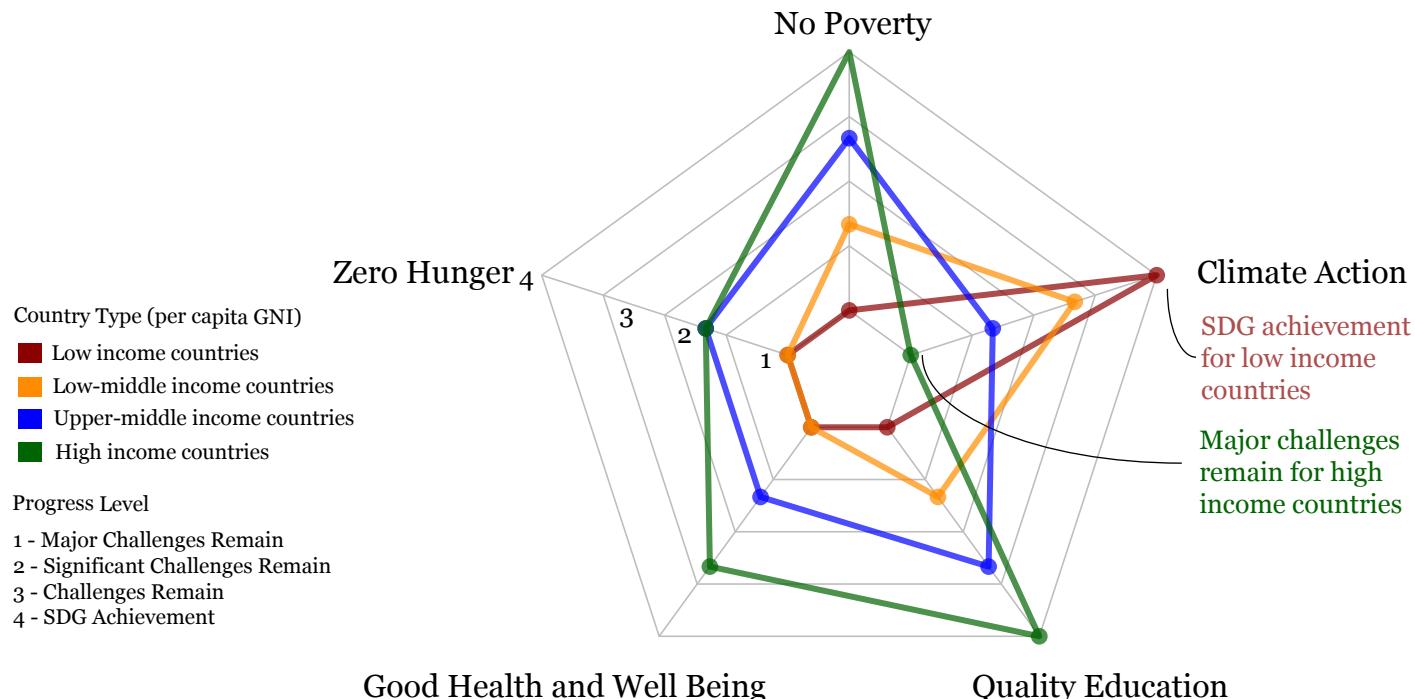


GEORGETOWN UNIVERSITY PUBLIC POLICY 646  
DATA VISUALIZATION  
ASSIGNMENT WORK SNAPSHOT  
Prof. Wesley Joe  
Vasudha Jalan

# 2022 Sustainable Development Goal (SDG) Progress by Income Group (Countries)

**High income countries** lead in poverty, hunger, education and health SDG's but still **fail to meet climate action goals** unlike low income countries

