INDEX

A
Aarhus Oliefabrik, 26
ABERDI. See A. Brown Energy and Resources Development, Inc. (ABERDI)
A. Brown Energy and Resources Development, Inc. (ABERDI), 112
ADANI Group, 111
adat community, 169
leaders, 172, 173
adat culture, instrumentalization of, 173
adat institutions, 183
adat land, 169
adat law, 183
adat norms, 173
adat regulations for land acquisition, 172
adat rights, 172
Advertising Standards Authority (ASA), British, 228
Africa
forest fire in, 20
palm oil in, 1, 35
agrarian cultures, 169
agrarian reform beneficiaries (ARBs), 100, 104, 112
agrarian transition, 170, 174
agribusiness companies, 100, 102, 104
agribusiness investors in oil palm industry, 106
agricultural sector, 83
Agriculture and Maritime Affairs, 55
agrochemicals, 61, 110
agroforestry systems, 165, 247
Agrofuel, demand of, 49
Agrofuel Network in Europe, 185
agrofuels
in European Union, 196
mandatory targets for, 193
moratorium campaign, 193, 194
plantations for, 192
Agrofuel targets, campaign coalition, 190–91
agro-industrial sites, zonification of, 115
Agumil and Filipinas Palm Plantation Inc., 103
Agumil Inc., 102, 103, 104, 108
Agusan del Norte, oil palm in, 111
Agusan del Sur, oil palm plantation in, 107
Agusan Plantation Inc., 102
Aidenvironment
in RETRAC, 224, 225, 227, 233–34
in RETRAC visioning, 239
Alliance of Indigenous Peoples of Indonesia, 184
Index

Alliance of Indigenous Peoples of the Archipelago (AMAN), 245, 252
Alonto, Abdul Khayr, 106
Alpha and Firsha Properties Development Corporation, 109
Alternate Resource Center, 107
AMAN. See Alliance of Indigenous Peoples of the Archipelago (AMAN)
Amatzin, Daud, 161n3
AMDAL, 70
anti-globalization movement, 223
anti-palm oil, 3
anti-WTO protests in Seattle, 223
APO. See Asian Productivity Organisation (APO)
ARBs. See Agrarian reform beneficiaries (ARBs)
Archer Daniels Midland Asia Pacific, 33
Argentina, pro-biofuel policies in, 213n4
ARMM. See Autonomous Region of Muslim Mindanao (ARMM)
Artha Graha Group, 34, 166
Asian financial crisis, 52, 83–84
Asian Productivity Organisation (APO), 39
Asia-Pacific, regional markets in, 100
Asiatic Development Berhad, 28, 40
Association of Southeast Asian Nations (ASEAN), 1
Austral Enterprises Berhad, 28
Australian National University, 69
Australia, pro-biofuel policies in, 213n4
Autonomous Region of Muslim Mindanao (ARMM), DAR of, 106
autonomy, 148
bad biofuels, 204
Bali, 51
Bangladesh, oil palm in, 123
BankTrack, 235
Barisan Nasional, coalition, 148
basic agrarian law (BAL), 55
Basiron, Yusof, 3
Batak people, 81
BIMP-EAGA. See Brunei-Indonesia-Malaysia-Philippines–East ASEAN Growth Area (BIMP-EAGA)
biodiesel from palm oil, 21, 57
production, 190
biodiesel market of European Union, 190
biodiversity, 40, 165, 176, 182, 191, 192
ecosystems and, 217
loss of, 21, 187, 192
bioethanol, 57
biofuel industry in Singapore, 34
biofuels, 101, 190, 195, 199, 214n13, 217
additives, 183
certification schemes, 203, 205
climate change, 192
companies, 237
demand for, 200, 202, 210
in European Union, 179
imports, 209–10
local and regional advocacy for, 113
palm oil for, 21, 35
policies, 11, 97, 115, 199–200, 211, 212
production and use of, 201–3
sustainability criteria, 204–9, 212, 215n18
Biofuels Act of 2006, 101
biofuels directive, 201–2
Biofuels Progress Report, 214n10
biofuels targets
chemical fertilizers used for, 62–64
criticism of, 2–3
mandatory, 5
bioliquids, 203, 214n14, 217
biological oxygen demand (BOD), 110, 117n11
biomass
demand for, 205
sustainable production of, 204
Biomass Action Plan, 202
BOD. See biological oxygen demand (BOD)
Bodok market in Parindu, 170
Bogor Agricultural University, 86
Bohol Islands Plantation Inc., 102
boomerang effect, 180, 181
Borneo Orang-utan Survival International (BOS International), 21
Brazil, forest fire in, 20
Brazilian soybeans trade, 233
British colonial economy, 121
British plantation companies, 7
“brown issues” (environmental), 40
Brunei-Indonesia-Malaysia-Philippines–East ASEAN Growth Area (BIMP-EAGA), 100–101, 117n8
Bugis ethnic group, 141, 157
Bukit Garam, 142
Bumiputra Felda schemes, 130
Bureau of Forest Development, 109
Bursa Malaysia, 34, 41

