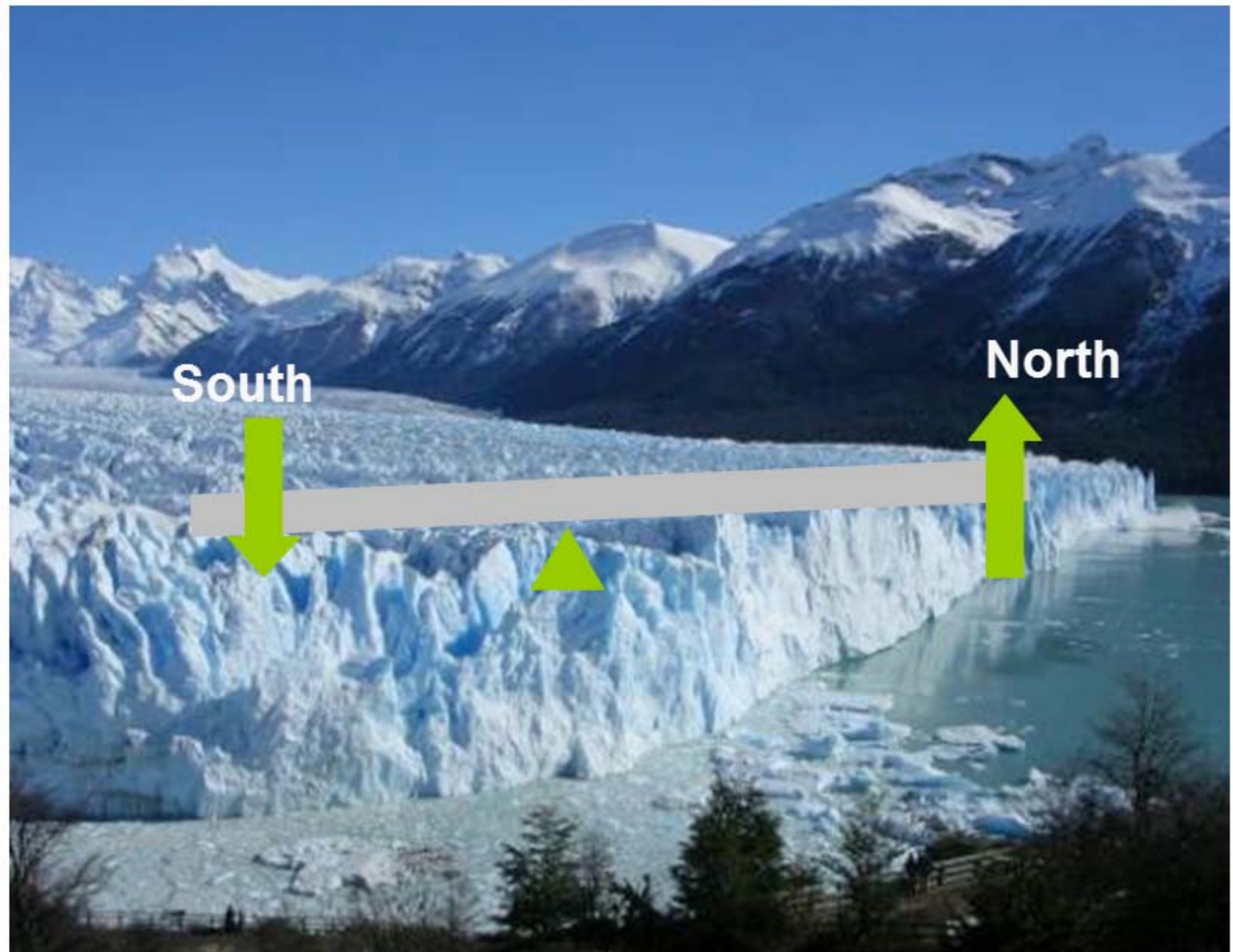