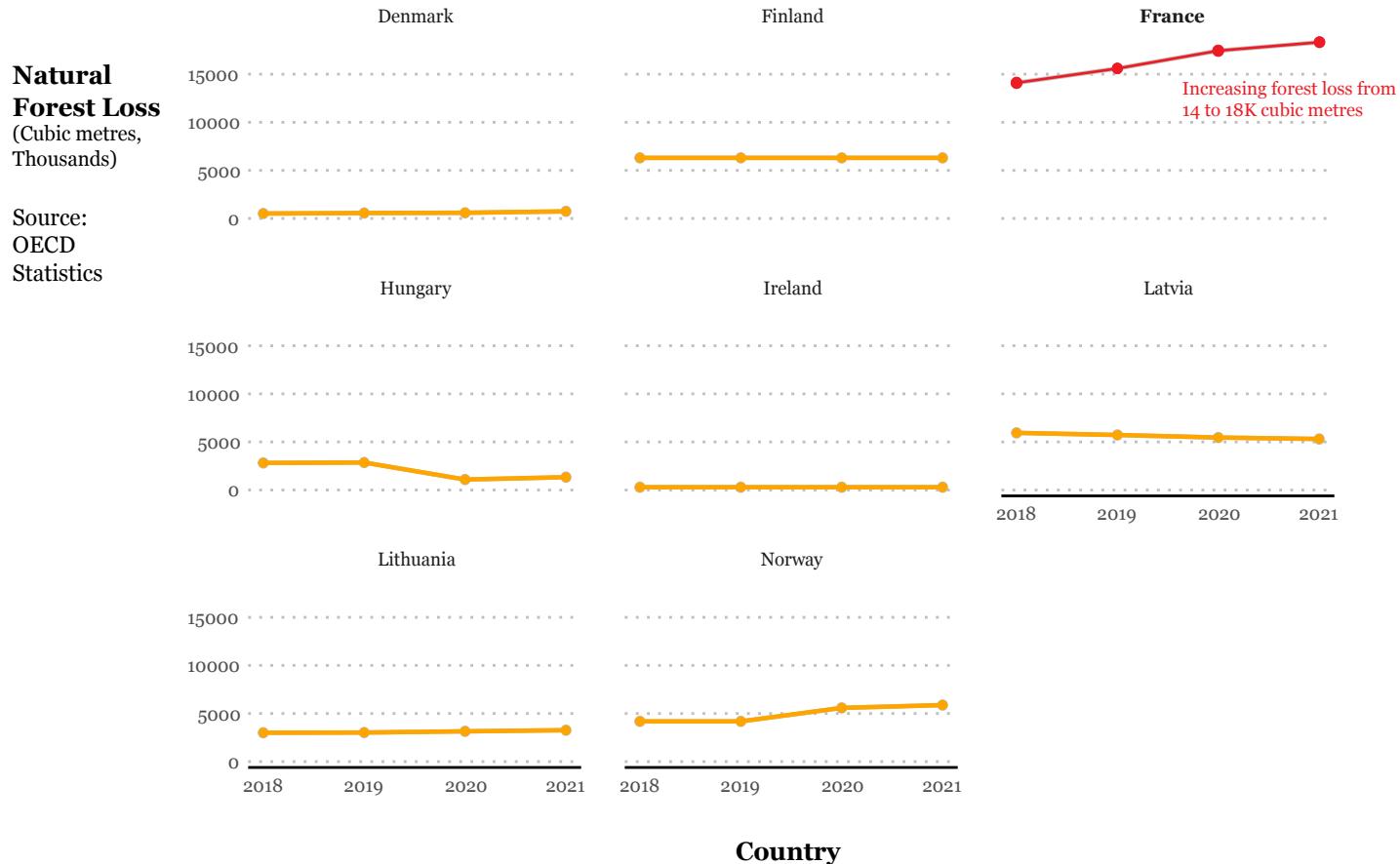


Source: United Nations Sustainable Development Report 2022

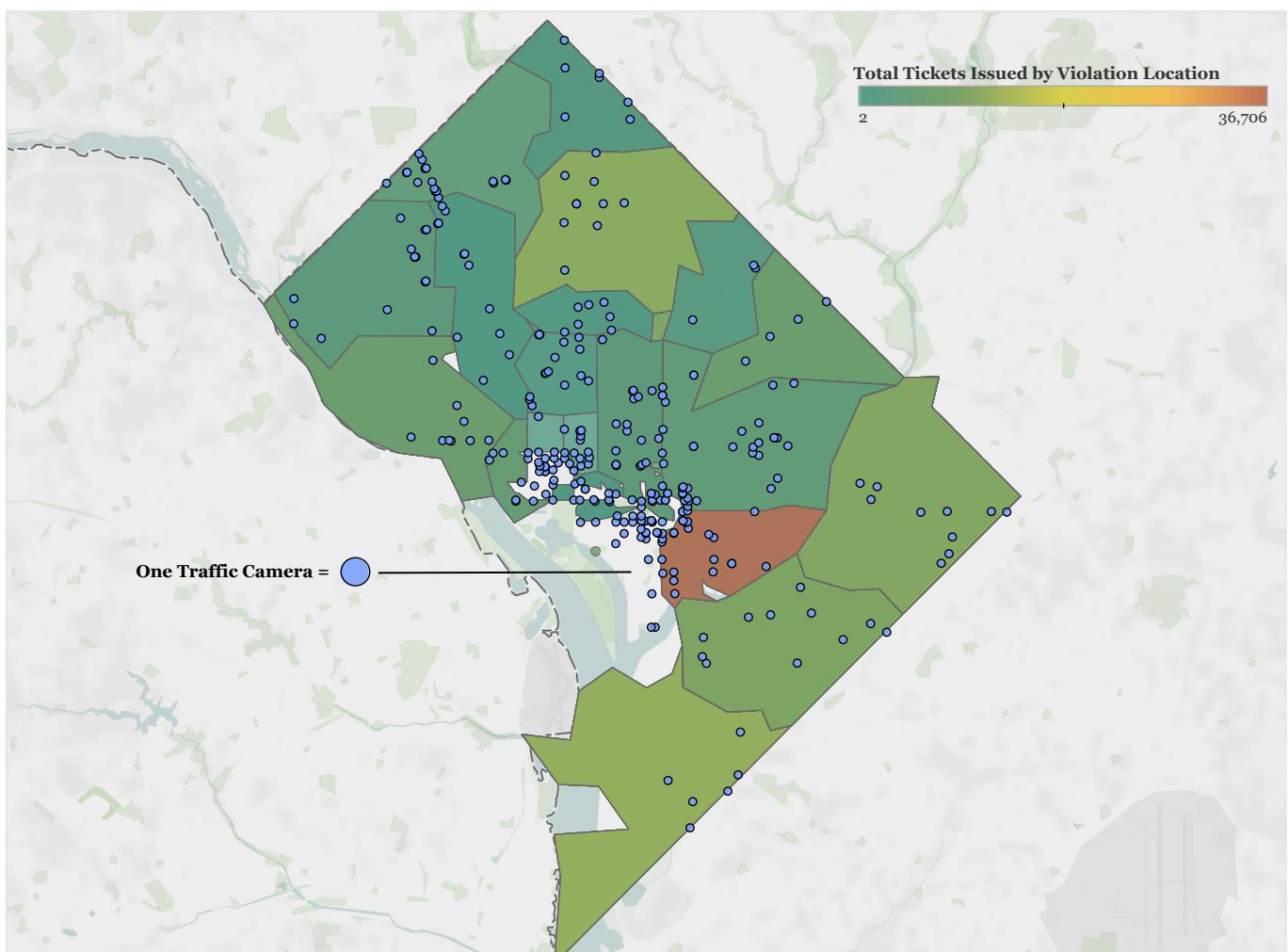
Progress level is according to an assessment by the UN - level assigned to numbers; Countries grouped by per capita GNI in 2022

## Natural Forest Loss (cubic metres, thousands) in European countries from 2018-2021

Many European nations show similar or decreasing forest loss while France's forest loss continues to rise rapidly



**DC Traffic Camera Locations VS Traffic Violation Locations in 2021**  
Zipcodes with the most traffic violation overlap with areas with more traffic cameras



# States with Large African American Populations have Low Life Expectancy and High Energy Burden

Life Expectancy (Years)

80

78

76

40

60

80

Energy Burden (Percentile)