C
Canada, pro-biofuel policies in, 213n4
capitalism, 137, 138n7
CARAGA region, oil palm in, 99, 111
carbon emissions, 2–3, 49, 61, 206
cari pengalaman, 144
Carthagenia Protocol, 218
casual labourers, wages for, 71–72
Central Cotabato Oil Palm Growers’ Association, 111
Central Kalimantan, oil palm plantation development, 61
Centre for Environmental Studies in Leiden, 225
CERD. See Committee on the Elimination of Racial Discrimination (CERD)
certificate of land ownership awards (CLOA), 106, 108
certification schemes, biofuels, 203, 205
certified sustainable palm oil (CSPO), 22
chemical fertilizers for biofuel targets, 62–64
chemical insecticides, 61
chemical pesticides, 61
child labour, in oil palm plantations, 69, 70, 73
children
of migrant workers, 70–71
of plantation workers, 10, 72
China
palm oil used in, 20, 34
pro-biofuel policies in, 213n4
Chinese CITIC group, 166
Chinese Development Bank, 166
Chinese investments, 166
Chin, Peter, 3
citizenship
problems of, 140
rights, 141
civil society, 160, 221
organizations, 112–15, 233
reactions and strategies of, 98
climate change, 5, 192, 195, 202
climate justice, 192
Climate Justice Now, 185
CLOA. See certificate of land ownership awards (CLOA)
CO₂ emissions, 210
impacts of palm oil production on, 21
reduction, 217
Cognis Oleochemicals Malaysia, 28
Cohen, Robin, 159
Cohen, Stanley, 145
Colombia
forest fire in, 20
pro-biofuel policies in, 213n4
colonial economy, 120
plantation labour in, 121–22
colonial legal system, 55
colonial plantation labour, 120
Columbio Multisectoral Ecology Movement, 110
“comitology” procedure, 215n20
Commission of the European Communities, 214n6, 214n7, 214n8, 215n22, 215n25
commitment to transparency, RSPO Principle 1, 40–41
Committee on the Elimination of Racial Discrimination (CERD), 254
commodities, 221–25, 237
common abuses, 50
common land, 65
communal land, 168, 169, 173
communities and NGOs, 50
community leaders, 248
community welfare, 164
Compliance Advisory Ombudsman, 237
Congo, palm-oil plantation in, 35
conservation, development versus, 165–68
consumers, product information to, 221, 222, 242
conventional biofuels, 209
Coordination of Economic Affairs, 55
co-products, 208
Cotabato River Basin, oil palm in, 99
CPO. See crude palm oil
Crabtree & Evelyn Group, 32
criminality, 154
Crossfields, 7
crude palm oil (CPO), 1, 5, 28, 49, 51, 54
export earnings from, 164
imports of, 98
in Indonesia, 56
mills, 64
price fluctuations, 169
CSPO. See certified sustainable palm oil (CSPO)
cultivation of oil palm, 20, 22, 29, 31, 61, 98, 110
cultural alienation, 170
“cultural dilution”, 145–48, 160
fear of, 145, 160
cultural identity, 250
culturstelsel policy, 51
customary culture, 176
customary lands, 143, 175, 244, 248
takeover of, 174–75
customary laws, 220
customary rights, 175, 250, 251
customary social structures, 170
customary society, 172
D
DAR. See Department of Agrarian Reform (DAR)
Darby, Sime, 130, 138n4
Dayak communities, 165
communal lands of, 173
culture of, 175
ethnic awareness movement in, 173
impoverishment of, 168–74
intercommunity conflicts, 173–74
in Kalimantan, 179
land rights of, 165
Dayak culture, 173
Dayak customary law, 172
Dayak migrants, 196n2
Dayak society, 172
collective identity of, 175–76
decentralization, 90
decentralized decision-making, 228
decision-making power, 144
decomposition of organic material, 117n11
Decree of Governor of Riau No. 7/2001, 85
Defensor, Benjamin, 109
deforestation, 21, 36, 234, 244, 254
in Mindanao, 109
in Philippines, 109
for plantation expansion, 241
in Southeast Asia, 210
Delft Hydraulics report, 21
demand for palm oil, 98
demonization, 141
Department of Agrarian Reform (DAR), 100
of ARMM, 106
Department of Environment, 109
Department of Environment and Natural Resources, 100
Department of Trade and Industry, 99, 100
deportations, 152, 160
Derequito, Derek, 99, 104
detergent production, oleochemical for, 32
detractors, 135
Development of Palm Oil Industry, policy framework for, 100
Deyo, Federic, 131, 132, 135, 137
DG Agriculture, 209
DG for Environment (DG ENV), 4
dichloride weed killer paraquat, 110
Directive 2003/30/EC, 201, 213n2, 213n5
Directive 2009/28/EC, 200, 201, 203, 213n2
environmental sustainability in, 205–7
expected effects of, 209–10
social sustainability in, 207–9
Directives 2001/77/EC, 213n2
Directorate-General for Energy and Transport (DG TREN), 4
“divide and rule” strategy, 113
drained peatlands in Southeast Asia, 21
Dunlop Estates, 28
Dutch banks, 234
dynamic labour flexibility, 131–32, 134–35, 160
E
East Kalimantan, child labour in, 69
East Malaysia, Penan communities in, 223
ECC. See environmental compliance certificate (ECC)
economic agro-industrial model, 110
economic and social development, 174–76
economic improvement, 39, 155–56
Economic Planning Unit, 123
economic value, forest goods and services of, 66
economy
colonial. See colonial economy of plasma farmers, 169
ecosystems and biodiversity, 217
ECP. See environmentally critical projects (ECP)
Ecuador, pro-biofuel policies in, 213n4
edible oils, acquisition of, 29, 34
EIA. See environmental impact assessments
Elaeis guineensis, 1, 35, 51, 122–23
El Niño, 227
Emerald Archipelago, rainforests of, 227
“eminent domain”, 54
<table>
<thead>
<tr>
<th>Term</th>
<th>Page(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>enforcement agencies</td>
<td>150</td>
</tr>
<tr>
<td>Environmental Clearance Certificate (ECC)</td>
<td>100</td>
</tr>
<tr>
<td>environmental compliance certificate (ECC)</td>
<td>117n6</td>
</tr>
<tr>
<td>Environmental consequences</td>
<td>59–65</td>
</tr>
<tr>
<td>environmental impact assessments (EIA)</td>
<td>49–50</td>
</tr>
<tr>
<td>environmental impact of biofuels production</td>
<td>201</td>
</tr>
<tr>
<td>environmental justice movement in Indonesia</td>
<td>196n3</td>
</tr>
<tr>
<td>environmentally critical projects (ECP)</td>
<td>117n6</td>
</tr>
<tr>
<td>Environmental Management Bureau</td>
<td>117</td>
</tr>
<tr>
<td>environmental non-governmental organizations (NGOs)</td>
<td>2, 187</td>
</tr>
<tr>
<td>environmental protection policy</td>
<td>116</td>
</tr>
<tr>
<td>environmental rights</td>
<td>195</td>
</tr>
<tr>
<td>environmental sustainability</td>
<td>205–7, 212</td>
</tr>
<tr>
<td>Environment and Industry Committees</td>
<td>214n15</td>
</tr>
<tr>
<td>Environment Management Committee</td>
<td>39</td>
</tr>
<tr>
<td>Environment Management System</td>
<td>38</td>
</tr>
<tr>
<td>Equator Principles</td>
<td>254</td>
</tr>
<tr>
<td>ethnic awareness movement</td>
<td>173</td>
</tr>
<tr>
<td>ethnic groups</td>
<td>148</td>
</tr>
<tr>
<td>ethnic identity</td>
<td>174</td>
</tr>
<tr>
<td>ethnic violence</td>
<td>173</td>
</tr>
<tr>
<td>ethnographic approach</td>
<td>143</td>
</tr>
<tr>
<td>EU. See European Union (EU)</td>
<td></td>
</tr>
<tr>
<td>Europe</td>
<td></td>
</tr>
<tr>
<td>Campaign groups in</td>
<td>223</td>
</tr>
<tr>
<td>palm oil, 1–2, 20</td>
<td></td>
</tr>
<tr>
<td>supply chain bottleneck</td>
<td>232</td>
</tr>
<tr>
<td>Unimills BV in</td>
<td>31–32</td>
</tr>
<tr>
<td>European Commission</td>
<td>192, 200, 201</td>
</tr>
<tr>
<td>European Commission report on biofuels</td>
<td>202</td>
</tr>
<tr>
<td>European Council</td>
<td>192, 213n1, 213n5</td>
</tr>
<tr>
<td>European energy policy</td>
<td>195</td>
</tr>
<tr>
<td>European governments</td>
<td>209</td>
</tr>
<tr>
<td>European NGOs</td>
<td>186–87</td>
</tr>
<tr>
<td>European Parliament</td>
<td>180, 192, 207, 213n2, 213n5</td>
</tr>
<tr>
<td>European policy</td>
<td>195–96</td>
</tr>
<tr>
<td>European Rainforest Movement network</td>
<td>182</td>
</tr>
<tr>
<td>European Union (EU), 1, 12, 207, 213n4, 215n18, 215nn2</td>
<td></td>
</tr>
<tr>
<td>agrofuel targets in</td>
<td>196</td>
</tr>
<tr>
<td>biodiesel in</td>
<td>190</td>
</tr>
<tr>
<td>biofuel in</td>
<td>179</td>
</tr>
<tr>
<td>biofuels policies</td>
<td>56, 199–200</td>
</tr>
<tr>
<td>economic implications of</td>
<td>208</td>
</tr>
<tr>
<td>mandatory biofuel targets</td>
<td>2</td>
</tr>
<tr>
<td>palm oil demand in</td>
<td>67</td>
</tr>
<tr>
<td>palm oil imports</td>
<td>209</td>
</tr>
<tr>
<td>policymakers</td>
<td>3</td>
</tr>
<tr>
<td>to promote the use of biofuels</td>
<td>201–3, 212</td>
</tr>
<tr>
<td>sustainability criteria</td>
<td>203, 205, 210, 212–13</td>
</tr>
<tr>
<td>trade policy</td>
<td>202</td>
</tr>
<tr>
<td>European Union directive</td>
<td>21</td>
</tr>
<tr>
<td>European Union Parliament</td>
<td>12</td>
</tr>
<tr>
<td>EU Strategy for Biofuels</td>
<td>202</td>
</tr>
<tr>
<td>EU Sustainable Development Strategy</td>
<td>213n1</td>
</tr>
<tr>
<td>evolutionary change, of oil palm plantation sector</td>
<td>78–92</td>
</tr>
<tr>
<td>export crops, oil palm</td>
<td>111</td>
</tr>
<tr>
<td>export earnings from CPO</td>
<td>164</td>
</tr>
<tr>
<td>export revenue</td>
<td>165</td>
</tr>
<tr>
<td>exposure to migrants</td>
<td></td>
</tr>
<tr>
<td>distance, 156–58</td>
<td></td>
</tr>
<tr>
<td>tolerance, 156–58</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td></td>
</tr>
<tr>
<td>fair trade model</td>
<td>222</td>
</tr>
<tr>
<td>fake identity cards</td>
<td>141</td>
</tr>
</tbody>
</table>
farmers, 67, 69, 83, 248, 249
incomes and living standards of, 84
farming system, 175
FCI. See Forest Conversion Initiative (FCI)
federal agenda, 148, 150
federal government, 150
federalism, 146–52
Federal Land Development Agency, 7
Federal Land Development Authority (Felda) schemes, 123, 130
Federal ruling coalition party, 148
Felda schemes. See Federal Land Development Authority (Felda) schemes
fertilizers, 207
fertilization, 61
FFBs. See fresh fruit bunches (FFBs)
Filipinas Palm Oil Plantations Incorporated, 102
Filipino-American company, 112
Filipino palm oil plantations, 97
financing investments, in palm oil plantations, 21
First Plantations Limited, 52
flexibility, 131
static, foreign labour and, 132–34
flexible labour
dynamic, 131–32
socio-political ramifications of, 135–37
flexible labour regime, 160
effects of, 135
in Malaysia, 120, 130–32
FoE. See Friends of the Earth (FoE)
folk devils, migrants as, 148, 149
food crisis, 3, 11
food security, 208, 219
food sovereignty, 111, 113, 115, 117n12, 192
Food Sovereignty Conference, 118n14
forced labour, 69, 73
forced planting system, 171
Ford Foundation, 251
foreign exchange, 164
foreign investment, 165
foreign labour and static flexibility, 132–34
foreign labour recruitment system, 159
foreign nationals, 142
foreign plantation companies, 51
formation of, 24–25
Forest Conversion Initiative (FCI), 21
forest fires, 20, 234
in Indonesia, 227
forest goods and services, 66
forest lands, state control of, 183
Forest Peoples Programme, 236, 251, 254
forest resources, 183
loss of, 65
Forestry Act, 55
forestry law, 55
forests, large-scale conversion of, 167
Forest Stewardship Council (FSC), 182
FPIC. See Free, prior, and informed consent (FPIC)
France, biofuel demand, 209
free markets, 221
Free, prior, and informed consent (FPIC), 245, 250–52, 253, 254
free trade, 220–21
fresh fruit bunches (FFBs), 98, 104, 112
Friends of the Earth (FoE), 185–86, 187
biofuel campaign, 192
WALHI, 192
Friends of the Earth Netherlands, 234, 235
FSC. See Forest Stewardship Council (FSC)
Fuel Quality Directive, 214n11
Funding Forest Destruction, 234
funds for palm oil industry, 33
fungicides, 61
G
Gatidis, James, 161n5
General Agreement on Tariffs and Trade (GATT), 203
generic management systems, 37
genome sequencing, oil palm, 40
Genting Plantations Berhad, 38
Germany, 193
biofuel demand, 209
NGOS in, 179
palm oil in, 20
GHG emissions. See greenhouse gas (GHG) emissions
gitu gitu sabaha, 157
global commodity prices, 208
globalization, 120, 130, 220–21, 223
globalized investment, 221
globalized market, 221
globalized trade, 221, 228
global market, 170
palm oil, 164
price fluctuations in, 169
global trade, 225
global warming, 221
palm oil production on, 21
problem of, 5
Golden Hope, 7, 8, 22, 25, 26, 28, 29, 32, 37, 52, 81, 187
Government of Indonesia, 49, 50
Government Regulation No. 10/1996, 81
grains, 29, 33, 34
Gramoxon, 14
greenhouse gas (GHG) emissions, 3, 34, 40, 41, 49, 65, 199, 201, 202, 205, 206, 210, 214n11
in Indonesia, 254–55
reduction, 217
Greenpeace, 179, 185, 192, 253
Greenpeace Netherlands, 20–21
RETRAC study in, 234
Greenpeace report, 21
green productivity approach, 39
“Greenwash” exercise, 195
Guangzhou Keylink Chemical Co. Ltd., 32
Guthrie, 52, 81
H
Hap Seng Consolidated Berhad, 28
Harita Group, 31
Harrisons & Crosfield (H&C) plc, 7, 22, 26
transformation of, 27
Harrisons Malaysian Estates (HME), 26
Harrisons Malaysian Plantations Berhad (HMPB), 26
harvesting season, 143
H&C. See Harrisons & Crosfield (H&C)
HCV. See high conservation value (HCV)
Heart of Borneo, 11
Heart of Borneo Agreement, 167
“Heart of Borneo” conservation project, 165
declaration of, 166–67
development versus conservation, 165–68
government support for, 168
Henkel Oleochemicals, 28
herbicides, 61
Hevea brasiliensis, 121
high biodiversity areas, 206
high carbon stock areas, 206
high conservation value (HCV), 239, 250
non-conversion of, 36
HME. See Harrisons Malaysian Estates (HME)
HMPB. See Harrisons Malaysian Plantations Berhad (HMPB)
Holdikko Palm Plantations, 31
human rights, 160, 184, 195, 218
international commitments on, 56
violations, 67–70
human rights body, 136
Index

