

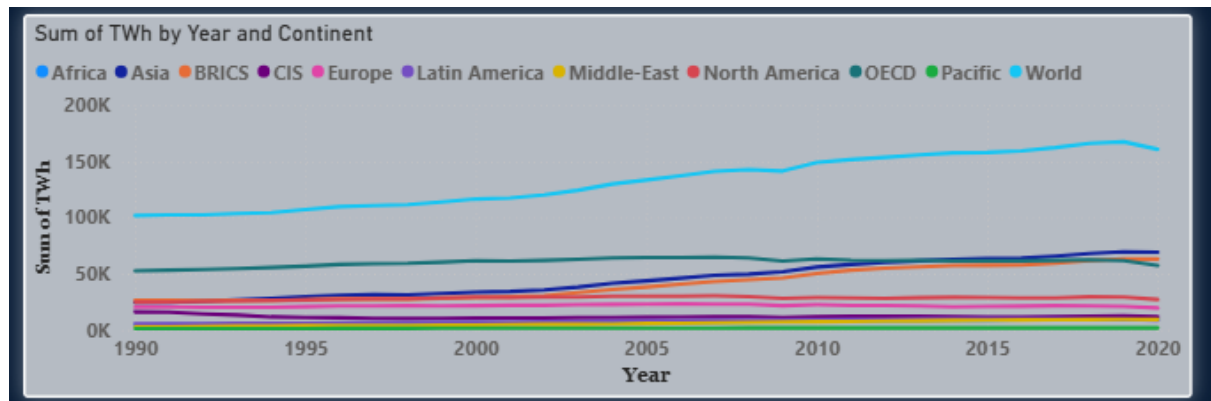
Business Question and Visualization Report

Date	23 July 2025
Skillwallet ID	SWUID20250176043
Project Name	Global Energy Trends: A Comprehensive Analysis of Key Regions and Generation Modes using Power BI
Maximum Marks	5 Marks

Business Questions and Visualisation

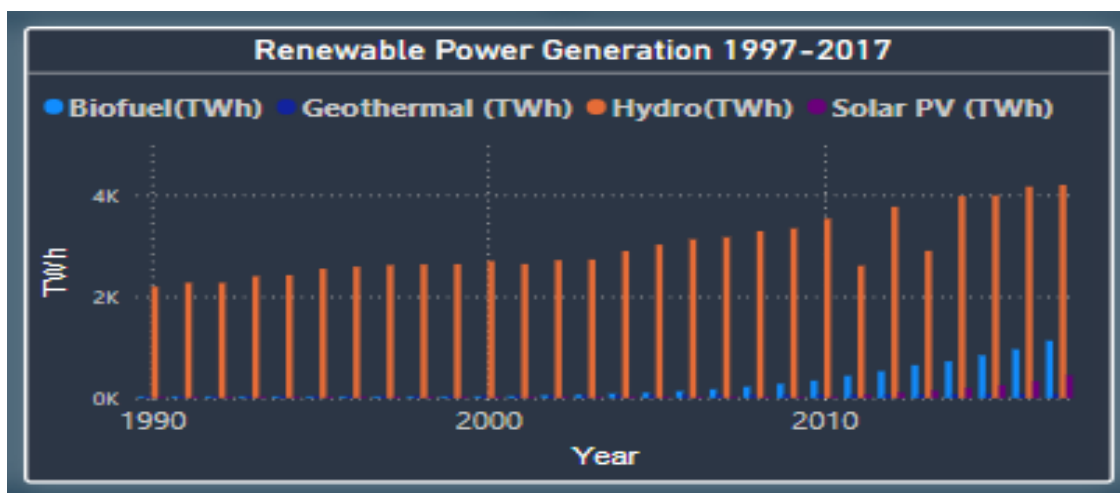
1. What is the total energy consumption across continents over the years?

- **Visualization:** Line chart showing total energy consumption (TWh) by continent over time.



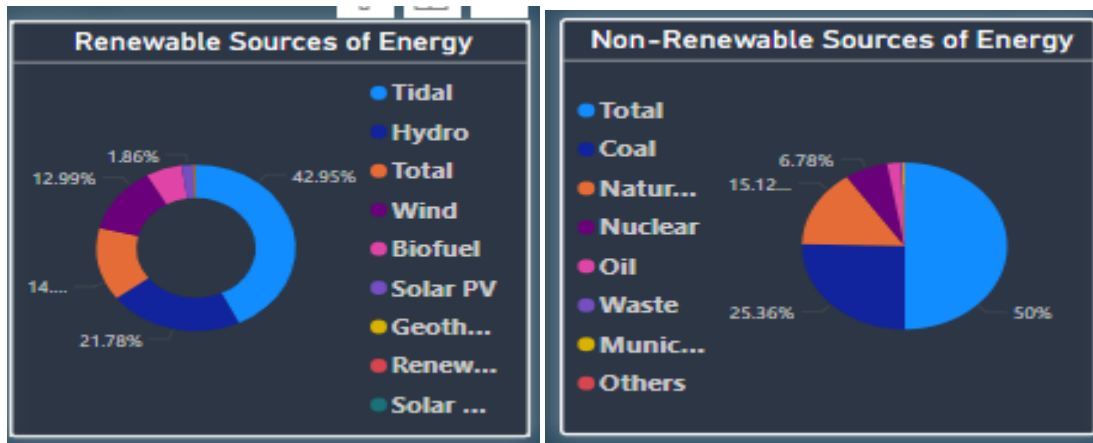
2. How has the global renewable energy generation trend evolved from 1997 to 2017?

- **Visualization:** Clustered Column chart illustrating the year-wise growth of renewable energy generation globally.