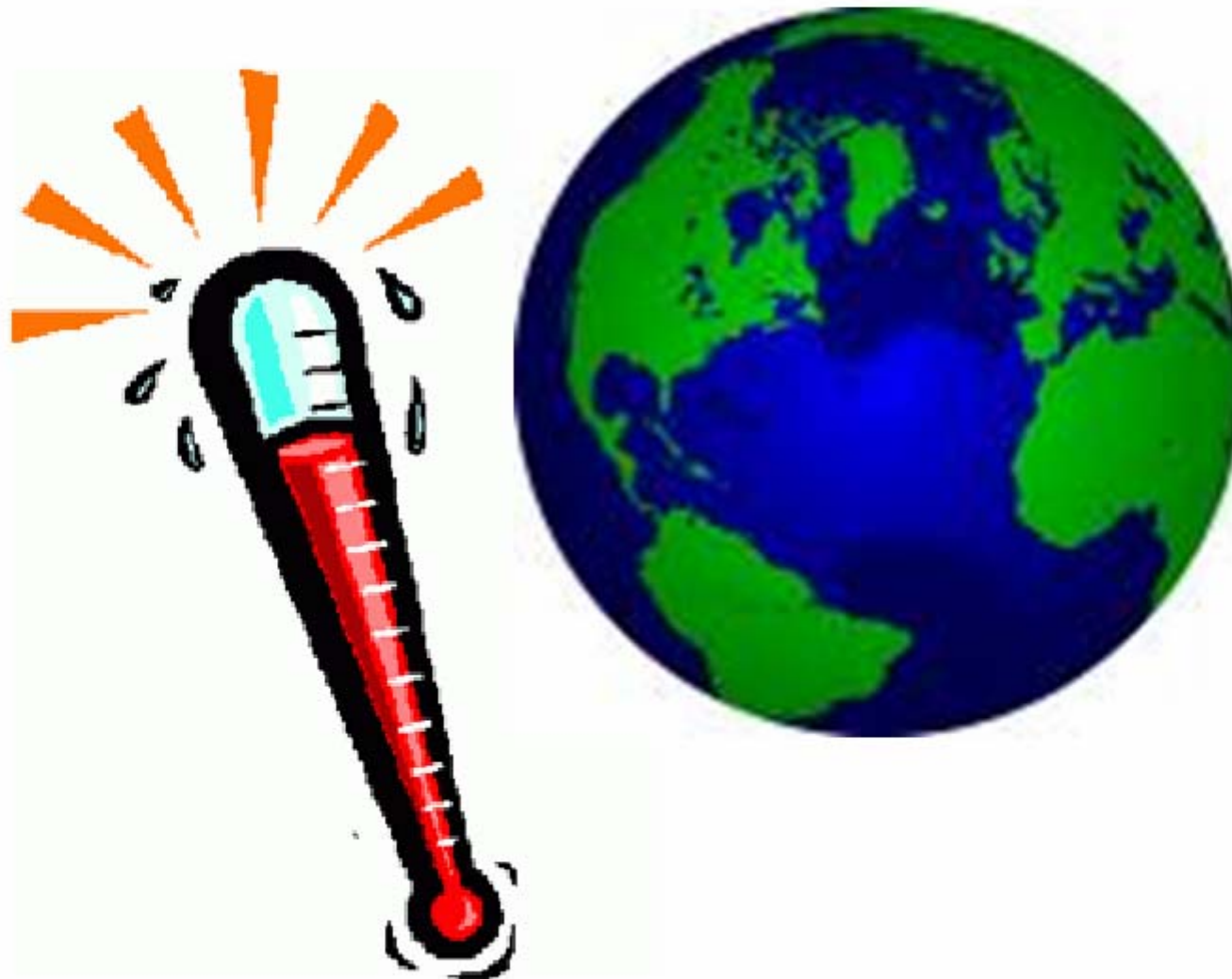


