

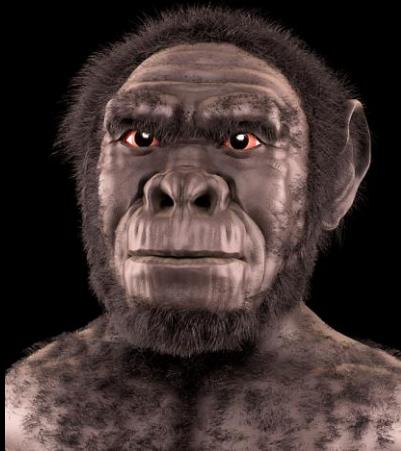


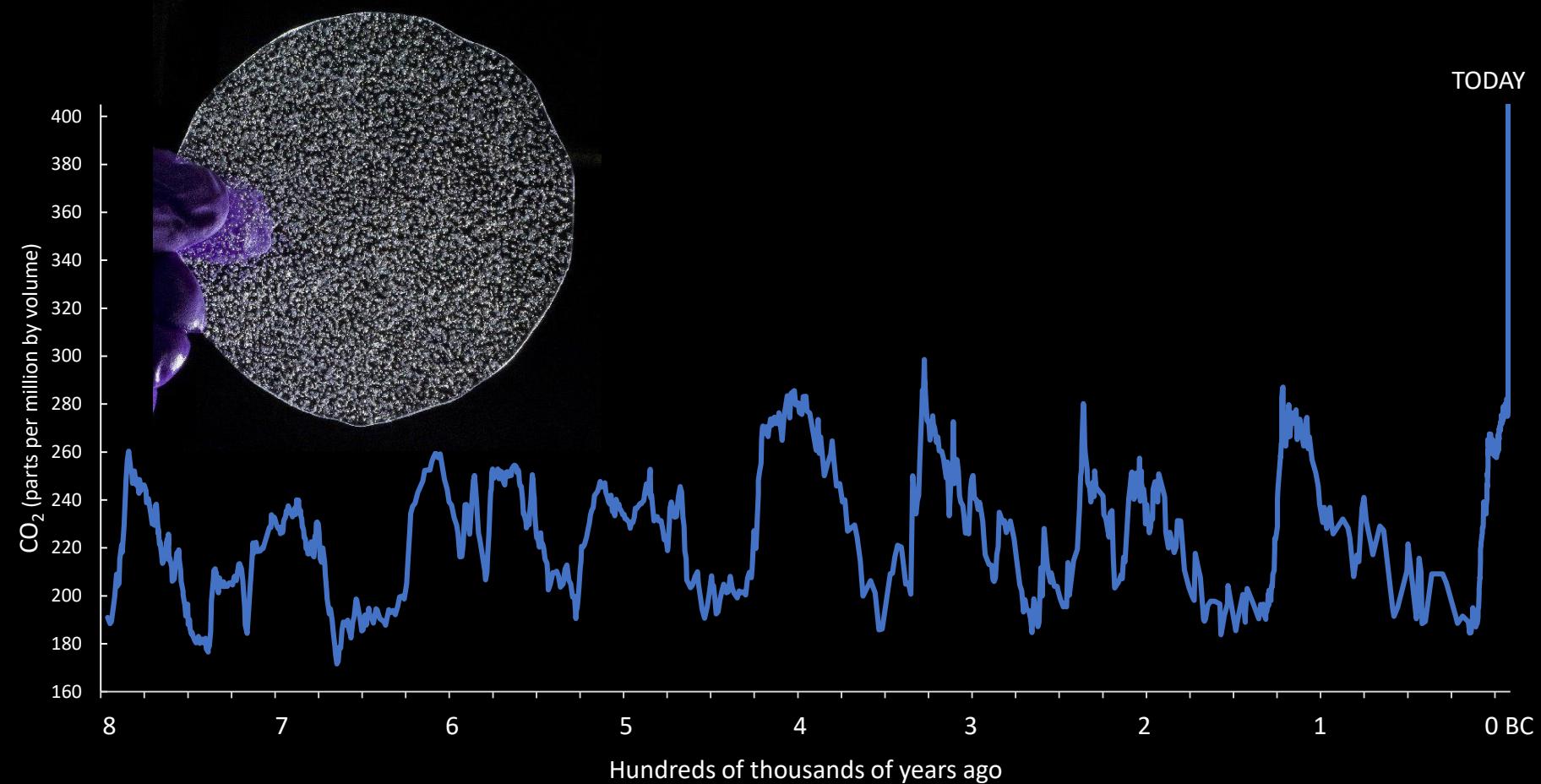
The Cold Facts on Climate Change

@emilyshuckburgh

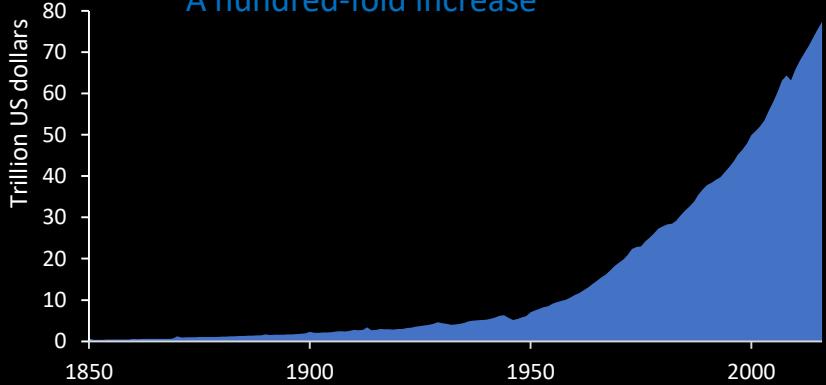
Olduvai stone chopping tool

1.8 million years old