3. What percentage of total energy generation is contributed by renewable vs non-renewable sources?

- **Visualization:** Donut chart comparing renewable and non-renewable power generation shares.



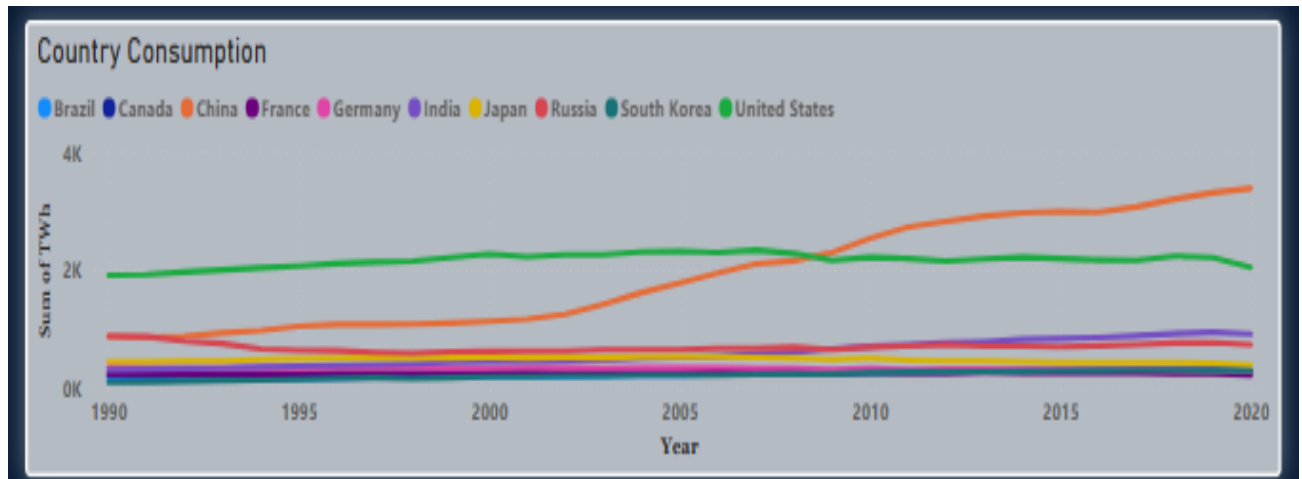
4. Which countries are the top 20 in power generation capacity?

- **Visualization:** Map visualization highlighting the top 20 energy-producing countries.



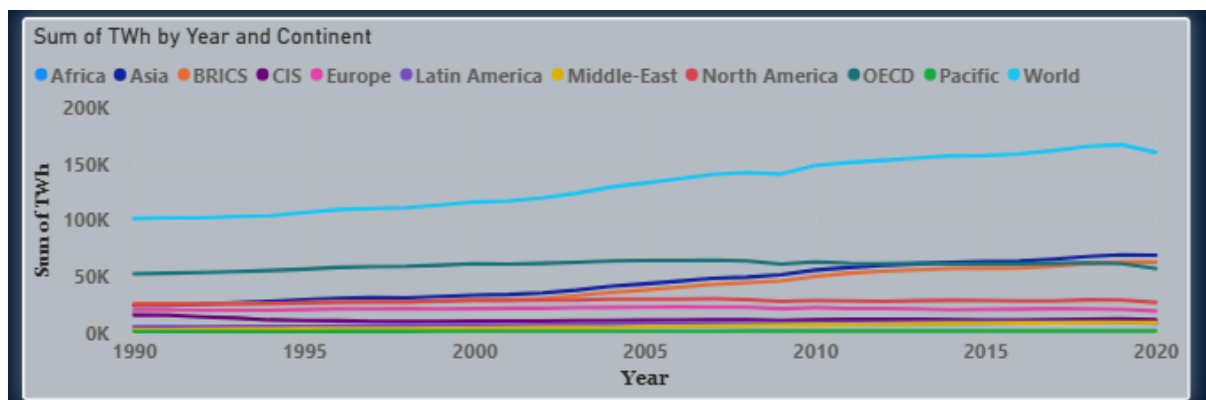
5. How does per capita energy consumption vary among selected countries?

- **Visualization:** Line chart showing per capita consumption trends for major countries.



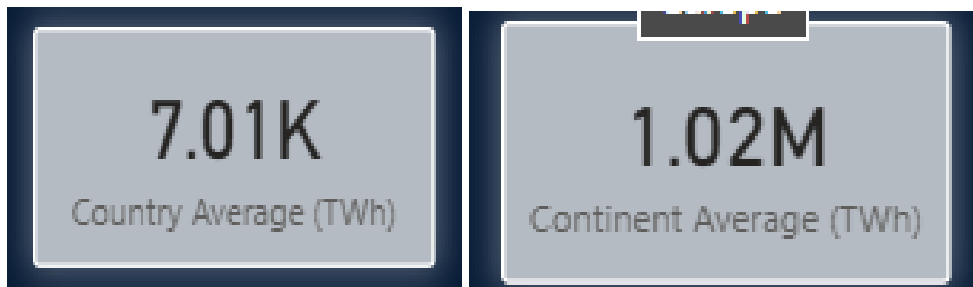
6. Which continent has shown the highest growth in energy consumption?

- **Visualization:** Multi-line chart comparing continental consumption patterns across years.



7. What are the total values of global energy consumption and generation in recent years?

- **Visualization:** Card visuals displaying total consumption and generation (TWh) as KPIs.



8. Which sources contribute the most to renewable and non-renewable energy, and how have biofuel, geothermal, and hydro energy trended over the past 3 decades?

- **Visualization:** Combination of area and line charts comparing contributions of tidal, coal, biofuel, hydro, and geothermal energy from 1990 to 2017.

