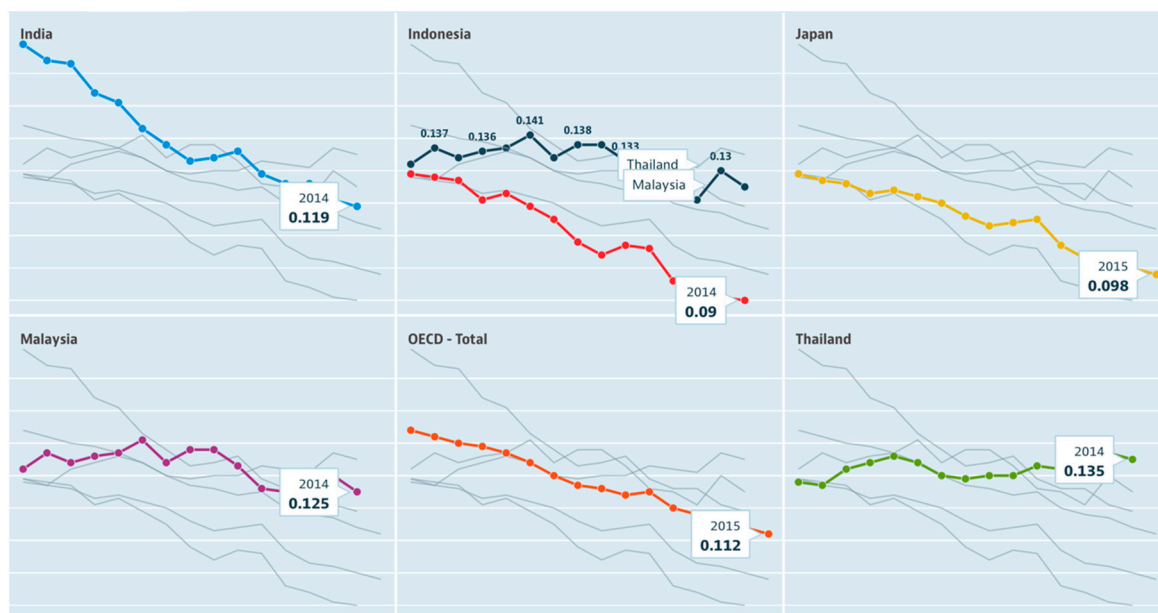
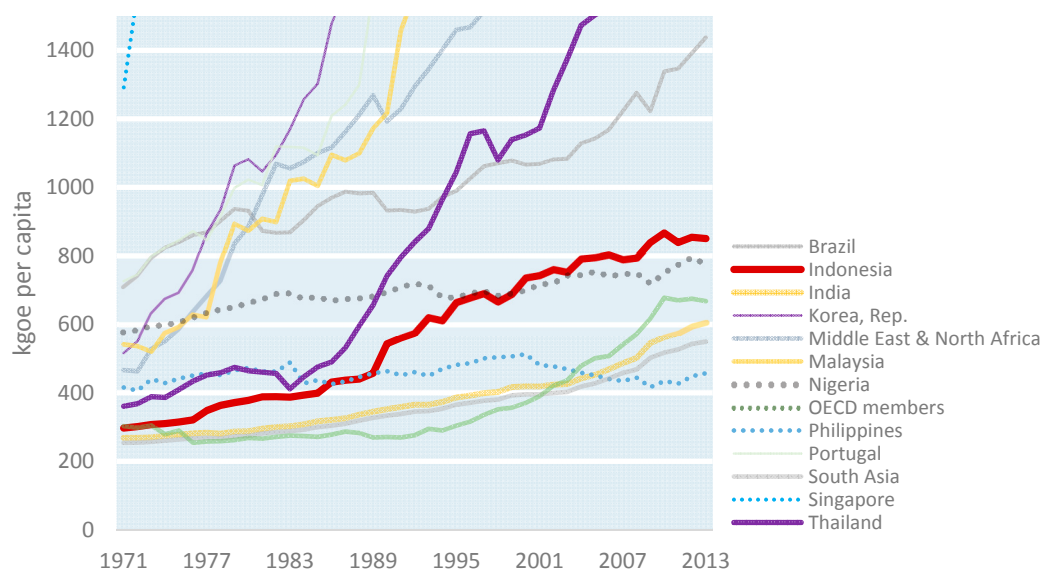