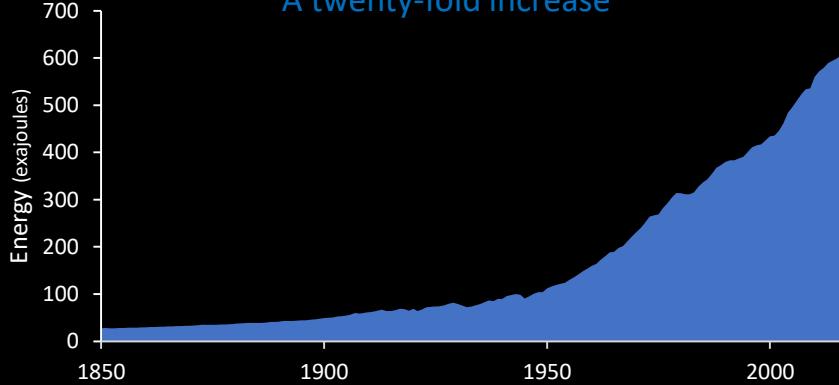




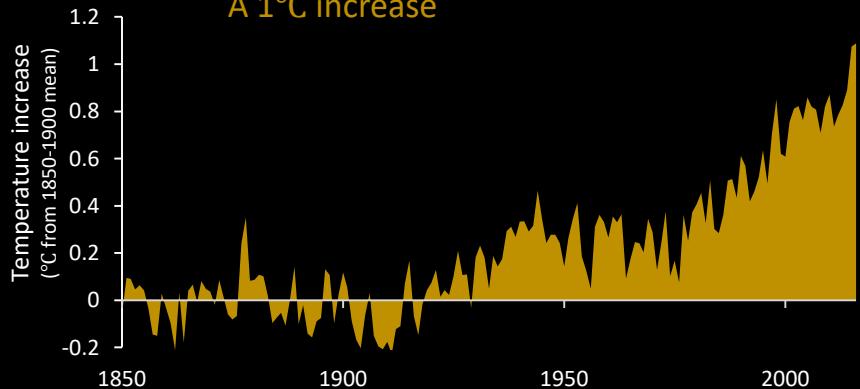
Global GDP
A hundred-fold increase



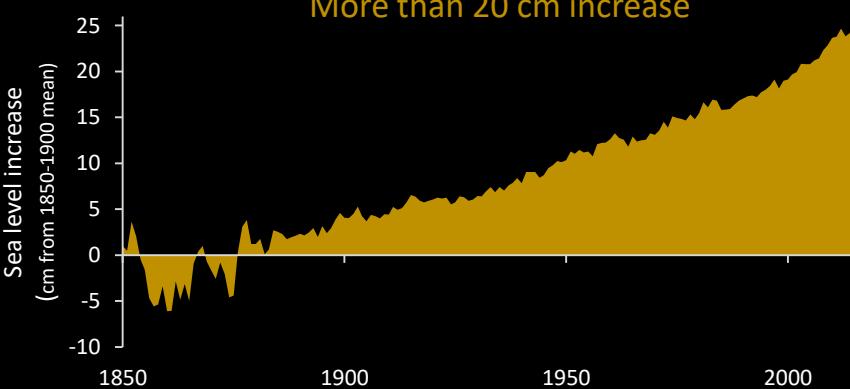
Global energy use
A twenty-fold increase



