

Future directions for km-scale climate modelling at the Met Office

Chris Short, Met Office

This talk summarises recent developments in, and future plans for, three frontiers research activities in convection-permitting climate modelling currently being explored at the Met Office. These are: (i) adding coupling to the ocean/waves in regional climate simulations, (ii) development of global km-scale climate simulations, and (iii) using machine-learning techniques to augment convection-permitting models.