

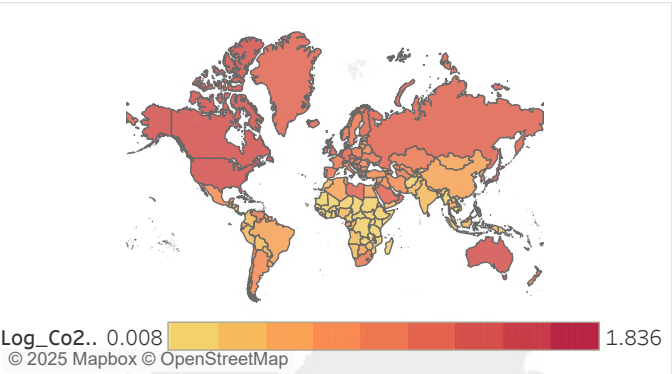
# CO2 Emissions Analysis & Renewable Energy Trends

## From Emissions to Renewables: Trends in Global Sustainability

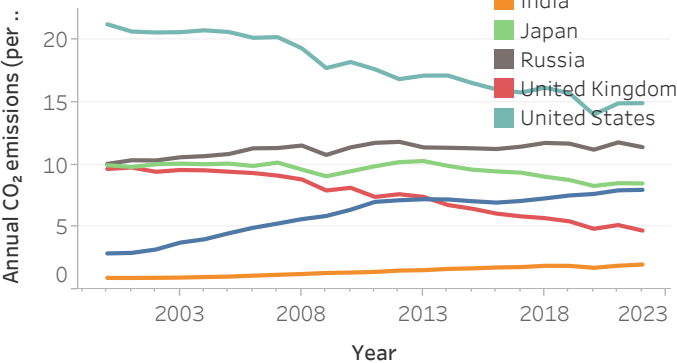
YEAR 2000

☒ Show histo..

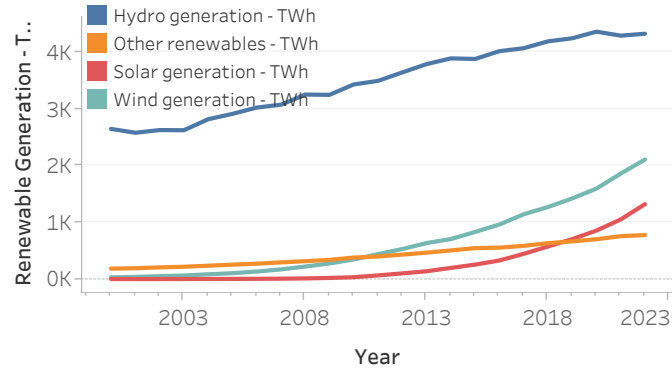
Annual CO<sub>2</sub> Emissions Per Capita(Log Scale) Timeline Animation - 2000



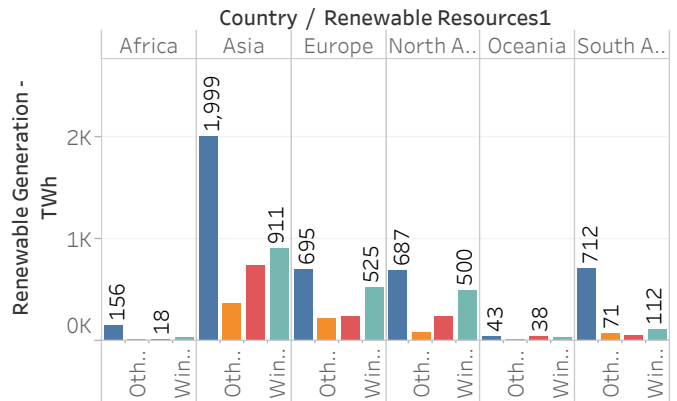
Annual CO<sub>2</sub> Emissions Per Capita - Trends in Top Economies



Global Trends in Renewable Energy Generation by Resource Over the Years



Regional Generation of Renewable Energy by Resources



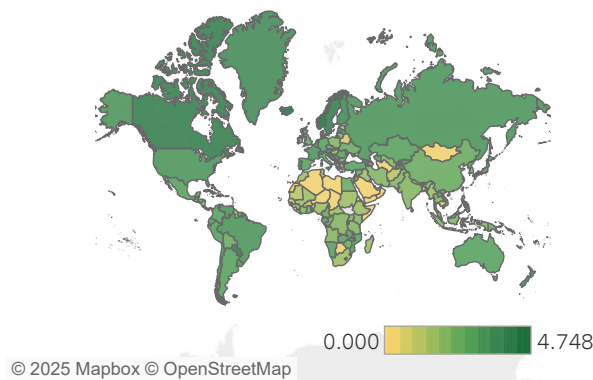
# Economic Growth and Environmental Sustainability

## Analyzing Global CO<sub>2</sub> Emissions, GDP, and Renewable Energy Production

2000

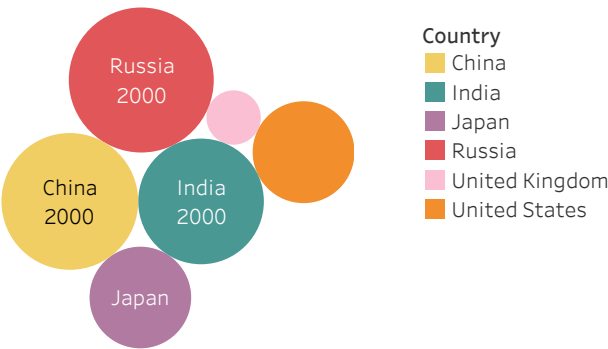
☒ Show history

Global Renewable Energy Production Per Capita (Log Scale) - Heat Map Animation - Year 2000



