

# **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-

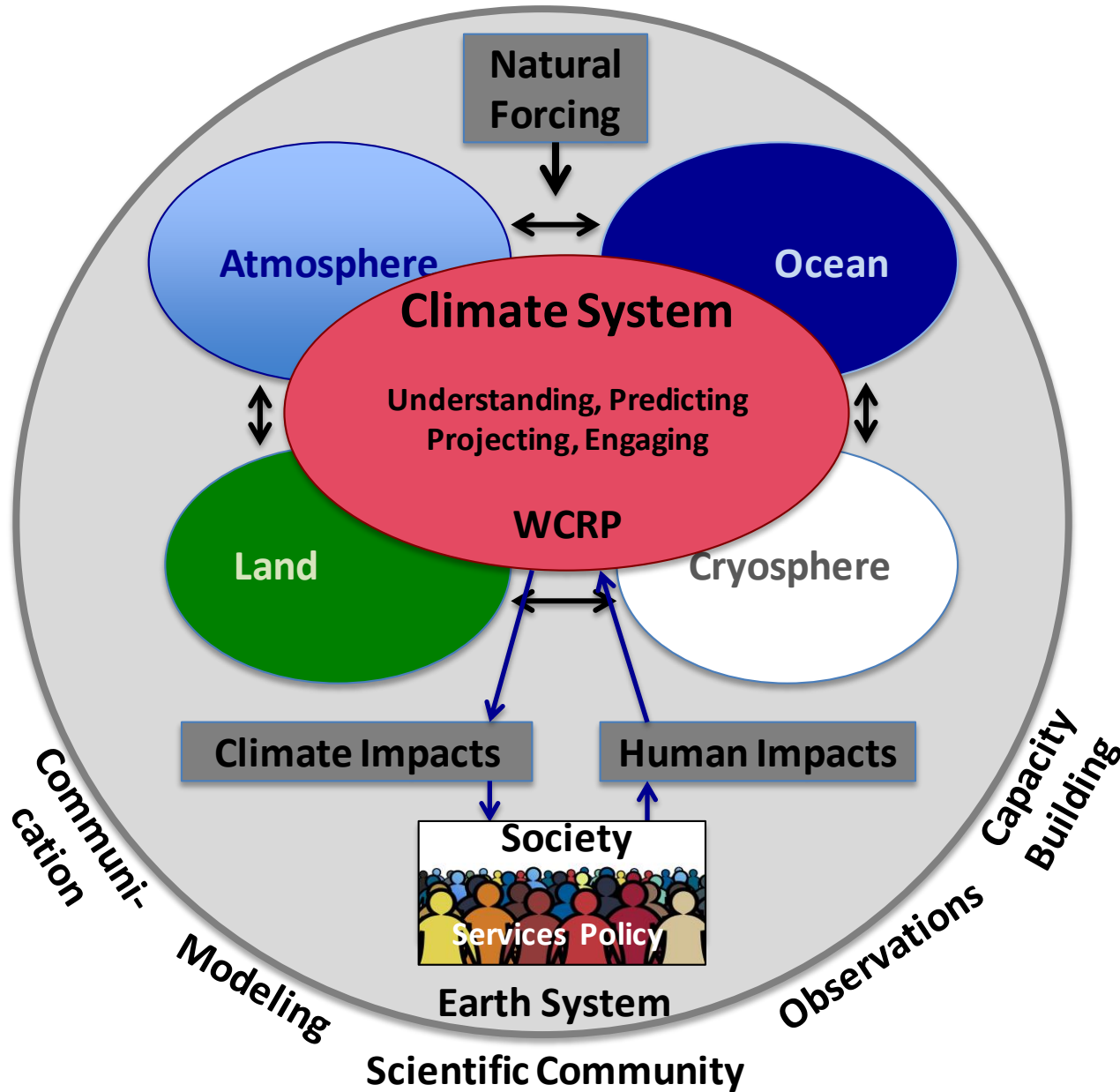
## O-4. Connecting climate science with policy and services

Improve the generation of decision relevant climate information and knowledge about the evolving Earth system.

