

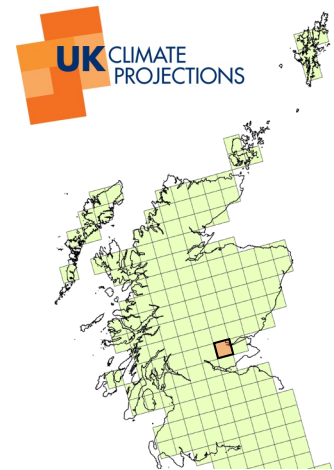
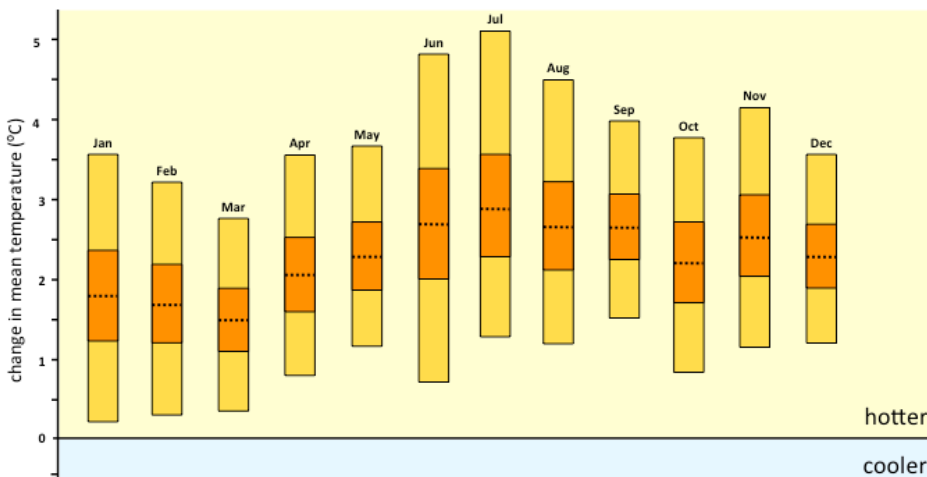
The key long-term climate change trends for Scotland are:

- Average summer is **hotter and drier**
- Average winter / autumn is **milder and wetter**
- Weather will remain **variable** (e.g. year-to-year), it may become more variable

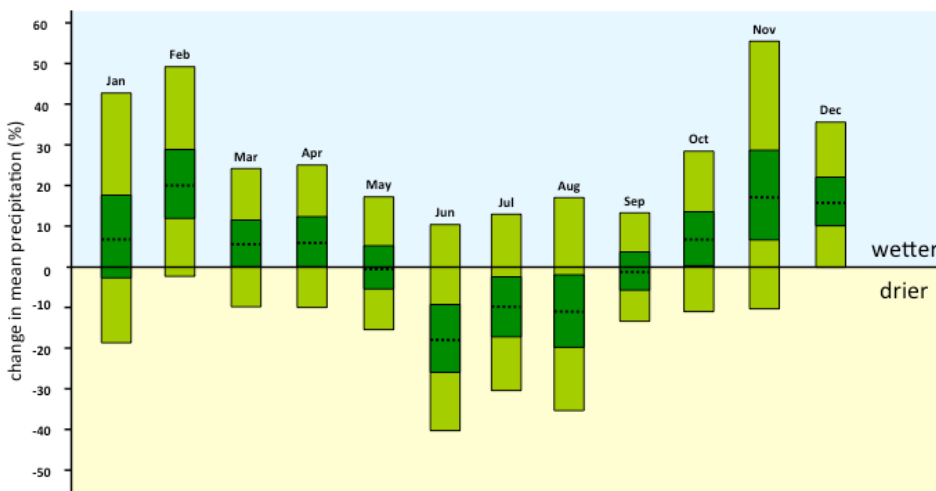
We can also expect to see:

- Increase in summer heat waves, extreme temperatures and drought
- Increased frequency and intensity of extreme precipitation events
- Reduced occurrence of frost and snowfall
- Sea level rise