Renewable Electricity Share in Top Economies - 2000

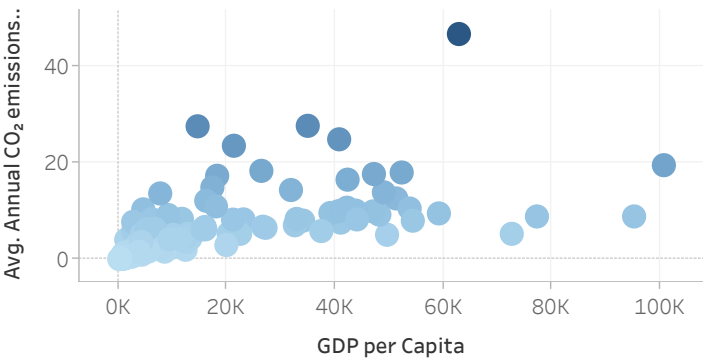
Year  
2000



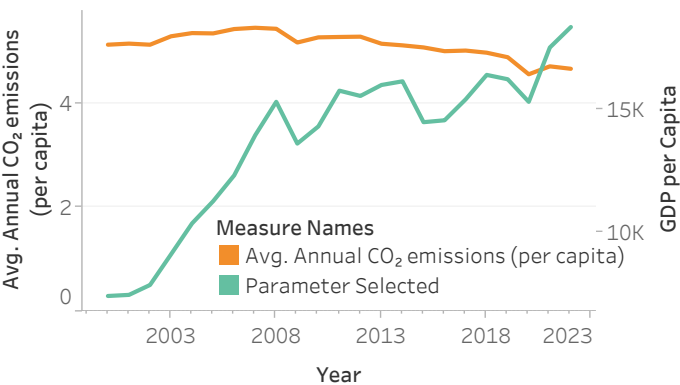
### Renewable Energy Vs GDP

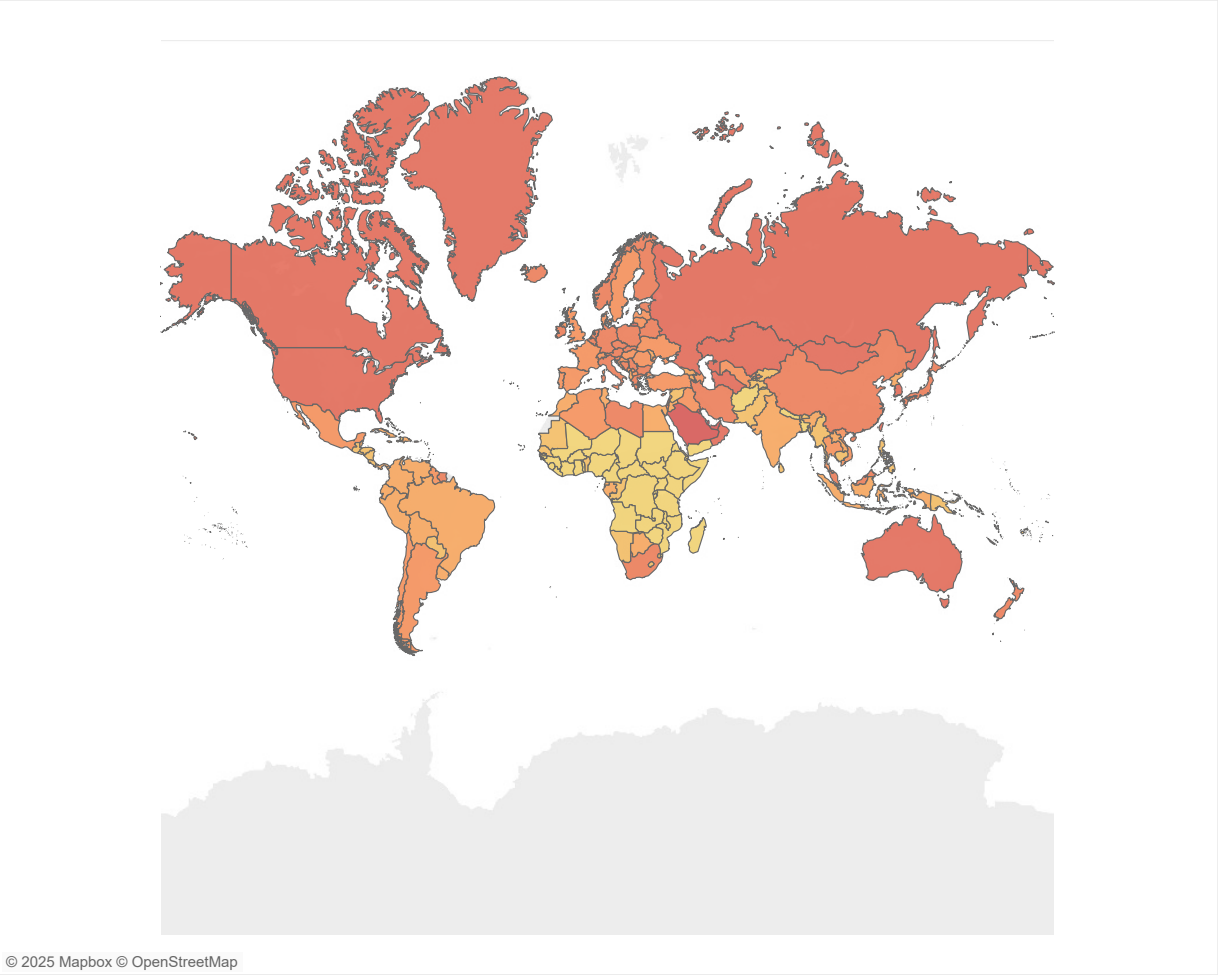
GDP per Capita

Correlation of Annual CO<sub>2</sub> Emissions vs GDP per Capita



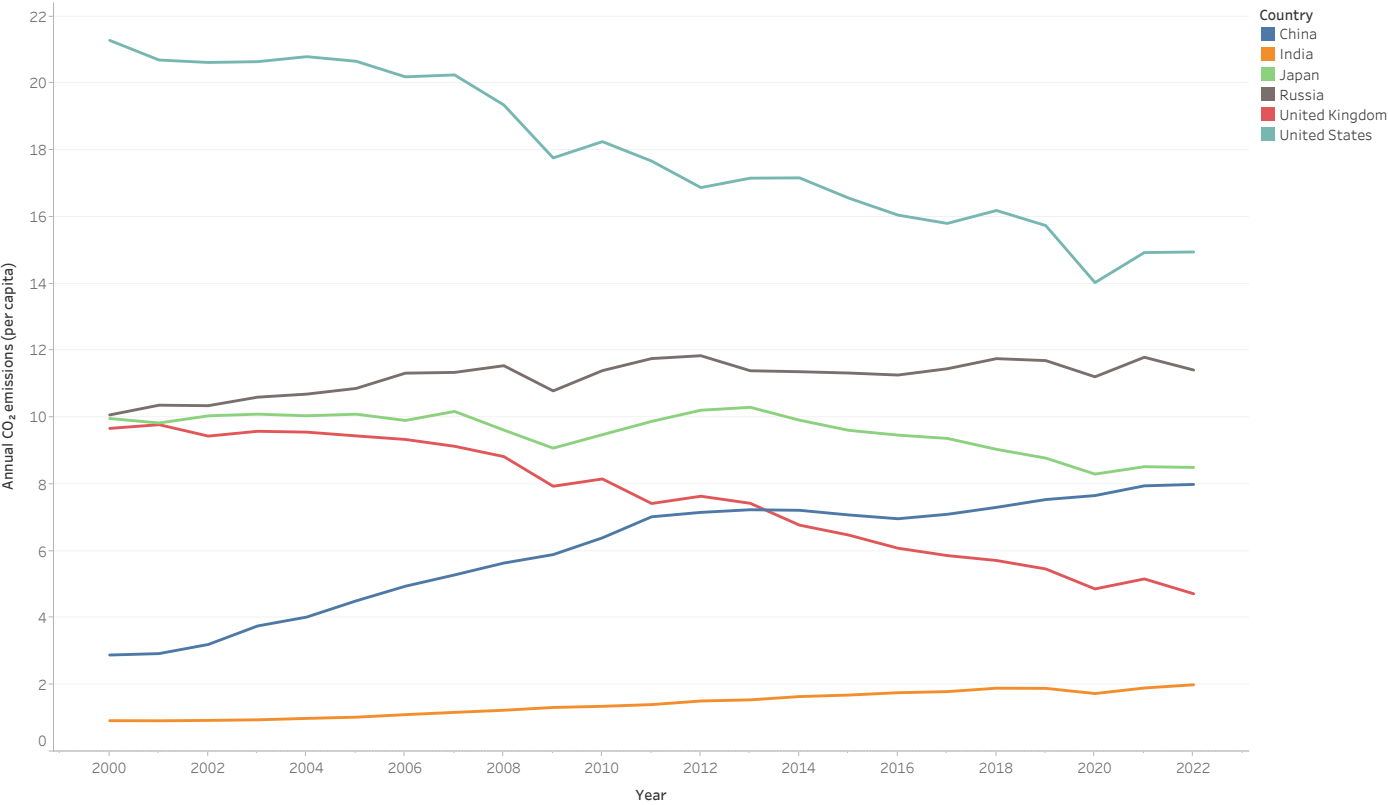
