

CLIMATE CHANGE

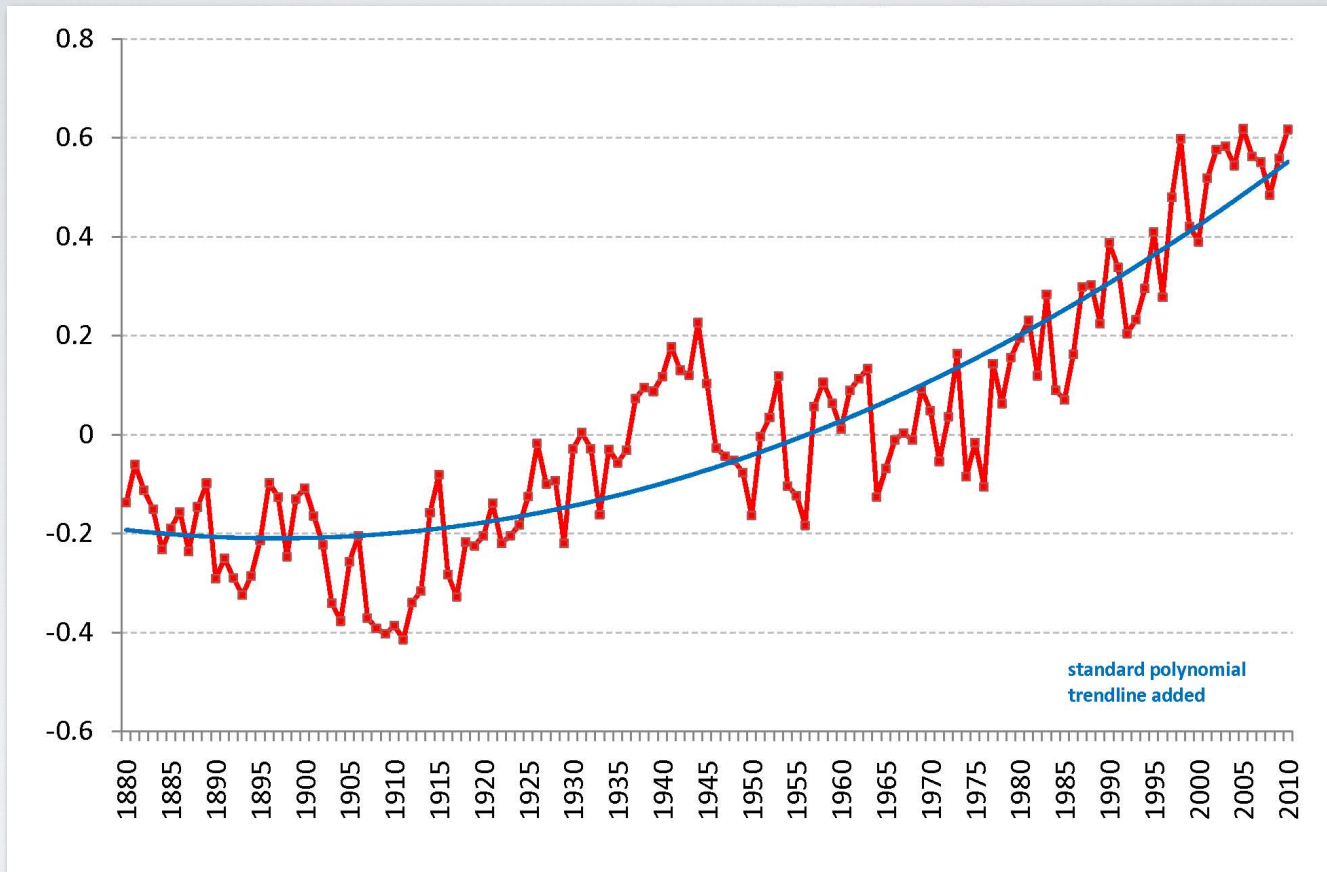


SHANGHAI, CHINA

GLOBAL WARMING

- Global Warming - a gradual increase in the overall temperature of the earth's atmosphere attributed to the greenhouse effect



