

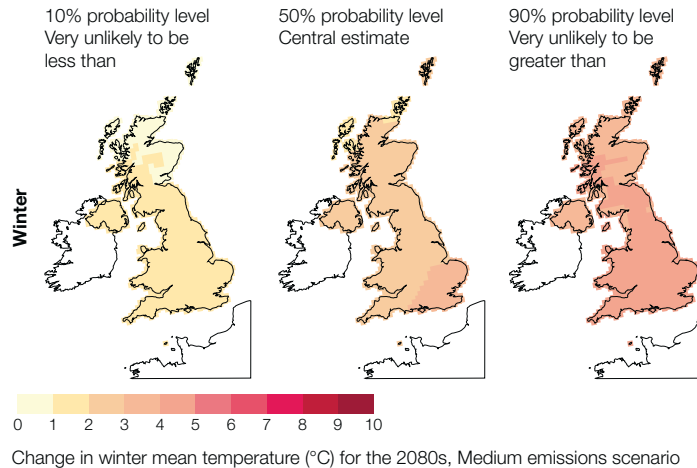
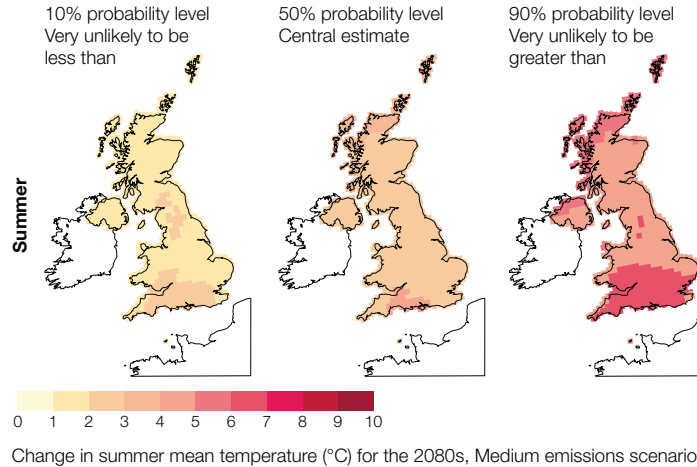
UNDERSTAND CLIMATE CHANGE EFFECTS

Detailed research is being undertaken to determine the impacts of climate change. Nevertheless, models involve many assumptions about how the parameters will develop and interact. Almost every country is working on its own regional climate projection model derived from different global climate models. For some regions, various regional climate models are being used providing varying results. For a planner in the city the Adaptation Compass will supply practical information to guide the user through questions such as:

What do I need to know? What kind of information do I need? Where can I get information? How can I handle uncertainties?

A basic catalogue of direct and indirect impacts of changes in climate variables for different sectors of special interest for the urban structures provides the necessary background information.

For the regions of the Future Cities partners, trends for climate variables are provided, e.g. increase of heat days and increase of temperature during summer. Many projected trends have a reinforcing effect on the current situation such as more extreme rainfall might lead to increased storm water flooding events. Some are probably indifferent or might have even a balancing effect, e.g. milder winter temperatures mean less energy needed for heating leading to less greenhouse gas emission.



Climate projections for the UK 2009: projected temperature rise