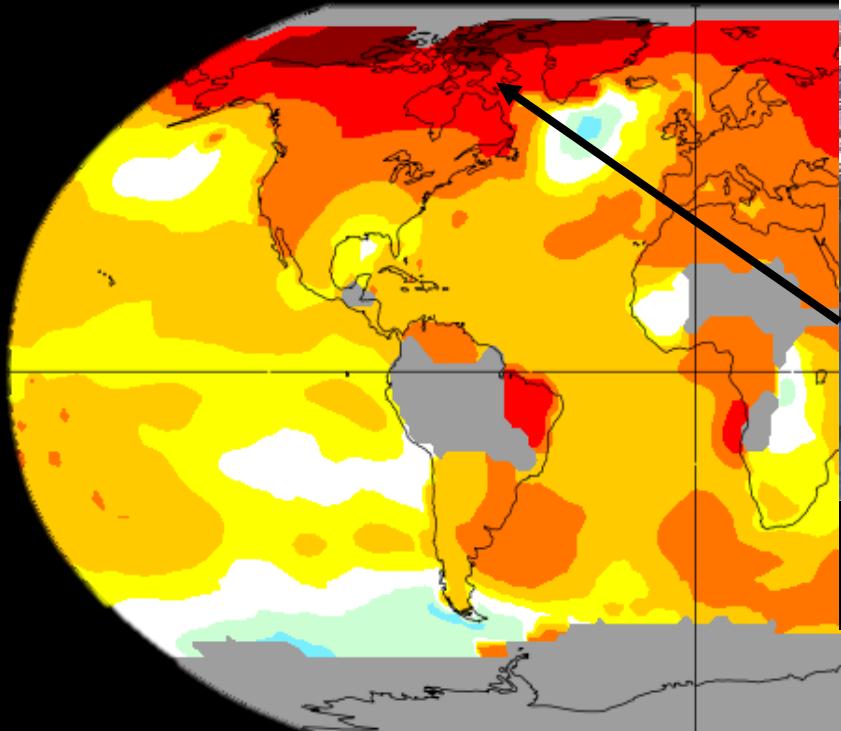
Global surface temperature
A 1°C increase