I
IFC. See International Finance Corporation (IFC)
IJM Plantations Berhad, 28, 38
illegal
foreign workers, 145
migrants, 71, 147, 148
population, 145
workers, 161
Illegality, 160
illipe nuts in West Kalimantan, 240–41
ILO. See International Labour Organisation (ILO)
ILUC. See indirect land-use changes (ILUC)
immigrant Muslim groups, 148
immigrants, 152
Immigration Act, 136
“immigration industry”, 141, 150, 151
imports
biofuels, 209–10
of crude palm oil, 98
of palm oil, 20
of tropical timber, 180, 182
impoverishment of Dayak communities, 168–74
inactive plantation companies, 82, 83
income from oil palm, 99
Independent oil palm estates, 85
development of, 78
workers of, 81
independent recourse mechanism, 252
India
H&C in, 26
palm oil used in, 20
pro-biofuel policies in, 213n4
Indian plantation labour, 132
indigenization of oil palm plantation sector, 89–91
indigenous peoples, 244
environmental destruction, 253
impact of oil palm plantations on, 247–50
and local communities, 244, 245, 249
and palm oil expansion, 245–47
indirect land-use changes (ILUC), 206, 212, 215n19
Indofood Agri Resources Ltd., 28
Indonesia, 141, 193
archipelago of, 245
biofuels policies in, 211
climate change in, 254–55
deforestation emissions, 255
forest fires in, 20
Friends of the Earth group, 192
government of, 228, 244, 246
greenhouse gas emissions in, 254–55
H&C in, 26
human rights groups in, 245
indigenous peoples, 245–47
industry in, 244, 256
investment in oil palm plantations, 228, 235
media of, 227
national economy of, 81
national parks in, 165
NGOs in, 184–85
oil palm plantation groups in, 53
oil palm plantations in, 1, 21, 34, 123, 166
palm oil boom and local conflicts in, 182–84
palm oil business in, 21, 26, 33, 51, 81, 97, 99, 244
palm oil controversy in, 20
palm oil expansion, 164, 245–47
palm oil mills in, 7
palm oil production, 20, 164
PIR farmers in, 94n8
plantation activities on, 83–84
pro-biofuel policies in, 213n4
Riau province oil palm acreage, 76
social and ecological environments in, 78
social and political environments of, 78
wages for casual labourers in, 71–72
Wilmar International in, 31
Indonesia-Malaysia border, oil palm plantation on, 166
Indonesian Agricultural Ministry, 3
Indonesian fires, 227
Indonesian Forestry Department, 167
Indonesian Government, 50, 56, 73, 245, 246, 254, 255
Indonesian law, 248
Indonesian Ministry of Women’s Empowerment, 69
Indonesian Oil Palm Growers Association (GAPKI), 53
Indonesian palm oil industry, 48–49, 51
environmental consequences, 59–65
expansion, 56–59
key players in, 51–54
negative social impacts, 65–67
state policies and enabling conditions, 54–56
transnational character of, 50
Indonesian Sustainable Palm Oil System, 56
informal transport, 142
informants, 143, 157
INGOs. See international nongovernmental organizations (INGOs)
initial investment for Palm Oil Mega Project, 166
insecticides, 61
Institute of Social Analysis, 180
Institute of Southeast Asian Studies (ISEAS), 10
intercommunity conflicts, 173–74
international commitments on human rights, 56
International Finance Corporation (IFC), 236, 251, 252, 253
International Labour Organisation (ILO), 207, 218
International Monetary Fund (IMF), 8
international nongovernmental organizations (INGOs), 6, 11, 12, 185–86, 190, 195, 196
International Palm Oil Sustainability Conference, 3
International Tropical Timber Organisation, 180
International Union for Conservation of Nature (IUCN), 20
International voluntary standards, 244
inti-plasma system, 183
Investment Act, 52
investments
in Indonesian oil palm plantations, 228, 235
in oil palm production, 100
palm oil, 116
investors
agribusiness, 106
incentives to, 100
IOI Corporation Berhad, 28, 31, 32, 38
oil yield of, 40
oleochemicals, 28–29
Irianto, Gatot, 3
irrigation methods, 207
Italy, biofuel demand, 209
IUCN. See International Union for Conservation of Nature (IUCN)