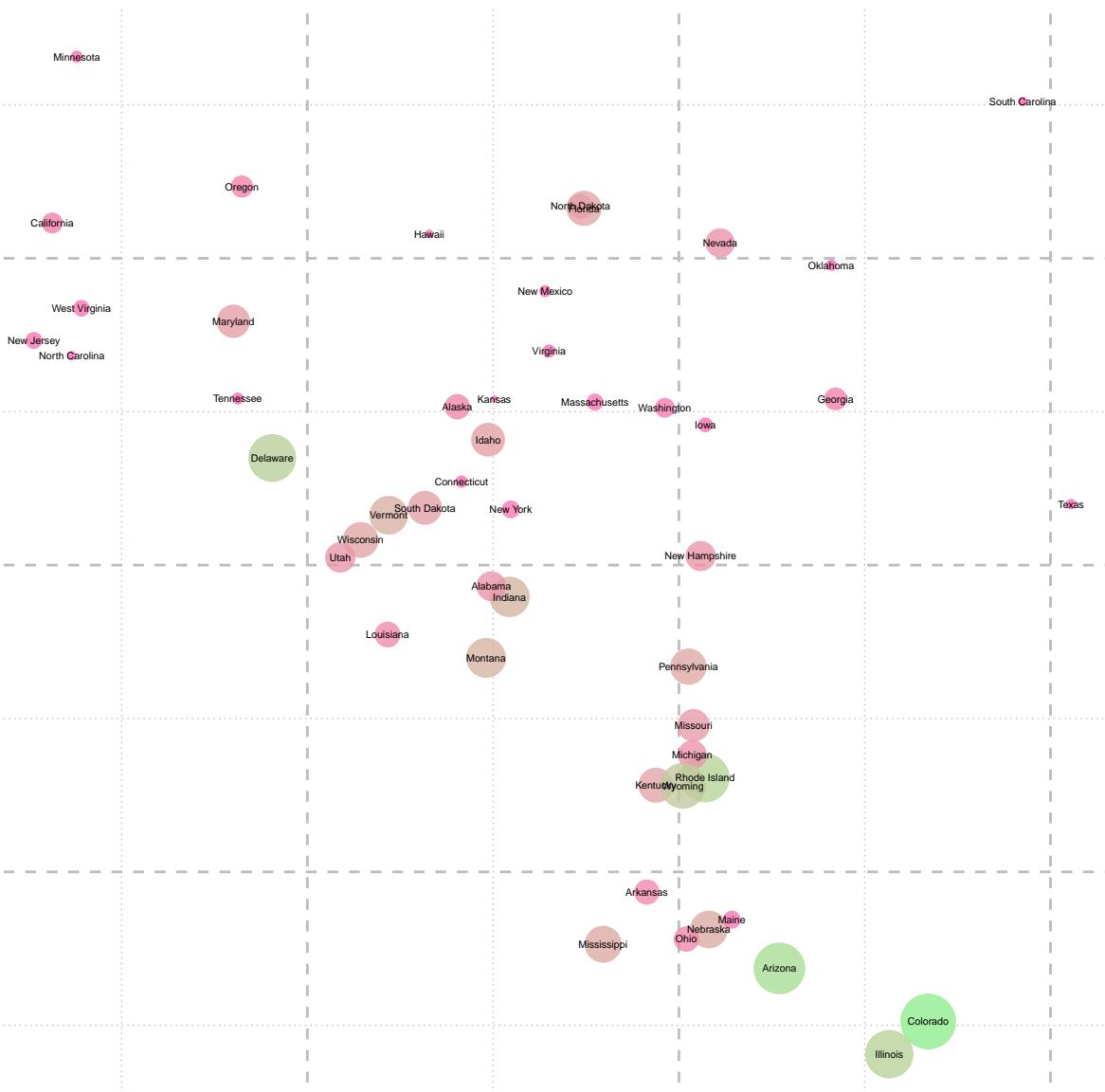
Percentage of Population that identifies  
as African American in each State