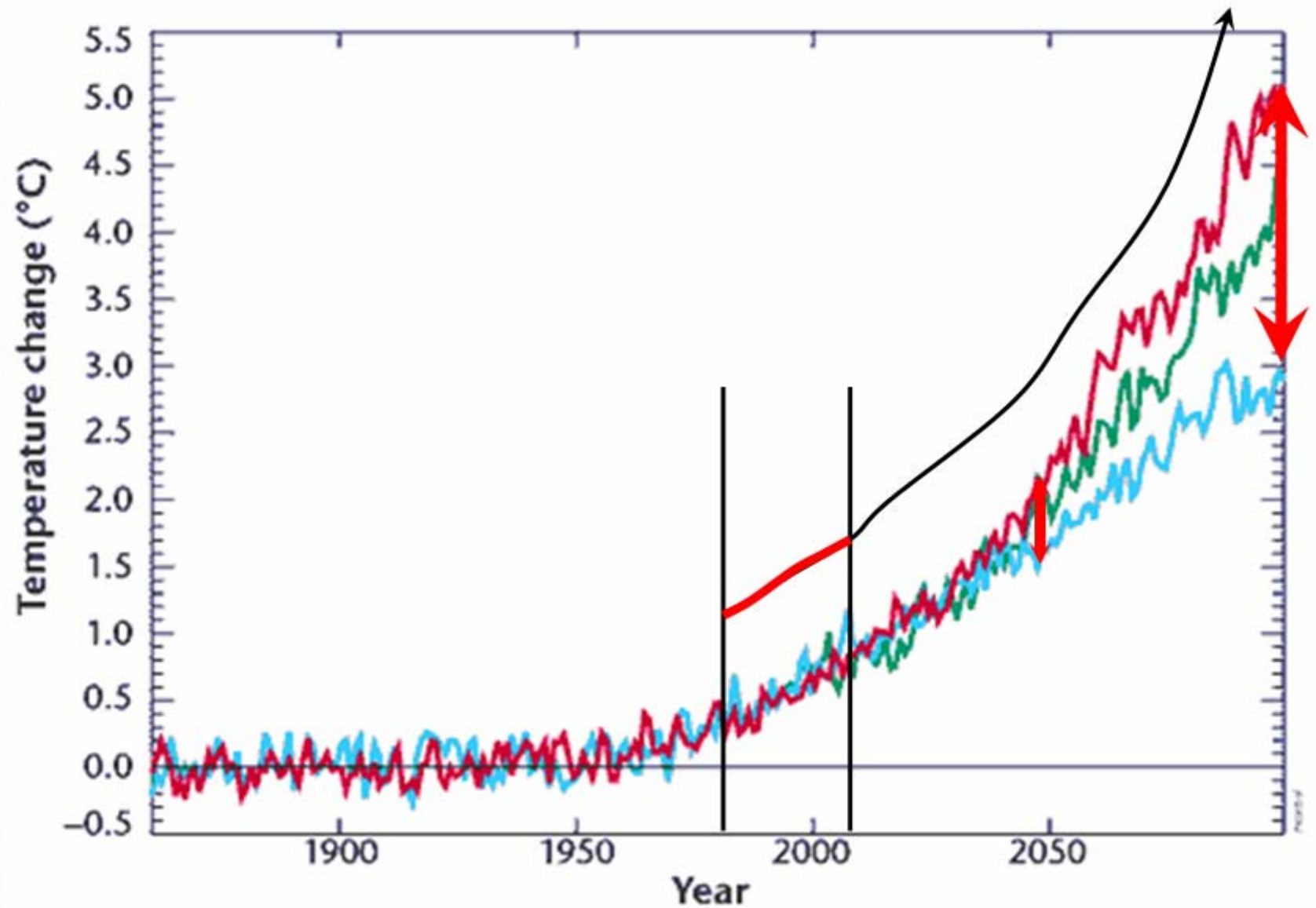


What is climate change and should we worry?

