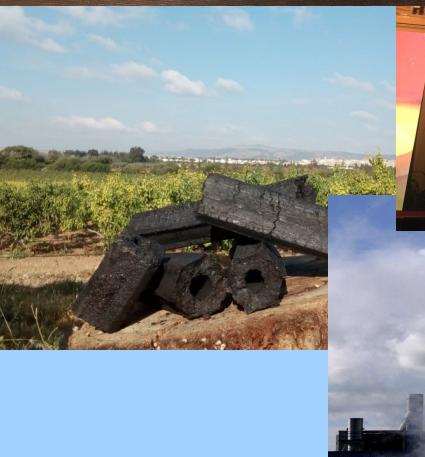




SUSTAINABLE DEVELOPMENT GOALS



Global Energy and Sustainability.

Nuclear and renewable energy sources are safe and low carbon source of energy.

Click to see report --->

13% of the world do not have access to electricity.

Click to see report--->

10% of the global primary energy production comes from modern renewable sources.

Click to see report --->

84% of global primary energy comes from fossil fuels.

Click to see report --->



Nuclear energy – alongside hydropower – is one of our oldest low-carbon energy technologies.

Overview

Nuclear Energy

Accessibility

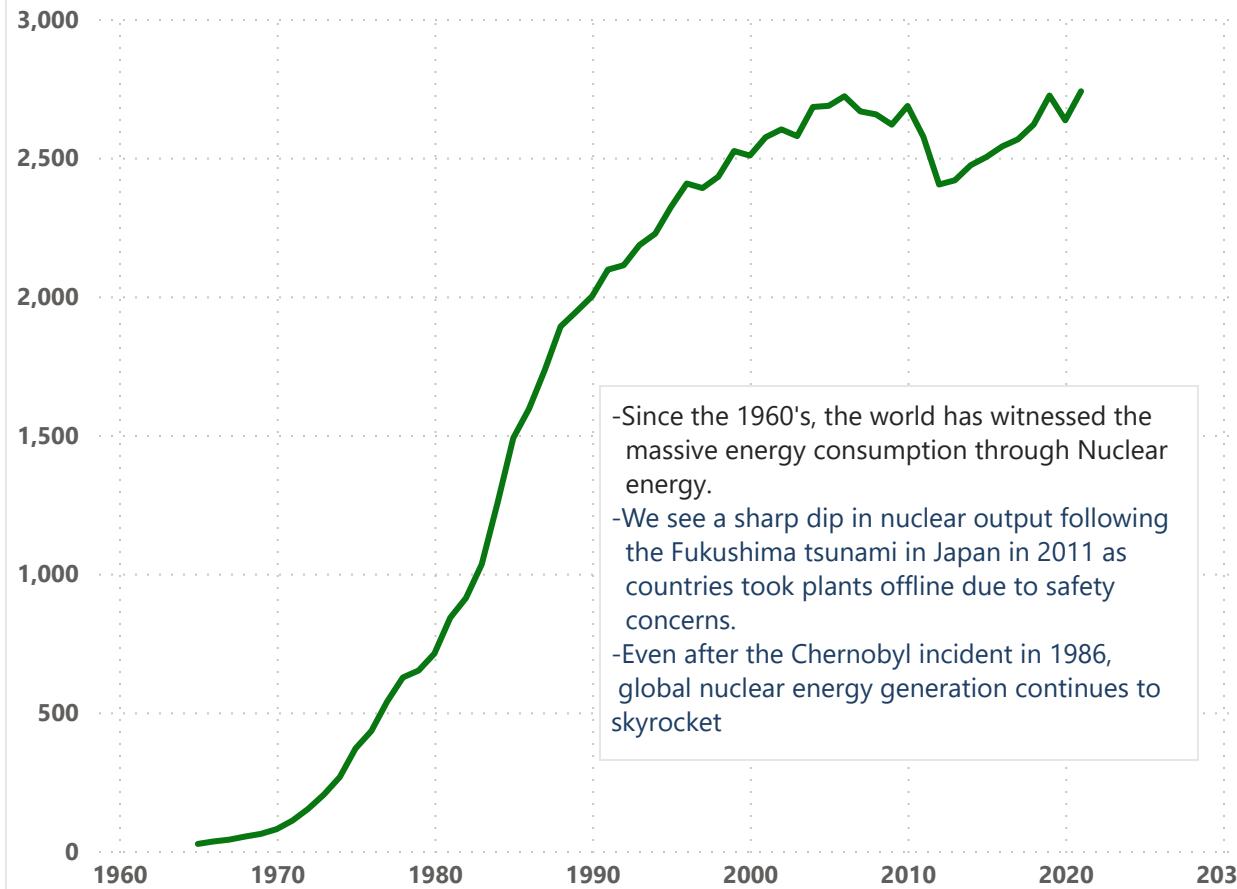
Production

Fossil Fuel

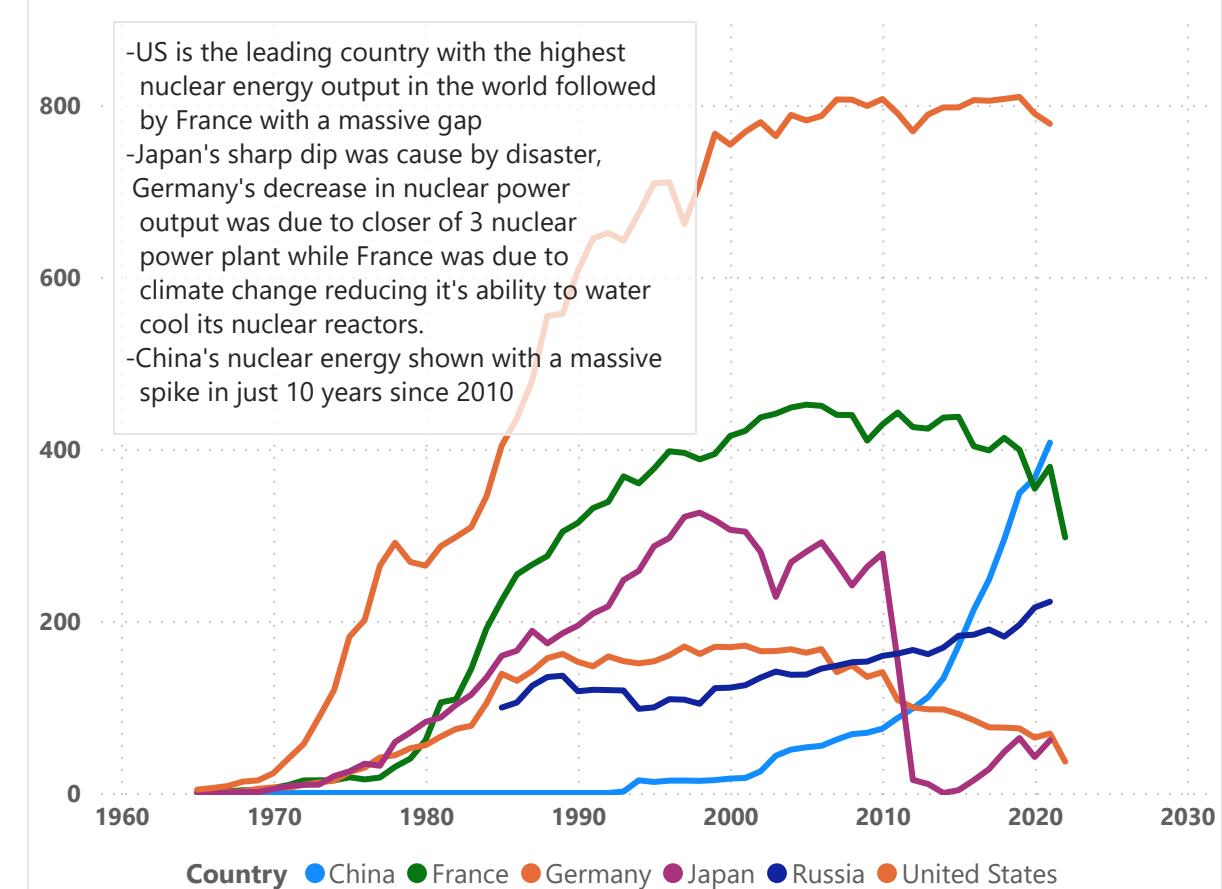
Nuclear Energy

Energy Sources

Global generation of Nuclear Energy (TWh)



Top Countries in Nuclear Power generation (TWh)



Whilst the trend is upward for most countries, significant improvements in access will remain a pressing challenge over the next few decades.