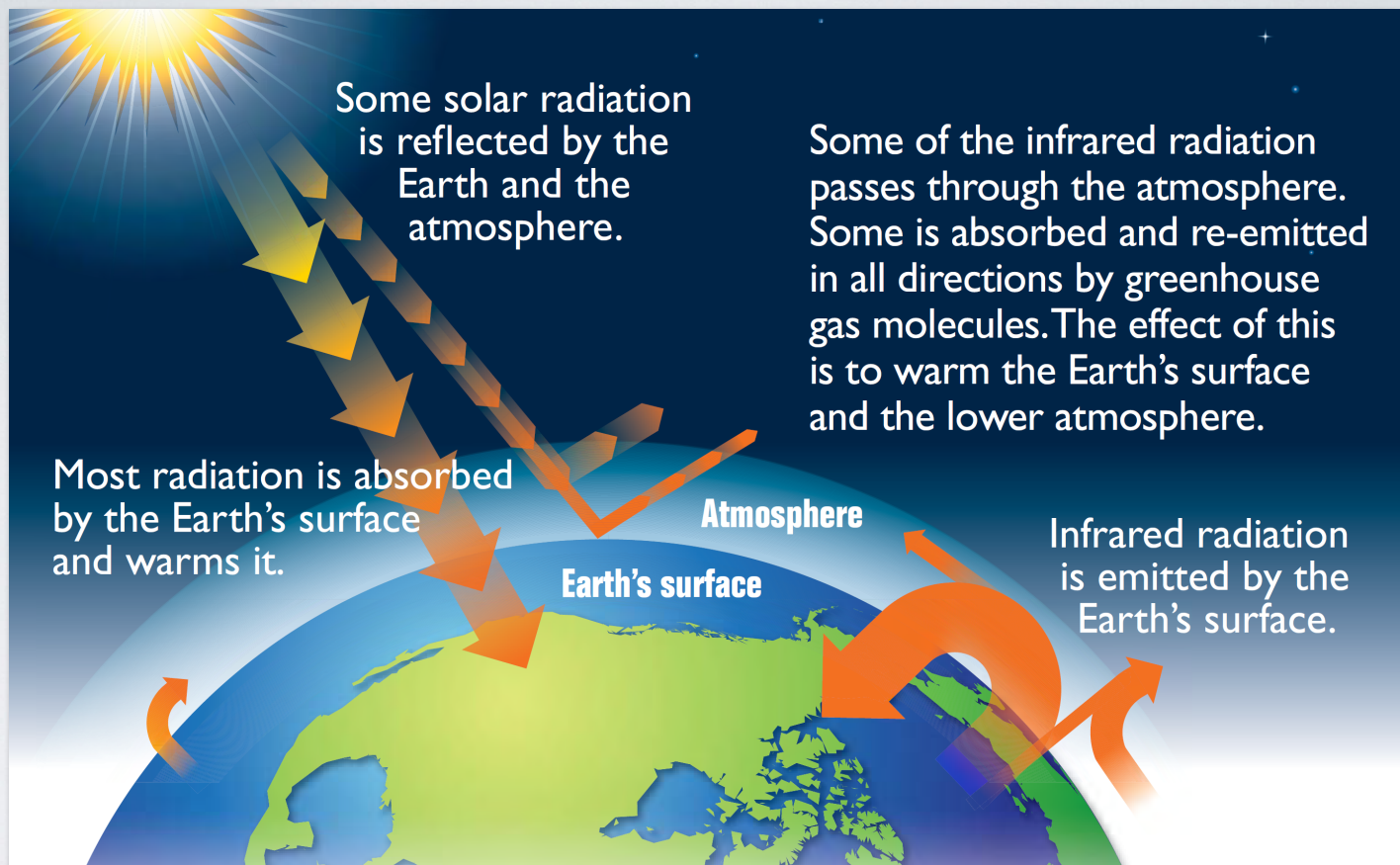


Global Temperature Change

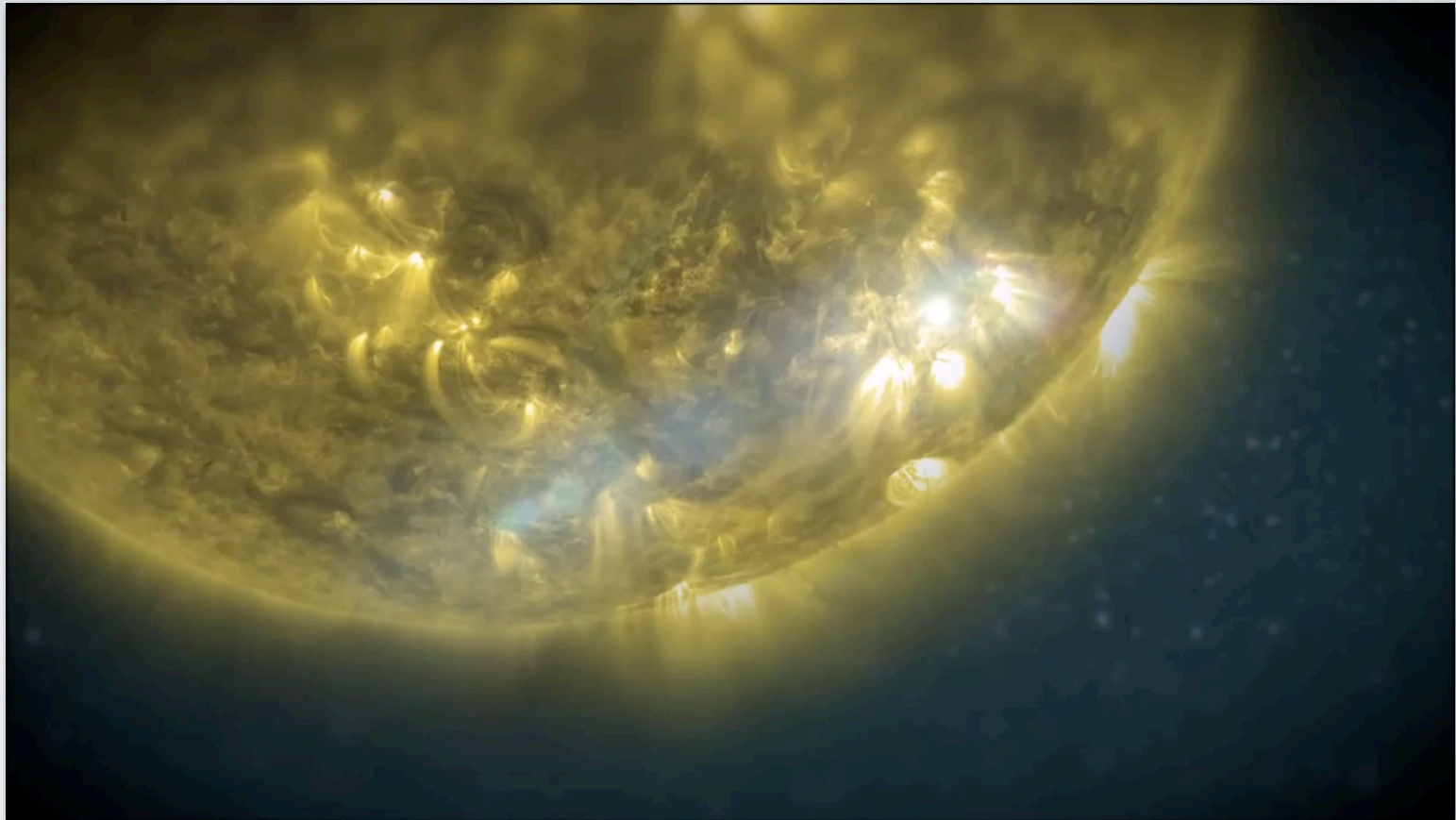
GLOBAL WARMING

- Greenhouse Effect - increased levels of carbon dioxide, chlorofluorocarbons, and other pollutants in lower atmosphere that traps in heat energy