Avg CO<sub>2</sub> Emissions vs GDP per Capita Trend Comparison





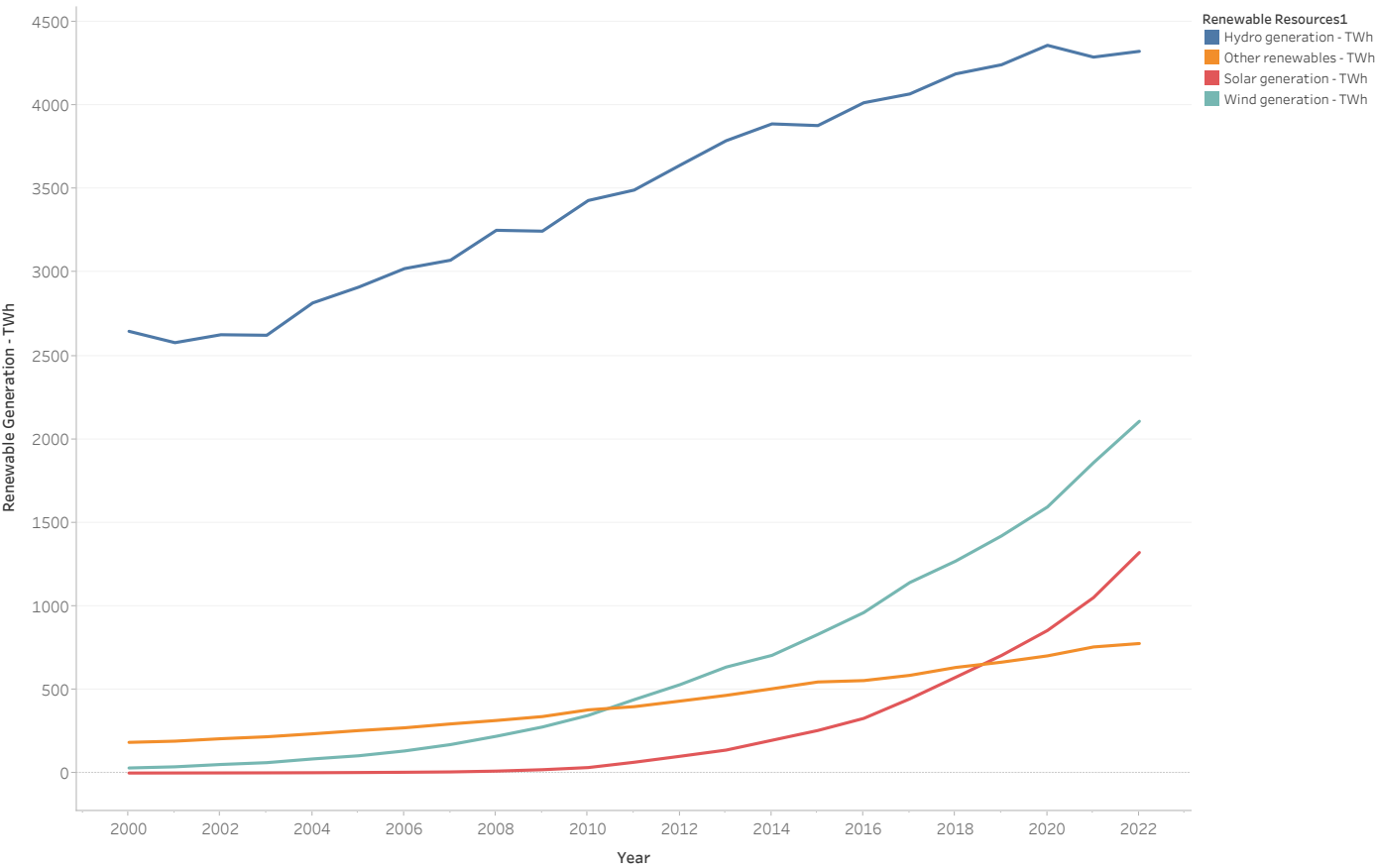
Map based on Longitude (generated) and Latitude (generated). Color shows sum of Log\_Co2Emissionpercapita. Details are shown for Entity (co-emissions-per-capita.csv). The view is filtered on Year (co-emissions-per-capita.csv) Year, which keeps 23 members.