0 - 10%

10 - 20%

20 - 30%

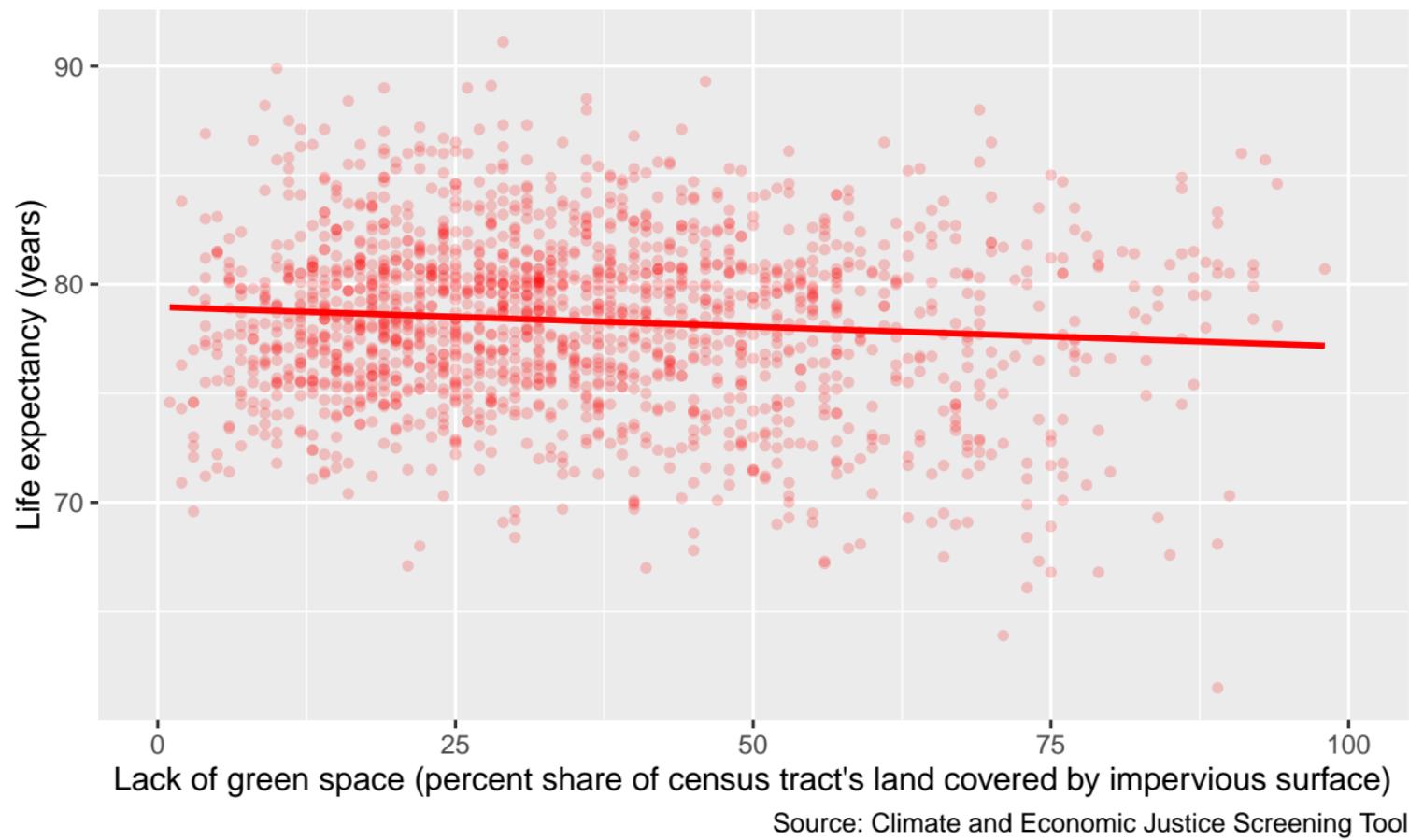
30 - 40% +



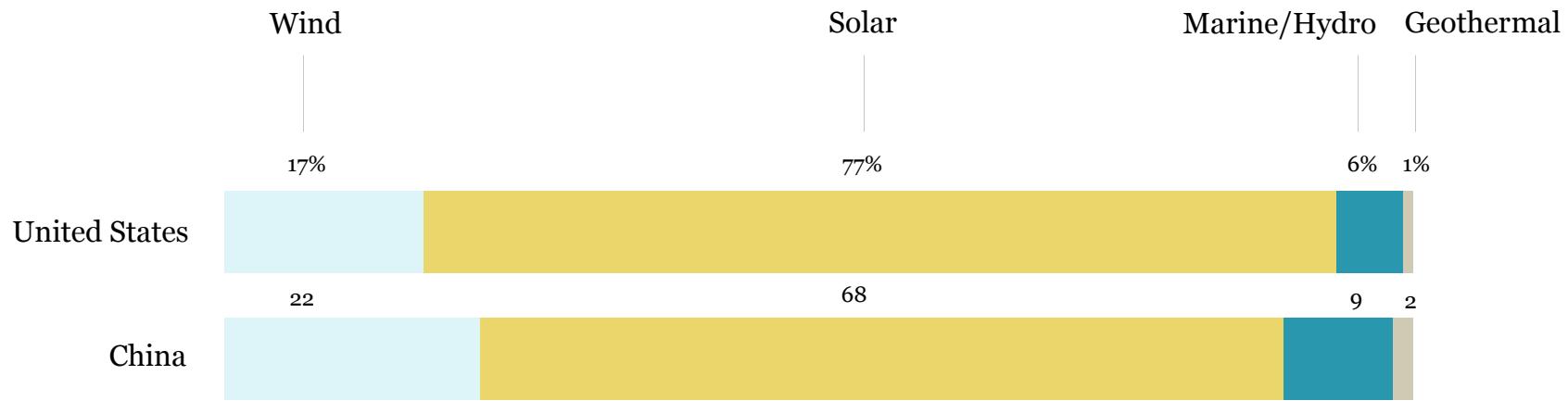
Source: Council on Environmental Quality (CEQ) | Climate and Economic Justice Screening Tool