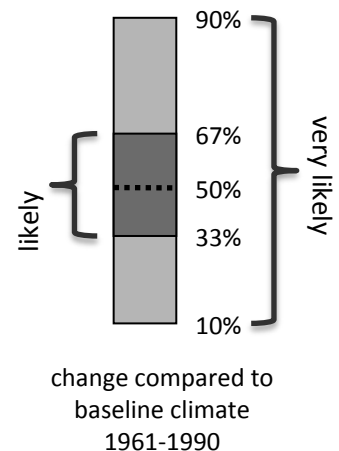
Change in Mean Temperature: 2050s High Emissions for Perth (Grid 728)



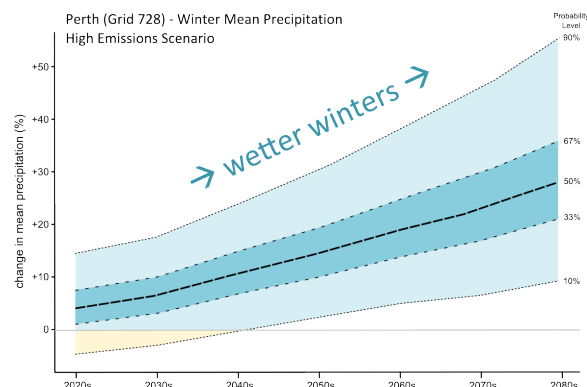
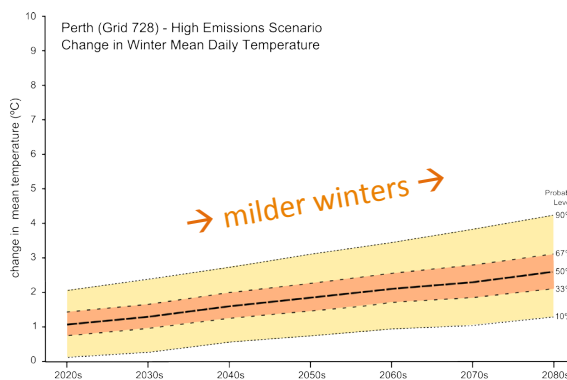
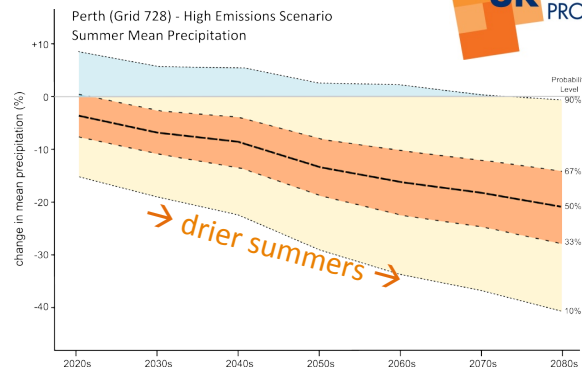
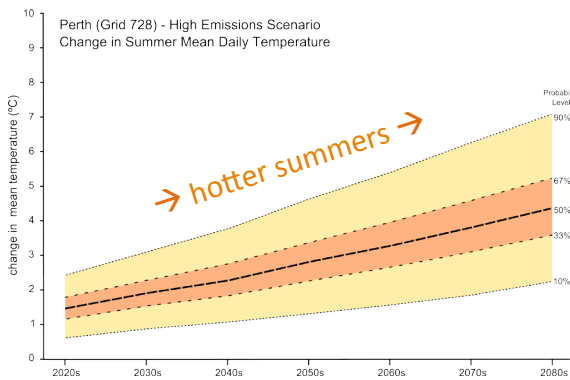
Change in Mean Precipitation: 2050s High Emissions for Perth (Grid 728)



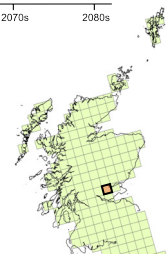
UKCP09:
Probability Level



Note: UKCP09 projected probability ranges are given for each month for the 2050s High Emissions. Mean temperature is projected to increase in all months of the year. Projections of precipitation are more complex to interpret – but it is *likely* that precipitation will increase in months between October-April and it is *likely* that precipitation will decrease in the summer months of June-August.



Note: UKCP09 projections are given for mean temperature and mean precipitation for summer and winter over all time periods 2020s through 2080s. These are useful to demonstrate the long-term trends in climate we can expect – with an average summer becoming hotter and drier and an average winter becoming milder and wetter.



Dundee

UKCP09 Relative Sea Level Rise