J
Jakarta Post, 227
Jakarta, private plantation companies in, 81
Janoub Phillipines, Inc., 106
Java, 51, 85
dirt farmers on, 170
Muslim migrants from, 81
job opportunities, 164
joint-venture agreement, 101, 103
joint venture company, 31, 33
jurisdictional (state) borders, 140
K
Kadazan Dusun, 160
Kalimantan, 76, 84
  Dayak communities in, 179
  oil palm plantations in, 246
  peatlands in, 60
  plantation company in, 225
Kalimantan Border Oil Palm Mega Project, 11, 164–65
Kangany system, 122
Kenram Philippines Incorporated, 102
Keynes, John Maynard, 121
KGB. See Kumpulan Guthrie Berhad (KGB)
kieserite, 61
KLK Berhad, 31, 32
Korean War of 1951, 123
Kota Kinabalu, 3
Kota Kinabatangan, commercial centre of, 142
Krisnamurthi, Bayu, 55
Kuala Lumpur Kepong Amalgamated, 26
Kuala Lumpur Kepong Berhad, 22, 24, 26, 38
Kuala Lumpur Stock Exchange. See Bursa Malaysia
Kulim (Malaysia) Berhad, 25, 28, 37
  sustainability in, 39
Kulim Sustainable Palm Oil Production, 38
Kumpulan Fima Berhad, 26
Kumpulan Guthrie Berhad (KGB), 22, 24, 29, 31
Kuok Group, 28, 29
  acquisition of, 33, 34
  plantation of, 33

L
labour
  flexible. See flexible labour
  migrant, 132, 137
  plantation, 121–22
  rights, 218
  rural, 208
  labour conditions in palm oil plantations, 70–72
  labour migration and transnational social spaces, 9–11
  labour recruiting agents, 152
  Lahad Datu, 142
  Lanao del Sur Province case, 106
  land, 175
    conflicts in, 183
    cultural claims on, 172
    for estates, 82
    in Germany, 220
    in Kalimantan, 168
    loss of, 165
    for oil palm plantation development, 92
    for plantation, 83
    proposed by active plantation companies, 82, 83, 86
    proposed by inactive plantation companies, 82, 83
    rights of Dayak communities, 165
    used by Dayak communities, 165
    use in Riau province, 92
  land acquisition, adat regulations for, 172
  Land Bank of the Philippines (LBP), 100, 104
  land expropriation for plantations, 172
  land holdings, size of, 169
  landowners, 175
  land rights, 187, 219
  lands
    palm plantations, conflicts in, 49
    social conflicts over, 67–70
    land use change, 199, 205, 206, 217
    Large-scale plantations, 168–74
    Latin America, palm oil plantations in, 1
    law enforcement officials, 141
    laws and regulations, 49
LBP. See Land Bank of the Philippines (LBP)
leadership, 37
lease agreement, 248
legal workers, 144
limited transparency, 221
livelihood diversification, 65
livelihood security, 143
Local Governance Law No. 22/1999, 85
local government unit (LGU), 101, 106
promotion for palm oil, 102
role of, 105
Loders Crocklaan, 32
London Stock Exchange, 26
Loreto municipality, 107
Lumad communities, 108