Overview

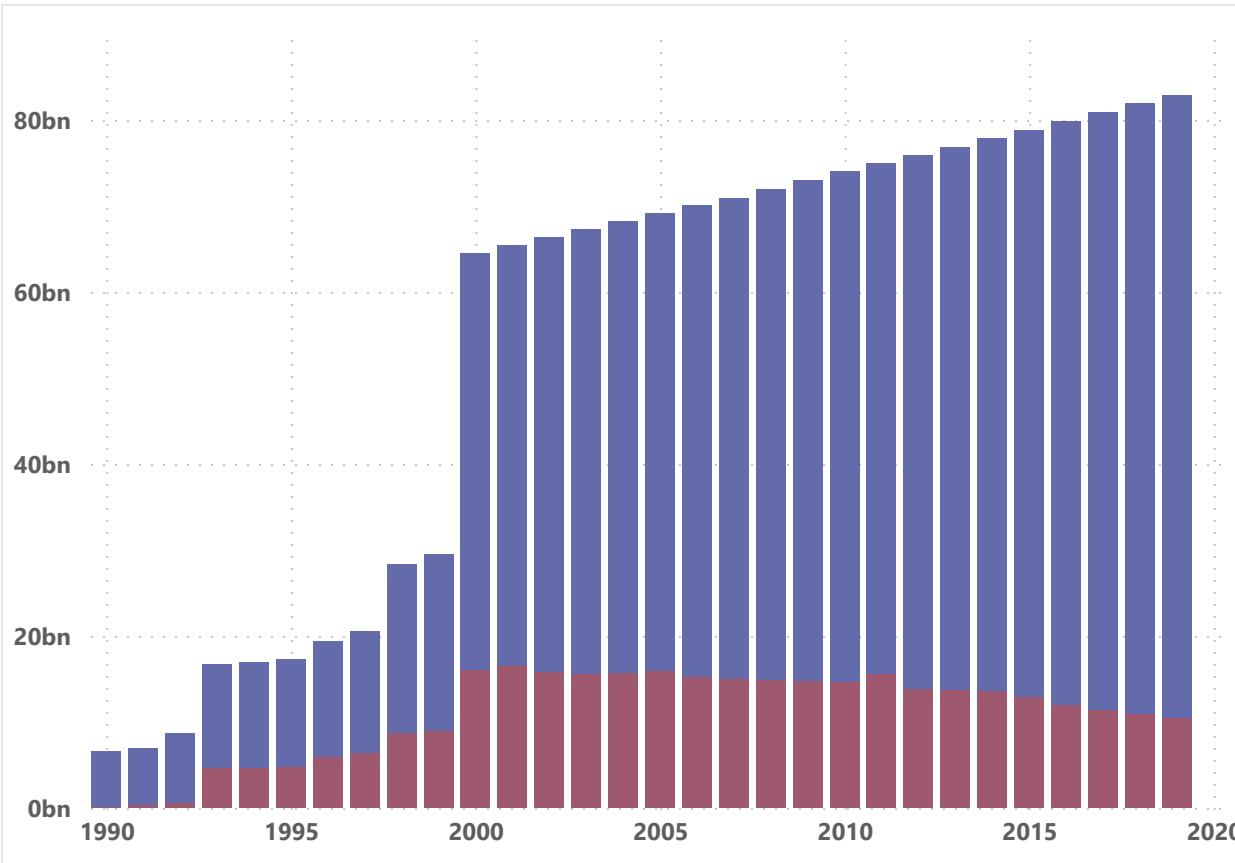
Nuclear Energy

Accessibility

Production

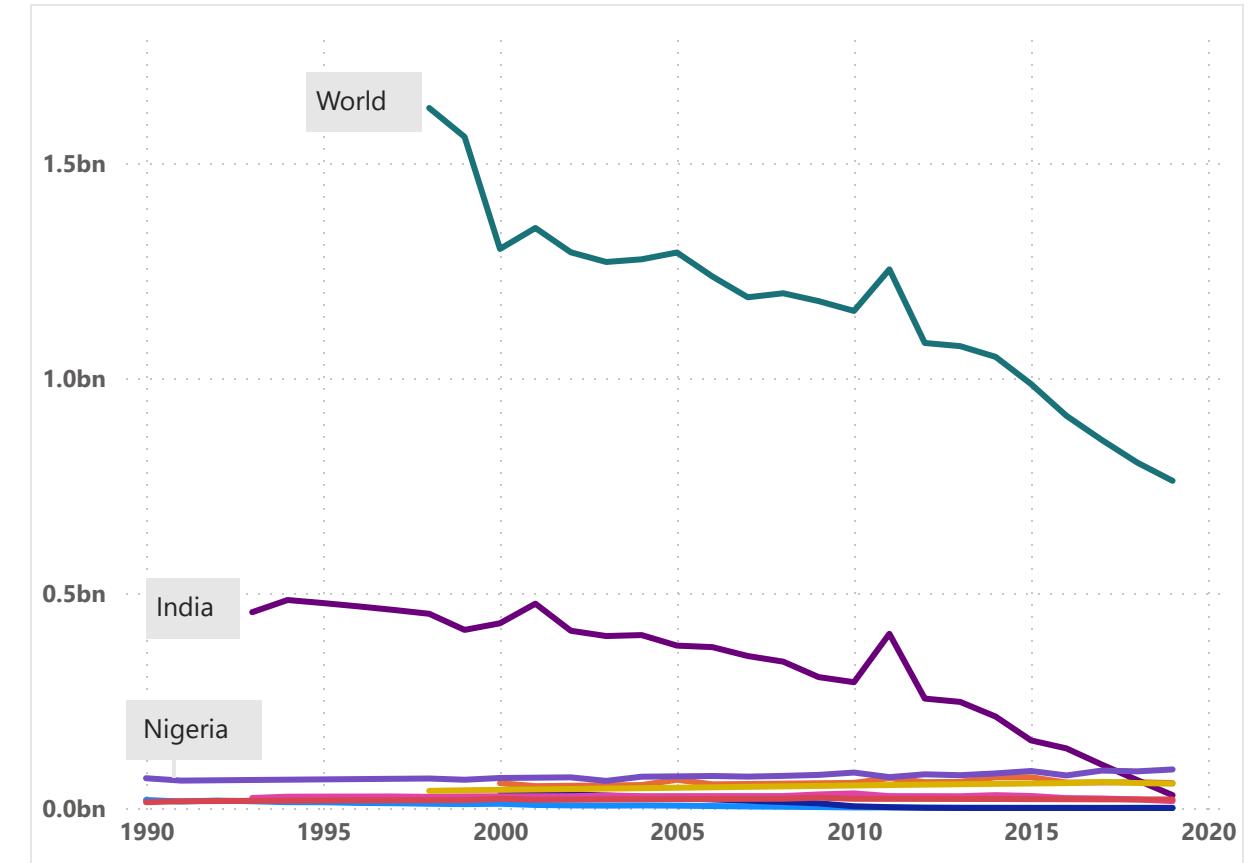
Fossil Fuel

Number of people **WITH** and **WITHOUT** electricity access



- A gradual decrease of number of people without access to electricity has been observed since 2000
- At a global level, the percentage of people with access to electricity has been steadily increasing over the last few decades. In 1990, around 71% of the world's population had access; this has increased to 87% in 2016.
- in 2019, 13% of the world do not have access to electricity

Countries **WITHOUT** access to electricity



- In global scale, significant decrease in number of people without access to electricity has been observed
- an improvement in India with access to electricity since 1990's; with down to 29.9M people do not have access to electricity in 2019
- In 2019, Nigeria has the highest number of people do not have access to electricity at 89M people followed by Ethiopia and Pakistan with 58M and 56M people respectively.

Renewable energy currently account a small share of global energy but growing quickly and can be a key role in tackling climate change.

