

WCRP (1980- date) Objectives

1. To determine the predictability of climate
2. To determine the effect of human activities on climate

WCRP 2005-15 Strategy *Filling out, updating & extending this strategy*

Coordinated Observation & Prediction of the Earth System (COPES)

Aim: To *facilitate* prediction of climate/earth system variability & change for use in an increasing range of practical applications of direct relevance, benefit and value to society

Drivers: food, water, floods, health – regional & decadal - adaptation;
information for UNFCCC – also century & rapid changes - mitigation

Structure: Core projects + observations & assimilation panel, modelling panel

Specific Objectives, e.g. seasonal/interannual prediction

Collaboration: THORPEX, IGBP , observational bodies & agencies

Interaction with Users

Seamless

Revolution in predictive capability both necessary & possible

Coordination of climate change expts: decadal (50km AO), centennial (150km, ES)

Experimental global, few kms scale - raising many questions

Importance of drivers. Need to be seamless for end user; metrics to assess value