M
Macapagal-Arroyo, Gloria, 98, 99, 103
Madurese migrants, 196n2
Malawi, pro-biofuel policies in, 213n4
Malayan (Malaysian) plantation economy, 121
Malaysia, 146, 174
biofuels policies in, 211
farmers in, 94n8
flexible labour regime in, 120, 130–32
governments of, 228
industrializing economy of, 120
migrant labour in, 132, 137
national parks in, 165
oil palm estates in, 81
oil palm in, 31, 123
palm oil business in, 97
palm oil controversy in, 20
palm oil import from, 98
palm oil industry, 21, 70, 99, 130
palm oil mills in, 7
palm oil plantations, 1, 51, 76, 120, 141, 164–65
palm oil production, 20
palm oil sector in, 103
plantation industry in, 22, 23
pro-biofuel policies in, 213n4
third industrial plan in, 134
transnational investment from, 97
Wilmar International in, 31
Malaysian
identity card, 150
palm oil industry, 186
timber imports of, 180
workers, 144
Malaysian Agricultural Producers Association, 122, 130
Malaysian corporations, 52, 103
palm oil plantations by, 21
strategic roles of, 20, 35–43
Malaysian human rights organization, 136
Malaysian Kuok Group, 7, 52
Malaysian Palm Oil Association (MPOA), 8, 35, 36, 53, 161n3, 187
Malaysian Palm Oil Board (MPOB), 20, 35
Malaysian Palm Oil Council (MPOC), 3, 8, 21–22, 35, 36, 228
Malaysian palm oil plantations, 3, 9
Malaysian Palm Oil Promotion Council, 186
Malaysia's federalism, 146, 148
Mandau estate, 86
mandor, 144, 158
markets
and countervailing powers, 222–23
emergence of, 222–23
maroon communities, 176n1
M&As. See mergers and acquisitions (M&As)
<table>
<thead>
<tr>
<th>Term</th>
<th>Page(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDCo. See Mindanao Economic Development Council (MEDCo)</td>
<td>271</td>
</tr>
<tr>
<td>media, 141, 143, 159, 221</td>
<td>271</td>
</tr>
<tr>
<td>of Indonesia, 227</td>
<td>271</td>
</tr>
<tr>
<td>Mega Palm Oil Project, 165</td>
<td>271</td>
</tr>
<tr>
<td>Mendes, Chico, 182</td>
<td>271</td>
</tr>
<tr>
<td>Merchant capital, 121</td>
<td>271</td>
</tr>
<tr>
<td>mergers and acquisitions (M&amp;As), 33</td>
<td>271</td>
</tr>
<tr>
<td>metaphoric borders and borderlands,</td>
<td>271</td>
</tr>
<tr>
<td>140–41</td>
<td>271</td>
</tr>
<tr>
<td>Mexico, pro-biofuel policies in,</td>
<td>271</td>
</tr>
<tr>
<td>213n4</td>
<td>271</td>
</tr>
<tr>
<td>migrant labour</td>
<td>271</td>
</tr>
<tr>
<td>in Malaysia, 132, 137</td>
<td>271</td>
</tr>
<tr>
<td>and oil palm, 144–45</td>
<td>271</td>
</tr>
<tr>
<td>migrants</td>
<td>271</td>
</tr>
<tr>
<td>construction of, 149</td>
<td>271</td>
</tr>
<tr>
<td>demonization of, 152</td>
<td>271</td>
</tr>
<tr>
<td>economic improvement of, 155–56</td>
<td>271</td>
</tr>
<tr>
<td>exposure to, 156–58</td>
<td>271</td>
</tr>
<tr>
<td>groups, 141</td>
<td>271</td>
</tr>
<tr>
<td>as legitimate seekers, 155–56</td>
<td>271</td>
</tr>
<tr>
<td>plantation workers, 142, 152, 157,</td>
<td>271</td>
</tr>
<tr>
<td>159, 176</td>
<td>271</td>
</tr>
<tr>
<td>population, 147</td>
<td>271</td>
</tr>
<tr>
<td>process of demonizing, 141</td>
<td>271</td>
</tr>
<tr>
<td>migration, 140</td>
<td>271</td>
</tr>
<tr>
<td>labour, 9–11</td>
<td>271</td>
</tr>
<tr>
<td>method, 141–43</td>
<td>271</td>
</tr>
<tr>
<td>politicization of, 160</td>
<td>271</td>
</tr>
<tr>
<td>scope, 146</td>
<td>271</td>
</tr>
<tr>
<td>Migros, 187</td>
<td>271</td>
</tr>
<tr>
<td>milling plants, 102</td>
<td>271</td>
</tr>
<tr>
<td>Minamas Plantation, 31</td>
<td>271</td>
</tr>
<tr>
<td>Minangkabau community, 184</td>
<td>271</td>
</tr>
<tr>
<td>Mina Oil Corporation, 102–3</td>
<td>271</td>
</tr>
<tr>
<td>Mindanao</td>
<td>271</td>
</tr>
<tr>
<td>deforestation in, 109</td>
<td>271</td>
</tr>
<tr>
<td>oil palm in, 99, 111</td>
<td>271</td>
</tr>
<tr>
<td>palm oil expansion in, 97</td>
<td>271</td>
</tr>
<tr>
<td>palm oil planting in, 103</td>
<td>271</td>
</tr>
<tr>
<td>reforestation in, 109</td>
<td>271</td>
</tr>
<tr>
<td>SPDA for, 98</td>
<td>271</td>
</tr>
<tr>
<td>Mindanao Economic Development Council (MEDCo), 99</td>
<td>271</td>
</tr>
<tr>
<td>Mindanao Palm Oil Industry Development Coordinating Council, 99</td>
<td>271</td>
</tr>
<tr>
<td>minimum proportion of biofuels, 201</td>
<td>271</td>
</tr>
<tr>
<td>Mining Act, 55</td>
<td>271</td>
</tr>
<tr>
<td>Ministerial Decree of Agriculture No.</td>
<td>271</td>
</tr>
<tr>
<td>357/2002, 85, 86, 87</td>
<td>271</td>
</tr>
<tr>
<td>Ministerial Decree of Agriculture No.</td>
<td>271</td>
</tr>
<tr>
<td>786/1996, 84</td>
<td>271</td>
</tr>
<tr>
<td>Ministerial Decree of Forestry and</td>
<td>271</td>
</tr>
<tr>
<td>Plantation No. 107/1999, 84, 87</td>
<td>271</td>
</tr>
<tr>
<td>Ministerial Regulation of Agriculture</td>
<td>271</td>
</tr>
<tr>
<td>No. 26/2007, 86</td>
<td>271</td>
</tr>
<tr>
<td>Ministerial Regulation of Agriculture</td>
<td>271</td>
</tr>
<tr>
<td>No. 33/2006, 89</td>
<td>271</td>
</tr>
<tr>
<td>Ministry of Plantation Industries and</td>
<td>271</td>
</tr>
<tr>
<td>Commodities (MPIC), 35–36</td>
<td>271</td>
</tr>
<tr>
<td>MNLF. See Moro National Liberation Front</td>
<td>271</td>
</tr>
<tr>
<td>(MNLF)</td>
<td>271</td>
</tr>
<tr>
<td>Mohamad, Mahathir, 99, 136, 138n4</td>
<td>271</td>
</tr>
<tr>
<td>monocultural farming, 169</td>
<td>271</td>
</tr>
<tr>
<td>monoculture oil palm plantations, 110</td>
<td>271</td>
</tr>
<tr>
<td>moral economy, 171</td>
<td>271</td>
</tr>
<tr>
<td>moral entrepreneurs, 145</td>
<td>271</td>
</tr>
<tr>
<td>moral indignation, 146</td>
<td>271</td>
</tr>
<tr>
<td>moral panic, 141, 145–46, 146–52</td>
<td>271</td>
</tr>
<tr>
<td>moratorium, 253, 255</td>
<td>271</td>
</tr>
<tr>
<td>Moro, 117n5</td>
<td>271</td>
</tr>
<tr>
<td>Moro National Liberation Front (MNLF), 106, 108, 117n3</td>
<td>271</td>
</tr>
<tr>
<td>Moro secessionist groups, 97, 99</td>
<td>271</td>
</tr>
<tr>
<td>Mozambique, pro-biofuel policies in,</td>
<td>271</td>
</tr>
<tr>
<td>213n4</td>
<td>271</td>
</tr>
<tr>
<td>MPIC. See Ministry of Plantation</td>
<td>271</td>
</tr>
<tr>
<td>Industries and Commodities (MPIC)</td>
<td>271</td>
</tr>
<tr>
<td>MPOA. See Malaysian Palm Oil Association (MPOA)</td>
<td>271</td>
</tr>
<tr>
<td>MPOB. See Malaysian Palm Oil Board (MPOB)</td>
<td>271</td>
</tr>
</tbody>
</table>
MPOC. See Malaysian Palm Oil Council (MPOC)
multicultural economic system, 169
Muslim Mas corporation, 184
Muslim political leaders, 148, 160
Muslim migrants from Java, 81

N
Nabunturan Agrarian Reform
Community Integrated Cooperative (NARCICO), 104
naik kepala, 158
NARCICO. See Nabunturan Agrarian Reform Community Integrated Cooperative (NARCICO)
national association of oil palm companies, 245
national biofuel policy, 57
national container state, 4–5, 50
National Development Company, 107
National Development Corporation–Guthrie Plantations, Inc. (NGPI), 107
National Economic Policy (NEP), 130
implementation of, 132
national economy of Indonesia, 81
palm oil sector for, 164
National Forest Estate, 246, 247
national forestry department, 255
National Forestry Ministry, 246
national interest, 246
nationalism, 146–52, 160
National Land Agency, 70
2nd National Palm Oil Industry Congress, 103
6th National Palm Oil Industry Congress, 102
National Police Headquarters, 70
National Renewable Energy Action Plans (NREAPs), 200, 209
national renewable energy regulation, 192
National Statistics Office, 111
National Union of Plantation Workers (NUPW), 122
Native Title provisions, 144
natural ecosystems, plantation expansion impacts on, 59
natural resource management, 172
natural resources, social conflicts, 67–70
NBPOL. See New Britain Palm Oil Limited (NBPOL)
negative social impacts of plantation expansion, 65–67
neo-Fordist elements, 134
neo-liberalism, 223
NEP. See National Economic Policy (NEP)
Neste Oil, 34, 190
Netherlands, 182
oil palm industry in, 234
Wilmar report in, 236
New Britain Palm Oil Limited (NBPOL), 26
Papua New Guinea, 39, 41
New Economic Policy, 7, 24
New Order, 81
New Right, 145
NExBTL brand, 34
NGOs. See non-governmental organizations (NGOs)
NGO Sawit Watch, 183
NGPI. See National Development Corporation–Guthrie Plantations, Inc. (NGPI)
niche markets, 222
Ninth Malaysian Development Plan, 134–35
nitrogen, 61
N₂O emissions, 215n21
non-governmental organizations (NGOs), 2, 3, 4, 11, 12, 13, 20, 43, 48, 112, 113, 166, 179, 223, 224, 225, 228, 234, 236
communities and, 50
cross-border activities of, 179–80
in Indonesia, 184–85, 249, 254
membership of RSPO, 189
non-organic fertilizers, 61
Non-Timber Forest Product-Exchange Program, 109, 117
Northern Sweden, local activists in, 223
North Sumatra, 76
wages for casual labourers in, 71
noxious effects of pesticide, 110
nucleus company, 182
nucleus oil palm estate, 85
development of, 78–80
in PIR-KKPA project, 87
workers of, 81
nucleus plantation company, 86, 184
nucleus plasma production, 171
nucleus-plasma system, 169
Nunukan, 135, 136
NUPW. See National Union of Plantation Workers (NUPW)
O
off-farm work, 142
oil mills, 98
establishment of, 100
in Sultan Kudarat, 108
oil modification technologies, 32
oil palm
in Africa, 35
in Bangladesh, 123
in CARAGA region, 99, 111
expansion of, 236
export crops, 111
FFBs of, 112
genome, 40
income from, 99
in Indonesia, 123
in Malaysia, 123
and migrant labour, 144–45
in Mindanao, 99, 111
in Philippines, 98–101, 115
oil palm acreage
development of, 86
estate sector in 2007, 87
expansion of, 90
growth of, 78
limitation of, 87
plantation in Riau Province, 78–79
of plasma smallholding, 85
of self-supporting smallholding, 81, 89
oil palm companies, 248
in Philippines, 103
oil palm cultivation, 20, 22, 29, 167
in Kalimantan, 31
in Palawan, 98
oil palm development, 175
Oil Palm Development Council, 102
oil palm development project, 98
oil palm economy, rise of, 123
oil palm estates
acquisition of, 28, 31
location of, 76
in Malaysia, 78–80
nucleus estate development, 78–80
size of, 84–85
oil palm expansion, 109, 113, 174
in Philippines, 116
oil palm farmers, 175
oil palm fruit, 249
oil palm hectarage, 128
oil palm industry, 137
in agribusiness investors, 106
BIMP-EAGA, 101
migration of foreign labour, 121
opportunities for local workers in, 143–44
in Philippines, 102
rise of, 122–30
oil palm ingredients, 237–38
oil palm nursery, 102
oil palm plantation development, land for, 92
Oil Palm Plantation Groups in Indonesia, 53