Overview

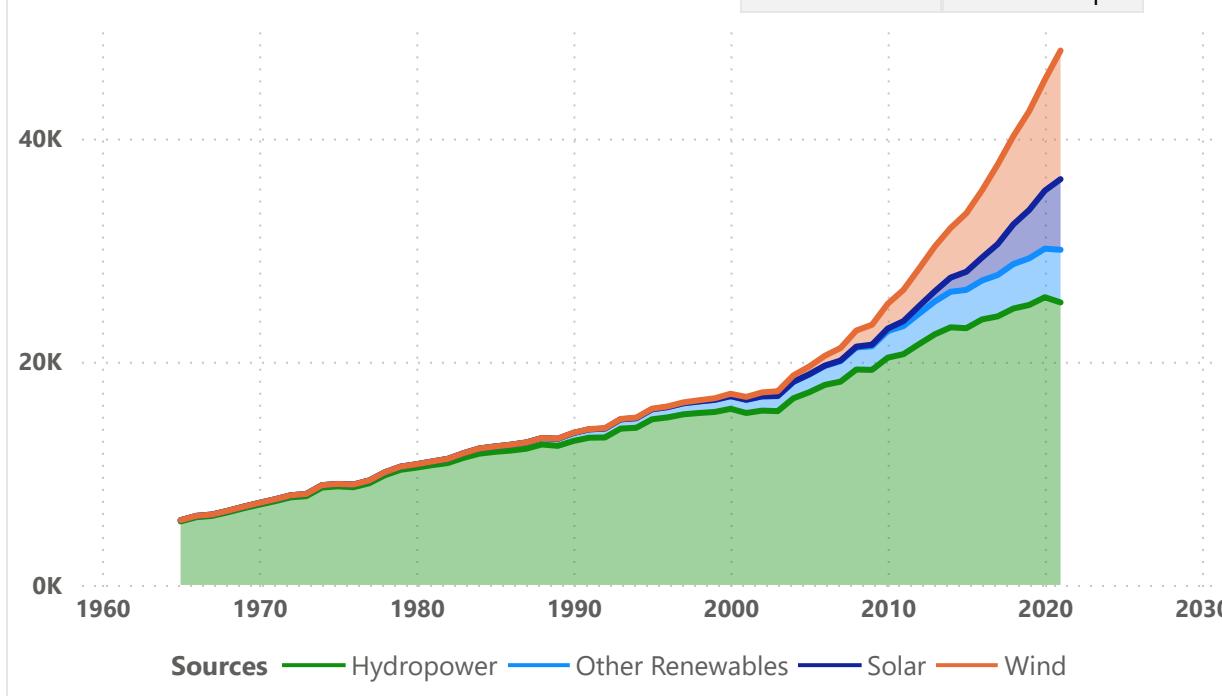
Nuclear Energy

Accessibility

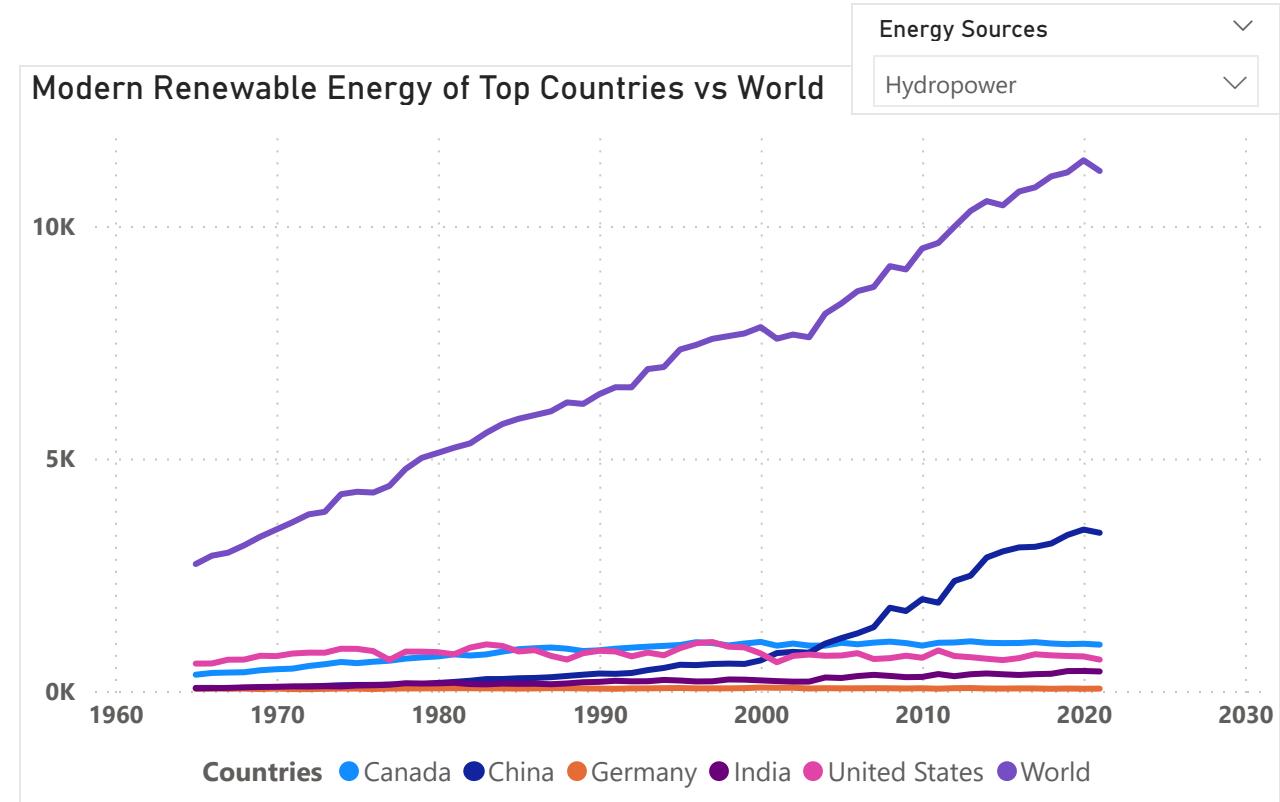
Production

Fossil Fuel

Renewable Energy - Stacked Area



Modern Renewable Energy of Top Countries vs World



-In 2019, around 11% of global primary energy came from renewable technologies.

-Hydropower by far the largest renewable energy source

-Solar and Wind are also rapidly growing

-Top countries are looking more into renewable energy in order to combat climate change and possibly save the environment.

-China leads in renewable energy output specially in hydropower due to Three Gorges Dam which is the world's largest dam that can generate an average of 95 ± 20 TWh of electricity per year,

Fossil fuels (coal, oil, gas) have, and continue to, play a dominant role in global energy systems.

