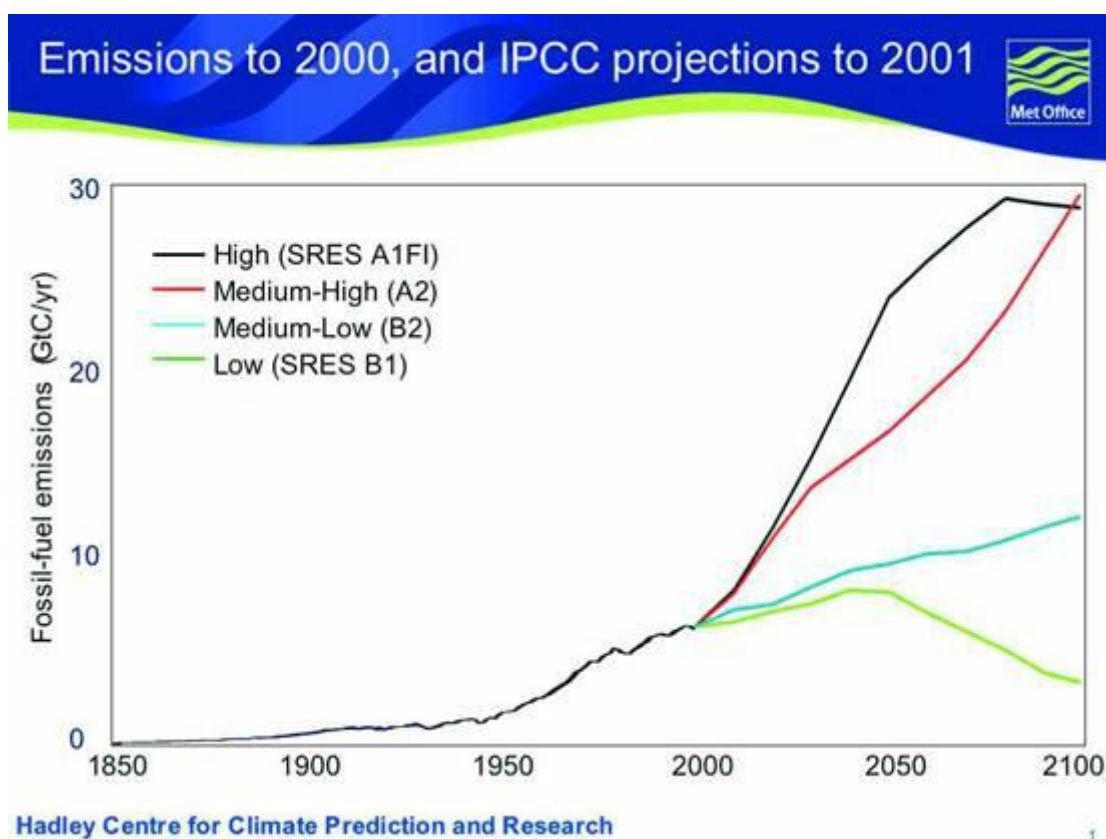


Projections based on Emission Scenarios

Emissions based on IPCC scenarios

http://www.metoffice.gov.uk/research/hadleycentre/pubs/brochures/2005/clim_green/slide38.pdf



1. Write down the projected emissions for the each of the scenarios in 2050?
High _____
Medium-high _____
Medium-Low _____
Low _____
2. Remember that each scenario is based on a 'storyline' of how the world may develop. Refer to the scenario factsheet for descriptions of each storyline.

Which storyline has the most projected emissions?

Which storyline has the least projected emissions?

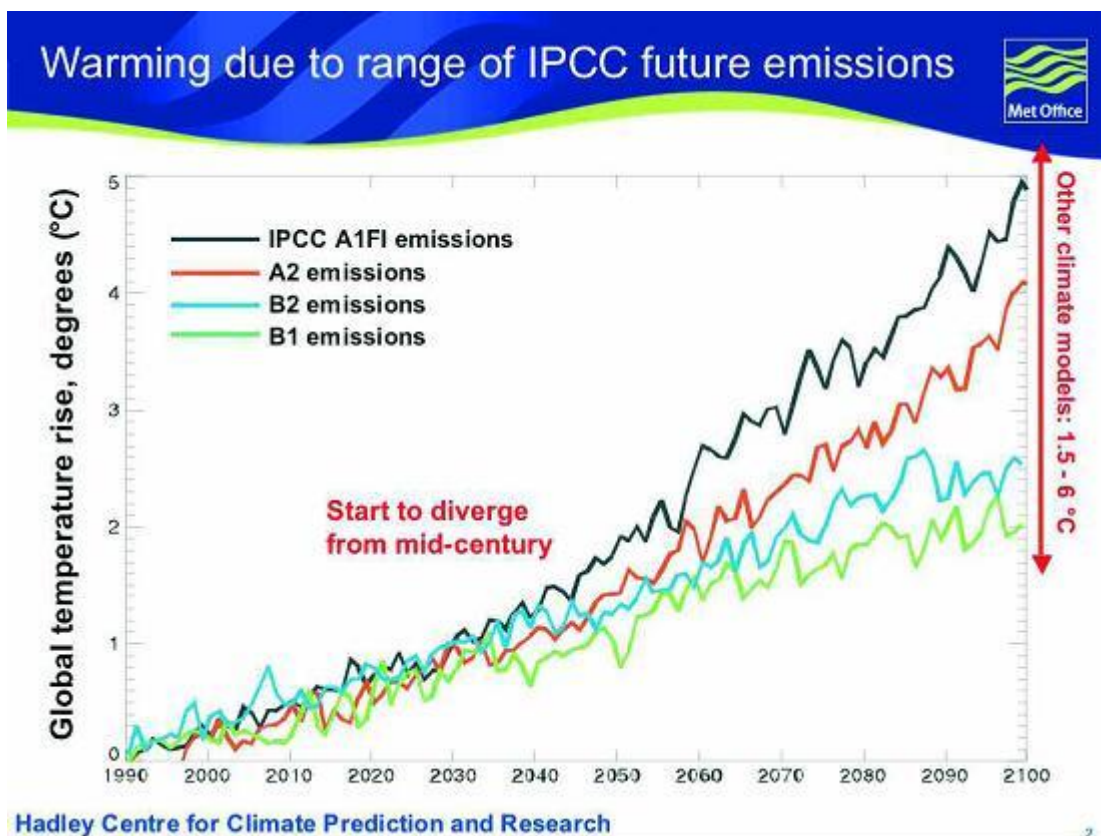
:page 1



3. How is the world predicted to develop for emissions to decrease by 2050?
4. What do you think are the reasons for this decrease by 2050?

Global temperature rise based on IPCC scenarios

http://www.metoffice.gov.uk/research/hadleycentre/pubs/brochures/2005/clim_green/slide39.pdf



Global warming over the next three or four decades is similar for each of the emissions scenarios, even though they diverge after 2000. This is because of the lifetime of CO₂ in the atmosphere which lasts about 100 years so some of the temperature rise will happen even if we reduce the level of emissions today.

1. What is the projected lowest global-mean temperature rise?

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The DCSF supported Action plan for Geography is delivered jointly and equally by the GA and the RGS-IBG



2. What is the highest global-mean temperature rise?
3. Which storyline do you think is most likely to happen?