oil palm plantations, 141, 169, 183, 187

agreements, 252
in Agusan del Sur, 107
conflict, 249
cultivation of, 110
development of, 28, 100, 174
effect on women, 68–69
expansion of, 108, 109, 164, 191
impact of, 107–12, 247–50
in Indonesia, 31, 164
Indonesia investments in, 233, 235
investments in, 168
in Malaysia, 120
Malaysian investments for, 29, 30
monoculture, 110
on Indonesia-Malaysia border, 166
permits, 250
process of, 247
on rural communities, 107–12, 113
Wilmar International in, 29, 31

oil palm plantation sector
development of, 78, 80, 89
development projects, 85–86, 90
evolutionary change of, 78–92
expansion of, 91
external to internal expansion of, 91–92
indigenization of, 89–91
in Indonesia, 81, 95n12
in Indonesian national economy, 81
laws and regulations, 84
in Malaysia, 76
national economy, 81
operational agents of estates, 87
PIR-KKPA, 80
policy and institutional framework, 86
private plantation companies, 80
in Riau province, 78, 86, 89, 90, 91

social and political environments
of, 83
state-owned companies in, 80
static flexibility in, 160
from 1980s to 1990s, 78–84
from 1990s to 2000s, 84–89
structure and dynamics of, 90
oil palm planters, SRT of, 105
oil palm plasma farmers, 170
oil palm production, 81, 93
campaign for, 101
in Derequito, 99
invest in, 100
in Mindanao, 99
in Philippines, 98
plantation character of, 113
programme of expanding, 101
promotion of, 99
self-supporting smallholders in,
89–90
in Visayas regions, 98
oil palm products, secondary
processing of, 77, 91

oil palm sector, 244
training, 251

oil palm smallholders, 66–67, 182
oil palm smallholding, 80, 85, 89, 92

oil palm tree, 51
oil palm workers, 129
oilseeds, direct imports of, 209
oil trade, 99
Olam International Limited, 31
oleochemical industry, 130
oleochemicals, 28, 29
for detergent production, 32
manufacturing, 34
Oleo Fats Incorporated, 103
Oplan Bantay Laya, 109
“Oplan Gordian Knot”, 107, 109
Ops Bersepadu, 150
Ops Nyah, 150
Ops Pasir, 150
Orang-utan, 2, 11
organic material, decomposition of, 117n11
Othering, process of, 158, 159
Oxfam, 4, 185
Oxley, Alan, 228

P
Pacific Oil Products, 103
Palawan, oil palm cultivation in, 98
Palawan Palm Vegetable Oil Mills Inc., 102
Palm fresh fruit bunches, 64
Palm Inc., 102
palm kernel meal, 1
palm kernel oil (PKO), 1, 54, 130
prices of, 104
palm oil, 1
biodiesel from, 57
boom and local conflicts in Indonesia, 182–84
in China, 35
conflicts in West Kalimantan, 183
consumers of, 34
controversies surrounding, 2–4
criticism of, 3
crude, 98
demand, 67
development versus conservation, 165–68
export markets for, 54
farmers of, 221
on global market, 164
importer of, 98
LGU promotion for, 102
overlapping peatlands in Kalimantan, 60, 62
prices of, 104
production of, 20, 29, 61, 110
promotion of, 101, 112, 116
transnational environmental activism, 11–13
transnational perspective of, 4–7
users of, 20
Vorley model, 232
palm oil advocacy, 112–15
“Palm Oil as the Primary Industry of the Philippines”, 102
palm oil border project, 167
palm oil business, 51
in Philippines, 97
palm oil buyers, 187
palm oil campaigns, 184–85
palm oil companies, 35, 41, 101, 102, 167
growth of, 28
small-scale farmers conflicts with, 183
palm oil controversy, 20–22, 180
implications for, 182
Malaysian strategic role of, 35–43
triggers of, 227–28
palm oil development, 97, 164
community-based, 176
cultural aspects of, 173
impact of, 65–66
reality of, 97
strategies, 101
palm oil economy, 175
palm oil expansion, 97, 164, 183, 184
in Indonesia, 56–59
in Philippines, 107
political ecology of, 49
palm oil exports, Indonesian, 57
Palm Oil Green Development Campaign, 231
palm oil industry, 3–4, 99, 117n2, 186
improvement in, 39–40
in Indonesia, 33
in Malaysia, 29, 103, 130
policy for, 115
RETRAC applied to, 233–39
rise of, 123
Singapore role in, 33–34
transnational nature of, 231–33
transnational perspective of, 22–33
transnational turn of, 7–9, 19, 34–35
palm oil investments, 97, 116, 183
and policy framework, 97
Palm Oil Mega Project
development versus conservation, 165–68
initial investment for, 166
palm oil mill effluent (POME), 49, 110
anaerobic decomposition of, 64
palm oil mills in Malaysia and Indonesia, 7
palm oil operations, 52
palm oil plantations, 66
agrochemicals application in, 51
child labour in, 69
common system of, 169
development, 59
expansion of, 2, 13
Filipino, 97
fire hotspots areas and, 63
in Indonesia, 11, 56, 58, 166
labour conditions in, 70–72
large-scale commercial, 51
Malaysian, 9
potential areas for, 103
Southeast Asia, 6
transnational expansion of, 8
in West Kalimantan, 168
palm oil processors, 188
palm oil producers, 130, 188
palm oil production, 107, 110, 116
in CARAGA Region, 99, 111
in Indonesia, 164
palm oil products, European consumption of, 195
Palm Oil Promotion Fund, 35
Palm Oil Refiners’ Association of Malaysia, 130
palm oil refining, 32, 130
Palm Oil Research Institute of Malaysia (PORIM), 135
palm oil sector
conflicts in, 183
in Malaysia, 103
for national economy, 164
palm oil smallholders, 184
palm seeds, 171
Pamol Plantations Sdn, 28
Pan Century Edible Oils, 29
Pan Century Oleochemical, 29
Papua, 57, 220
Papua New Guinea
forest fire in, 20
H&C in, 26
New Britain Palm Oil Ltd., 39, 41
palm oil plantations in, 1
paraquat, 110
Parindu area, wages for casual labourers in, 71
PCA. See Philippine Coconut Authority (PCA)
peatlands, 3
drainage of, 206–7
in Kalimantan, 60
loss in Southeast Asia, 210
oil palm developing in, 60
Penan campaign, 180, 181
in Europe, 180
road blockades, 180
Penan communities in Sarawak and East Malaysia, 223
pendatang, 155
Perbadan Nasional Berhad, 26
Permodalan Nasional Berhad (PNB), 24
Perusahaan inti rakyat (PIR) projects
oil palm plantation development, 78–80
partnership in plantation sector, 83
policy and institutional framework, 85
in Riau province, 80
pesticides, 207
application of, 61
noxious effects of, 110
Index

