Changing Climate: Climate Stripes

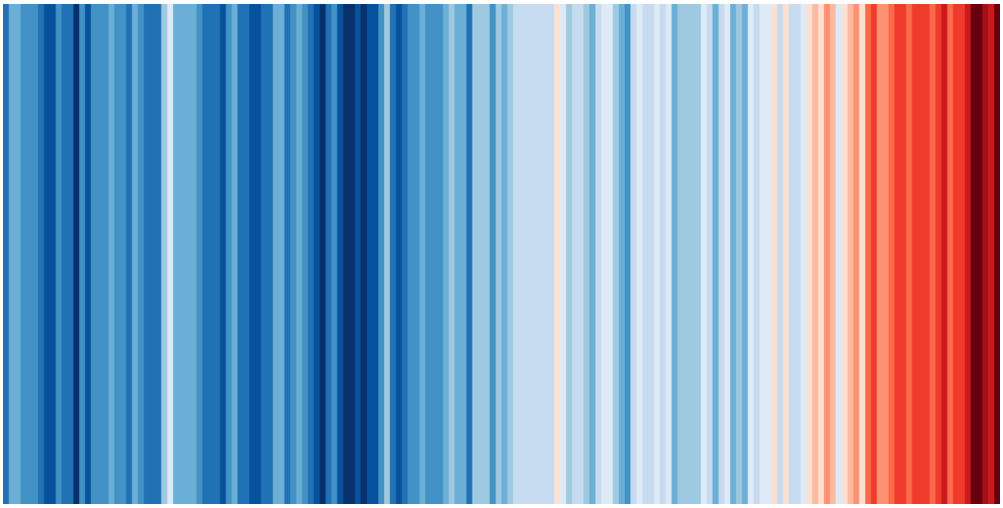

Image reproduced with permission from Ed Hawkins. **https://showyourstripes.info < https://showyourstripes.info>**

This image shows the warming stripes for the whole globe from 1850 – 2019. These 'warming stripe' graphics are visual representations of the change in temperature as measured in each country over the past 100+ years. Each stripe represents the temperature in that country averaged over a year.

Go to **https://showyourstripes.info < https://showyourstripes.info>** and select climate stripes for a region of your choice.

- Which region did you choose?
- How has the temperature of your region changed over the period?
- Roughly what proportion of the graph is mainly blue, and what proportion is mainly red? You could use a ruler to measure the graph to help you estimate this:
  Width of mainly blue area (w1) =
  Width of mainly red area (w2) =
  Total width (w1+w2) =
  Proportion of blue (w1 / total) =
  Proportion of red (w2/ total) = .
- How does that compare to the graph for the whole world, shown above?
  Width of mainly blue area (w1) =
  Width of mainly red area (w2) =
  Total width (w1+w2) =
  Proportion of blue (w1 / total) =
  Proportion of red (w2/ total) = .
- Looking at the stripes for your region, when does it look like the temperatures were changing fastest?
- Looking at the stripes for the whole world, when does it look like the temperatures were changing fastest?

Extension Question: How do the climate stripes demonstrate the difference between weather and climate?