Strategic Plan and Implementation Plan
Timeline

- **April 2018**: Discussion of the SP
- **May 2018**: New version based on the JSC deliberations
- **Summer 2018**: Consultations with agencies and other stakeholders
- **End of 2018**: Final approval of the SP.
- **April 2018**: First general discussion of the implementation plan (IP) – Principles
- **2019-2020**: More specific discussions and conclusions
- **2020**: Open Science Conference to conclude GC activities and launch the “new WCRP”.
Vision and Mission

• Vision
   A world that uses relevant and authoritative climate science to ensure a resilient present and future for humankind and the planet.

• Mission
   The World Climate Research Programme (WCRP) develops, shares and applies climate knowledge that contributes to societal well-being by supporting international climate research.

   The Programme, working in partnership with many international initiatives, ensures the implementation of a climate research strategy on observation, analysis and prediction of climate system variability and change from weeks to century time scales and from local to global spatial scales.

• Change in political landscape (post COP21, etc.) needs to be clarified
Overarching Objectives of WRCP

O-1. Understanding the climate system
Identify and constrain processes that affect the climate system, notably the reservoirs and flows of energy and water – and other essential elements including carbon, aerosols, salt and other climate-active species/compounds – within and between the components of the Earth system.

O-2. Advance predictive skill on sub-decadal timescales
Quantify the uncertainties and enhance the prediction skill for shorter time scales of the climate system and its components.

O-3. Constraining projections on decadal to centennial timescales
Quantify the sensitivities, uncertainties and emergent constraints inherent in the chang-
Research Emphases of WCRP

The Changing Sun

Physical System:
- CO₂, H₂O, Energy,
- Processes,
- Land Management,
- Variability,
- Weather Extremes,
- Global Change

The Earth System

The Earth System

Human Impact on Climate

Analyzes the Climate System

Informs Society

Impact of Climate on Society

Weather and Climate Services
- Policy
- Partnership
- Building
- Scientific Community

Global Climate Change

Regional Climate Change

Past – Present – Future

Biogeochemical Cycles: CH₄, N₂O, ozone, aerosols, feedbacks
Imperatives

Section in good shape:
Some editorial adaptations
Implementation Plan
Implementation Plan

- The WCRP Mission, Objectives and Imperatives
  - (Key points in the strategic plan with more specific details)
- The Structure of WCRP to address the strategic objectives
  - How will WCRP address its strategic goals
  - Managing the transition to a new structure
- The role of the different WCRP entities and partnerships to reach stated WCRP’s goals
- Developing Partnerships
- Implementation Schedule
  - Gant Chart
  - Milestones
  - Deliverables
Implementation Plan

- Impacts of Activities
- Links to stakeholders and service organizations
- Measures of Success: Performance indicators
- Risks and contingencies
- Support Functions (including support offices)
- Governance (Sponsors, JSC, Governing Board, JPS)
- Resources, budgets and management of finances
Present Situation

- 4 Core Projects
- 2 additional projects (CORDEX and CMIP)
- Many Working Groups (WGs)
- 7 Grand Challenges (GC)
- No real sunset close except for the GC.
- JSC
- JPS
- Core Project Offices
Present Situation

• **Advantages**
  • The Core Projects carry a long history of the research, involve a large community and are known by the funding agencies.
  • The Grand Challenges are “engaging platforms” with allow focused and accelerated science of societal relevance.

• **Disadvantages**
  • The structure of WCRP lacks coherence and clarity. Many duplications. Difficulty in providing a holistic view.
  • The structure is not anymore aligned with the evolving strategic vision and is not anymore adapted to the new “political”agenda (e.g., post-cop-21, sustainability goals).
Principles for the Future Structure of WCRP

• Aligned with our strategic plan.
• Allows fast and measurable progress towards our strategic goals.
• Engage scientific community as well as other stakeholders
• Includes “core” (long-term) and more targeted (short-term) aspects.
• Has a clear definition of milestones and deliverables, review mechanisms and known sunsets
• Is open to partnerships, diversity
• Recognizes the need for support (offices, financial)
Questions for the Break-out Sessions

• What should be the principles around which the new structure should be established?
• What should be the balance between core and more targeted (short-term) activities?
• How should the structure facilitate the development of partnerships?
• How should we facilitate coordination between the different elements of the WCRP program?
• How do we manage the transition towards a new structure and ensure the support of the community and support agencies?