



EUCP: Overview of research towards a European Climate Prediction system

Professor Jason A. Lowe EUCP Science convenor 29th May 2019



































A busy year for national climate projections



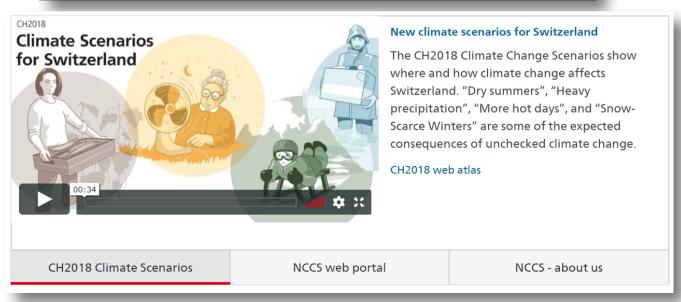
Met Office Hadley Centre

Headline result:

"a greater chance of warmer, wetter winters and hotter, drier summers"





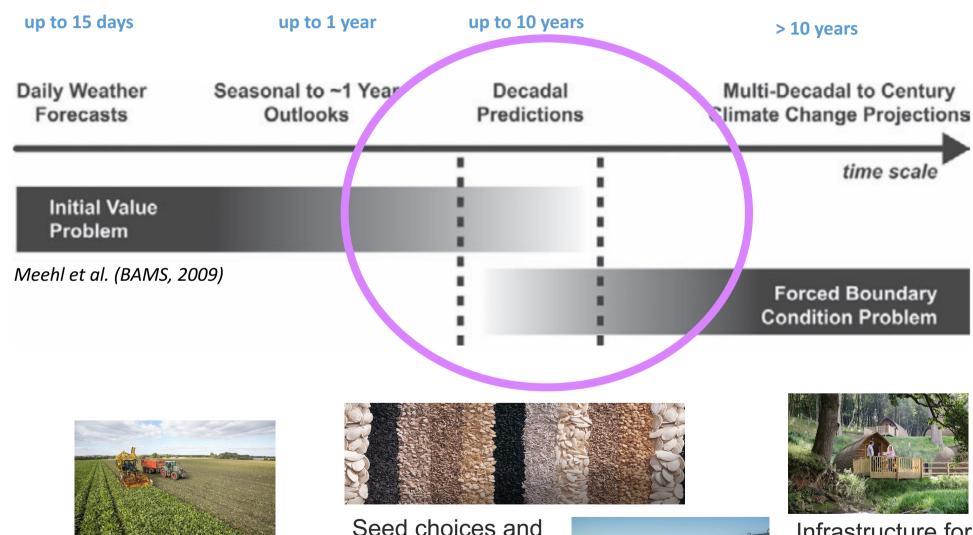


UKCP18 and CH2018 both launched in November 2018



1. Towards a seamless near-term European climate prediction system





Planting and harvesting dates

Seed choices and new varieties

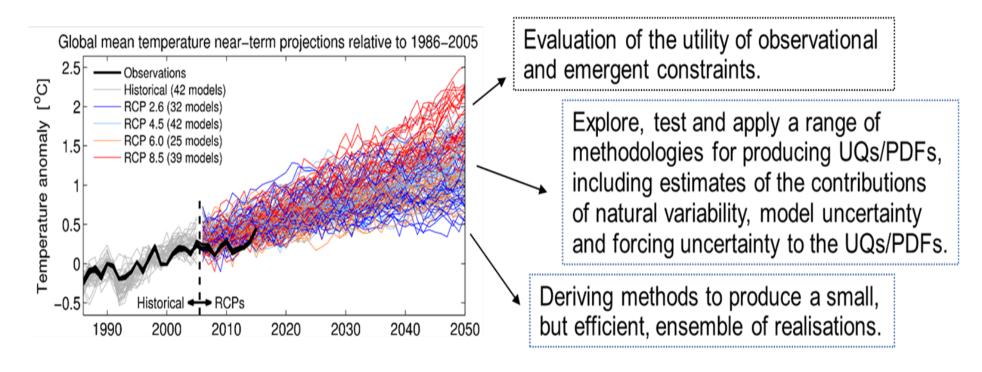


Infrastructure for the future and business diversification

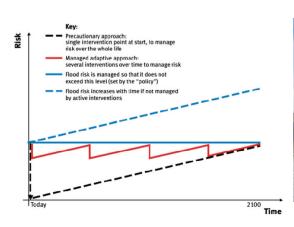


2. Beyond one model-one vote on the 10-40+ year time-scale





Enabling better long-term adaptation planning





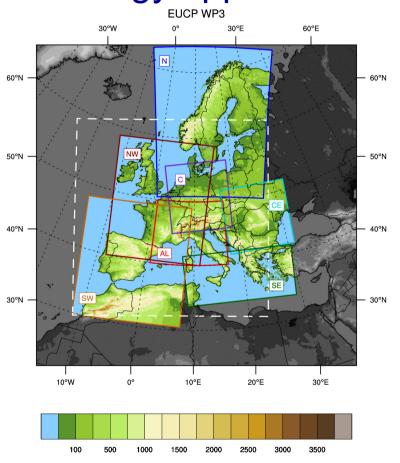




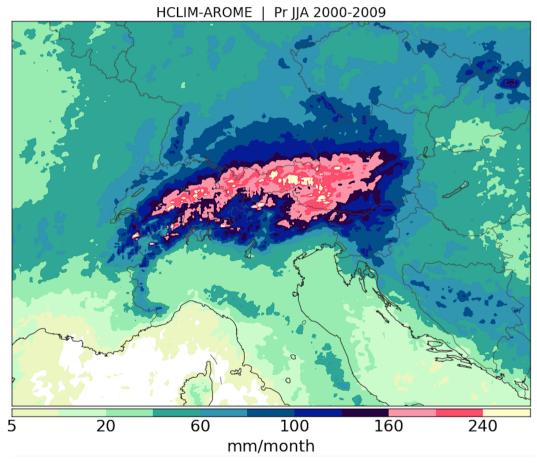
3. The first pan-European convective permitting model simulations



Domain and simulation strategy approved



Example from ERA-Interim driven runs



Enabling better simulation of weather and climate extremes