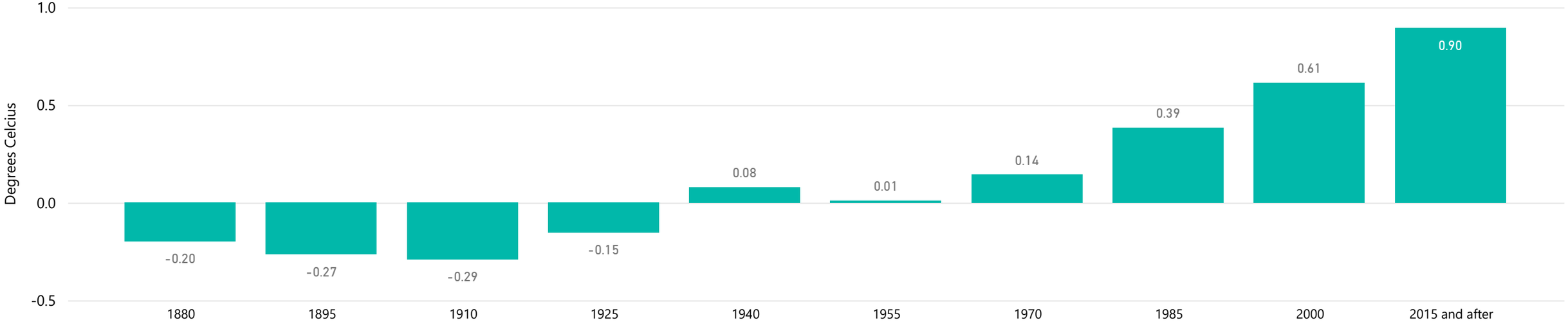
How has the Global Temperature Changed Since 1880?

Greenhouse Gases are increasing the Earths temperature.
Increases in air temperature disrupt natural processes and are occuring too fast for plants and animals to adapt, (EPA, 2021).

https://www.epa.gov/climate-indicators/climate-change-indicators-us-and-global-temperature

How Global Temperature Changes in 15 Year Increments (Celscius)



What were the years did we experience most change?

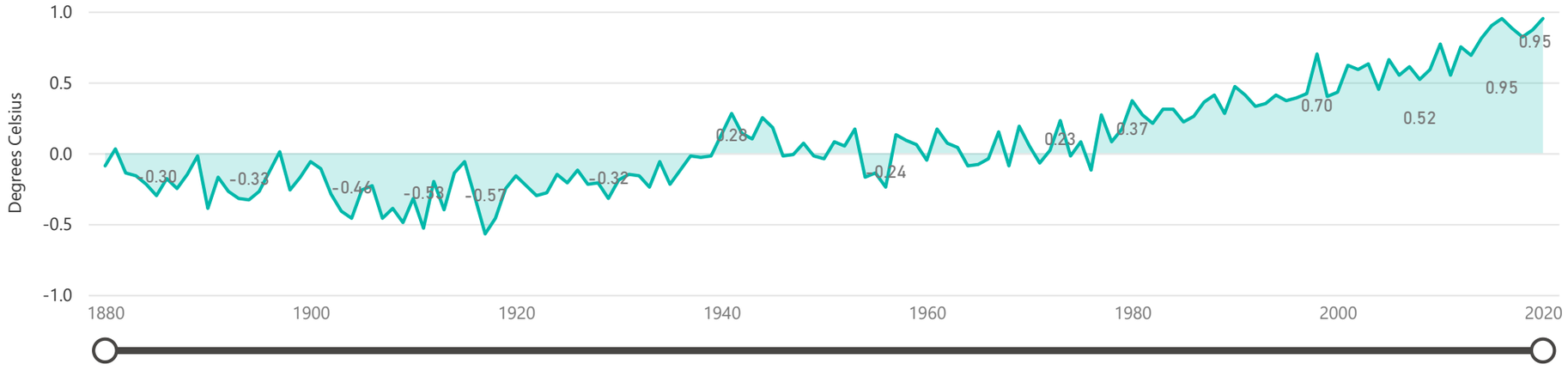
Largest Temperature Increase in a Year (°C)

0.08 2020

Largest Temperature Decrease in a Year (°C)

-0.37 1890

Global Temperature Change Ungrouped (Celscius)

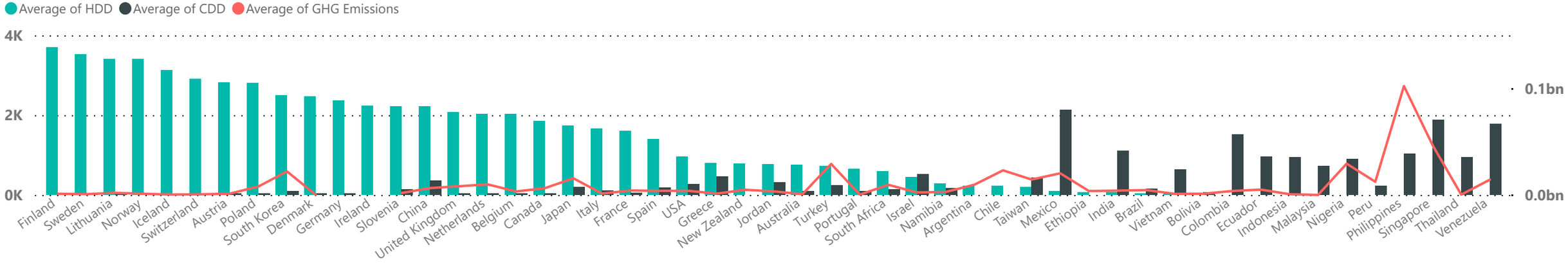


Where are the Greenhouse Gases (GHG) Coming From?

