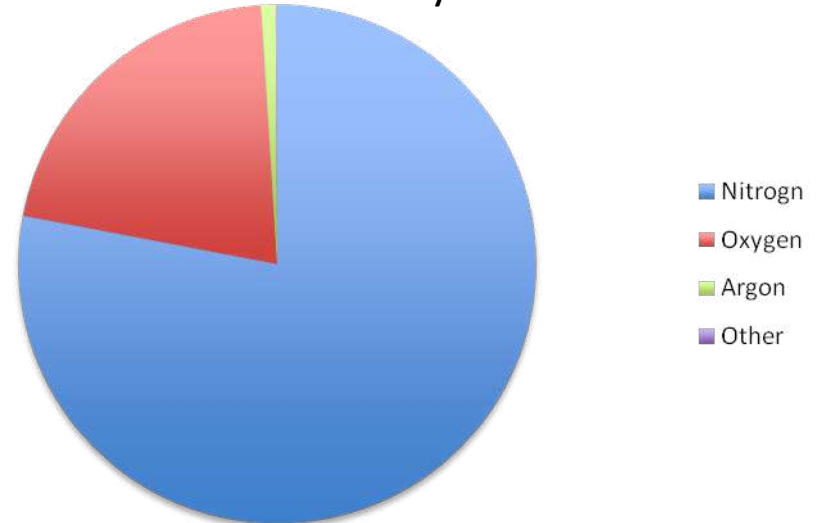


Atmosphere Notes

Composition

- Our Experiment this week helped support what scientist study about what our atmosphere is made of:

Draw this in the circle on your notes

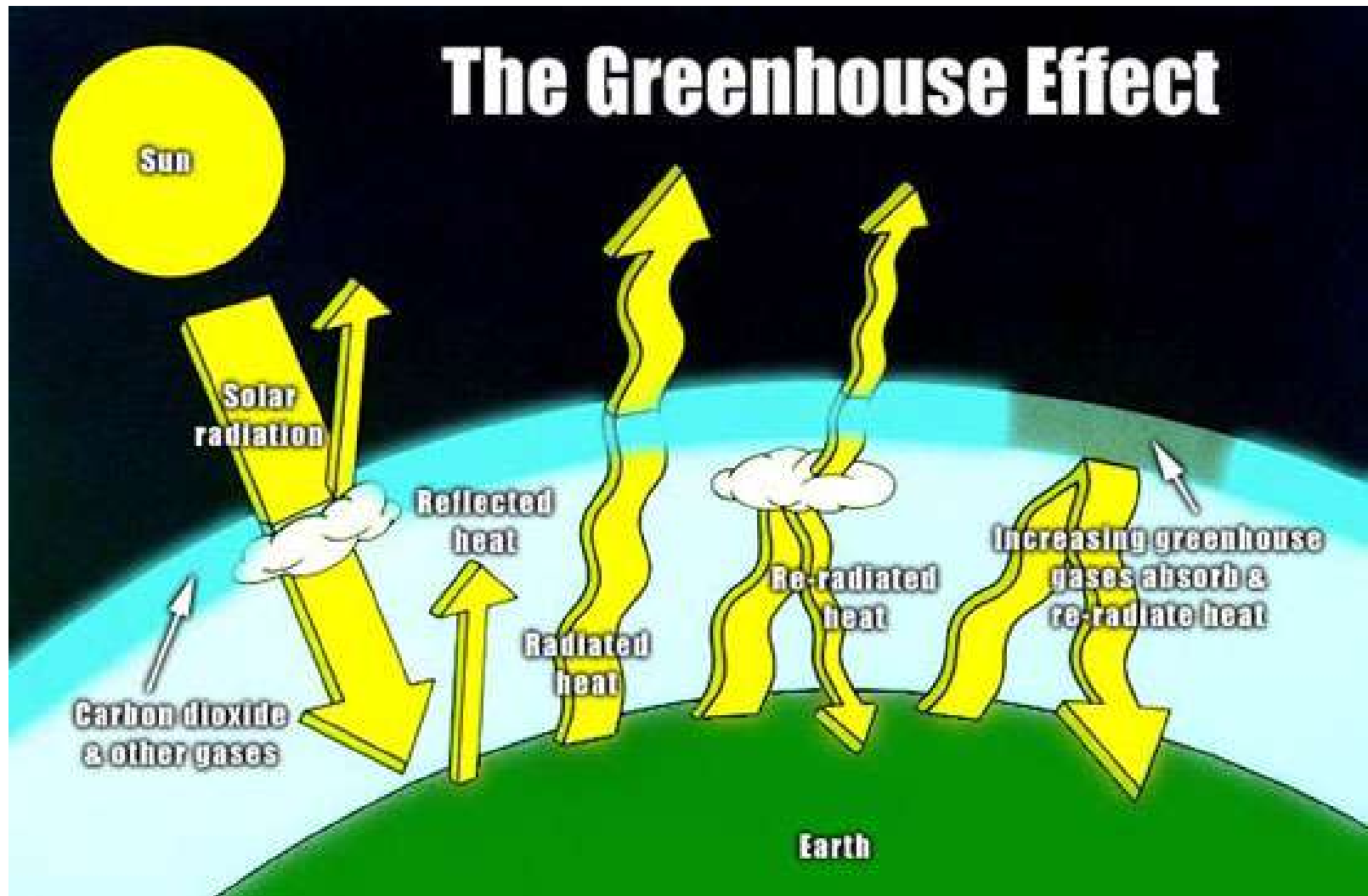


- NITROGEN 78 %
- OXYGEN 21 %
- Argon 0.9 %
- Other 0.1% (Other includes CO₂)

