



WORLD CLIMATE RESEARCH PROGRAMME

“From Global to Coastal: Cultivating New Solutions and Partnerships for an Enhanced Ocean Observing System in a Decade of Accelerating Change”

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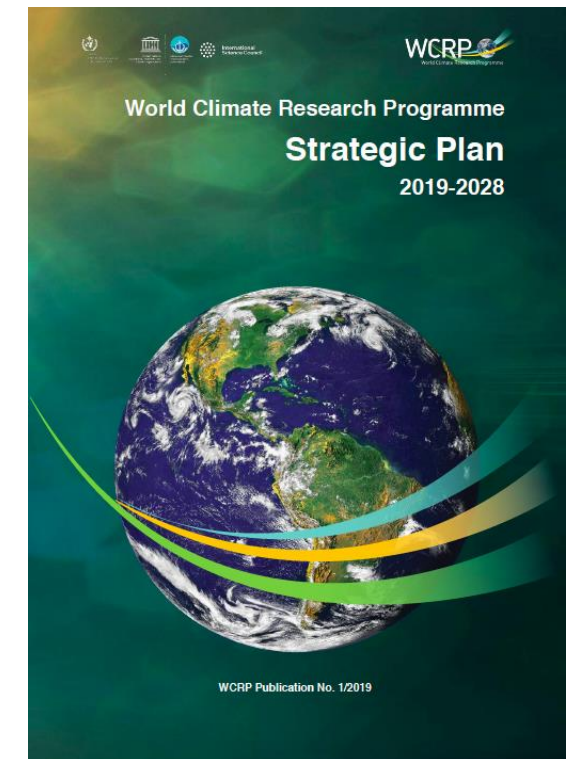
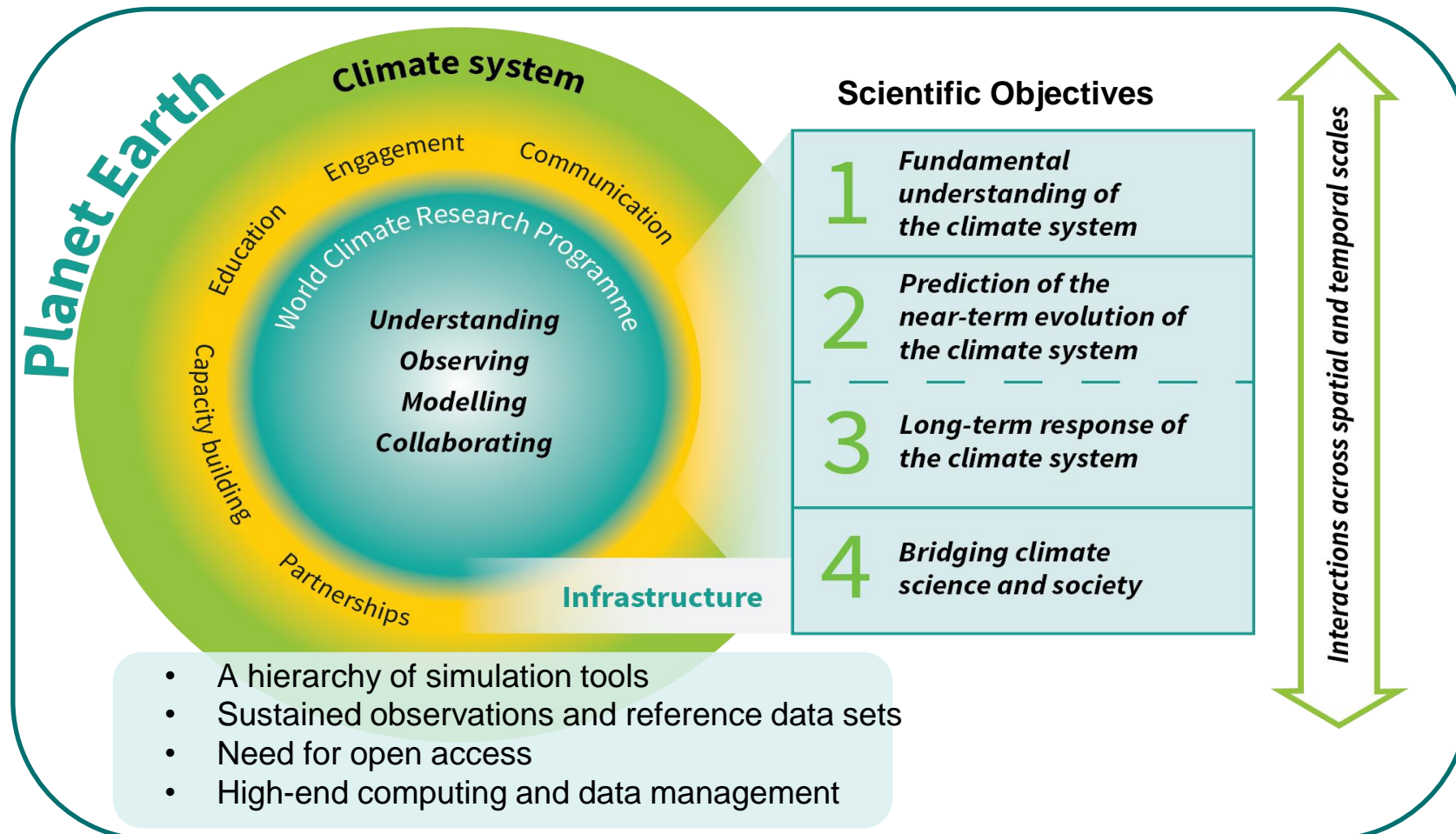