Global sea level
More than 20 cm increase



Temperature 2007-2017 vs



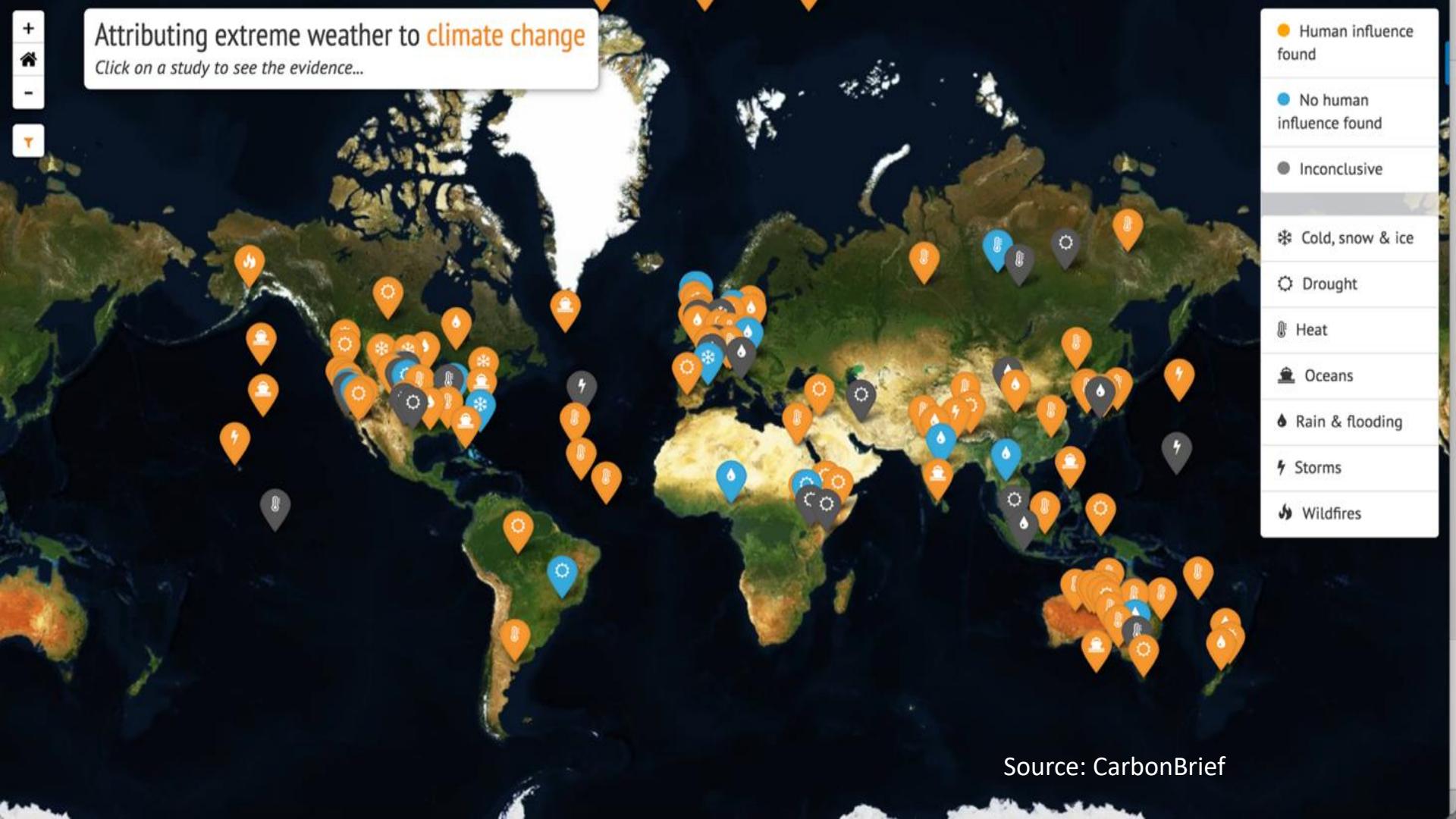
insufficient data



"It is as if a friend that we could trust is suddenly acting strangely"

Attributing extreme weather to climate change

Click on a study to see the evidence...



Source: CarbonBrief

Attributing extreme weather to climate change

Click on a study to see the evidence...

Thirumalai et al, 2017

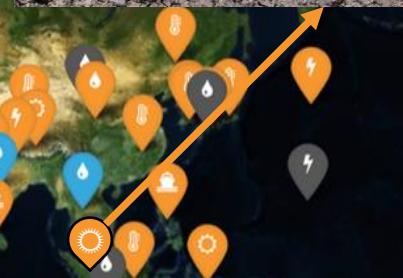
Human influence found



Schaller et al, 2016



Van Oldenborgh et al, 2017

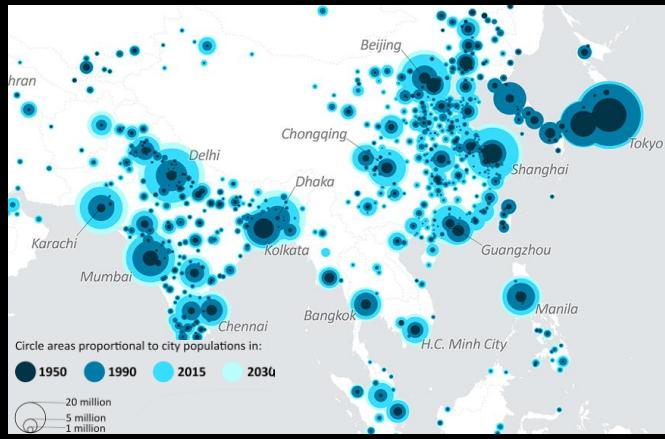
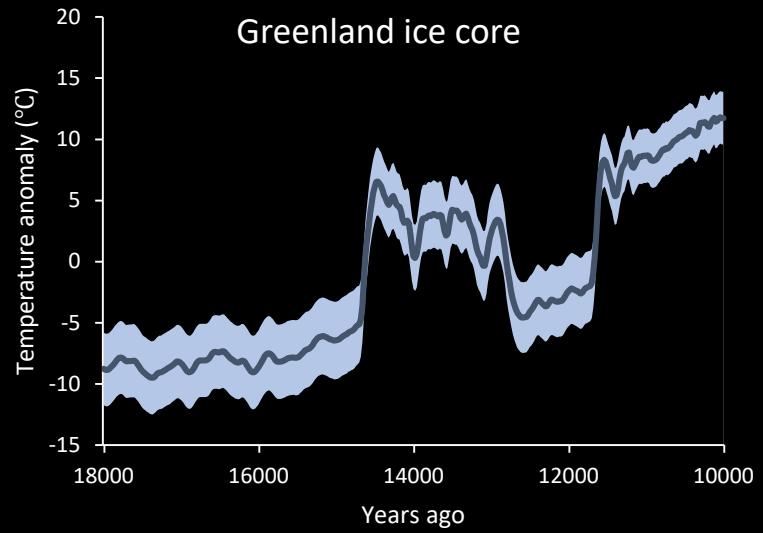