Dr Nick Cooper, Royal Haskoning







Floods, Storms and Lightning



Wind and gales

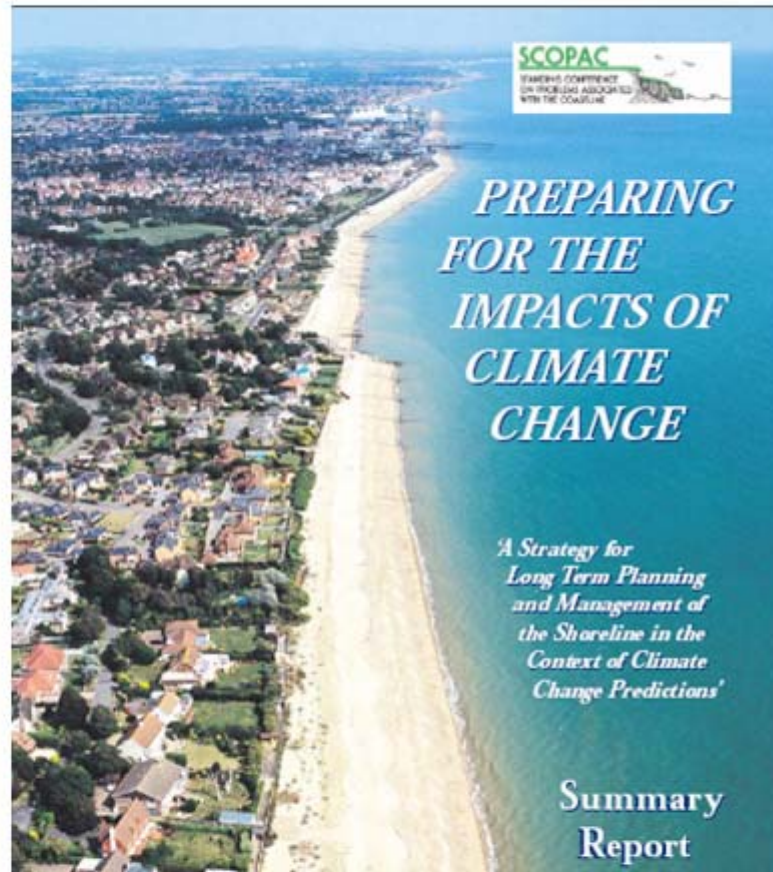


Heatwaves



Coastal erosion and landslides





Climate Changes





South East

Change in annual average daily temperature

Source: UKCIP02 Climate Change Scenarios (funded by Defra, produced by Tyndall and Hadley Centres for UKCIP)

High
Emissions
scenario

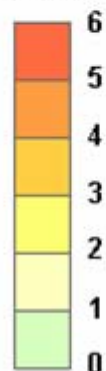


2020s

2050s

2080s

change in
deg C



3°C doesn't sound like much ...

... it represents a rise in temperature comparable with the global heating that occurred between the last Ice Age (15,000 years ago) and the 18th Century

this is projected for the 2050s



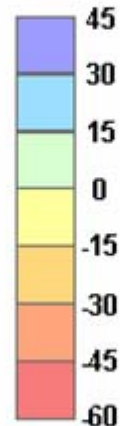
South East England

Source: UKCIP02 Climate Change Scenarios (funded by Defra, produced by Tyndall and Hadley Centres for UKCIP)

Percentage change in summer precipitation

High
Emissions
scenario

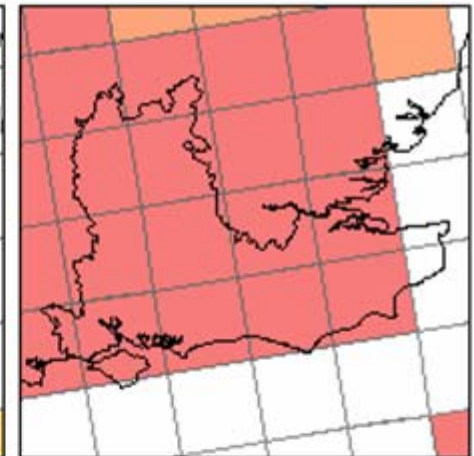
per cent
change



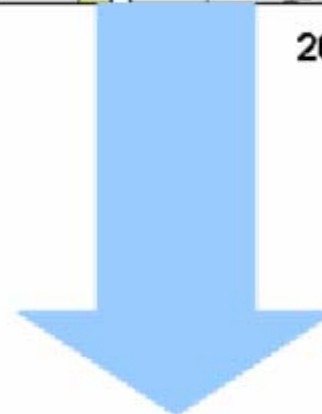
2020s



2050s



2080s





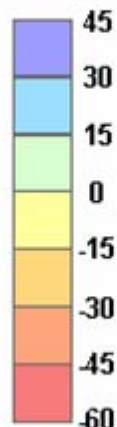
South East England

Source: UKCIP02 Climate Change Scenarios (funded by Defra, produced by Tyndall and Hadley Centres for UKCIP)