OTHER Gases: Greenhouse Gases



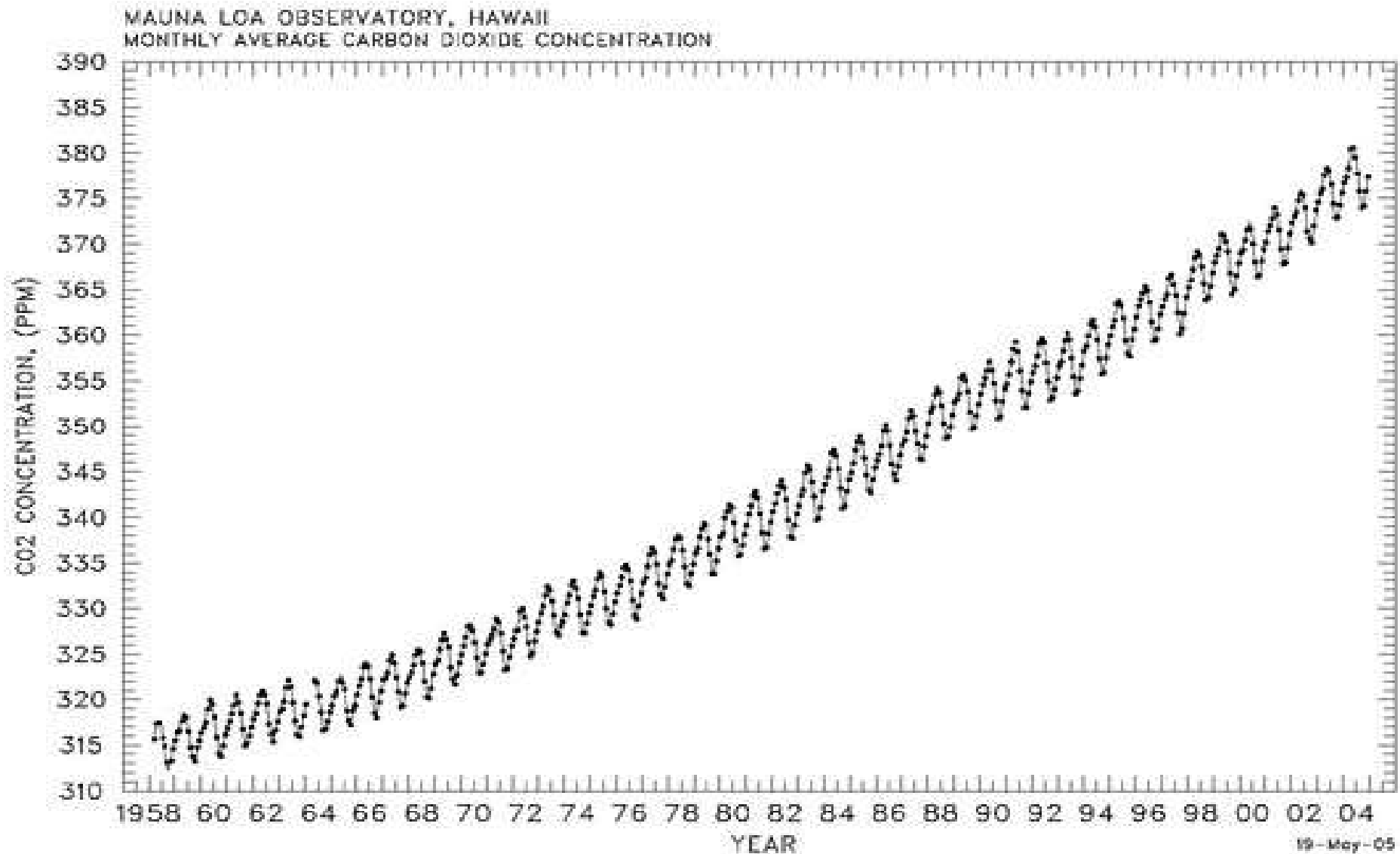
GREENHOUSE GASES trap and absorb heat from the sun into the atmosphere.