Funk et al, 2017

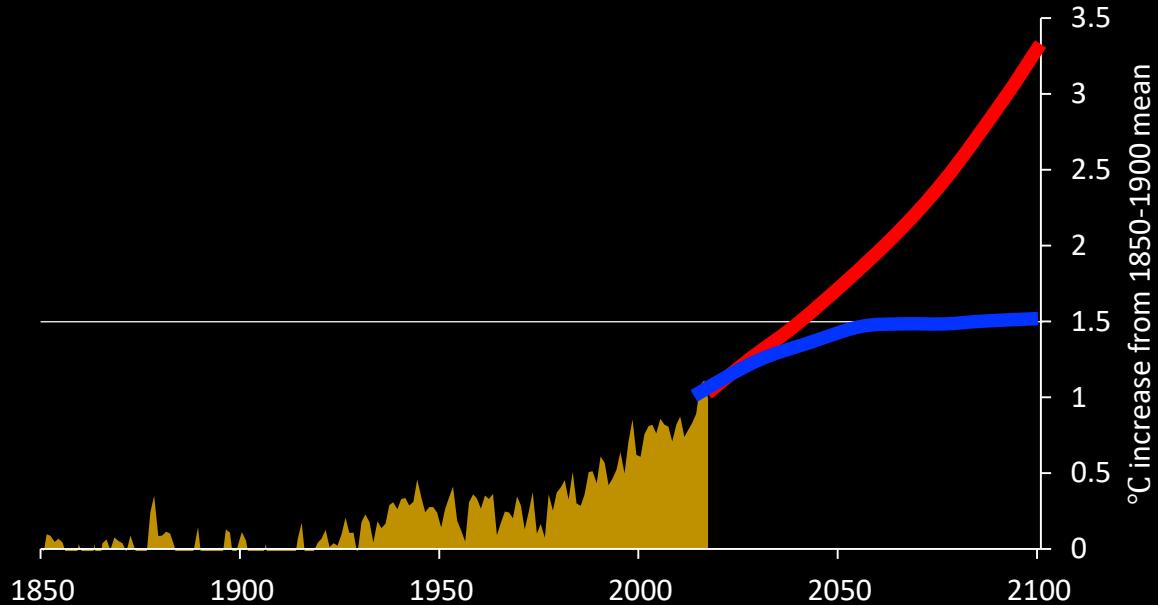


- Human influence found
- in
- ound
- esive
- ow & ice
- Heat
- Oceans
- Rain & flooding
- Storms
- Wildfires