Annual CO<sub>2</sub> Emissions Per Capita - Trends in Top Economies



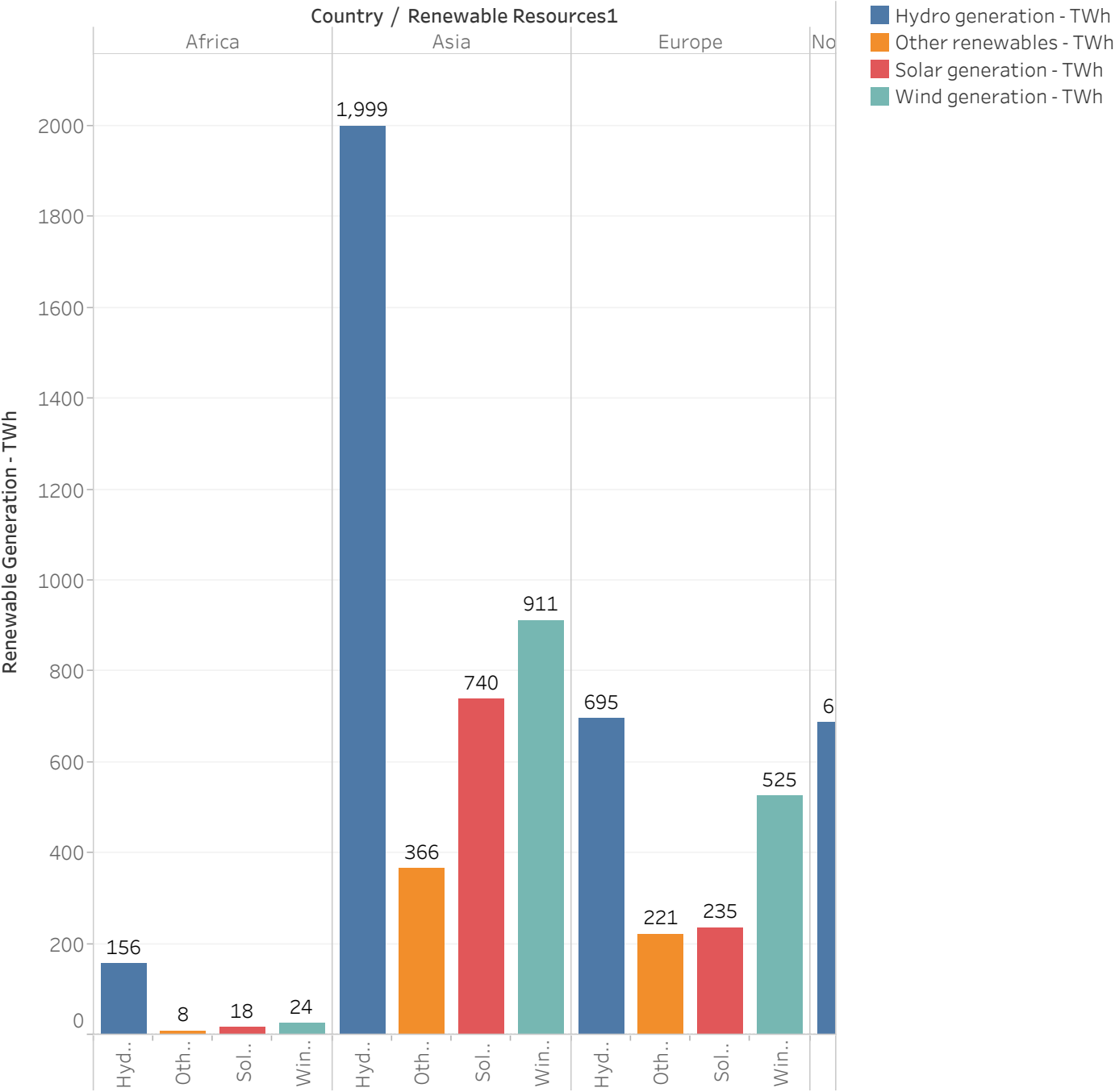
The trend of sum of Annual CO<sub>2</sub> emissions (per capita) for Year (co-emissions-per-capita.csv) Year. Color shows details about Entity (co-emissions-per-capita.csv). The data is filtered on Year (co-emissions-per-capita.csv) Year, which keeps 23 members. The view is filtered on Entity (co-emissions-per-capita.csv), which keeps 6 members.