Greenhouse Gases

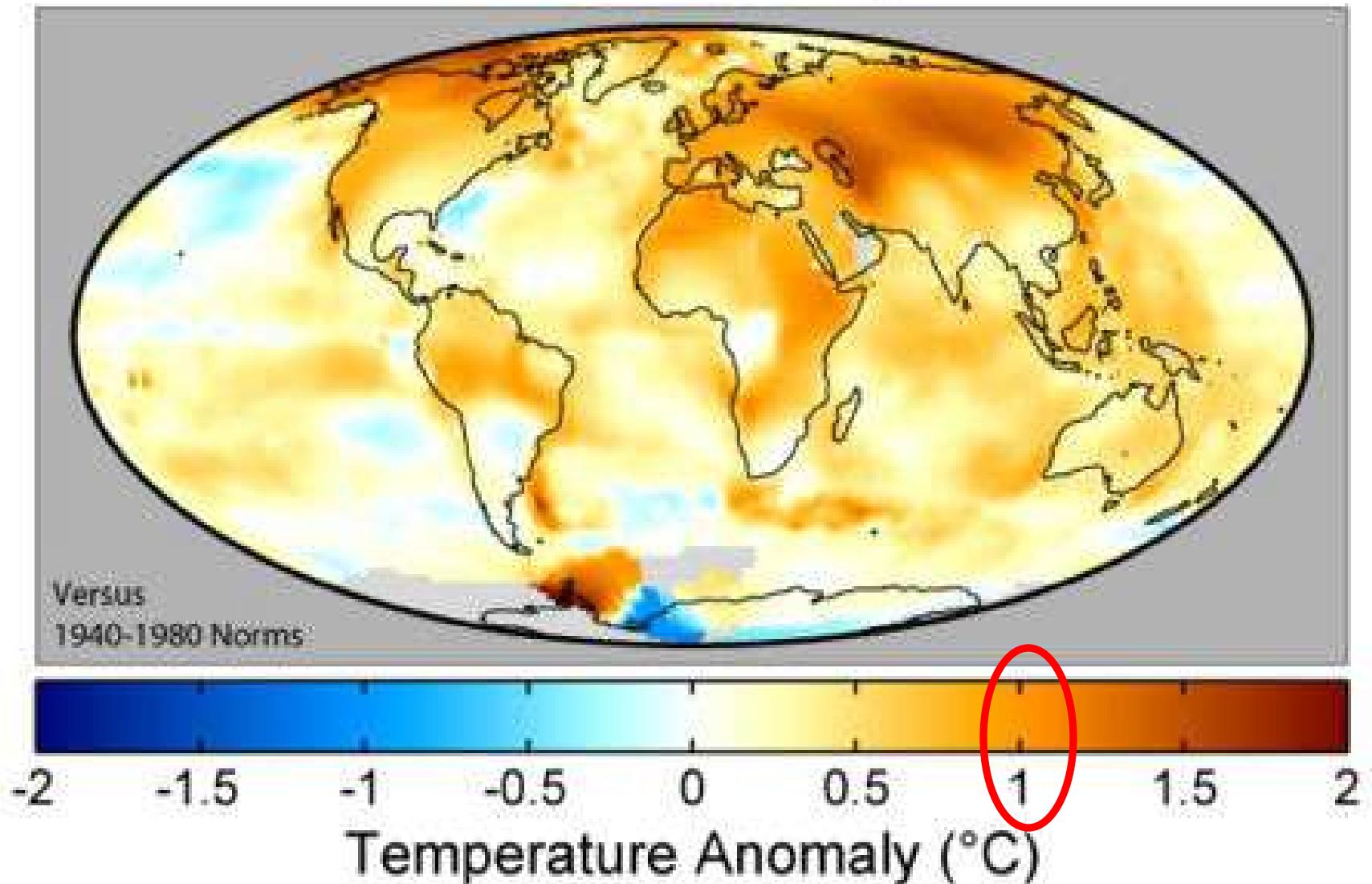
- The Top 3 Greenhouse gases are:
 - Water Vapor (Water in Gas form)
 - Carbon Dioxide (CO₂)
 - Methane

