

T2 - Comments on Shukla's 10 points

- Is project a good word? Yes provided that length = 15 years min
- Is prediction a good word? Will people outside the field appreciate the difference from projection?
- Several timescales ought to be considered
- Seamless prediction and relationship to the NWP community - Facilitate climate model evaluation in NWP mode? Knowledge transfer
- Advancement of our understanding of the climate system must be integral to the activities

T2 - Summary of discussion

- Vision:
 - To provide a quantum leap in the exploration of the limits in our ability to reliably predict climate and to support the needs of society to make decisions.
- Key ingredients:
 - Focus on complementary activities that support existing national/regional efforts but cannot be carried out by individual centres (e.g., grand challenge (dream) simulations).
 - Major focus on demonstration (e.g., high resolution, uncertainty, increased complexity) rather than production (cf HGP) with the aim to stimulate scientific and technological advances throughout the community.
 - Much higher resolution in the major components as a fundamental prerequisite for a more realistic representation of the system and more relevant predictions (e.g., extremes, convection, tropical variability, ...)

T2 - Summary of discussion

- Key ingredients (ctd)
 - Support an enhanced effort in parametrization evaluation and development
 - Confrontation with observations -> T4
 - Excitement
 - Good science questions, e.g., identifying and tackling “road blocks”
 - Success
 - Measuring it
 - Anticipating it - (Resolution -> Tropical prediction improvements)
- Governance
 - By national and international institutions (e.g., WCRP, WWRP, IGBP, National centre 1,...)
 - At least partially proposal based research

T2 - Summary of discussion

- Other things we were not meant to consider!
 - People (e.g., young scientists, staff poaching, attractiveness of modeling?)
 - Data archiving and retrieval; Diagnostics (e.g., observation simulators)