchies, 2, 34
- High, Mette, 3
- human development, 2
- human rights, 2
- hydroelectricity, 54
- capacities for, 11, 66
 - grid-bound, 72–73
- hydronationalism, 82
- hydropower, in Nepal, 12, 81–104

- hydropower development, 86,
105nn1–3
intensification of, 103
shareholder model of, 89, 185
- IAEA. *See* International Atomic Energy Agency
- IERAC. *See* Ecuadorian Institute for Agrarian Reform and Colonization
- imaginaries
of nationhood, 7
of productivity, 110
- IMF. *See* International Monetary Fund
- India, 25–44, 45n1, 86, 90, 93–97
India-US civilian nuclear agreement, 30–31
- indigenous communities, 55–56
enthusiasm of, 95
mobilization of, 63
- indigenous leaders, in Ecuador, 52
- Indigenous movements, 61–64, 70
- inevitability syndrome, 15
- infrapolitics, 6
- infrastructures
carbon reduction, 116–21
costs of constructing electric, 8
deployment of energy, 6
emotions and, 9
energy, 1, 4
- International Atomic Energy Agency (IAEA), 31
- International Monetary Fund (IMF), 52
- Itaipú Dam, 11
- John, Anthony, 38, 40
- knowledge, 2, 5, 186
culture and, 55
expert, 187
hegemonic, technological, 15
role of, 134
scales of, 187
of wood, 170–73
- knowledge-making, 16
- Kudankulam Nuclear Power Plant, 12, 24–25, 44, 145, 188
history of, 31–32
protests against, 38–41
- labour coercion, 55
- land distribution, in Ecuador, 59
- landscape, 9, 59, 157
- Law on Energy Transition and Green Growth (TECV Law), 163
- marginalization, 145
of citizens, 152
of communities in Global South, 43
cultural and political, 13
- materialities
brutal, 11
energy, 1
of ruin, 13
- Mbembe, Achille, 6, 28–29, 187–88
- migrants, 98
- migration, 92
- militarization, 25, 37
- mineral rights, 137–38
- modernity, 6–7, 57, 186
- Mora, Ayala, 55
- Morawiecki, Mateusz, 121–22
- Moreno, Lenin, 67
- Mugilan, R. S., 41
- multi-sited ethnography, 8, 45n1
- Nader, Laura, 2
- narratives
collected, 142–43, 152n1
of hydropower in Nepal, 12
nationalist, 15
neoliberal, 1
- nation, climate and, 189–93
- National Forests Office, France (ONF), 158–59, 164
- nationalism, 6, 94
- nationalization, 9
- nationhood, imaginaries of, 7

- necropolitics, 6, 28, 33
 neo-Brahmanism, 33–34
 neoliberal deregulations, 15
 neoliberalization, 65, 192
 Nepal, 189–90
 citizens and water in, 92
 climate change impact on, 88
 earthquake in, 90
 hydropower in, 12, 81–104
 national security in, 34
 ‘Nepalko Paani, Janatako Lagaani’
 refrain (NPJL), 84–91, 99–104
 Nepal Stock Exchange, 89, 97
 Netherlands, 13–14
 discovery of gas in, 135–36
 earthquakes in, 133, 136–52
 protests in, 145, 148
 non-governmental organizations
 (NGOs), 6–7, 63, 115
 NPJL. *See* ‘Nepalko Paani, Janatako
 Lagaani’ refrain
 NSG. *See* Nuclear Suppliers Group
 nuclear biopower, 28–29
 nuclear energy, 30–31
 nuclear installations, 6
 nuclear power plants, 28–29, 36.
 See also Kudankulam Nuclear
 Power Plant
 nuclear power stations, 29
 Nuclear Suppliers Group (NSG),
 31
 nucolonization, 35
 off-grid systems, 9–10
 Officials Secret Act of 1923, 32
 oil
 as currency, 67
 extraction of, 65
 indebtedness built on, 74
 supplies of, 160
 switch to, 9
 oil imperialism, 3
 oil subsidies, 11–12
 ONF. *See* National Forests Office
 oppression, displacement and, 11
 Özden-Schilling, 7–8
 parallel economy, 169–72
 People’s Movement Against
 Nuclear Energy (PMANE), 35,
 37–38
 petrocultures, 5
 PMANE. *See* People’s Movement
 Against Nuclear Energy
 Poland, 8, 109
 carbon reduction infrastructure
 in, 116–21
 energopolitics in, 112–16
 energy politics in, 127–28
 EVs in, 123–26, 190
 governments of, 121
 Police, 38–39
 political anthropology, 1, 184, 193
 political ordering, statecraft and,
 7–9
 political resistance, 9
 political structures, 7, 10, 159–62
 political theory, energy and, 16
 politics
 of electricity generation, 11
 prognostic, 102
 politics of death, 6
 post-colonialism, 5–6
 Povinelli, Elizabeth, 6
 power
 biopolitics and, 27
 centralization of, 7
 energy, culture and, 5
 geo-metrics of, 9
 soft, 5, 28
 structural, 74
 Power Summit, 81–84, 101
 practices, emotions and, 5
 productivity, 123–27, 191
 of biopolitics, 187–88
 concept of, 111
 death, waste and, 15
 Programme for Electromobility, 124
 progress
 in Ecuador, 70–71
 energy and culture, 3
 protesters
 anti-nuclear, 38–42