CO2 Increase since 1960



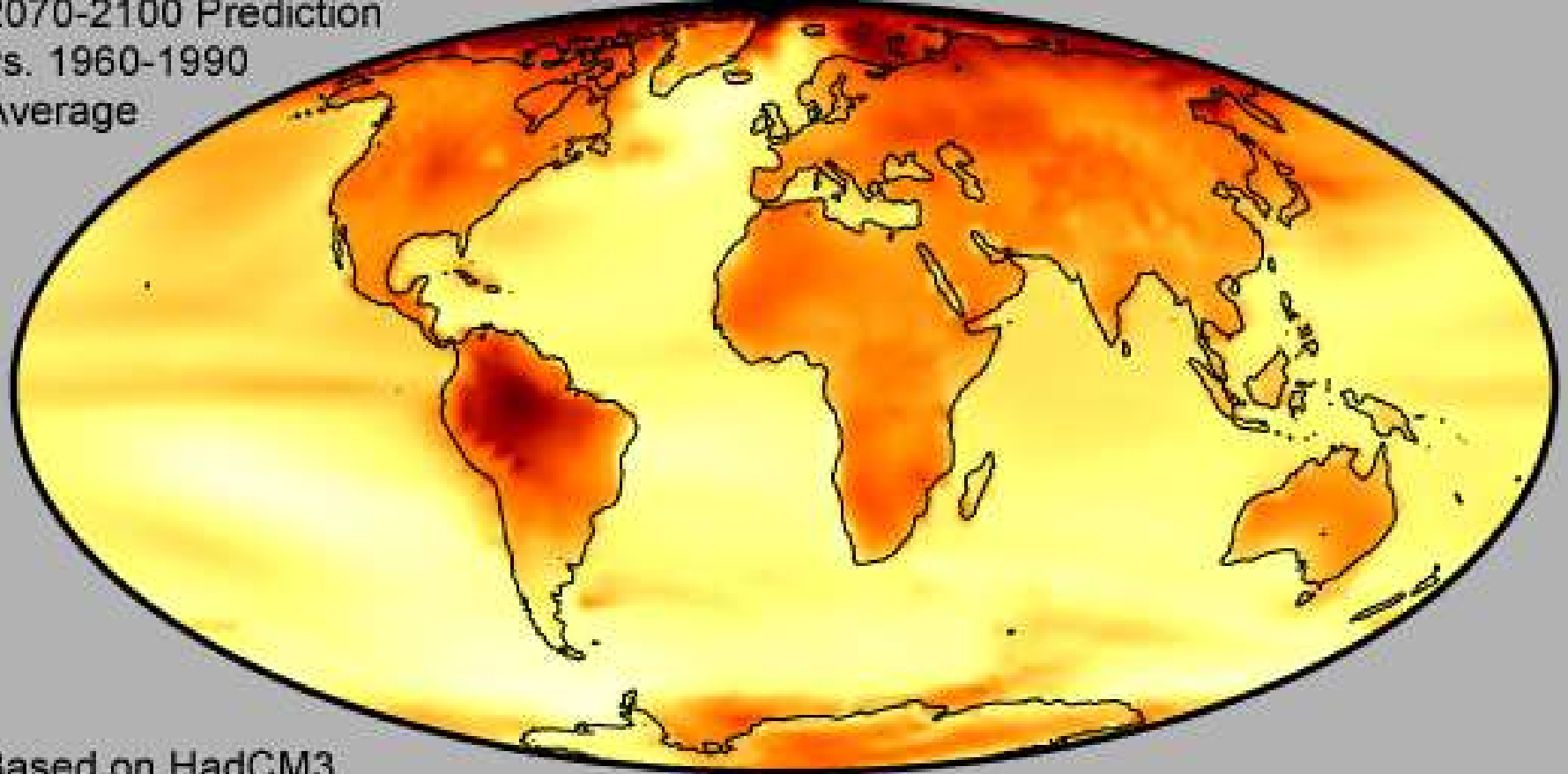
Change in temperature by 1995-2004

1995-2004 Mean Temperatures

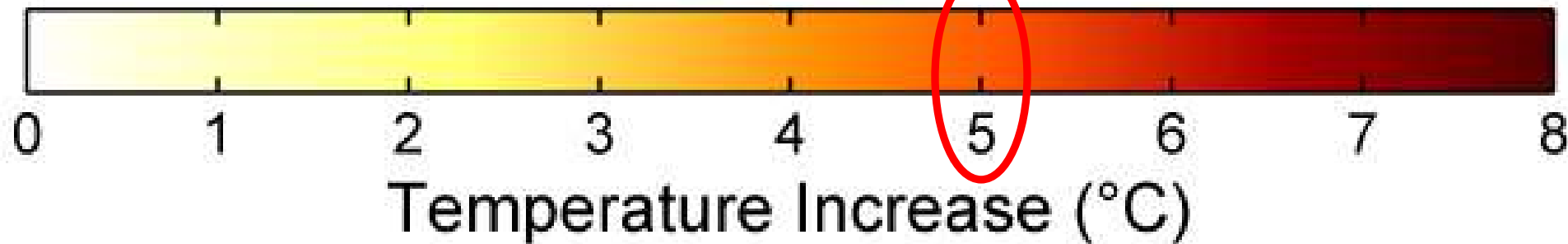


Global Warming Predictions

2070-2100 Prediction
vs. 1960-1990
Average



Based on HadCM3



Atmosphere of Venus

- Venus has about as much gas as Earth.
- Venus's atmosphere is made mostly of CO₂ (95%)
- Is this hotter or colder than earth?
Holds in much more heat than it gives off, so much hotter than earth.

Atmosphere of Mars

- Mars has same amount of Sun exposure as Earth.
- Mars has much thinner atmosphere than Earth. Thin atmosphere mostly made of CO₂.
- Would this be Hotter or Colder than Earth?

Atmosphere of Mars

Hotter during the day, colder nights.
Because little atmosphere to
protect, but also little atmosphere
to hold in heat.