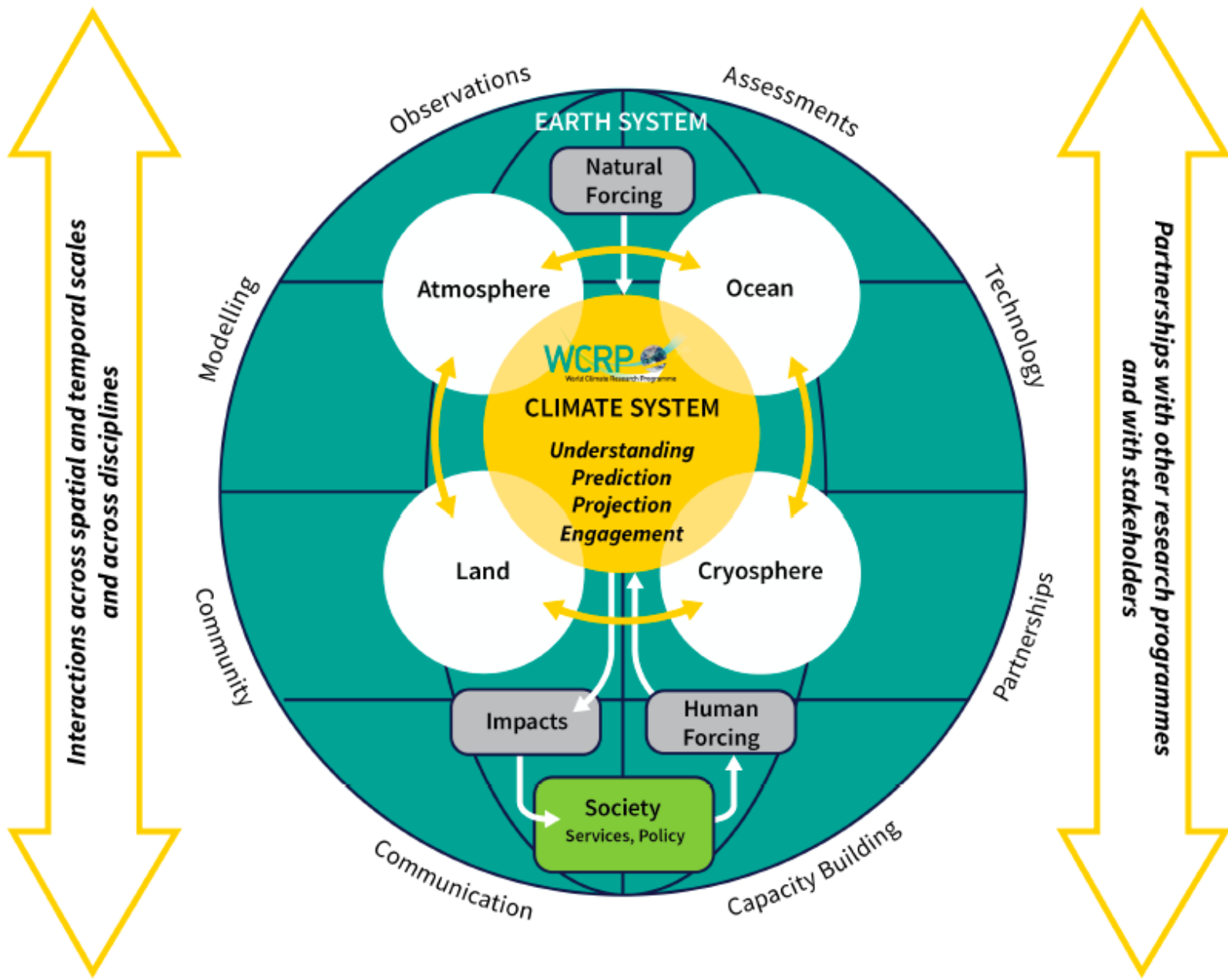
Has been updated...