Global Trends in Renewable Energy Generation by Resource Over the Years



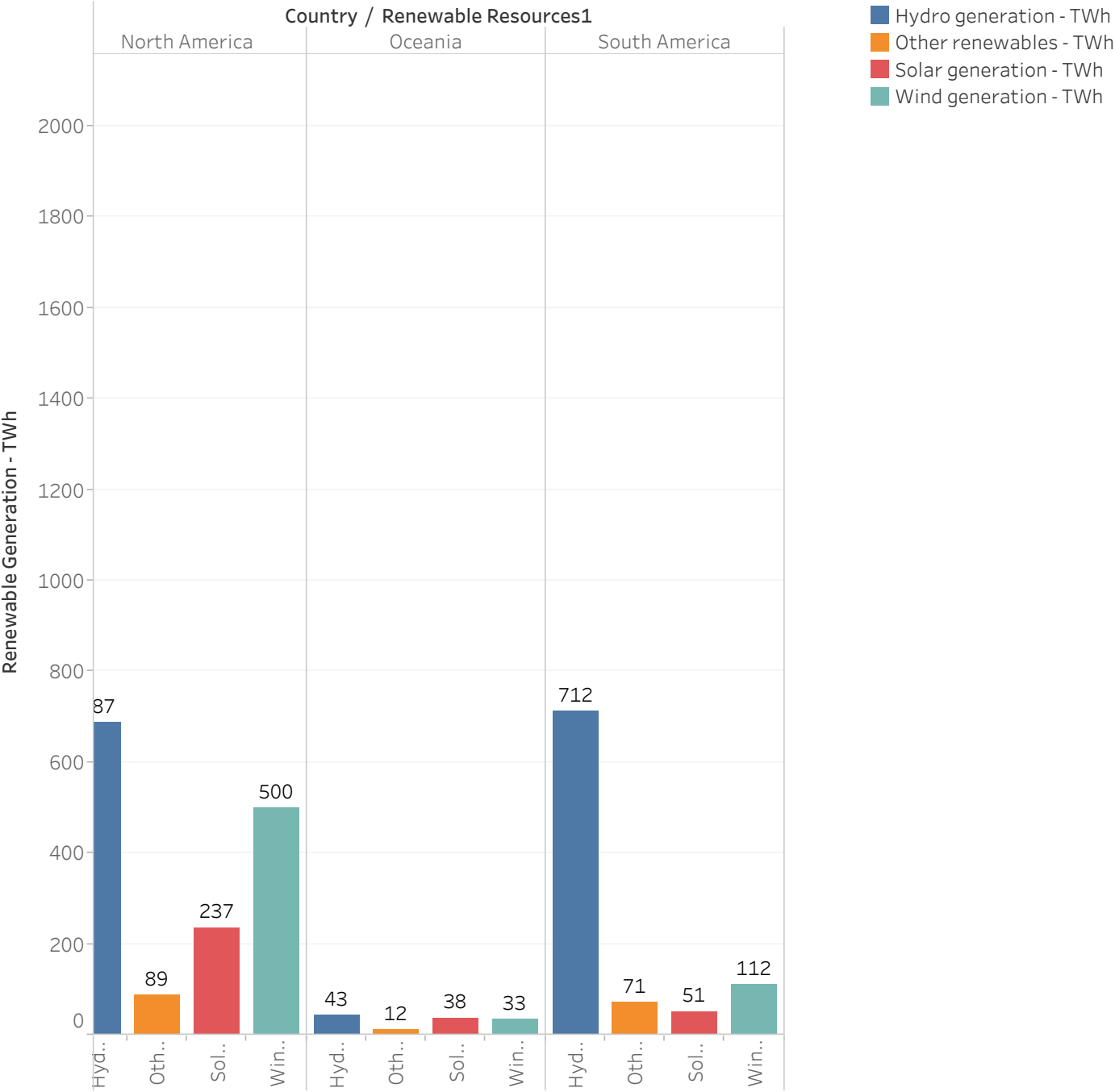
The trend of sum of Renewable Generation - TWh for Year (renewable-electricity-per-capita.csv)1 Year. Color shows details about Renewable Resources1. The data is filtered on Entity (co-emissions-per-capita.csv) and Year (renewable-electricity-per-capita.csv)1 Year. The Entity (co-emissions-per-capita.csv) filter keeps World. The Year (renewable-electricity-per-capita.csv)1 Year filter excludes 11 members.