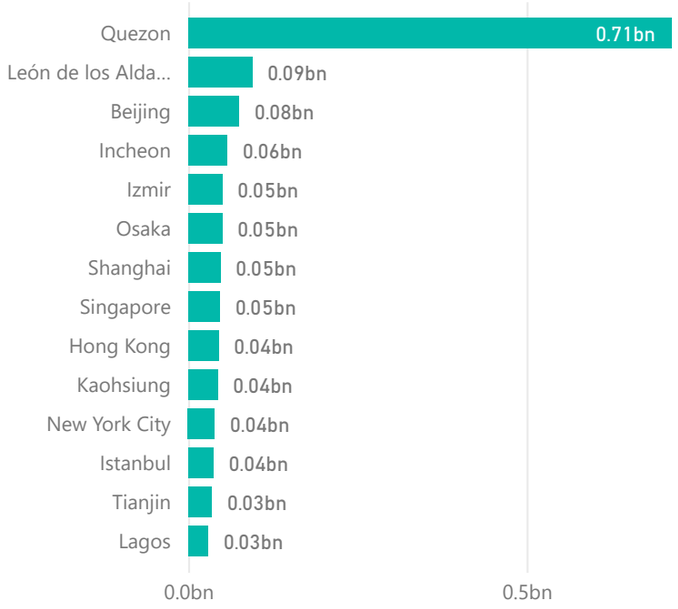
HDD = energy needed to heat a building.
CDD = energy needed to cool a building.

Region: All | Country: All | City name: All

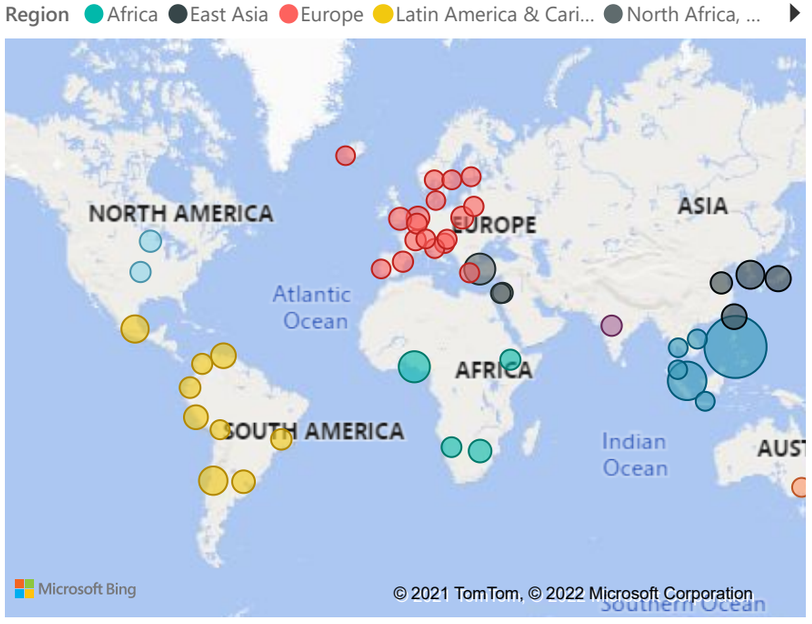
Amount of Heating Degree Days and Cooling Degree Days Vs GHG Production



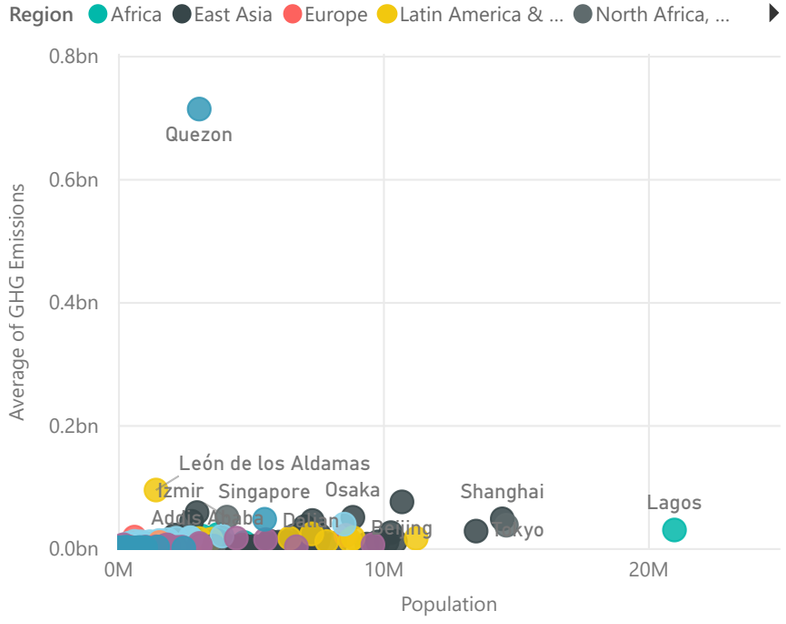
GHG Emissions by City



Location and Size of Point as GHG Amount



Population affect on GHGs



PM 2.5 and PM 10 Production

Region
All

Country
All

City name
All

Average Distribution of PM 2.5 and PM 10 Produced

PM = Particulate Matter.

PM 2.5's & PM 10's are small particulate matter that can damage lungs.

According to WHO (2021), the particulate matter component of air pollution is associated with an increased risk of cancers, especially lung cancer.

Source
https://www.who.int/news-room/fact-sheets/detail/ambient-(outdoor)-air-quality-and-health

Average Annual PMs Produced (ug/m3) by Location