

Department for Business, Energy & Industrial Strategy





UKCP18 CLIMATE CHANGE OVER LAND

UKCP18 projects greater chance of hotter, drier summers and warmer, wetter winters

This is broadly consistent with UKCP09



41% drier to 9% wetter	3% drier to 22% wetter	No change to 3.3 °C warmer	-0.1 °C cooler to 2.4 °C warmer
57% drier to 3% wetter	2% drier to 33% wetter	1.1 °C warmer to 5.8 °C warmer	0.7 °C warmer to 4.2 °C warmer
	For a location i	n central Scotland	
30% drier to 6% wetter	4% drier to 9% wetter	-0.1 °C cooler to 2.8°C warmer	-0.3°C cooler to 2.7°C warmer
40% drier to 8% wetter	3% drier to 12% wetter	0.6 °C warmer to 4.8 °C warmer	0.6 °C warmer to 4.5 °C warmer
	For a location	in central Wales	
39% drier to 3% wetter	2% drier to 19% wetter	No change to 3.3°C warmer	0.1 °C warmerto 2.4 °C warmer
56% drier to 2% wetter	No change to 29% wetter	0.9 °C warmer to 5.9 °C warmer	0.7 °C warmer to 4.1 °C warmer
	For a location in ce	ntral Northern Ireland	
28% drier to 6% wetter	3% drier to 17% wetter	No change to 2.8 °C warmer	0.1 °C warmer to 2.2 °C warmer
38% drier to 3% wetter	2% drier to 25% wetter	0.8 °C warmer to 4.9 °C warmer	0.6 °C warmer to 3.9 °C warmer
Low emission scenario High e	emission scenario re for the 2060-2079 period relative to 1981-20	00 Gre sun	o.6 °C warmer to 3.9 °C warme eater chance of mers being hotter n 2018 in future
			the recent past, the chance seeing a summer as hot as





State-of-the-art global climate models Innovative regional climate models Up to date observational data Significant user engagement 2018 was low (<10%)

- By mid-century, hot summers could become common (~50%)
- By the end of the century, if we continue with high greenhouse gas emissions, these hot summers will become even more likely

http://ukclimateprojections.metoffice.gov.uk

Working together on UK climate projections