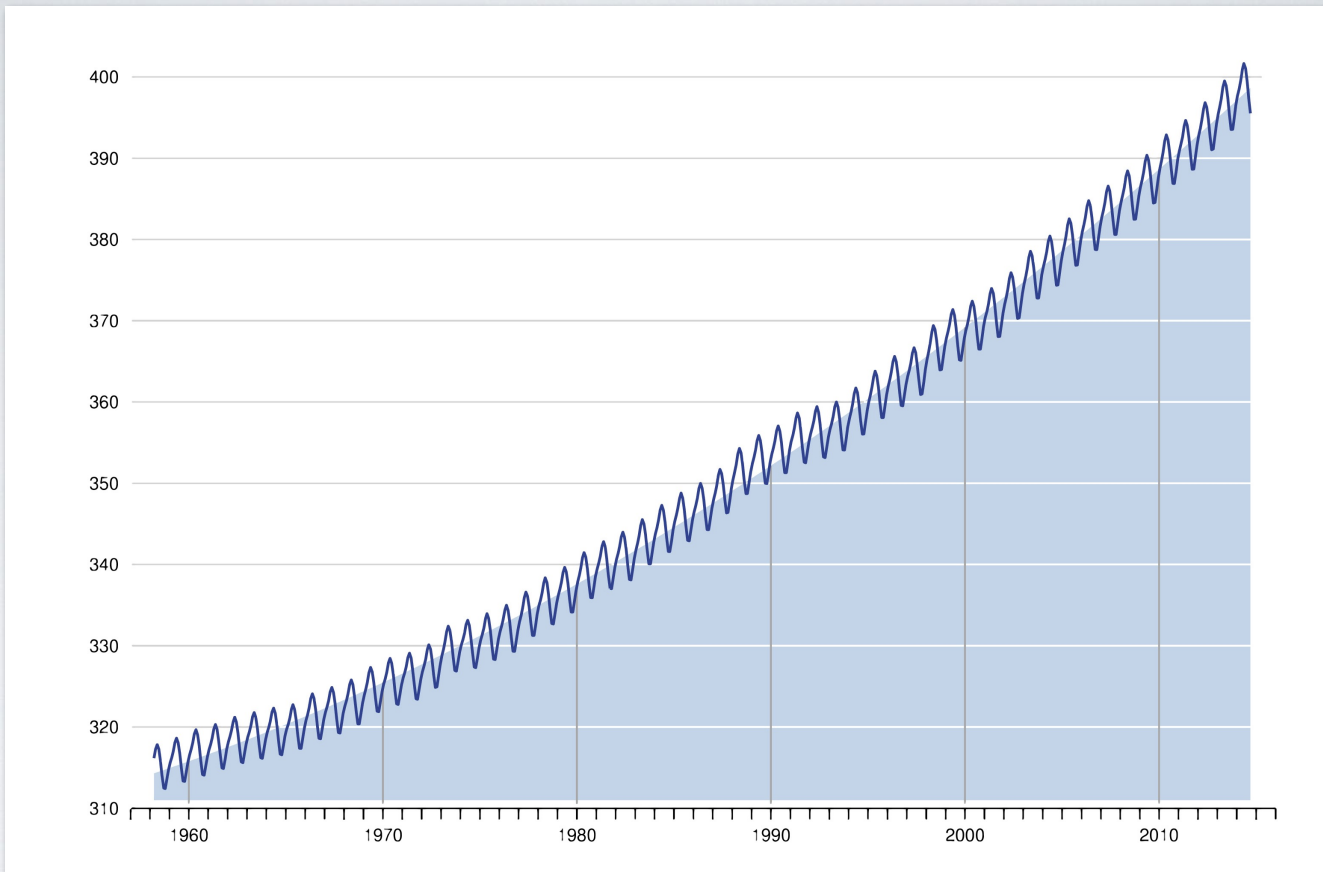




The Greenhouse Effect



The Greenhouse Effect



Carbon Dioxide Concentrations (ppm)

GLOBAL WARMING

- Contributing Factors:
 1. Fossil fuel burning power plants
 2. Burning of gasoline for transportation



