

Decadal Prediction experimental design - Tim Stockdale

An outline of the decadal prediction proposal emanating from the September 2007 WGCM meeting is given. By way of introduction, several possibly relevant lessons from seasonal prediction are summarized: initializing coupled models close to observations is OK; creating suitable initial states needs some care; model errors dominate forecast performance; and the discipline of past prediction is a good test of models and their expected future performance. The proposal itself is summarized as a combination of 2 separate objectives, which can be best and most efficiently addressed within a unified framework for decadal and short-term climate prediction.