# Supplementary Materials: Low-Carbon Energy Development in Indonesia in Alignment with Intended Nationally Determined Contribution (INDC) by 2030

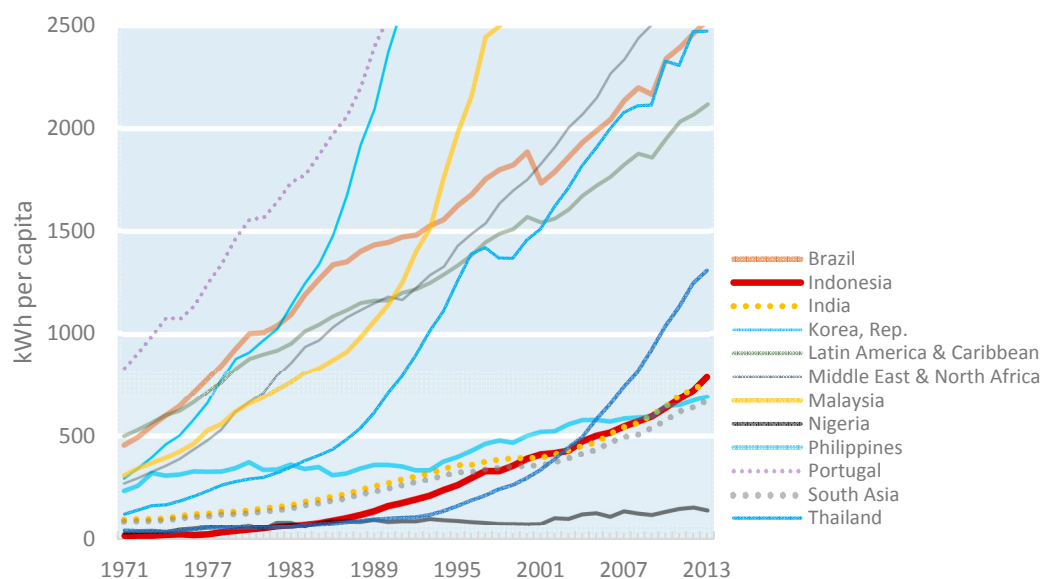
Ucok W.R. Siagian, Bintang B. Yuwono, Shinichiro Fujimori and Toshihiko Masui



**Figure S1.** Energy Intensity of Countries 2000–2015 (toe/1000 US\$). Source: <https://data.oecd.org/energy/renewable-energy.htm#indicator-chart>.



**Figure S2.** Annual Energy Consumption per Capita of Countries 2000–2015 (kgoe/cap). Source: <http://data.worldbank.org/indicator/EG.USE.PCAP.KG.OE>.



**Figure S3.** Annual Electricity Consumption per Capita of Countries 2000–2015 (kWh/cap). Source: <http://data.worldbank.org/indicator/EG.USE.ELEC.KH.PC>.

**Table S1.** List of sectors.

Agricultural Sectors	Energy Supply Sectors	Other Production Sectors
Rice	Coal mining	Mineral mining and other quarrying
Wheat	Oil mining	Food products
Other grains	Gas mining	Textiles, apparel, and leather
Oil seed crops	Petroleum refinery	Wood products
Sugar crops	Coal transformation	Paper, paper products, and pulp
Other crops	Biomass transformation (first generation)	Chemical, plastic, and rubber products
Ruminant livestock	Biomass transformation (second generation with energy crop)	Iron and steel
Raw milk	Biomass transformation (second generation with residue)	Nonferrous products
Other livestock and fishery	Gas manufacture distribution	Other manufacturing
Forestry	Coal-fired power	Construction
	Oil-fired power	Transport and communications
	Gas-fired power	Other service sectors
	Nuclear power	Carbon capture service
	Hydroelectric power	
	Geothermal power	
	Photovoltaic power	
	Wind power	
	Waste biomass power	