GLOBAL WARMING

- Contributing Factors: (continued)
 3. Deforestation of the rainforests



GLOBAL WARMING

- Contributing Factors: (continued)
 4. Methane emissions from animals and agriculture



GLOBAL WARMING

- Potential Effects:
 1. Worldwide sea level rise from melting ice
 2. More frequent and intense storms



GLOBAL WARMING

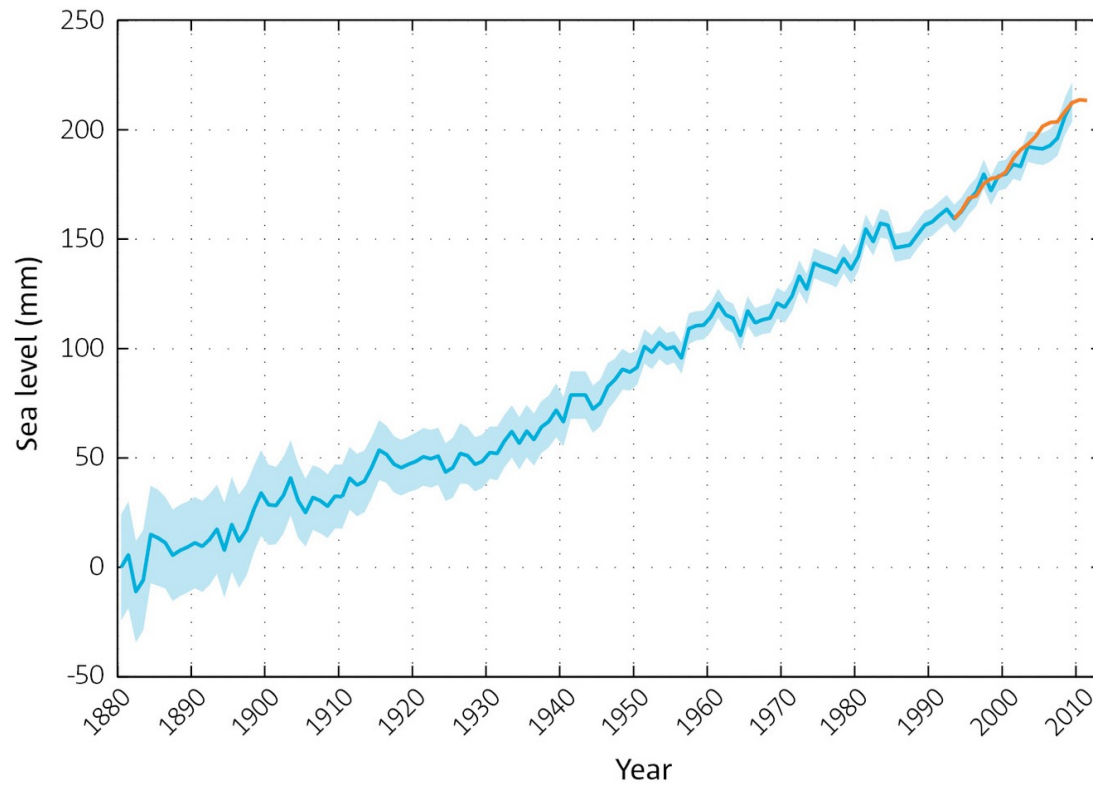
- Potential Effects: (continued)
 3. Massive crop failures
 4. Widespread extinctions
 5. Loss of coral reefs



GLOBAL WARMING

- 90% of the US population lives within 100 miles of the ocean and if sea level were to rise these areas would be inundated with water