# Regional Generation of Renewable Energy by Resources



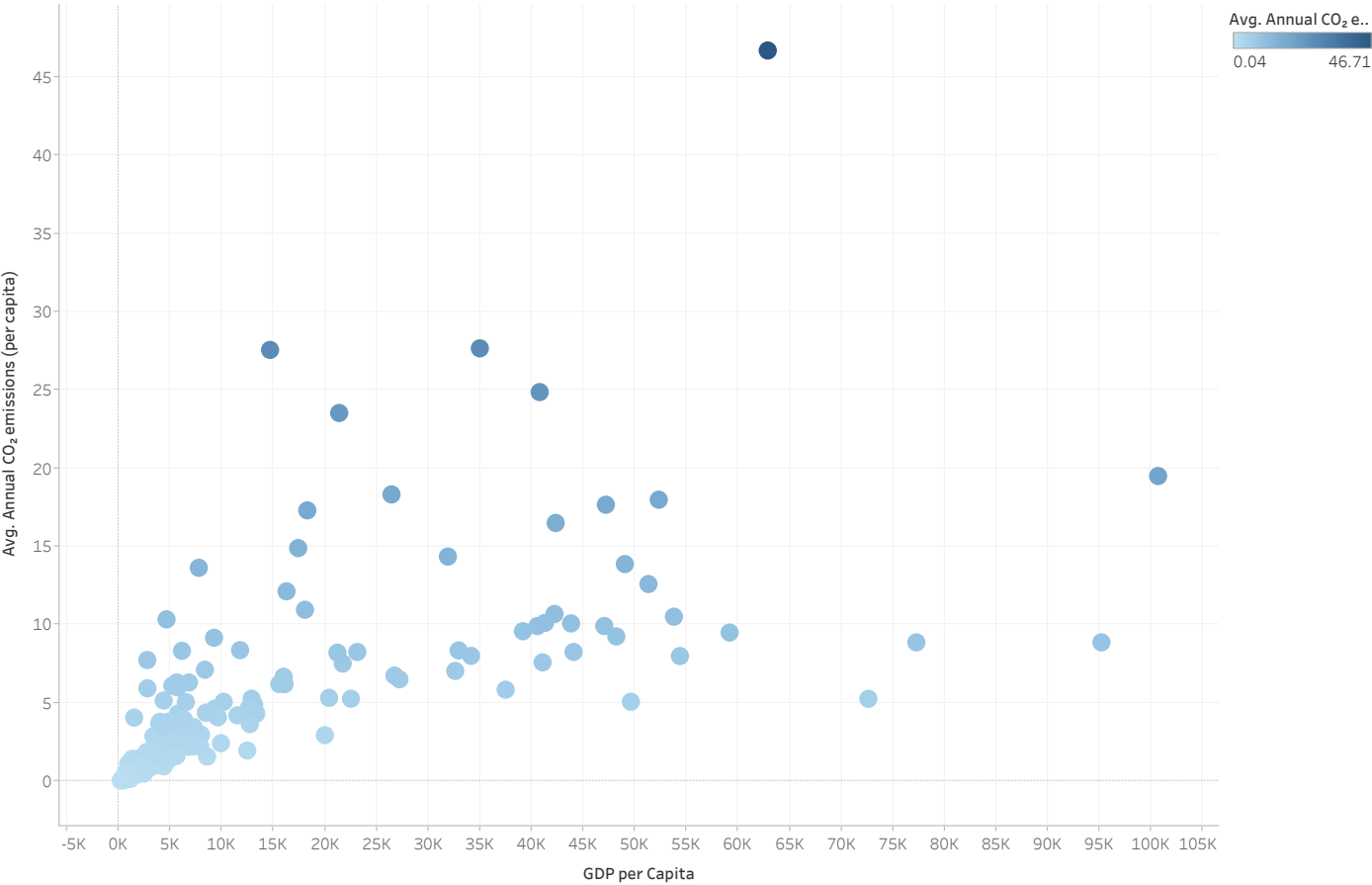
Sum of Renewable Generation - TWh for each Renewable Resources1 broken down by Country. Color shows details about Renewable Resources1. The data is filtered on Required Years Set, which keeps 1 member. The view is filtered on Country, which keeps 6 members.

# Regional Generation of Renewable Energy by Resources



Sum of Renewable Generation - TWh for each Renewable Resources1 broken down by Country. Color shows details about Renewable Resources1. The data is filtered on Required Years Set, which keeps 1 member. The view is filtered on Country, which keeps 6 members.

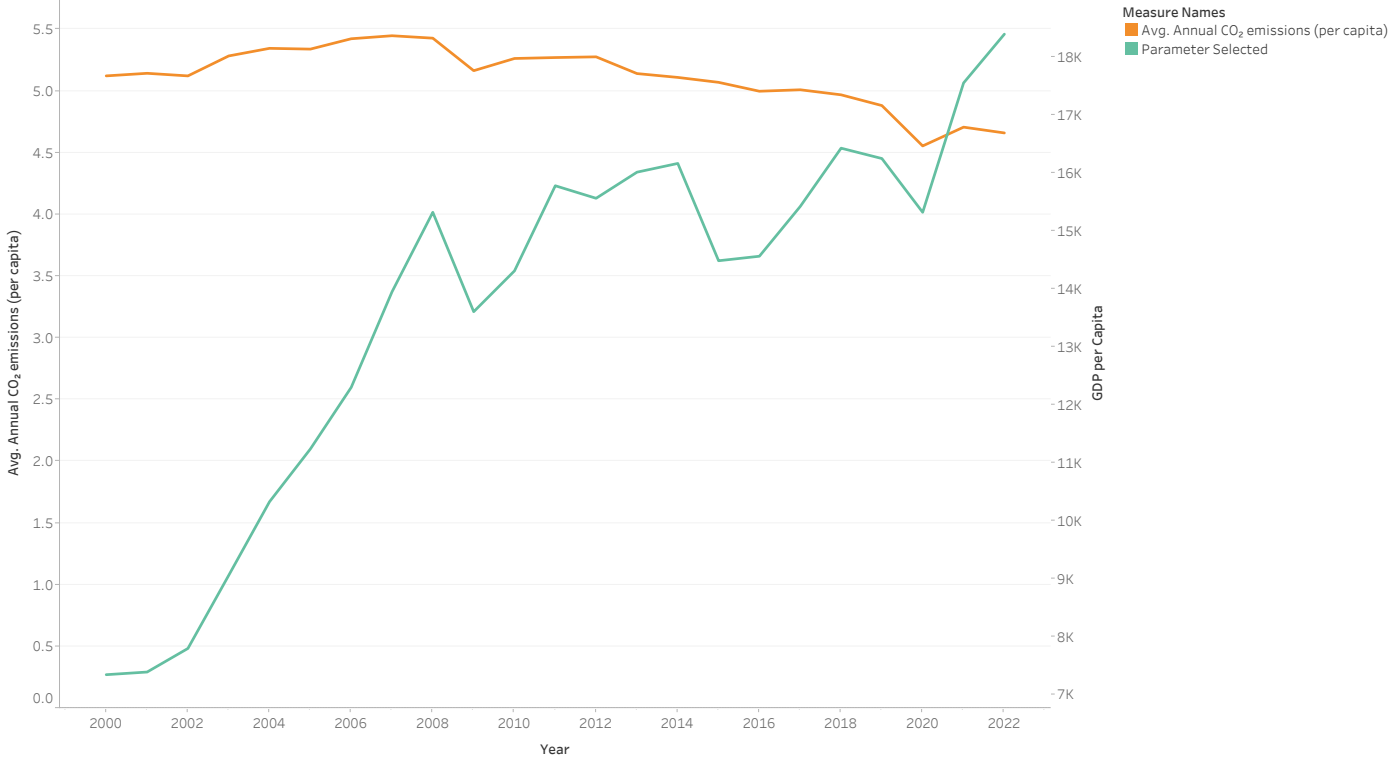
Correlation of Annual CO<sub>2</sub> Emissions vs GDP per Capita



