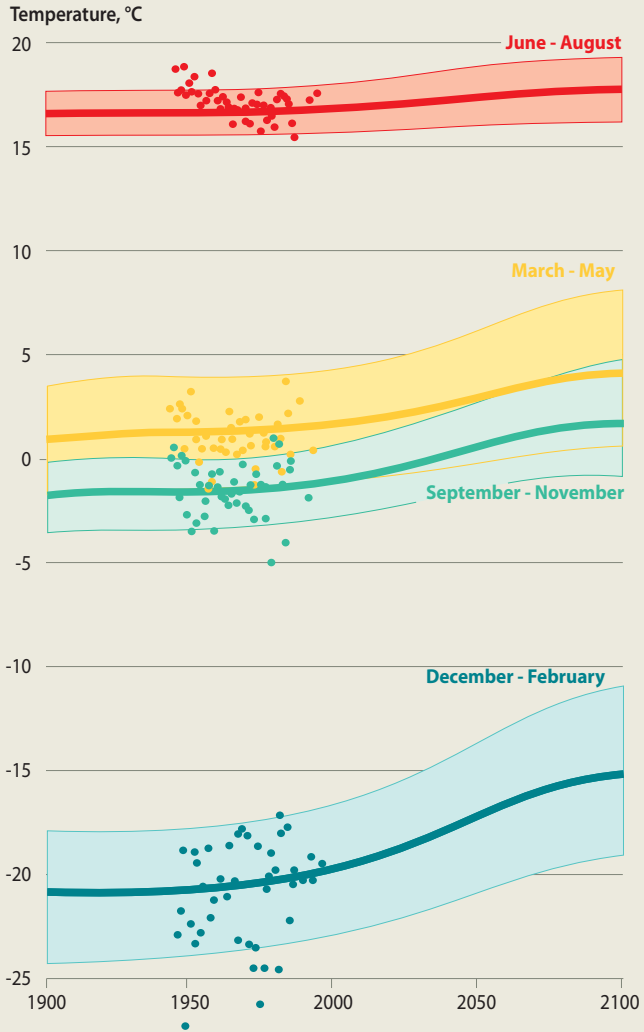
Observed and predicted seasonal temperatures in northwest Mongolia





Modelled temperatures

Observed temperatures

The best available knowledge on local-level climate change scenarios up to year 2100 in Hovsgol province is derived from Moron, located 500 km south of Tsagaannuur *sum* centre. Using statistical downscaling, these figures show the observed (dot) and modelled (solid line) local temperatures for the period 1900-2100 across the four seasons.

In Moron the temperature is expected to rise approximately 5 - 7 °C during December - February up to 2100. During summer a 2 - 4 °C warming is expected. The range of uncertainty (shaded area) arises from differences between several global climate models, which each give different accounts of natural variations and have different

Source: Benestad, R. E., *A new global set of downscaled temperature scenarios*, Journal of Climate, American Meteorological Society, 2011.