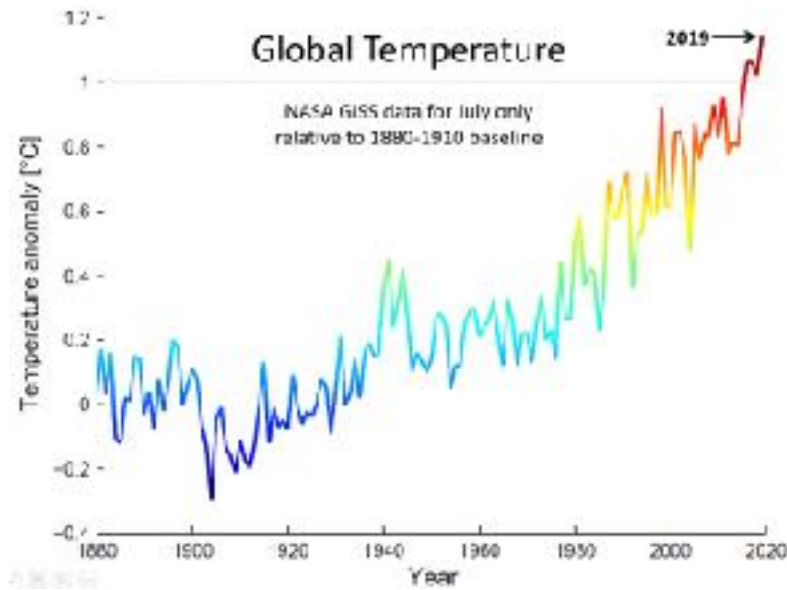


Environment Group, December 2019

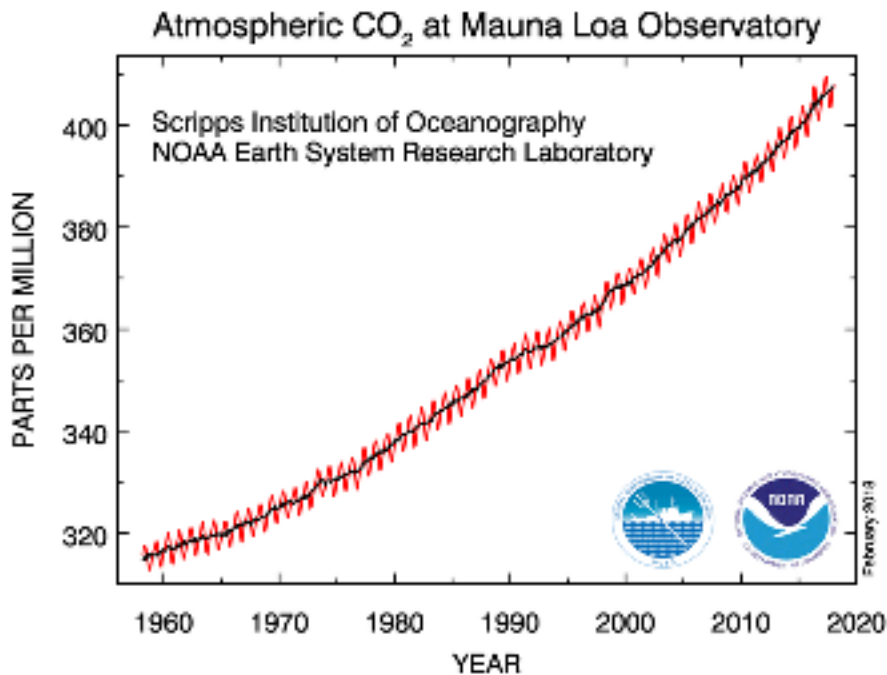
Zero carbon

Every day now it seems we receive reports about the severity of climate change and the increasing urgency of the need to reduce our carbon footprint.

As a reminder here are the two key graphs. The first shows the global mean temperature for July since 1880. July 2019 was the warmest since meteorological records began.



This second one shows the increase in carbon dioxide concentration in the atmosphere since 1958. The latest value for October 2019 is 412 ppm.



We have an impending crisis. Once the concentration exceeds about 450 ppm the situation is likely to become dangerous. The increase in temperature is not due to natural climate variability, it is due to human activity, especially burning fossil fuels and clearing forest.

Whatever climate change deniers say, the science has been well understood and secure for over 20 years.

Governments need to act and act swiftly but we can all make a difference principally by:

- Insulating homes even more – roofs, windows and outside walls especially
- Supporting renewable energy generation and switching to a green tariff energy supplier
- Replacing light bulbs with LEDs now, don't wait until existing ones perish
- Buying an electric car and charging it overnight off peak using a green tariff
- Eating less meat, especially beef and lamb. Cows and sheep, as ruminants, generate copious amounts of methane, a strong greenhouse gas
- Flying less...take the train, avoid long hauls....
- Measuring your carbon footprint using <https://footprint.wwf.org.uk> and use it to identify how to reduce it, year after year.

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