Philippine Civil Society Organizations, 114
Philippine Coconut Authority (PCA), 98–100, 102
Philippine Network of Rural Development Institutes, 9
Philippine Palm Oil Development Council Inc. (PPDCI), 102
Philippines, 141
  Armed Forces of, 99, 109
  biofuels policies in, 211
  deforestation in, 109
  oil palm in, 98–101, 102, 103, 116
  palm oil business in, 97
  palm oil expansion in, 107
  palm oil plantations in, 1
  pro-biofuel policies in, 213n4
  reforestation in, 109
phosphate, 61
Pigsalabuha Subanen Lakewood Association, Inc., 109
Pilgrims Fund Board, 81
PIR-BUN project, 87, 90
  and PIR-TRANS, 85
  plasma smallholdings of, 79–80, 90, 91, 95n14
piret, 10, 142, 143, 152, 156, 158
  views
    about migrants, 153
    and livelihood, 152–55
PIR-KKPA project, 85, 90
  nucleus oil palm estate in, 87
  plasma smallholdings, 86
  promotion of, 92
PIR projects. See Perusahaan inti rakyat projects
PIR-TRANS project, 87
  PIR-BUN and, 85
  plasma smallholdings of, 80, 90, 91, 95n14
  projects in, 83
  transmigration programme, 83
Plantation Act 18/2004, 55
planted crops, 88
  rehabilitation of, 89
  in Riau province, 78–79
planted development
  land use in Riau province, 92
  methods of, 89
planted development projects, 78–80
  by local governments, 89
  PIR-KKPA project, 90
  PIR method, 80, 85
planted economy, 91
  evolution of, 120–21
  Malayan (Malaysian), 121
planted industry
  growth of, 28
  largest, 26
  in Malaysia, 22, 23
planted labour in colonial economy, 121–22
planted land in Indonesia, 56
Plantation Law No. 18/2004, 86
plantation management, 192
Plantation Revitalization Program, 89, 92
plantation workers, 143–44, 158, 182
Plant Now Pay Later Program, 102
plasma farmers, 11, 170
  economy, 169
  poverty of, 170, 171
plasma land, 168
plasma projects, 169
plasma smallholders, 182
plasma smallholding, 85, 87
plantation agriculture, 76–77, 88
  in Riau province, 76–77
plantation companies
  acquisition of, 31
  conflict with peoples, 81, 85, 86
  government policy, 83
  inactive, 80, 81
  plasma smallholdings, 80, 81, 86
  in Riau province, 81
plantation economy, 91
  evolution of, 120–21
Malayan (Malaysian), 121
plantation industry
  growth of, 28
  largest, 26
  in Malaysia, 22, 23
plantation labour in colonial economy, 121–22
plantation land in Indonesia, 56
Plantation Law No. 18/2004, 86
plantation management, 192
Plantation Revitalization Program, 89, 92
plantation workers, 143–44, 158, 182
Plant Now Pay Later Program, 102
plasma farmers, 11, 170
  economy, 169
  poverty of, 170, 171
plasma land, 168
plasma projects, 169
plasma smallholders, 182
plasma smallholding, 85, 87
development of estates and, 86
of PIR-BUN/PIR-TRANS, 80–81, 89, 90, 92, 95n14
of PIR-KKPA, 85, 86, 90
by plantation companies, 80, 81
realized and unrealized land, 82
PNB. See Permodalan Nasional Berhad
(PNB)
political debates around palm oil, 6–7
POME. See palm oil mill effluent
(POME)
Pontianak, PT Cahaya Kalbar in, 241
collaboration with PTPNV, 85–86
production
of Riau province, 76–77
PORIM. See Palm Oil Research
Institute of Malaysia (PORIM)
post-harvest production process, 171
potash, 61
poverty, 174, 175, 176
of plasma farmers, 170, 171
PPB Oil Palm Berhad, 28, 34, 38
PPDCI. See Philippine Palm Oil
Development Council Inc.
(PPDCI)
PPT Tanjung Rhu Plantation Group,
52
Priambumi, 148
prices of palm kernel oil, 104
pricing scheme, NARCICO and
Agumil, 105
private investors, 84–85, 164, 166
private plantation companies, 80, 81,
89
in Jakarta, 81
pro-biofuels policies, 202, 213n4
problem situation analysis (PSA)
approach, 225
producer countries, 224
production
palm oil. See palm oil production
of palm oil, 20, 29
Profundo BV, 224
in Netherlands, 233
Project Siak, 89, 91
collaboration with PTPNV, 85–86
pro-palm oil policy, 97
PSA approach. See problem situation
analysis (PSA) approach
PT Austindo Nusantara Jaya Agri, 52
PT Bakrie Sumatera Plantation, 72
PT BW Plantation Tbk, 52
PT Cahaya Kalbar, 227
in Pontianak, 241
PT Guthrie Peconinina Indonesia, 31
PT Mirza Pratama Putra, 31
PT Perkebunan Nusantara (PTPN
I–XIII), 51–52, 166
PT Perkebunan Nusantara V
(PTPNV), 81, 90, 94n3, 94n9
Siak project collaboration with,
85–86
PTPNV. See PT Perkebunan
Nusantara V
PT Socfindo plantation, 71, 72
PT Surya Sawit Sejati, 31
PT Tri Bakti Sarimas, 70
PT Tunas Baru Lampung Tbk, 52
PT Waringin Agro Jaya, 52
Q
quality management methodology, 37
QUEDANCOR, 105, 106
R
Rabobank, 33, 234
Rabobank Duta Indonesia, 227
Rainforest Action Network, 237
rainforests
destruction of, 193
of Emerald Archipelago, 227
Rambong Sialang estates in Sumatra,
26
REDD. See Reducing emissions
from deforestation and forest
degradation (REDD)
red meranti, 240
Reducing emissions from deforestation and forest degradation (REDD), 255
reafforestation
in Mindanao, 109
in Philippines, 109
regional markets in Asia-Pacific, 100
renewable energy, 21
Renewable Energy Directive (RED), 12–13, 200, 203, 217–19, 231
Repong Damar Farmers Union in Lampung, 183
Republic Act 9367. See Biofuels Act of 2006
Resource Trade Cycle (RETRAC), 13, 224–27, 226, 239–41
retailers, 221, 237
retailing sectors, 142
RETRAC. See Resource Trade Cycle (RETRAC)
RFM Corporation, 102
RGA History of the Plantation Industry in the Malay Peninsula, The (Tate), 24
Riau province, 236
distribution of estates, 88
economy and society of, 91
Estate Crops Services of, 94n9
land use in, 92
main plantation crops in, 78–79
oil palm acreage of, 78–79
oil palm plantation development, 61
oil palm plantation sector in, 77–78, 94n4
PIR-BUN and PIR-TRANS in, 90, 91
PIR projects, 80
in plantation agriculture, 76–77
plantation companies in, 81
plantation development by projects, 85
population of, 76
projects of PIR-KKPA, 85
realized and unrealized land for plantation, 82–83
social and ecological environments of, 77, 78, 86, 91
transmigration into, 81, 82
road tax, 142
rooted rainforest cosmopolitan, 179
constituency of, 182
definition, 179–80
transnational activists, 185
Rosario municipality, 107
Roundtable on Responsible Soy, 232
Roundtable on Sustainable Palm Oil (RSPO), 2, 4, 12, 13, 20, 22, 70, 110, 179, 182, 195, 210, 232, 237, 245, 253, 256n1
certification system, 190
consumer-based branding campaign strategies, 187–88
framing of, 179, 187–88
global supply chains, 187
Malaysian industry in, 36
moratorium on agrofuel targets, 196
NGOs in, 187, 189
Principle 1, 40–41
Principle 3, 39
Principle 8, 39
Sawit Watch in, 50
social and environmental responsibility, 187
standards of, 72
for sustainable palm oil, 36, 39
Royal Commission, 148
Royal Oil Products, 103
RSPO. See Roundtable on Sustainable Palm Oil (RSPO)
RSPO certification, 36, 37, 38
rubber
estates, 86, 126
farmers of, 221
industry, 121, 122
International demand for, 121
plant, 121
  plantations, 122
synthetic, 123
"rubber boom," 123
rubber tree plantations, 175
rural communities, oil palm plantations, 107–12, 113
rural development, 219
rural labour, 208

