

## WORLD CLIMATE RESEARCH PROGRAMME

Update on strategy and implementation

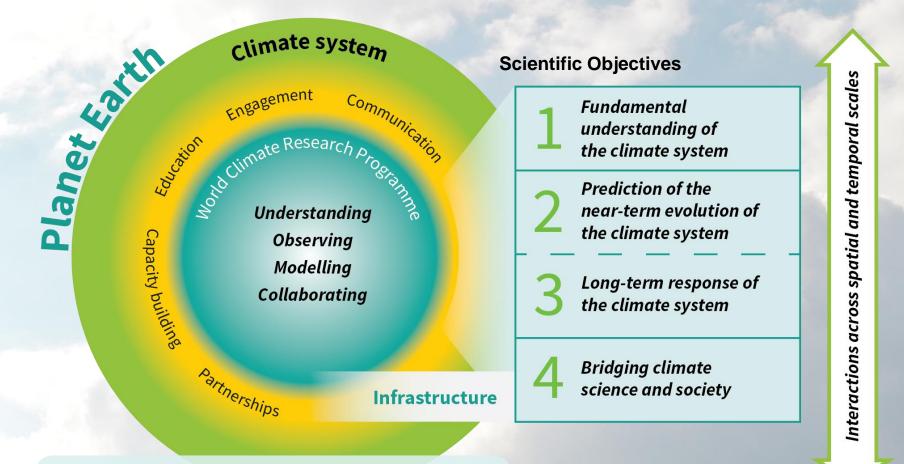
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International

### WCRP Strategic Plan: Overview



- A hierarchy of simulation tools
- Sustained observations and reference data sets
- Need for open access
- High-end computing and data management

www.wcrp-climate.org/wcrp-sp

## First Draft of a New WCRP Structure

### Joint Scientific Committee

### WCRP Secretariat

Lighthouse Activities Major experiments, high visibility projects, infrastructure building blocks Ambitious and exciting

### **International Offices**

#### WCRP Communities Enduring Capabilities, Homes for Expertise

- Climate and Cryosphere
- Climate and Ocean Variability, Predictability and Change
- Global Energy and Water Exchanges
- Stratosphere-troposphere Processes And their Role in Climate
- Earth System Modelling and Observational Capabilities (new)
- Regional Climate Information for Societies (new)



## **Proposed Lighthouse Activities**

Earth System Change	To design, and take major steps toward delivery of, an integrated capability for quantitative observation, explanation, early warning and prediction of Earth System Change on global and regional scales, with a focus on multi-annual to decadal timescales.
My Climate Risk	To develop a new framework for assessing and explaining regional climate risk to deliver climate information that is meaningful at the local scale.
Safe Landing Climates	To explore the routes to climate-safe landing 'spaces' for human and natural systems, on multi-decadal to centennial timescales; connecting climate, Earth system and socio-economic sciences. Explore present-to-future "pathways" for achievement of key SDGs.
Digital Earths	To develop a digital and dynamic representation of the Earth system, optimally blending models and observations, to enable an exploration of past, present and possible futures of the Earth system.
WCRP Academy	To establish one or more targeted capacity exchange climate programmes, working with one or more of the other lighthouses and established climate education providers, including universities.

## Soft Transition Timeline

JSC-41		JSC	C-42 JSC-43	
<ul> <li>Consultation on proposed WCRP structure and elements</li> <li>Assessment of all existing WCRP activities</li> </ul>	de pla • Liç Ac ini • Ol	ew "homes" ecided and in ace ghthouse tivities tiated d elements de out	<ul> <li>New WCRP structure in place</li> <li>Implementation plan written and continuously updated</li> </ul>	
2020 WCRP Extraordin Session Fall 2020		2021 Sunsetting WC activities	2022 CRP Grand Challenges and	

JSC-*n* = WCRP Joint Scientific Committee Sessions (meetings)

### Model-data home: current options

- 1. Model-data home includes CMIP with a dedicated Project Office TBD
- 2. CMIP broader (including S2S) framework serving as model-data home, building on CMIP Office call
   – so far only viable secretariat option - preferred
  - by most people so far
- 3. Model-data home with dedicated office separate from CMIP structure and office
- 4. Model-data home as a joint WMAC+WDAC governance without an office

Feedback and alternatives welcome!



### orld Climate Research Programme (WCRP)

# **Thank You**





