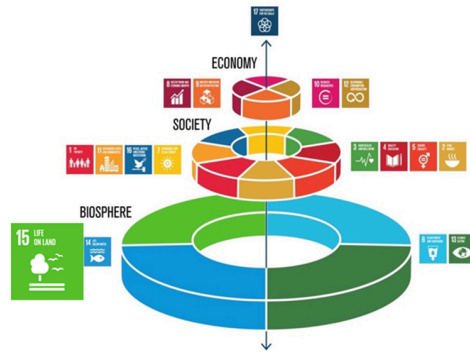


# What is the Correlation Between Urbanization and Climate Change?

- **Background:** from sustainability presentation



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- We prioritize our economy (bottom line and cash flow) and tend to leave the environment for the backburner (conservation of resources and ecosystems)
- **Our hypotheses**
  - The more urbanized a country is, the greater effect it has on climate change
  - Does the urban vs rural population of a country play a role?
  - Does access to and use of technology affect climate change?
- **Two datasets**
  - **Global Urbanization:**  
<https://www.kaggle.com/datasets/bushraqurban/global-urbanization-and-climate-metrics>
  - **Climate Warming Trends:**  
<https://www.kaggle.com/datasets/jawadawan/global-warming-trends-1961-2022/d/ata>
- **Notes on Data Cleaning**
  - **Can't visualize all 182 countries:** overwhelming to analyze in given time
  - **Instead:** one country from each continent (except Antarctica because it has no countries or measurable urbanization)
    - *North America:* United States of America
    - *South America:* Brazil
    - *Europe:* Germany
    - *Asia:* India
    - *Africa:* Nigeria
    - *Australia:* counting it as a country-continent
  - **Filtering both datasets by year**
    - Lots of missing data before 2000s

- ***Hence:*** we will focus on 2000s to 2022
  - Full data
  - Relevancy
- ***Temperature Units:*** degrees Celsius
- Global Urbanization Dataset
- Climate Warming Trends Dataset
- Comparing Data From Both Datasets

