



# Energy and development

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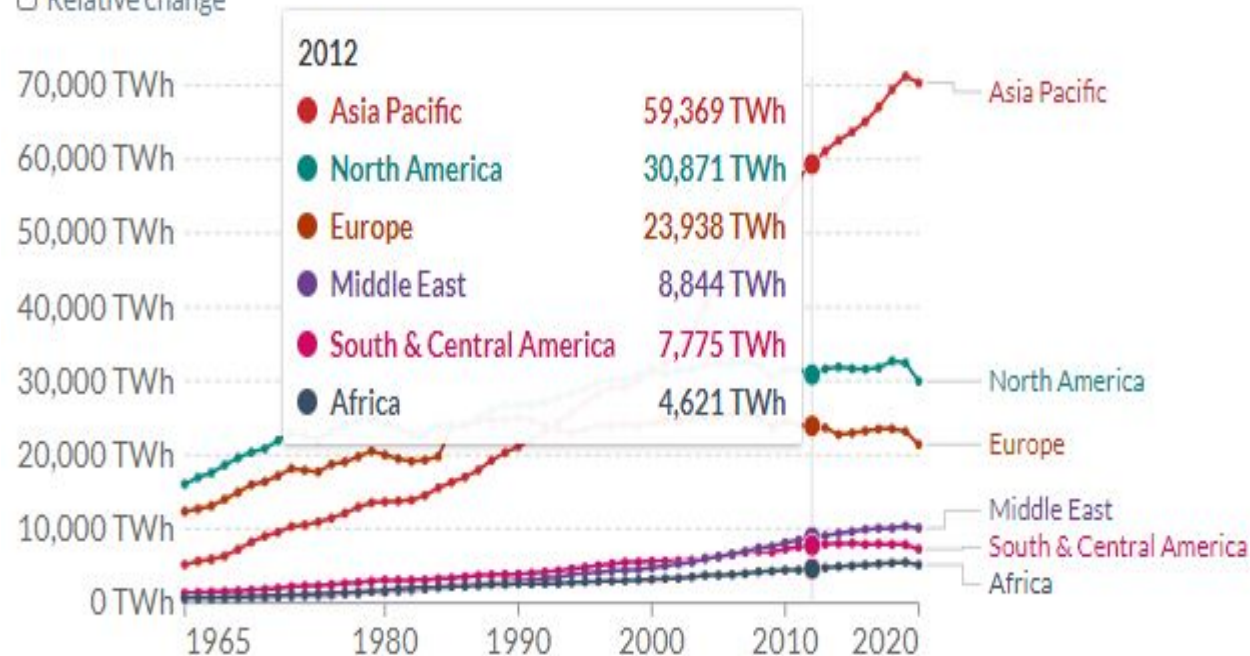
# Energy and human development

## Primary energy consumption by world region

Primary energy consumption is measured in terawatt-hours (TWh). Note that this data includes only commercially-traded fuels (coal, oil, gas), nuclear and modern renewables used in electricity production. As such, it does not include traditional biomass sources.



□ Relative change



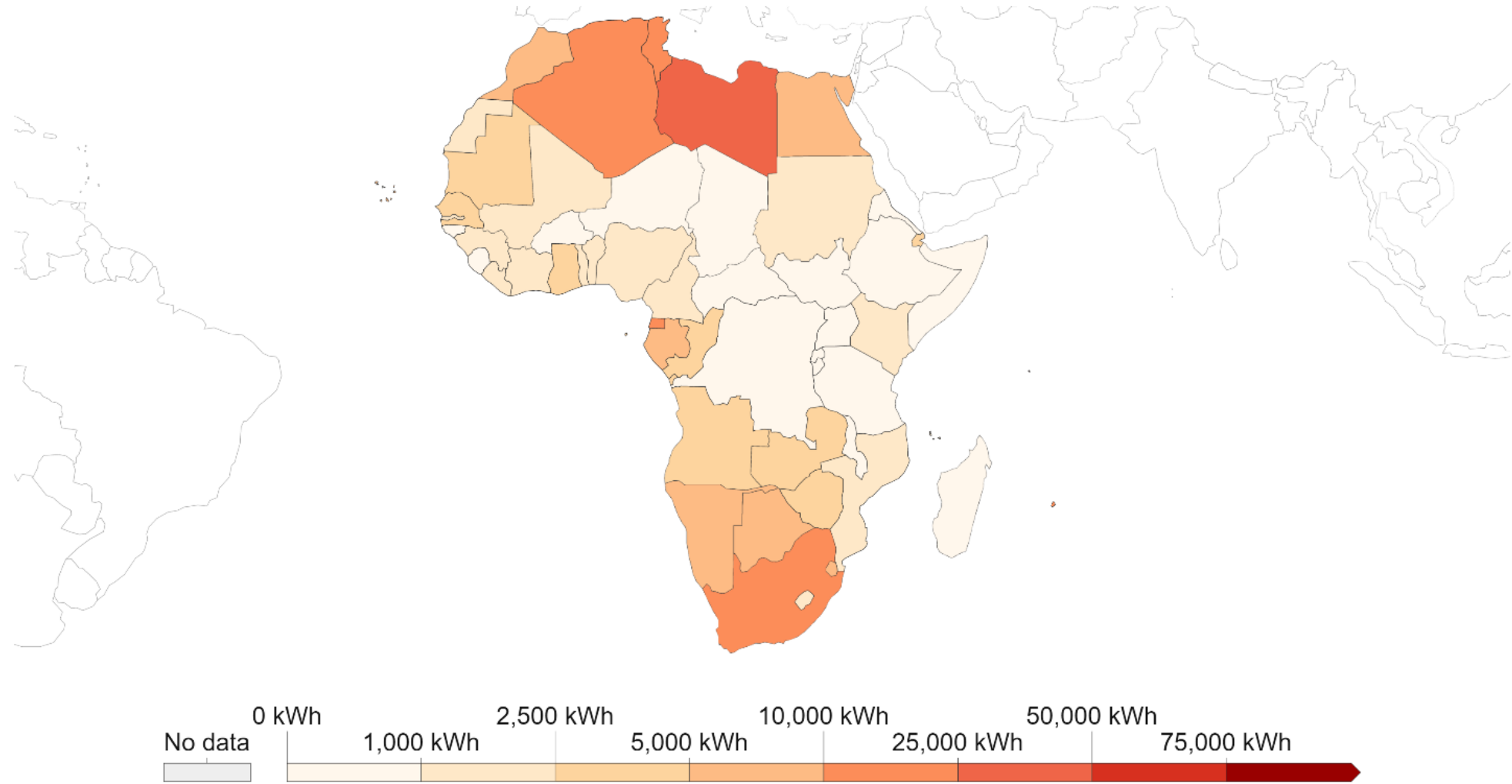
Source: BP Statistical Review of World Energy (2019)

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- Access to energy is fundamental for;
  - fulfilling basic social needs
  - driving economical growth
- Energy services have an effect on productivity, health, education, safe water and communication services.
- Acute energy shortage affect the economical development.

# Energy use per person, 2020

Energy use not only includes electricity, but also other areas of consumption including transport, heating and cooking.



Source: Our World in Data based on BP & Shift Data Portal

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Note: Energy refers to primary energy – the energy input before the transformation to forms of energy for end-use (such as electricity or petrol for transport).

# Renewable energy as complimentary energy source

- Widespread deployment of renewable energy sources will assist in improving and securing human development together with a planned capacity of 5.15 gigawatts dam in East Africa.