

INDEX

A

Albania, 7, 12, 21–23, 25, 26
Asia, 32, 34, 100, 103, 116, 128

B

Biomass, 11, 12, 14–16, 20, 23,
27, 28, 31, 32, 34, 45, 48, 49,
53, 58, 59, 61, 82, 89, 96,
102–104, 128
Bulgaria, 9, 11–13, 18–20, 24–26

C

China, vi, 4, 32, 33, 69–73, 81, 82,
84, 89, 92, 102, 117, 128,
129, 131, 133
Clean Development Mechanism
(CDM), 21, 22, 88, 89, 91, 104
Climate change, 1, 3, 4, 6, 7, 10, 39,
46, 61, 97, 102, 106, 116, 125,
131, 133
Concentrated solar power (CSP),
31, 56, 58, 96, 97, 100, 101, 127
Congo, 40, 46, 48, 49, 62

Croatia, 7, 12, 19–26

CSP, *See* Concentrated solar power

Cyprus, 9, 11, 22, 25

D

Denmark, 3, 6, 16, 20, 56, 73, 104

E

Egypt, 34, 44, 48, 49, 100
Electrification, 41, 45, 51, 52, 54,
55, 57, 71, 94, 115
Electrification Financing Initiative
(ElectriFI), 93–95, 107
Emission Trading System (EU-ETS),
11–12, 17, 91
Employment, 6, 11, 13, 16, 18, 55,
89, 105–110, 115, 127, 134
Energy efficiency, 16, 17, 23, 34,
44, 67, 106, 112, 116, 118,
128, 130
Energy saving, 6, 96, 104
See also Energy efficiency
Estonia, 9, 11, 14, 15, 20, 24–26

Ethiopia, 48, 49, 60, 66, 69, 80, 82, 101, 115, 134

EU, *See* European Union

European Commission (EC), 66, 67, 92–94, 132

European Investment Plan (EIP), 93

European Union (EU), v, vi, 9, 64–66, 68, 69, 71, 72, 80, 81, 83, 86, 87, 91–95, 100–103, 105, 106, 109, 110, 114, 115, 126, 127, 129, 134

External Investment Plan (EIP), 92, 93, 106, 109

F

Feed-in tariff (FiT), 12, 20, 22, 23, 29, 51–54, 86, 87, 91, 95

G

Geothermal, 20, 22, 23, 27, 31, 45, 46, 58, 100, 128, 129

Germany, 3, 6, 12, 20, 26, 30, 56, 104, 106, 110

Ghana, 44, 48–54, 71, 80, 82, 95, 115

Global Energy Transfer Feed-in Tariff (GETFiT), 53, 95

H

Hungary, 9, 11, 19, 20, 22, 24–26

Hydro, 6, 11, 13–16, 20, 21, 23, 24, 27, 28, 31, 32, 43, 44, 46, 48–50, 53, 56, 58, 61, 65, 69, 71, 73, 82, 84, 89, 92, 97, 113, 128

I

IEA, *See* International Energy Agency

Independent Power Producers (IPPs), 91, 92, 95, 112, 113

Independent power projects (IPPs), 91
India, 33, 87, 128

International Energy Agency (IEA), 27, 69–72, 82, 92, 117

International Renewable Energy Agency (IRENA), 40, 44, 64, 73, 80, 87, 88, 116, 127–128

IRENA, *See* International Renewable Energy Agency

J

Jobs (job creation), v, 46, 47, 92, 104–106, 108, 110
See also Employment

K

Kazakhstan, 21, 26, 31–33

Kenya, 46, 48, 49, 58–60, 63, 66, 68, 69, 73, 80, 86, 101, 108, 129

Kosovo, 7, 12, 22, 23, 26

L

Lappeenranta University of Technology (LUT), 32, 33

Latvia, 9, 11, 13–15, 18, 20, 24–26

Lithuania, 9, 11–16, 26, 126

LUT, *See* Lappeenranta University of Technology

M

Marshall Plan for Africa, 92, 109, 110, 115, 127, 130

Mini-grid, 43, 51–53, 56, 64, 65, 101, 114

Mobile phones, 59, 62, 101, 107

Morocco, 34, 44, 48, 50, 100, 101

Mozambique, 46, 48, 50, 66, 95

N

Nairobi, 59, 60, 63, 102
 Namibia, 49, 50, 95
 Net metering, 53, 54, 87
 Nigeria, 46, 48, 50, 80, 91, 115
 Nuclear power, 2, 9, 12, 13, 19, 29,
 57, 58, 126, 130, 134

O

Off-grid, 4, 18, 40, 41, 43, 44, 48,
 51–57, 59, 63, 64, 71, 80, 81,
 94, 97, 101, 114
 Oxfam, 43, 114, 115

P

Photo-voltaic (PV), 29, 61, 100
 Poland, 9, 11, 19, 20, 22, 24–26
Power Africa, 80, 81, 84, 94, 107

R

Renewable energy, v, 3–6, 9–13, 16,
 17, 117, 125, 128, 131
 Romania, 9, 11–13, 18–20, 22, 24–26
 Russia, 19, 21, 27–33, 113, 126, 132
 Rwanda, 50, 91, 99, 115

S

Solar, 29, 31, 34, 46, 56, 58, 87, 89,
 96, 97, 100, 103, 126
 Solar home systems (SHS), 54, 58,
 64, 86
 Solar PV (Solar), 41, 51–53, 86, 87,
 96, 97, 99, 104
 South Africa, 43, 44, 46, 48–50, 54–58,
 66, 82, 87, 91, 92, 99, 100, 115
 South America, 4, 87, 100, 103,
 116, 128, 129
 Sugar cane, 61
 Supergrid, 15, 28, 31, 32, 34, 101, 133

Sustainable Energy for All (SE4ALL),
 44, 50, 51, 54, 67, 71, 80
 Swaziland, 50, 61, 66

T

TAF, *See* Technical Assistance Facility
 Technical Assistance Facility (TAF),
 55, 57, 59, 60, 62–67, 72, 116
 Tidal power, 27, 28, 100
 Transmission, 44, 69, 97
See also Supergrid

U

U.S. African Development Foundation
 (USADF), 81
 U.S. Agency for International
 Development (USAID), *See* USA
 (US, USAID)
 Uganda, 50, 53, 62, 66, 68, 91, 95, 99
 UK, 12, 13, 19, 26, 35, 60, 82–86,
 95, 100, 113, 126, 130
 UN, *See* United Nations
 UN *Sustainable Energy for All*, v, vi, 4, 24
 United Nations (UN), v, 16, 22, 47,
 50, 54, 80, 84
 USA (US, USAID), 53, 80, 81, 86,
 94, 105, 107

W

Wave power, 58, 59, 100
 Wind power, 6, 11, 12, 14–16, 19–23,
 26–29, 31–34, 44, 46, 48, 50, 53,
 56–59, 61, 65, 68, 73, 82, 86, 87,
 89, 91, 96, 97, 99–101, 103–105,
 126, 128
 World Bank, 44, 53, 62, 82, 91, 92, 133

Z

Zambia, 46, 48, 50, 65, 66, 71, 95