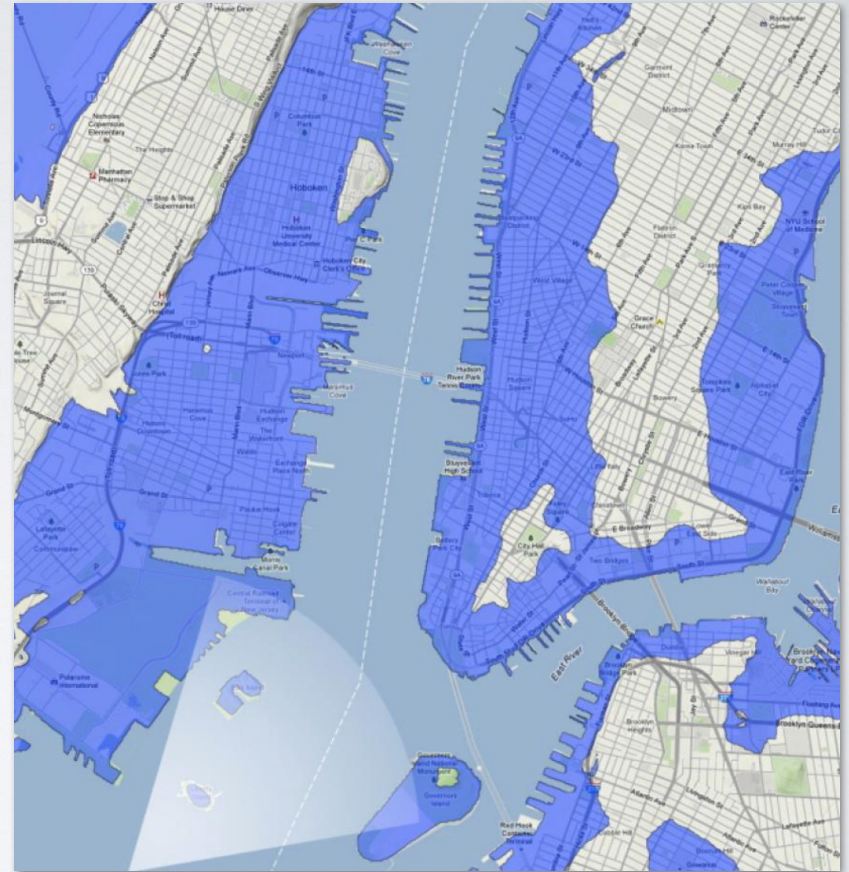
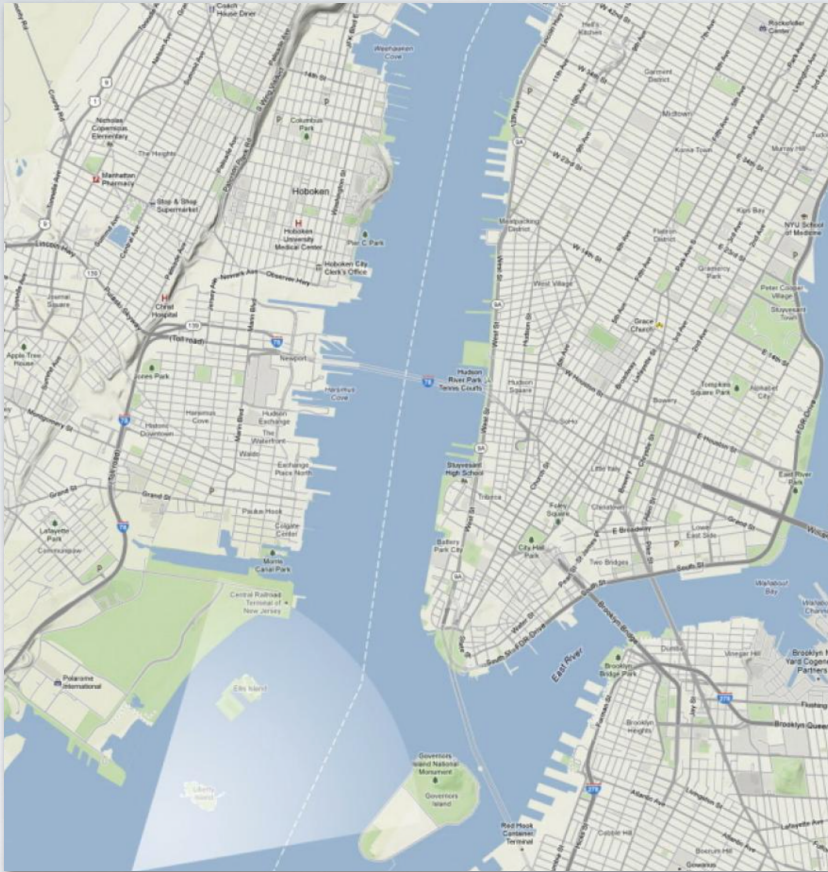




