



CLIMATE CHANGES EFFECT ON WEATHER

Heat Waves

- The number of heat waves globally has been increasing yearly
- The number of intense heat waves tripled in 2018 and 2019
- The 2019 Europe heat wave killed 869 people

Drought

- Higher temperatures lead to increased rates of evaporation, including more loss of moisture through plant leaves.
- Even in areas where precipitation is high drought will happen
- The 2011 Texas drought was caused by over 100 days of temperatures above 100°F

Hurricanes

- Higher sea surface temperatures lead to more precipitation and intenser storms
- The number of intense hurricanes yearly has been increasing since 1980
- The 2017 hurricane season cost over \$295 billion

Flooding

- Floods are going to intensify and last longer
- Rising sea levels will increase the size of storm surges and therefore flooding
- As cities become larger flooding will become worse as water has nowhere to run off