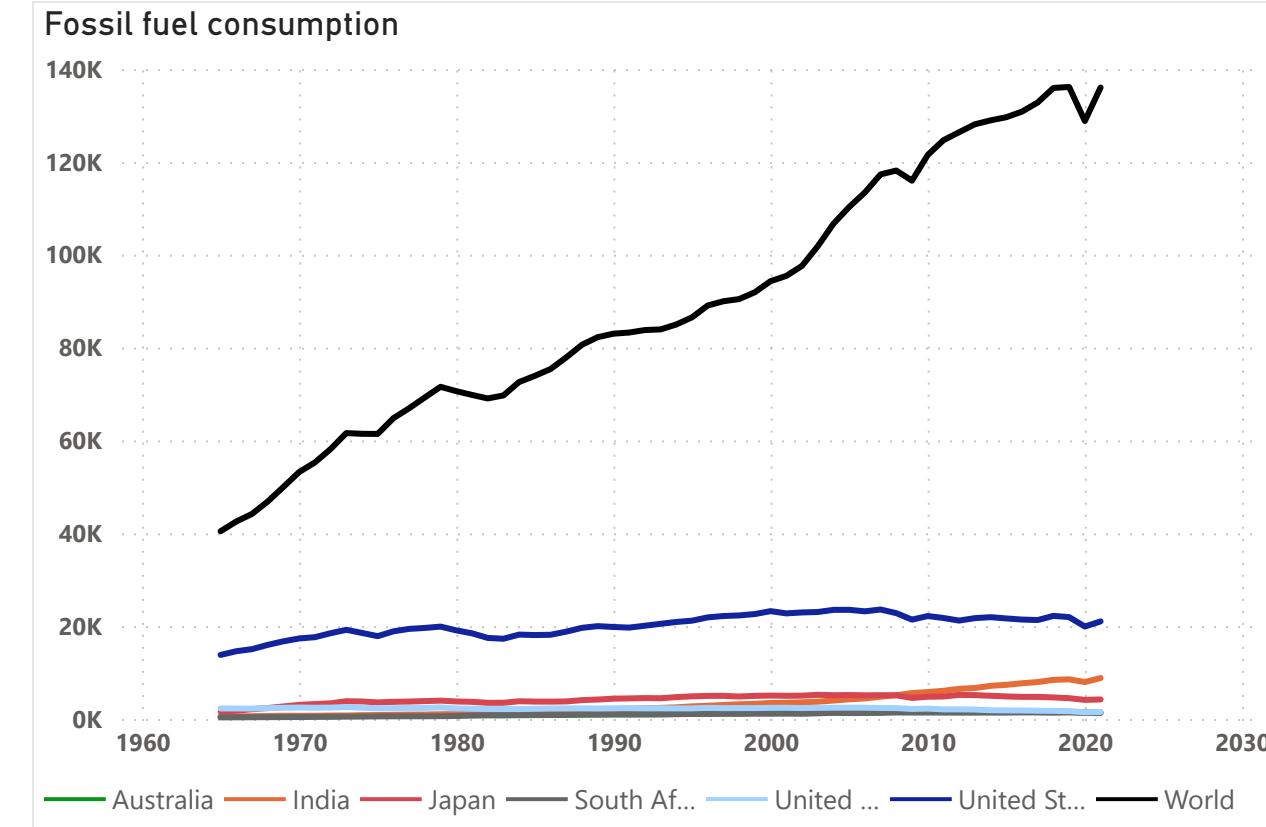
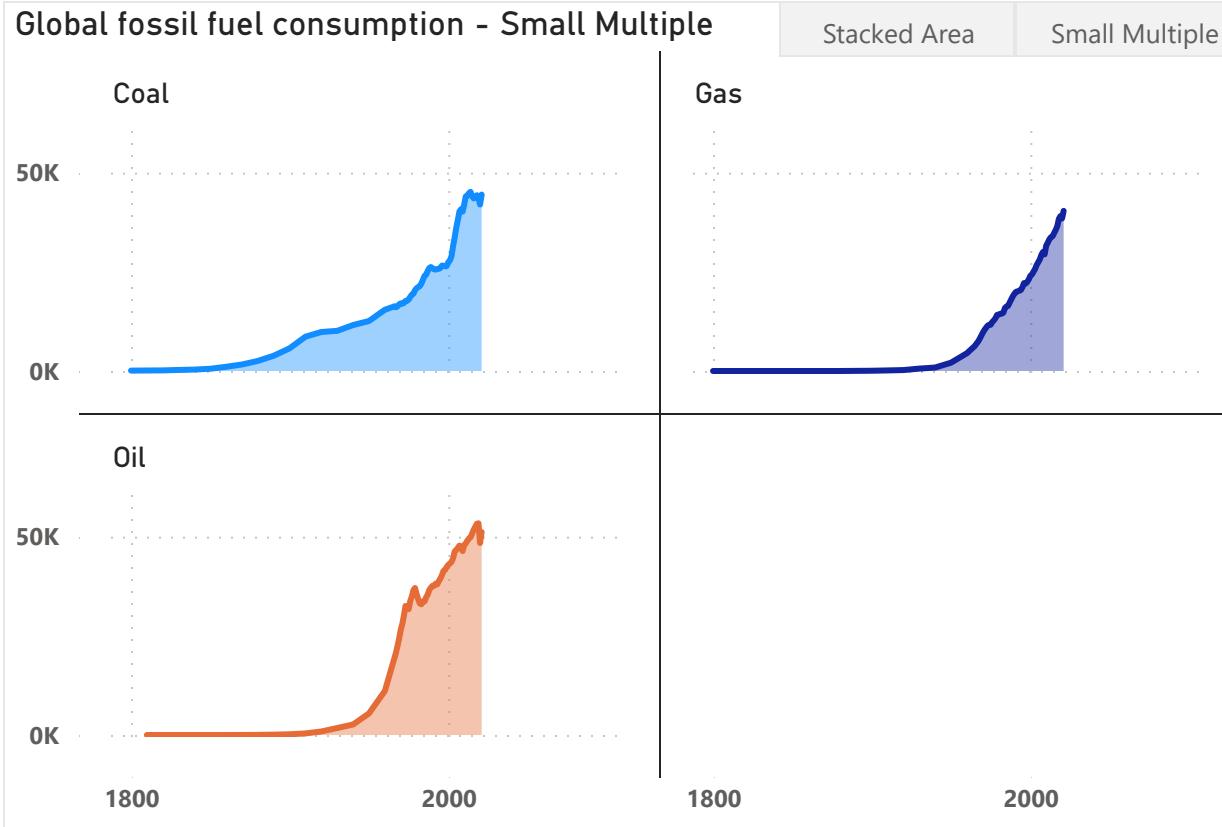
Overview

Nuclear Energy

Accessibility

Production

Fossil Fuel



-fossil fuel is the revolutionary technology humans ever discovered next to humans and animal muscle, and burning biomass such as wood and crops.

-fossil fuels are the major contributor to air pollution which linked to millions of premature deaths each year

-the world should quickly as possible transition to rapidly growing low-carbon sources of energy - nuclear and renewable energy sources

-In spite of the fact that clean energy are rapidly growing, it is still obvious that the fossil fuels still plays a major role in energy generation

-in 2020, the slight dip was due to covid-19 pandemic which temporarily ceased the world wide transaction including fossil fuel transport.

-Although United States is the leading country who produces clean energy through nuclear power, it is also the leading country to produce fossil fuel