Average of Parameter Calculation vs. average of Annual CO<sub>2</sub> emissions (per capita). Color shows average of Annual CO<sub>2</sub> emissions (per capita). Details are shown for Entity (co-emissions-per-capita.csv). The data is filtered on Year (co-emissions-per-capita.csv) Year, which has multiple members selected.

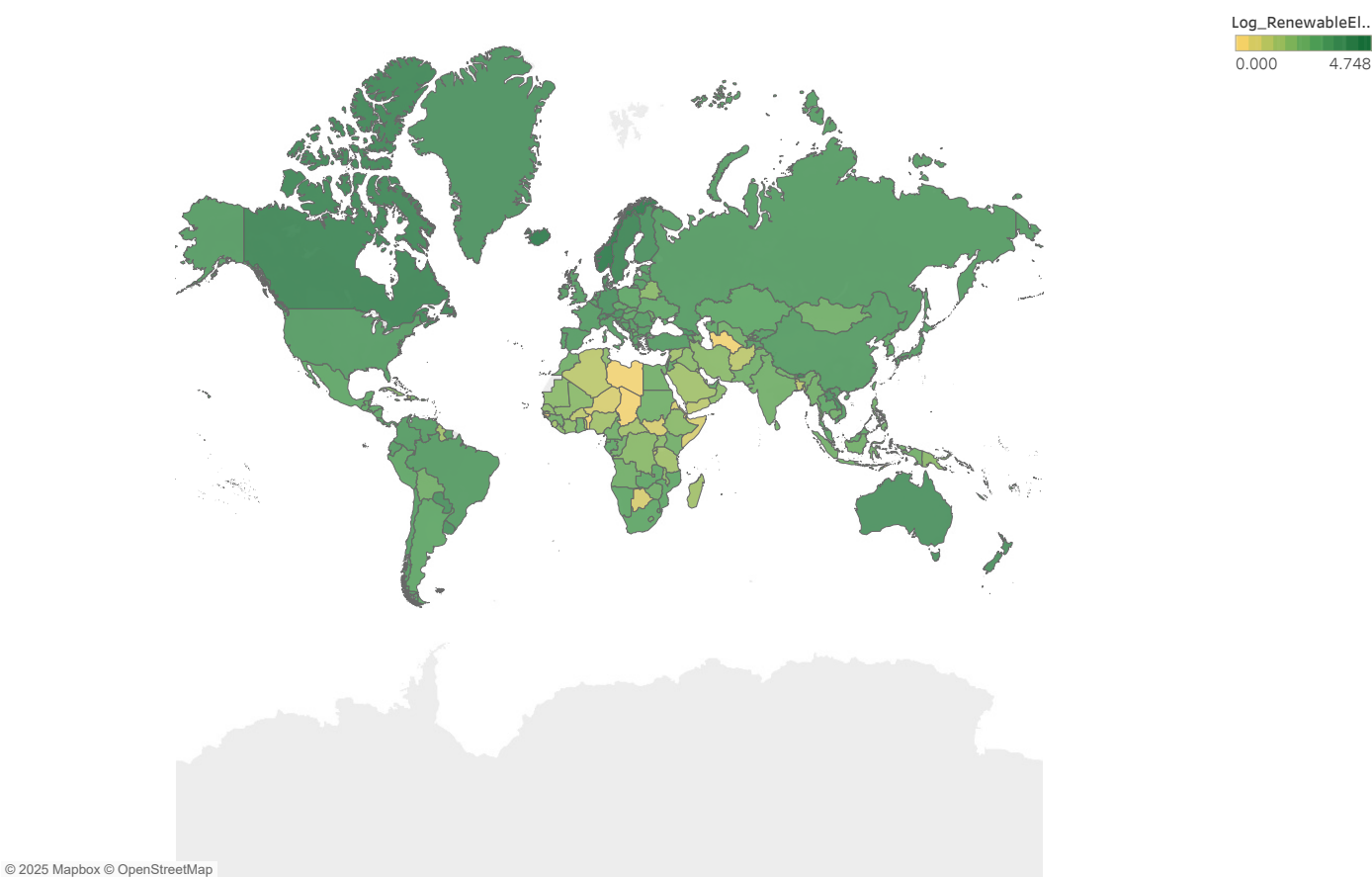


Avg CO<sub>2</sub> Emissions vs GDP per Capita Trend Comparison



The trends of Avg. Annual CO<sub>2</sub> emissions (per capita) and Parameter Selected for Year (co-emissions-per-capita.csv) Year. Color shows details about Avg. Annual CO<sub>2</sub> emissions (per capita) and Parameter Selected. The data is filtered on Year (co-emissions-per-capita.csv) Year, which has multiple members selected.