# Emphases

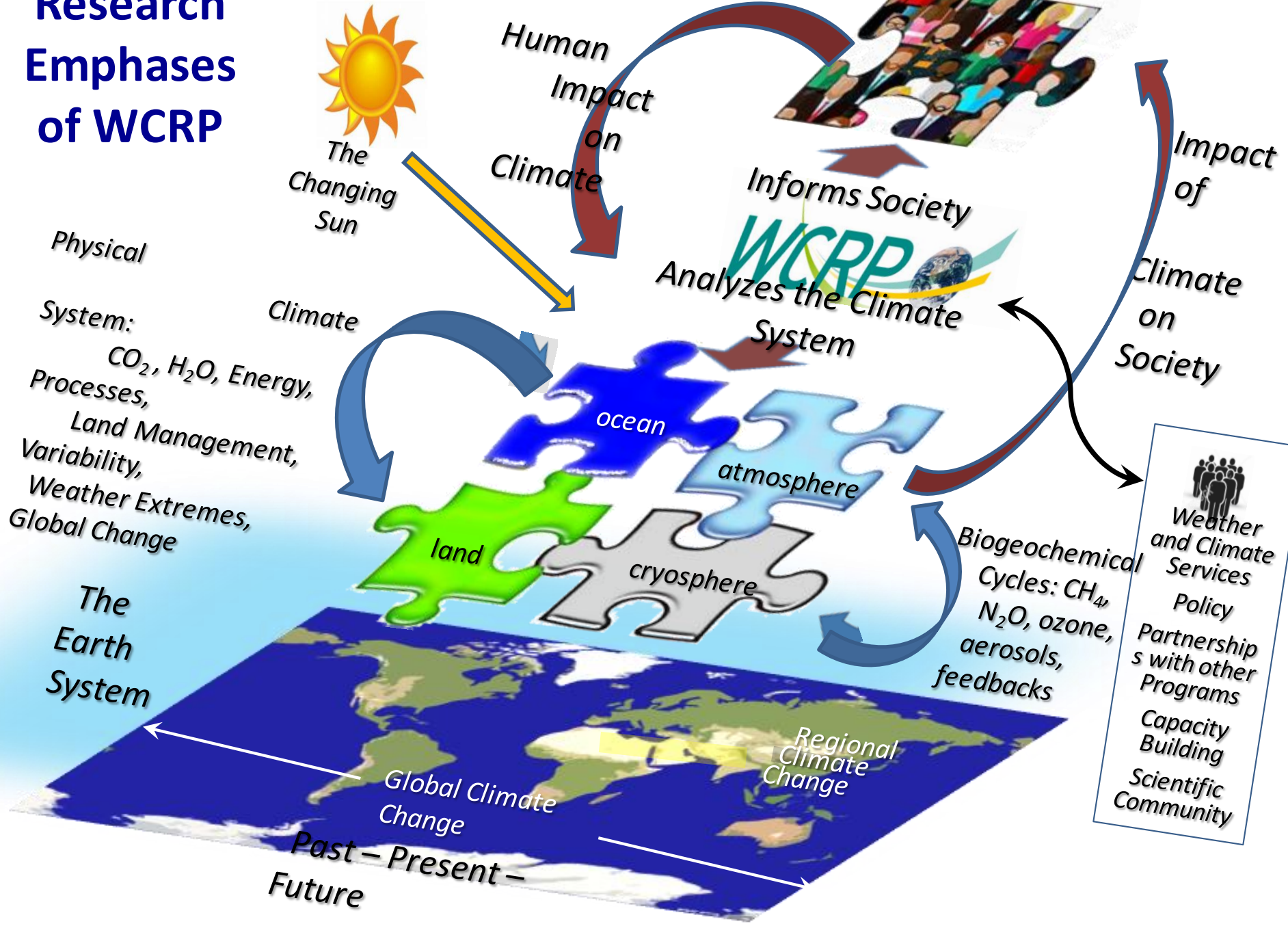
Interactions across spatial and temporal scales  
and across disciplines