# Lack of green space versus life expectancy in Virginia

In 2019 less green space is associated with a lower life expectancy



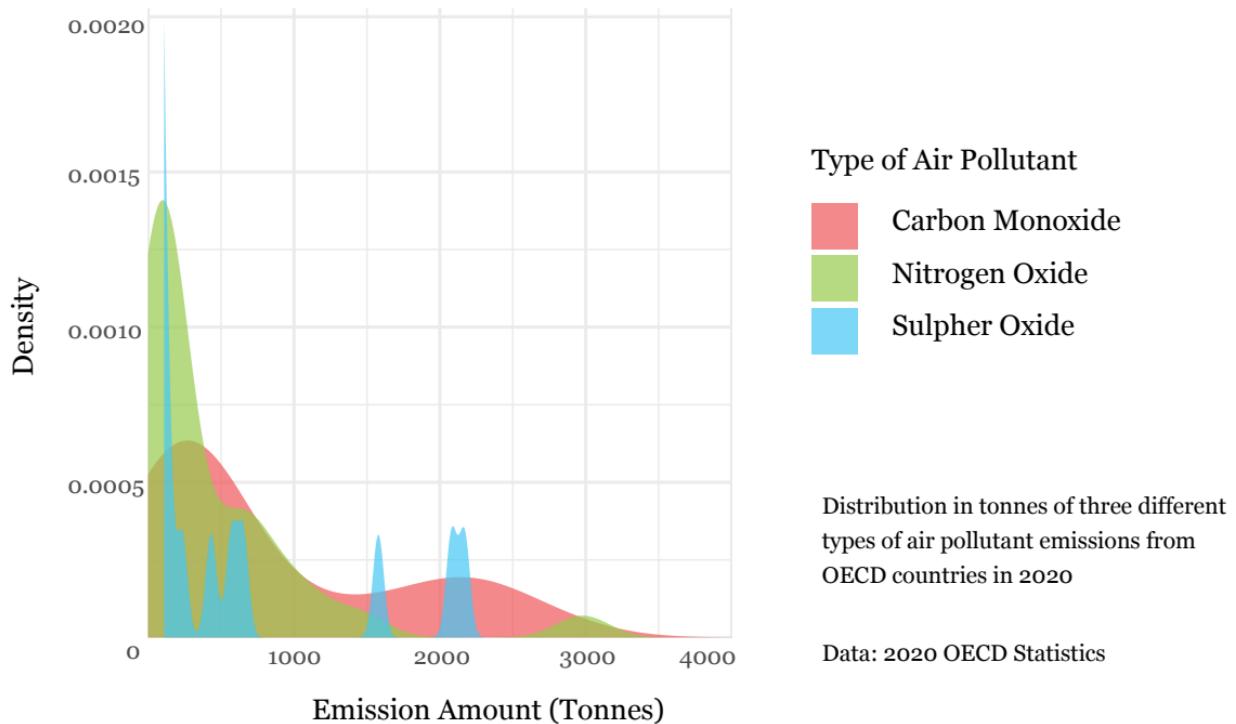
## China and America focus on solar energy patent production