Percentage change in winter precipitation

High
Emissions
scenario

per cent
change



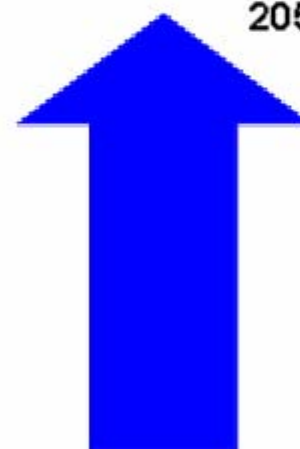
2020s



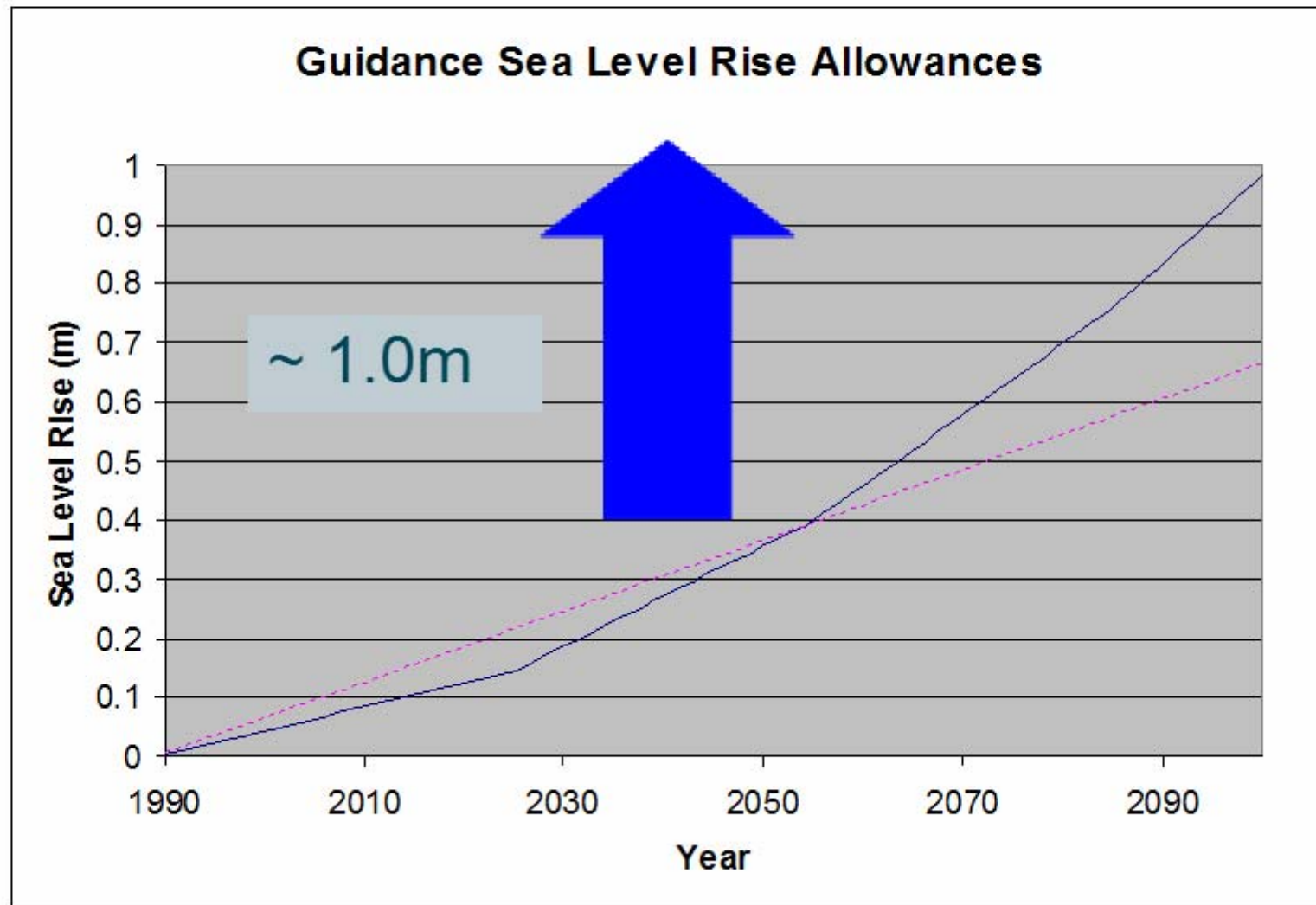
2050s



2080s

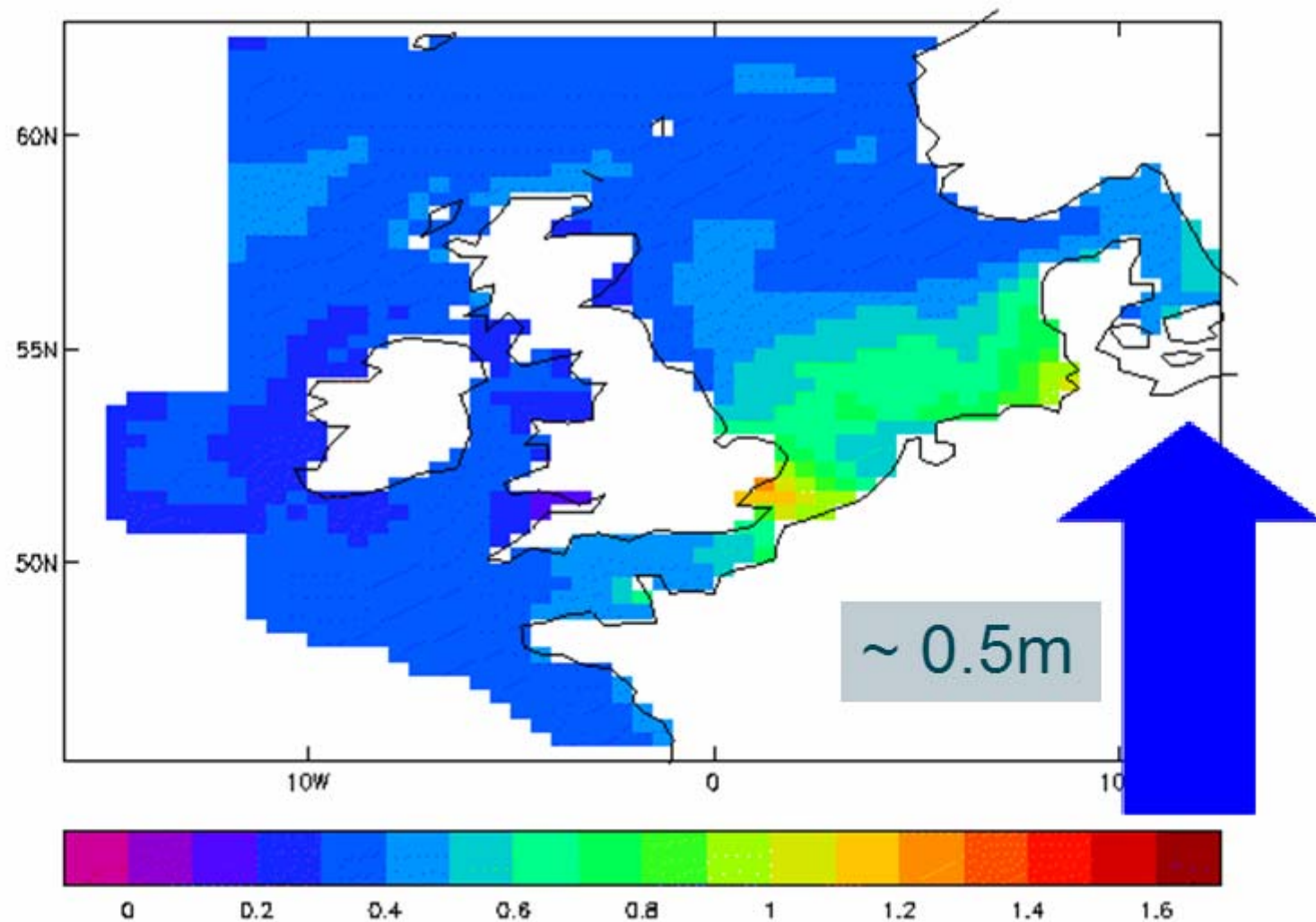


Mean Sea Level



Surges

2075





smp2:

**What is climate
change
and should
we worry?**

Key climate change issues for the SMP2:

- Warmer temperatures
- Rising mean sea levels
- Higher extreme sea levels
- Higher wave action(?)
- Changes in wave direction(?)
- Increased winter rainfall