Partnerships with other research programs  
and with stakeholders



# Research Emphases of WCRP



# 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**

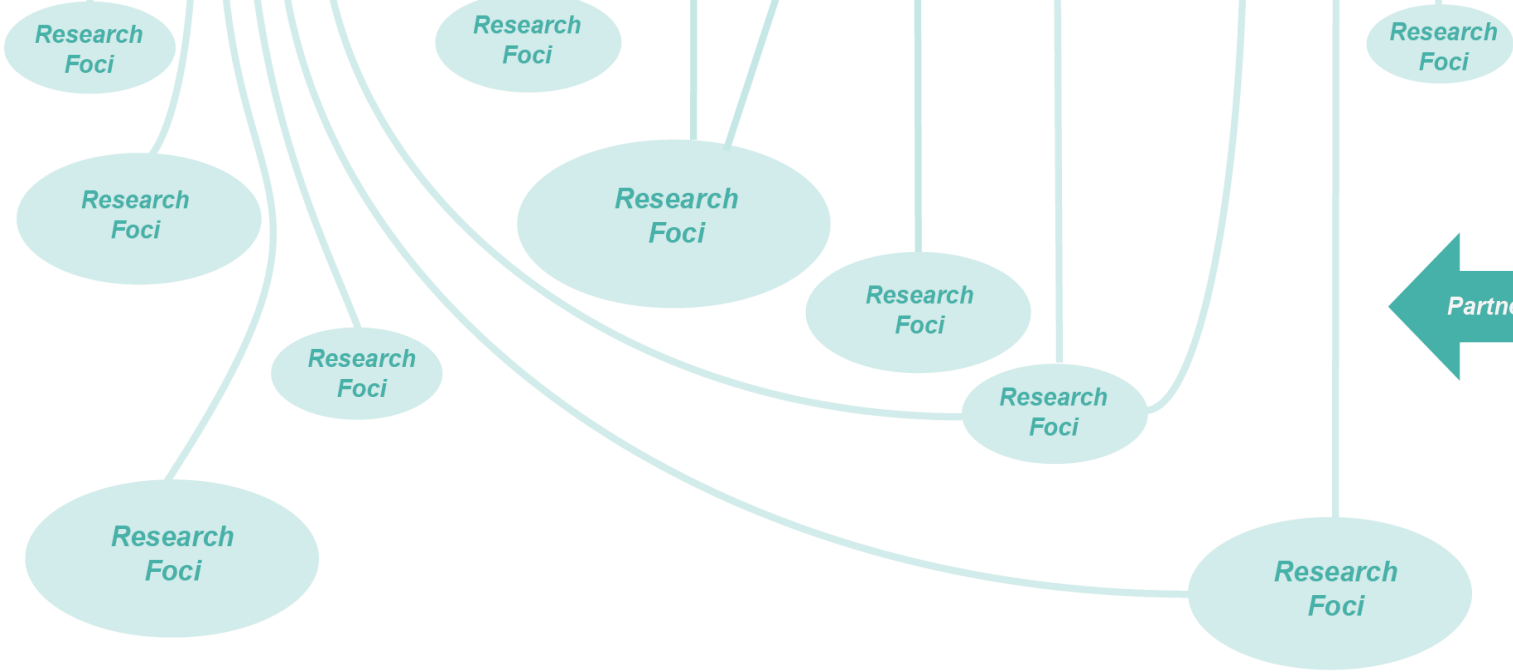
- The structure of WCRP lacks coherence and clarity. Many duplications. Difficulty in providing a holistic view.
- The structure is not anymore aligned with the evolving strategic vision and is not anymore adapted to the new “political” agenda (e.g., post-cop-21, sustainability goals).

# 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)

# Core Projects

Research Foci



Infrastructure

Partnerships

# 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?