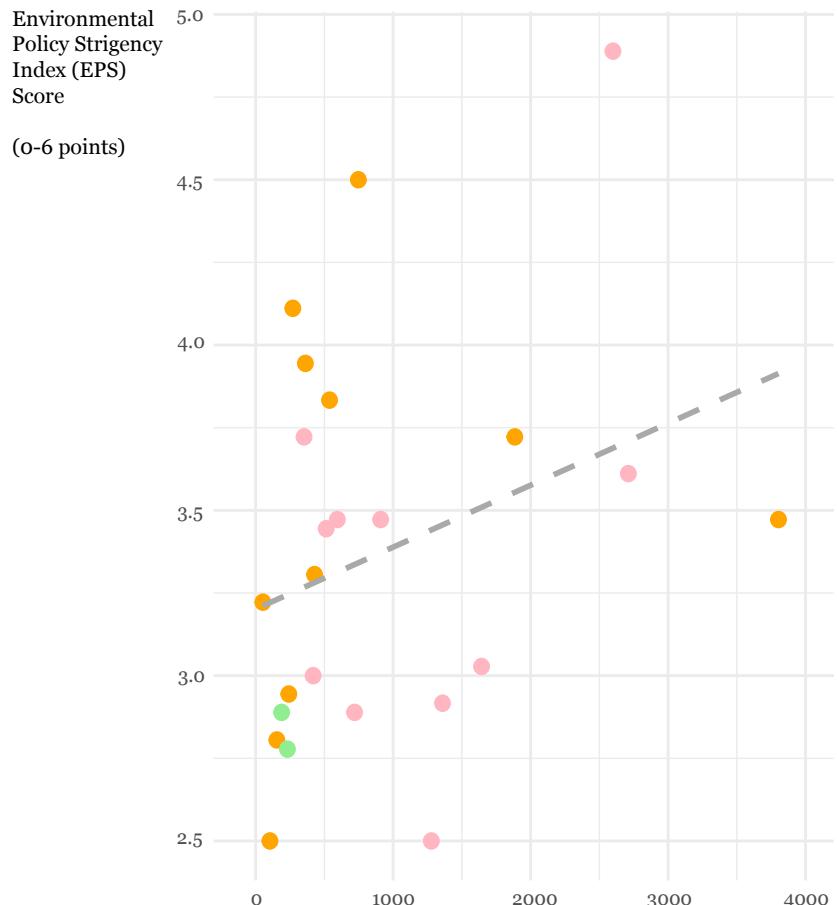
Percentage of different types of renewable energy patents (wind,solar,geothermal, marine/hydro) produced by China and the United States in 2019

Data: 2019 OECD Statistics

## Average carbon monoxide emissions higher than other air pollutants in OECD countries



High GDP OECD members with low female innovation  
are likely to put a high price on environmentally harmful behavior



Share of Women Inventors  
in the country (% of total population)

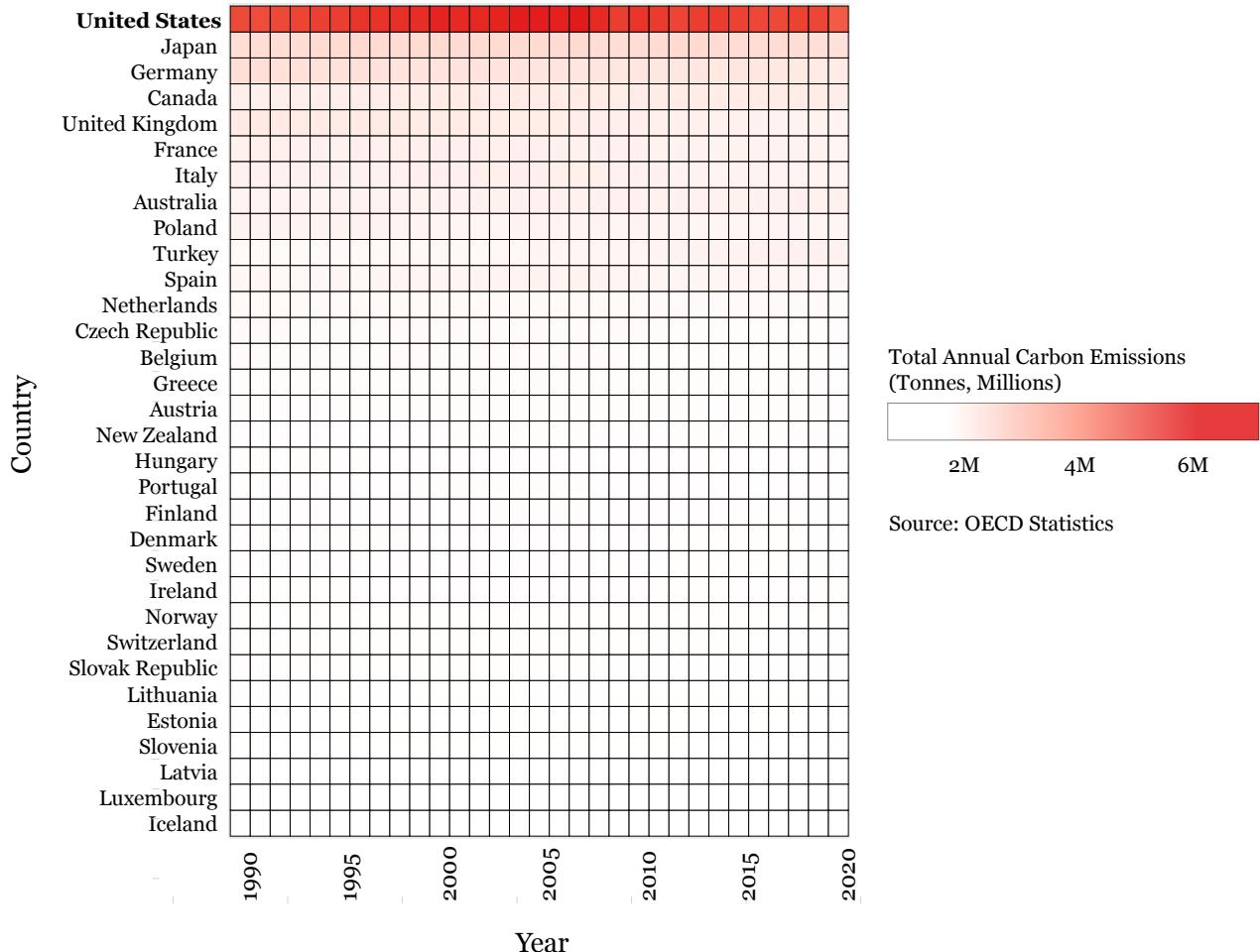
- Low (<10%)
- Medium (10-20%)
- High (>20%)

