WCRP Modeling Advisory Council

16 July, Beijing

Introduction
Welcome!

• Thanks for joining WMAC!
• We hope you will enjoy your tenure!
• Let’s start this experience is an open-minded spirit for the benefit of all!
Mission & Objectives

World Climate Research Programme supports climate-related decision making and adaptation planning by coordinating research required to improve (1) climate predictions and (2) understanding of human influence on climate for use in an increasing range of practical applications of direct relevance, benefit and value to society.

• The Interdisciplinary Nature of Climate Science
  – Atmosphere, Oceans and Climate
  – Cryosphere and Climate
  – Atmospheric Chemistry and Dynamics
  – Water, Energy and Climate

• Meeting the Information Needs of Society
Activities in Support of Key Deliverables
  – Decadal Variability, Predictability and Prediction
  – Sea-Level Variability and Change
  – Climate Extremes
  – Atmospheric Chemistry and Dynamics
  – Centennial Climate Change Projections
  – Seasonal Climate Prediction
  – Regional Climate

Activities in Support of WCRP Integrating Themes
  – Climate-Quality Data Sets and Analyses
  – A New Generation of Climate/Earth System Models
  – Next Generation of Climate Experts: Developing Capacity Regionally and Globally
How can WMAC make a difference?

- To promote seamless modeling and predictions, from subseasonal to centennial and from regional to global scales
- To push boundaries of ESM modeling across all domains
- To best exploit data for model initialization, verification and understanding of the Earth System
- To ensure adequate computing and monitoring resources are available for that purpose
- To better capture climate uncertainties and contributions for decision making
- ...
WMAC design

- Useful to the modeling community
- A platform for modeling dialogue
- Build synergies within and outside WCRP
- Research-oriented, end-user focused
Key factors of success

• Take ownership
• Forum for innovation
• Action oriented - measurable impact
• Whole more than the sum of the parts
Practical

- Dense agenda
- Reporting: JPS takes notes, we need your inputs and help – Google shared doc
- Presentations will be published on the Council web pages – unless we are told otherwise
- Reporting to the JSC on 17 July
- Your are welcome to attend the JSC