S
Sabah, 141
  agricultural land in, 142
  "cultural dilution" in, 146
  economic conditions of, 146
  ethnic groups in, 148
  foreign workers in, 145
  illegal migrants, 144
  migrant groups in, 159
  nationalism, 148
  oil palm in, 141
  palm oil operations, 52
  plantation/agricultural sector in, 144
  plantation sector, 144, 160
  political leadership, 158
Sabahan-owned company, 142
Sabahan plantation workers, 142
Sabah east coast, 142
Sabah Land Development Board, 144
Sabah Land Ordinance, 144
Sabah Alam Malaysia, 180
Sainsburys, 187
Salim Group, 52
Sandakan, urban centres of, 142
Sanggau District, wages for casual labourers in, 71
Sarawak
  palm oil operations, 52
  Penan communities in, 223
SATGAS, 59
SATLAK, 59
Sawit Watch, 21, 48, 50, 61, 192, 249, 253
  forced labour, 69
  scale of plantations, 51
Scandinavian timbers, 223
Seattle, anti-WTO protests in, 223
self-reliance team (SRT) members, 105, 106
  of oil palm planters, 105
self-supporting smallholding, 81, 89–90
semi-skilled jobs, 144
Senegal, pro-biofuel policies in, 213n4
Serikat Petani Kepala Sawit (SPKS), 253
Shorea, 240, 241
Siak project, 89, 91
  collaboration with PTPNV, 85–86
SIFCA Group of Africa, 31
Sime Darby Berhad, 7, 8, 22, 24, 26, 29, 38, 40, 43, 52, 138n4
Sinar Mas, 34, 81, 166
Singapore Exchange Securities, 33
  small-scale farmers, 68, 208, 253
  conflicts with palm oil companies, 183
Socfin group, 71
social action, 140
social conflicts over lands, 49, 67–70
social control, 143
  effort of, 147
  factors in, 145–46
  forms of, 145, 146
  mechanisms on, 146
social development, 219
social distance, 159
social impacts of oil palm industry, 253
social rights, 184
social sustainability, 207–9, 212
socio-political ramifications of flexible labour, 135–37
Soeharto, 166, 184
soil, 169
  conservation, 217
degradation, 217
Solidarity for Riau Farmers, 70
solidarity groups, 253
SOS. See Sumatran Orang-utan Society (SOS)
South Africa, pro-biofuel policies in, 213n4
Southeast Asia, 19
  biofuels policies in, 211
drained peatlands in, 21
palm oil cultivation in, 201
palm oil expansion, 3
palm oil industry in, 7, 50
palm oil plantations in, 2, 6
peatlands in, 206
Southern Philippines Development Authority (SPDA), 99, 117n3
  for Mindanao, 98
soybeans, 3
  in Brazil, 200
Spain, biofuel demand, 209
SPDA. See Southern Philippines Development Authority (SPDA)
Special Cabinet Committee, 148
SPKS. See Serikat Petani Kepala Sawit (SPKS)
SRT. See self-reliance team (SRT)
stakeholders, 166
  engagement of, 41–43
“state of emergency,” 146
state plantation companies, 51
static flexibility, 160
  foreign labour and, 132–34
structural poverty, 175
SUARAM, 136
Sukarnoputri, Megawati, 166
Sukau, 142, 143, 144
Sulag, 160
Sulawesi, Indonesian island of, 157
Sultan Kudarat, oil mill in, 108
Sumatra, 76
  oil palm plantations in, 246
  peatlands in, 62
Sumatran Orang-utan Society (SOS), 21
sustainability, 233
  corporate communications on, 42
criteria, 204, 212–13, 215n18
environmental, 205–7, 212
managing for, 37–39
problems of, 229–30
social, 207–9, 212
sustainability systems, for biofuels, 204
sustainable palm oil, 190
  certification for, 36
criteria for, 2
  production of, 35
  use of, 22
“sustainable palm oil” paradigm, 196
swiddening, 170
syabu, 148
synthetic rubber production, 123
T
Tabung Haji Inc., 106
Taiko Palm-oleo Co. Ltd., 32
tamu, 155
TANs. See transnational advocacy networks (TANs)
task force, 247
Tawau, cottage industry in, 150
Thailand
  biofuels policies in, 211
  palm oil plantations in, 1
  pro-biofuel policies in, 213n4
TH Plantations Berhad, 28
timber
  controversy, 220, 223, 225, 240
  imports of, 180, 182
Tim Pembina dan Pengembangan Perkebunan Kabupaten (TP3K), 70
total Quality and Environment Management System (TQEMS), 38
trade in palm oil, 231, 237
traders, 222
Tradewinds (M) Berhad, 28
trading agencies, 121
trading company, 22, 29
transformation plan for economic and cultural society, 174
transmigration
PIR-TRANS, 83
programmes, 173
into Riau province, 81, 82
transnational activism, rise of, 19
transnational activists, types of, 185–86
transnational advocacy networks (TANs), 6, 11, 185–86, 190–91, 195, 196
transnational campaign coalition, 190
transnational corporations (TNCs), 5, 6, 11
transnational environmental activism, 11–13
transnational environmental campaign, 179
transnationalism, 6
transnational organizations, types of, 185–86
transnational social movement organization (TSMO), 180, 185–86, 190–91, 193, 195, 196
transnational social movement organizations (TSMOs), 6, 11
transnational social spaces, labour migration and, 9–11
transport sector, 212
use of biofuels, 202
Tribal Filipino Program, 110
Triple Bottom Line, 4, 8
improvement in, 39–40
Triputra Agro Persada (TAP), 52
tropical forests, logging of, 180
tropical oils in United States, 186
trust, 155, 159
TSMO. See transnational social movement organization (TSMO)
U
UMNO. See United Malays National Organisation (UMNO)
UN General Assembly, 246
Unilever BV, 31, 187
sustainable development in, 43
Unimills BV in Europe, 31–32
Unipamol Malaysia Sdn, 28
United Kingdom, biofuel demand, 209
United Kingdom– domiciled company, 26
United Malays National Organisation (UMNO), 148
United Nations Declaration on rights of indigenous peoples, 244
United Nations Environment Programme, 21
United Pasokmomogun Kadazandusun Murut Organisation (UPKO), 148
United Plantations Berhad (UPB), 25, 26, 31, 37, 38
United States, pro-biofuel policies in, 213n4
Universal Robina Corporation, 102
Universiti Malaysia Sabah (UMS), 10
Universiti Sains Malaysia, 10
unrealized land, 82, 83
UPB. See United Plantations Berhad (UPB)
UPKO. *See* United Pasokmomogun Kadazandusun Murut Organisation (UPKO)

V
vegetable oils, direct imports of, 209
Vertical integration, 231
Vietnam, biofuels policies in, 211
violence, 196n2
ethnic, 173–74
Visayas regions, oil palm production for, 98
Vorley, Bill. *Food, Inc.*, 232–33
vulnerable groups, 49

W
wages for casual labourers, 71–72
Wahana Lingkungan Hidup Indonesia (WALHI), 183, 195, 196
WALHI. *See* Wahana Lingkungan Hidup Indonesia (WALHI)
water, 218
West Kalimantan, 11, 13, 227
civil society and local communities in, 167
DPD Patri Province of, 176n2
land expropriation for plantations in, 172
land in, 168
local communities in, 192
oil palm plantation areas in, 167
oil palm plantation development, 61
palm oil in, 169, 183
plasma farmer communities in, 171
wages for casual labourers in, 71
Wetlands International, 2–3
Wilmar International Ltd., 7–8, 28, 33, 241, 252, 254
in China, 34
land bank of, 29, 31
oil palm of, 34
Wilmar report in Netherland, 236
Wilmar’s Arawana, 34
World Bank, 50, 253, 254, 255
report, 3
World Rainforest Movement (WRM), 180, 185
World Trade Organization (WTO), 3, 203, 204, 221, 223
WRM. *See* World Rainforest Movement (WRM)
WTO. *See* World Trade Organization (WTO)
WWF, 4, 179, 185–86, 187
WWF Forest Conversion Initiative, 21
WWF Germany, 20
WWF Netherlands, 20

Y
Yudhoyono, Susilo Bambang, 164, 167

Z
Zambia, pro-biofuel policies in, 213n4
zero-burning policy, 2, 4
zero-deforestation, 237
zonification of agro-industrial sites, 115