Consequences

Lots of waves

→Monuments can get destroyed

→Houses are damaged

In the long term the city will be below the sea level

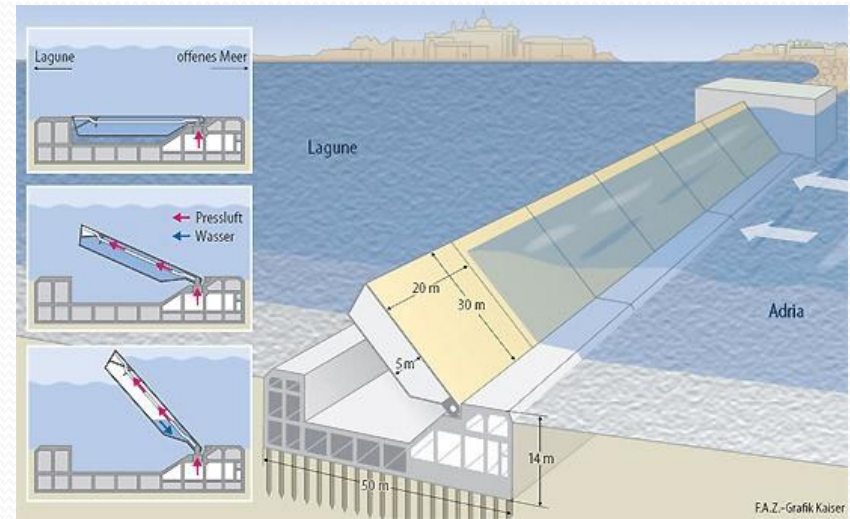→people have to leave (lose their homes)

Sewer system gets muddy

→smells bad

Measures

- Floodgate called "MOSE"

- Seperates the city from the sea

- Failed because it started to rust

Sydney

Sydney

➤ 2019 hottest year since the first weather records

  ➤ average temperature over 86°F (30°C)

  ➤ every day round about 113°F (45°C)

Consequences of the hot temperature

➢ fish swim in hot water ➔ less O_2 ➔ they are dying

➢ bat colonies fall out of trees ➔ they die

➢ animals are attacking people because of the hot temperatures

➢ wetlands fall dry ➔ farmers can't grow plants

➢ more larger bushfires than in the years before
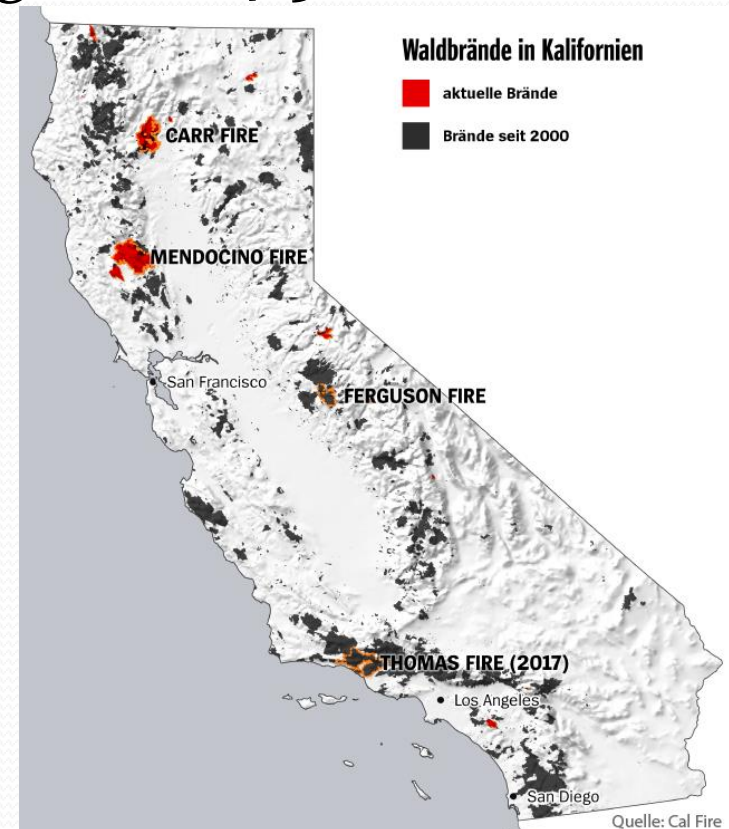 ➔ animals are dying and their habitats are destroyed

New York

New York

➢ Sea level rises

⇨ in around 200 years parts of Brooklyn, Queens, Staten Island and maybe also Manhattan will be under water

➢ Extreme weather conditions

⇨ July 2019 top temperature ca. **110**°F (43 °C)

⇨ Extreme difference between winter and summer

➢ Affects buildings/ structures

➢ higher energy demand

➢ Less drinking water

Los Angeles

Forest fires

- extreme temperature and not enough rain(27,5 days of rain per year)
$\Rightarrow$ dry ground
$\Rightarrow$ growing number of forest fires

Waldbrände in Kalifornien
- aktuelle Brände
- Brände seit 2000

CARR FIRE
MENDOCINO FIRE
San Francisco
FERGUSON FIRE
THOMAS FIRE (2017)
Los Angeles
San Diego

Quelle: Cal Fire

Measures

- The heat, which is in the concrete of the streets, increases the temperature by around 2°C

⇒ most of the streets have to be painted with white colour

⇒ one source of heat is gone