- death of, 39–40
 financial and psychological
 destruction of, 41–42
 protests
 in Netherlands, 145, 148
 by PMANE, 37–38
 psychological aid, 139–40, 153n6
- racial minorities, passive
 extermination of, 33–34
 radiation, genetic mutation and, 42
 radioactivity, 28
 Rajasekar, C., 40
 renewable energy, 3, 9–10, 69, 117,
 142
 resistance, 171
 acts of, 147–48
 community of, 149–50
 reaction and, 183
 resource colony, 144–45
 resource extraction, 2, 9, 119
 resource governance, 90
 resources, availability of, 191
 resource sovereignty, conservation
 and, 13
 responsibility, social, 11
 rhythmic refrains, 10, 83–88
 Rodríguez Lara, Guillermo, 53
 Roslin, J., 40
- Sarayaku Accords, 62
 Satluj Jal Vidyut Nigam (SJVN),
 93–96
 science and technology studies
 (STS), 3–4
 seismicity, 133, 148
 sexual assault, 41
 shareholder, 101, 104
 capitalism, 90
 citizenship, 10
 trend, 91
 shareholder model, of hydropower
 development, 89, 185
 shift of the energetic matrix (*cambio
 de la matriz energética*), 53,
 67–74
- SJVN. *See* Satluj Jal Vidyut Nigam
 slavery, 29, 55
 slow violence, 38
 Smith, Jessica, 3–4
 social and cultural projects, 5
 social cohesion, 7
 social divisions, 145–46
 sociopolitical inquiry, 1
 sociotechnical imaginaries, 10
 solar power, 73–74, 142, 157, 166
 solidarity
 communities and, 16, 192–93
 cultural event for, 39
 sovereignty
 Citizens Revolution and, 65–66
 representations of, 12
 two-dimensional representations
 of, 86–87
 volumetric, 87, 100
 state, 2
 anthropology of, 4
 biopolitics of, 111
 energopower and postcolonial, 28
 Foucault on modern, 28
 as overdeveloped, 26
 vengeance of, 40
 state-citizen relationship, 9–10
 statecraft, 6, 7–9, 182
 stoves, 167–74
 STS. *See* science and technology
 studies
 studying up, 2
sumak kawsay (good living), 63–65,
 70–71
- technological progress, 70–71
 technopolitics, 182
 TECV Law. *See* Law on Energy
 Transition and Green Growth
 thermodynamics, 2
 de Tocqueville, Alexis, 184
 tourism initiatives, 5
 transnational activist networks, 25
 transparency, accountability and, 26
- Udayakumar, S. P., 35–37, 42

- Upper Tamakoshi Hydropower Project (UTKHP), 85, 97–102
- Vasconez Salvador, Oliverio, 53–55, 69
- violence, 5–6, 42
 - authoritarianism and, 26
 - extraction and, 183
 - slow violence, 38
 - spectrums of, 28
- volumes, of water, 86–87
- waste
 - productivity, death and, 15
 - radioactive, 31
 - waste storage, 118
- water
 - citizens and, in Nepal, 92
 - electricity and, 65–69
 - nationalism, future and, 94
 - seasonality of, 88
 - volumes of, 86–87
 - as wealth, 99
- waterscapes, 87
- wind, 4, 43, 74, 116, 142, 149
- wind turbines, 26, 32
- wood, 14, 156, 157–76, 191
- World Commission on Dams, 89