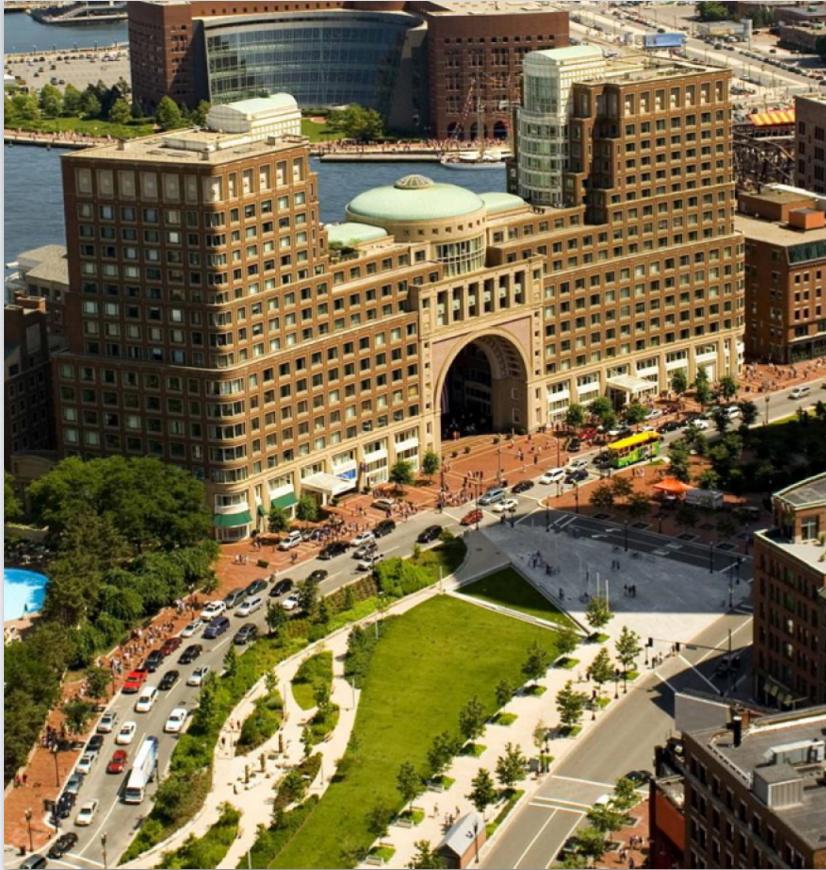
Global Sea Level Rise (mm)



