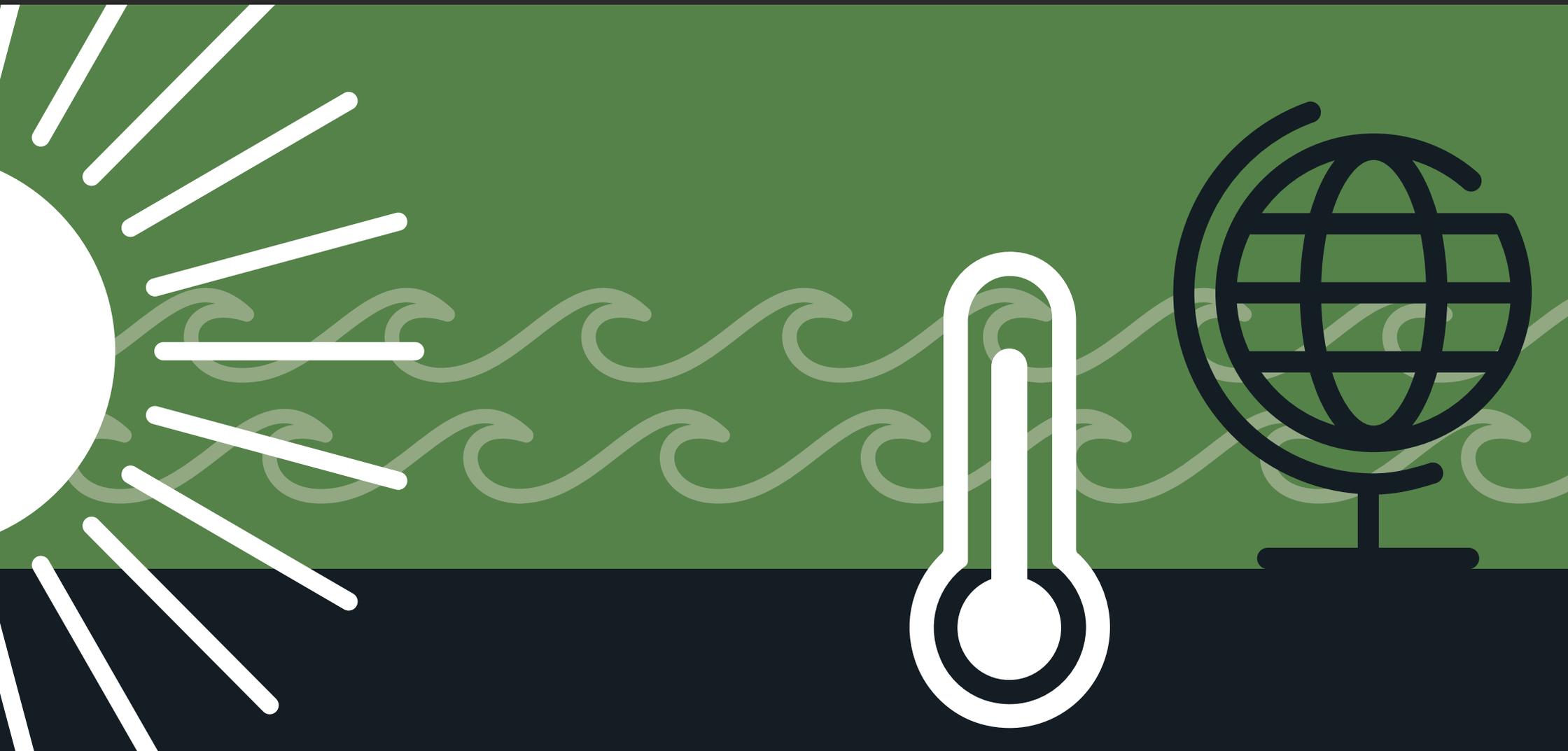


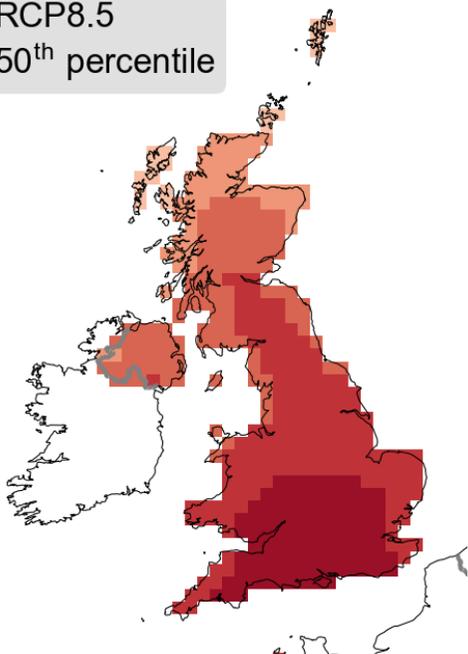


# Interpreting climate models

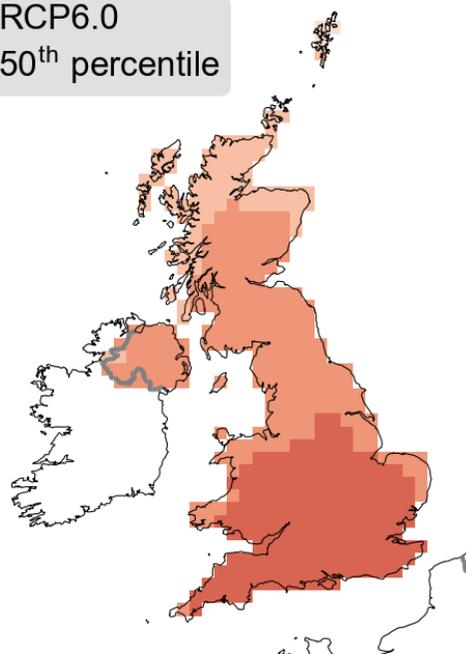


# Summer daily maximum temperatures

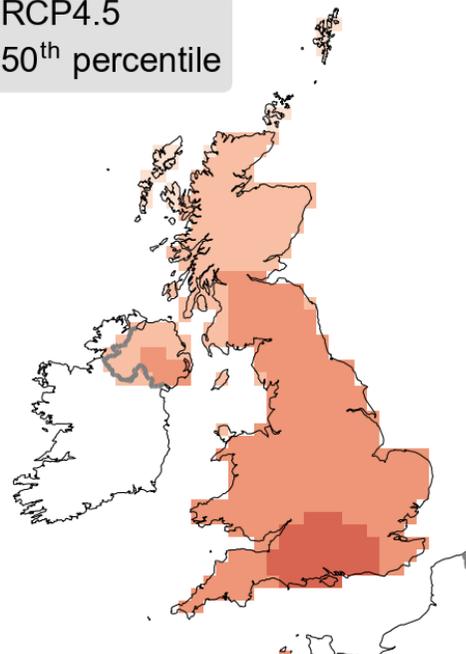
RCP8.5  
50<sup>th</sup> percentile



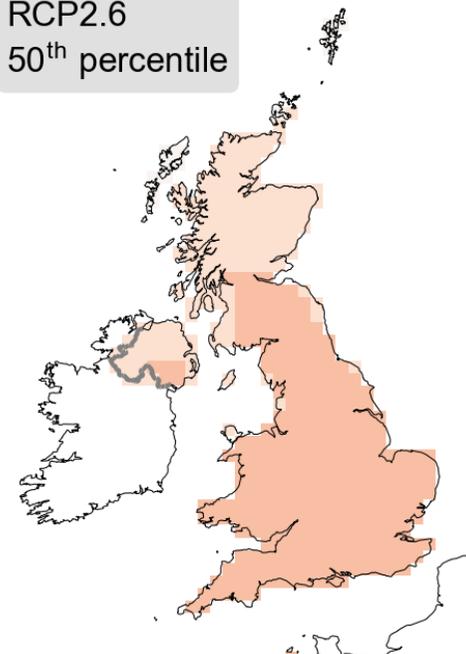
RCP6.0  
50<sup>th</sup> percentile



RCP4.5  
50<sup>th</sup> percentile



RCP2.6  
50<sup>th</sup> percentile



**Scenario 1:** emissions continue to rise throughout the rest of this century ('worst case scenario')

**Scenario 2:** emissions peak around 2080 then decline through the rest of this century

**Scenario 3:** emissions peak around 2040 then decline through the rest of this century

**Scenario 4:** emissions of CO<sub>2</sub> start declining by 2020 and go to zero by 2100 ('best case scenario')

# Questions

- Is there a difference in the climate of the UK by the end of this century depending on which scenario you consider?
- If so, what does this difference look like?
- What might the impacts of these changes be?
- Which future UK might they like to live in and why?

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