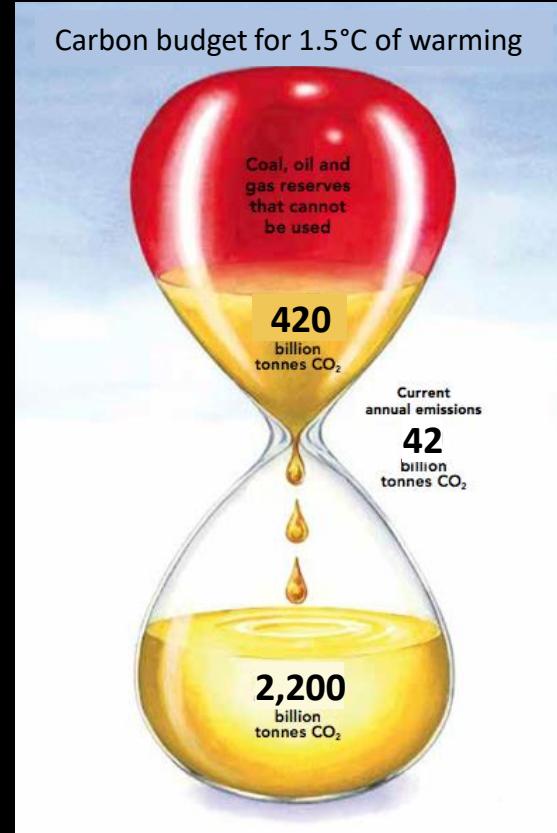


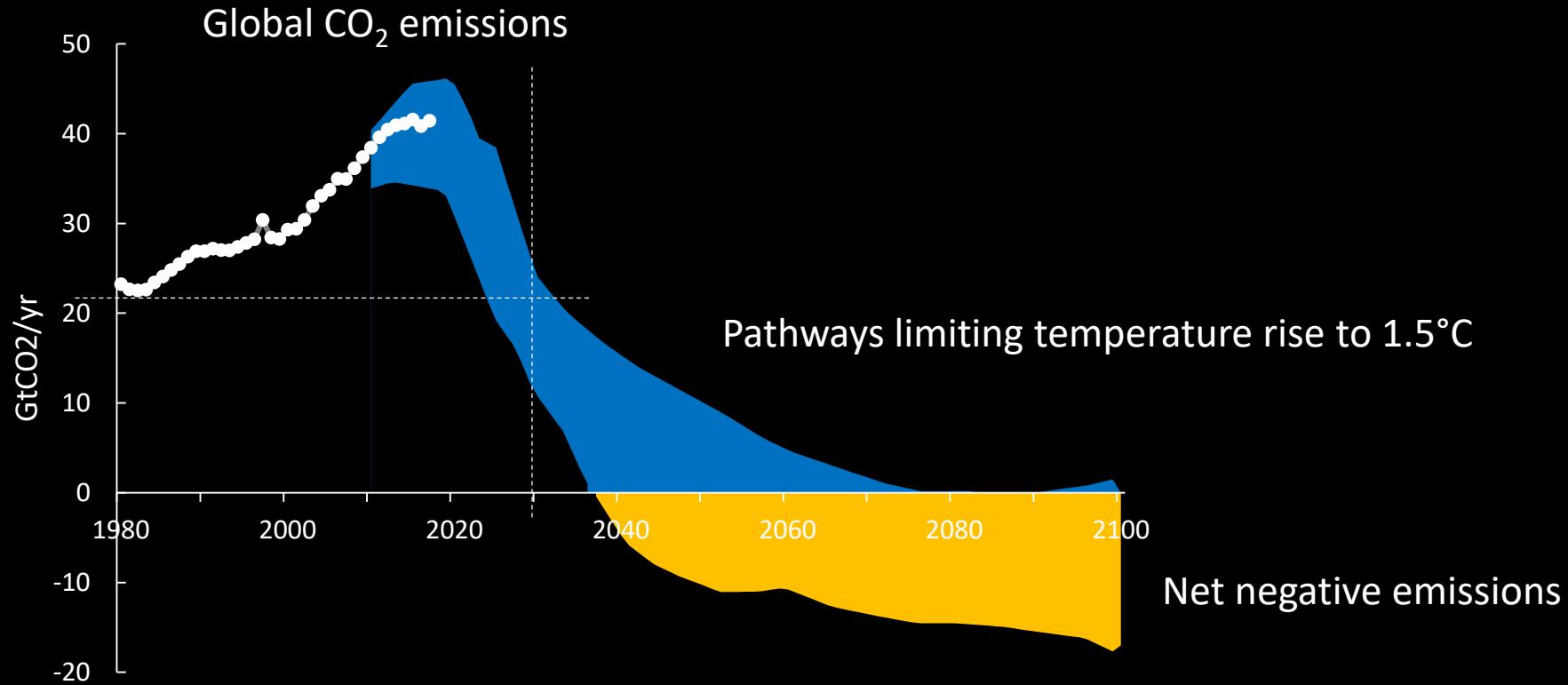


Global surface temperature



Carbon budget for 1.5°C of warming







Credit: NASA