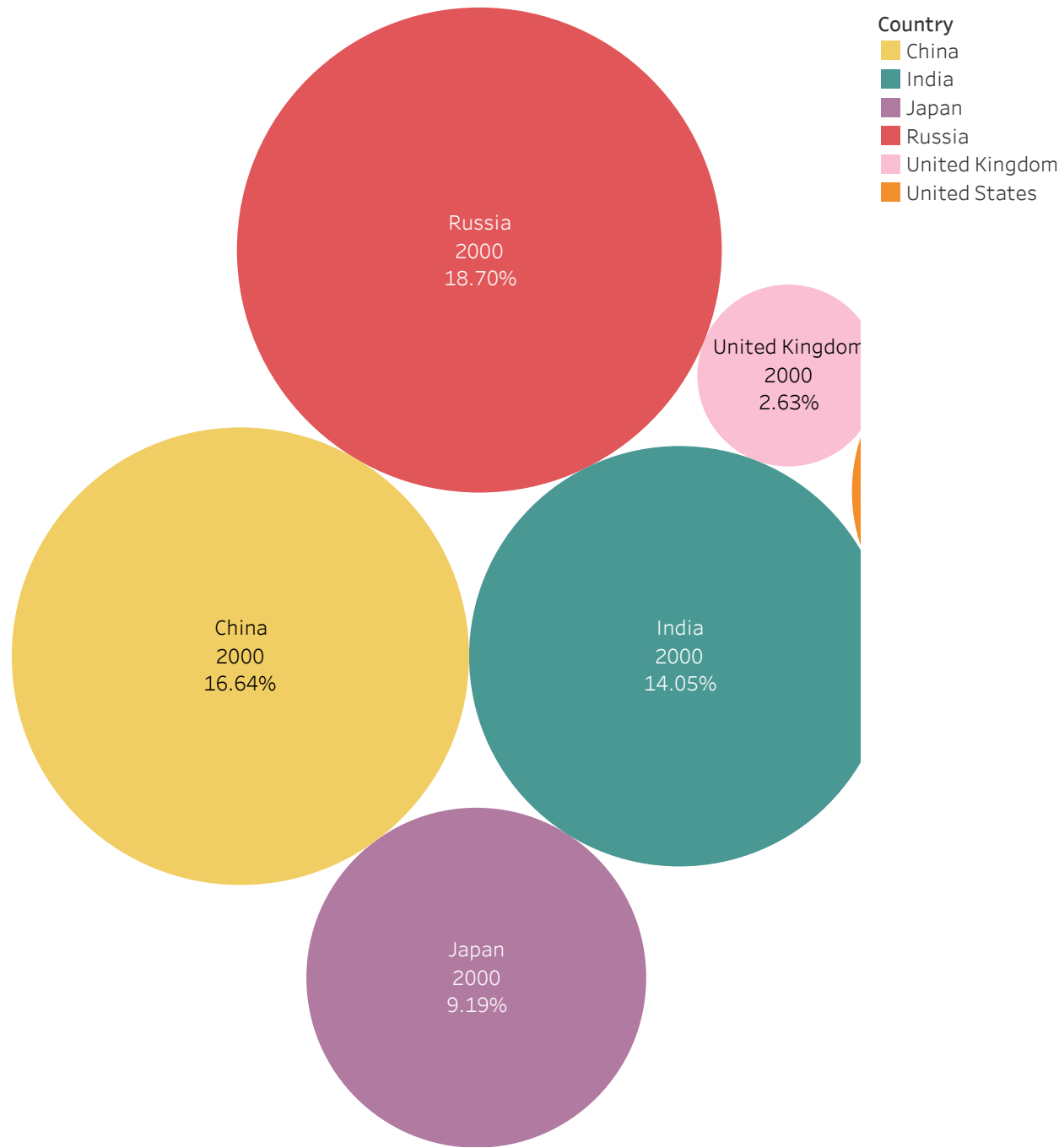
Global Renewable Energy Production Per Capita (Log Scale) - Heat Map Animation - Year 2022



© 2025 Mapbox © OpenStreetMap

Map based on Longitude (generated) and Latitude (generated). Color shows sum of Log\_RenewableElectricityperCapita. Details are shown for Entity (renewable-electricity-per-capita.csv). The view is filtered on Latitude (generated), Longitude (generated) and Year (renewable-electricity-per-capita.csv)1 Year. The Latitude (generated) filter keeps non-Null values only. The Longitude (generated) filter keeps non-Null values only. The Year (renewable-electricity-per-capita.csv)1 Year filter has multiple members selected.

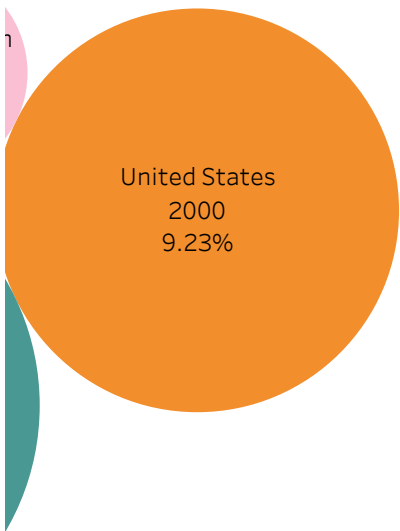
# Renewable Electricity Share in Top Economies - 2000



Entity (share-electricity-renewables.csv)1, Required Years and sum of Renewables - % electricity.  
Color shows details about Entity (share-electricity-renewables.csv)1. Size shows sum of Renewables - % electricity. The marks are labeled by Entity (share-electricity-renewables.csv)1, Required Years and sum of Renewables - % electricity. The view is filtered on Entity (share-electricity-renewables.csv)1 and Required Years Set. The Entity (share-electricity-renewables.csv)1 filter keeps 6 members. The Required Years Set filter keeps 1 member.

# Renewable Electricity Share in Top Economies - 2000

- Country
- China
  - India
  - Japan
  - Russia
  - United Kingdom
  - United States



Entity (share-electricity-renewables.csv)1, Required Years and sum of Renewables - % electricity.  
Color shows details about Entity (share-electricity-renewables.csv)1. Size shows sum of Renewables - % electricity. The marks are labeled by Entity (share-electricity-renewables.csv)1, Required Years and sum of Renewables - % electricity. The view is filtered on Entity (share-electricity-renewables.csv)1 and Required Years Set. The Entity (share-electricity-renewables.csv)1 filter keeps 6 members. The Required Years Set filter keeps 1 member.