The EPS defines stringency as the degree to which environmental policies put a price on polluting or environmentally harmful behaviour. It is based on 13 environmental policy instruments, primarily related to climate and air pollution.

Gross Domestic Product of OECD members (GDP in Millions of USD)

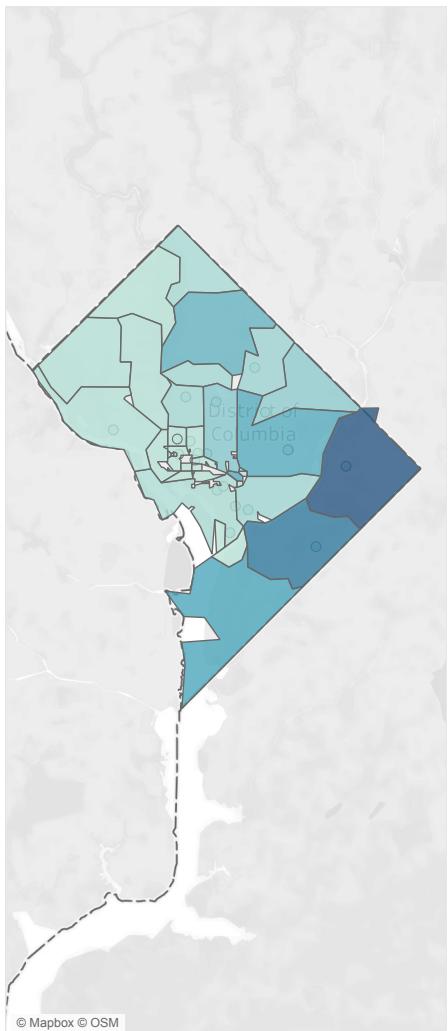
Source: OECD Statistics

The United States has had the **highest** total annual carbon emissions among the OECD for 30 years

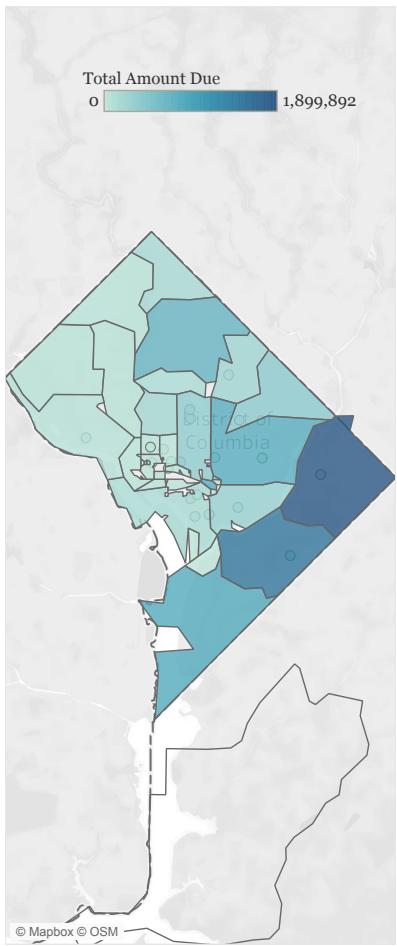


Source: OECD Statistics

**FY 2020**



**FY 2021**



**FY 2022**