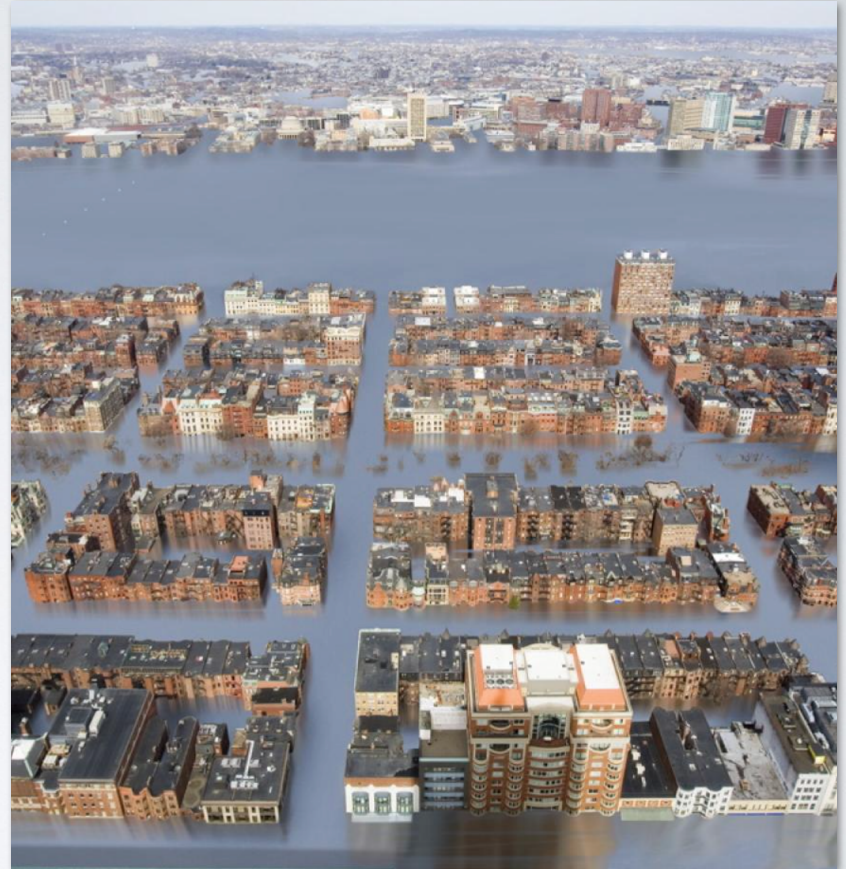
New York Sea Level Rise - 25 feet



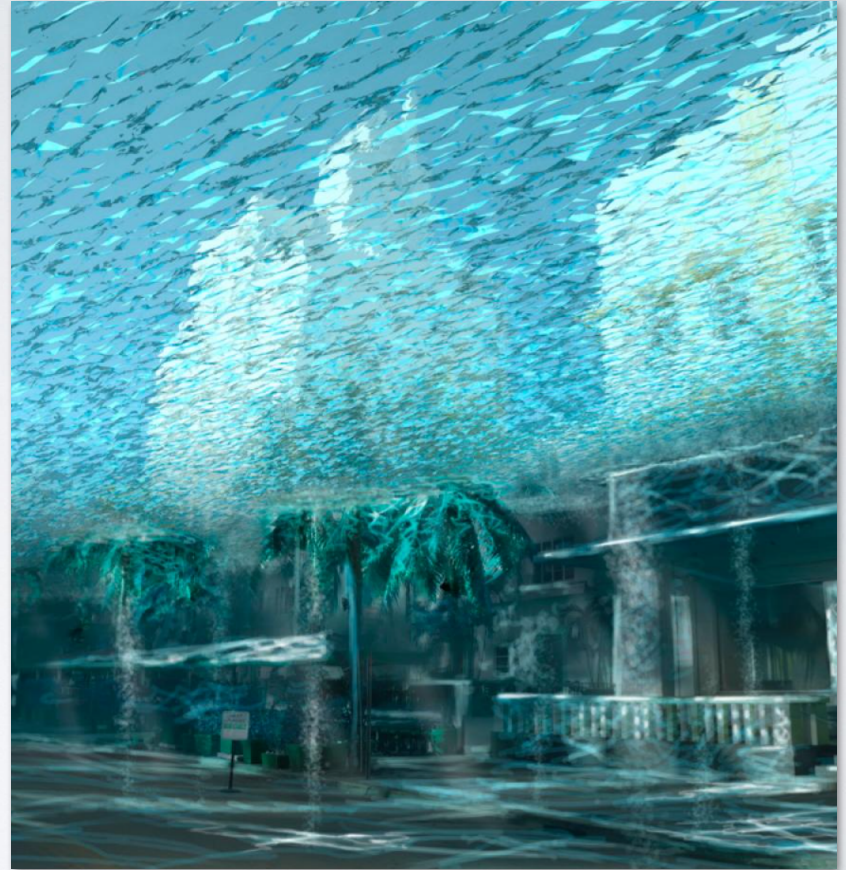
New York Sea Level Rise - 25 feet



Boston Sea Level Rise - 25 feet



Boston Sea Level Rise - 25 feet



Miami Sea Level Rise - 25 feet