International
Science Council



A new WCRP Strategic Plan for this decade

WCRP's Mission (*purpose*) is to coordinate and facilitate international climate research to develop, share and apply the climate knowledge that contributes to societal well-being



WCRP Structure and Science

WCRP Structure



Joint Scientific Committee (JSC)

WCRP Secretariat

Lighthouse Activities

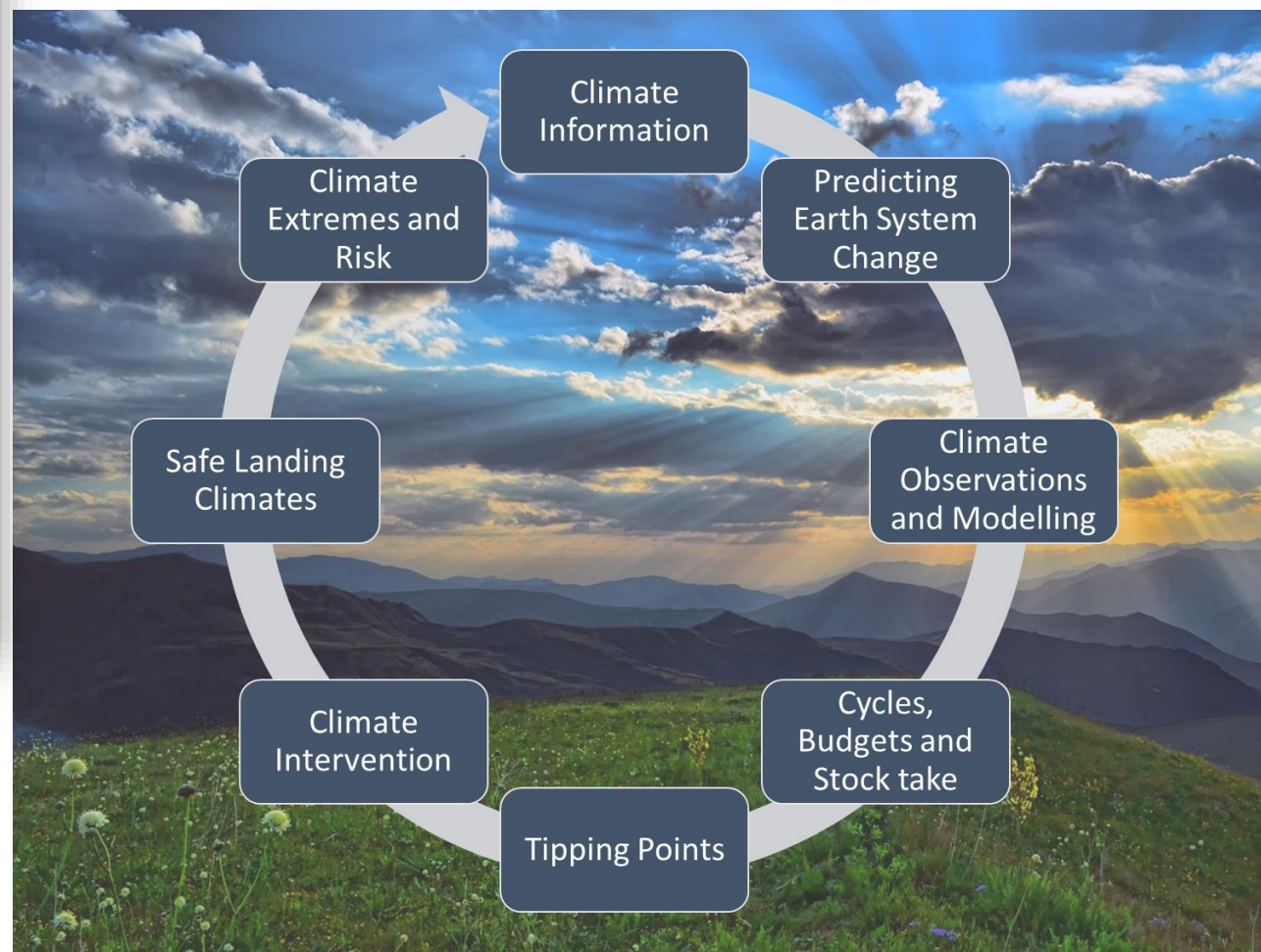
International Offices

Core Projects and Research Communities

- Climate and Cryosphere (Clic)
- Global Energy and Water Exchanges (GEWEX)
- Climate and Ocean Variability, Predictability and Change (CLIVAR)
- Stratosphere-troposphere Processes And their Role in Climate (SPARC)
- Earth System Modelling and Observations (ESMO)
- Regional Information for Society (Rifs)

Ongoing Activities and Forums

- Fixed-term projects
- Conferences and workshops
- Reference datasets, evaluations and benchmarking
- Diversity and capacity building: ECRs, regions
- Rapid updates, syntheses, assessments, gap analysis
- Communications and outreach



WCRP Lighthouse Activities

Major and new scientific approaches, technologies, and institutional frameworks required to meet society's need for robust and actionable climate information

My Climate Risk

Explaining and Predicting Earth System Change

Digital Earths

Safe Landing Climates

WCRP Academy



Design and deliver an integrated capability for observing, explaining and providing early warnings of Earth System Change - multi-annual to decadal timescales.

Digital, dynamic representation of the Earth system, blending models and observations to explore past present and future states.

New frameworks for assessing and explaining regional climate risk, so as to deliver climate information that is meaningful at local scales.

Explaining and Predicting Earth System Change

Digital Earths

My Climate Risk

WCRP Academy

Safe Landing Climates

Determine climate research education needs; build enabling mechanisms by working with WCRP core activities and education providers, incl. universities.

Routes to climate-safe landing 'spaces' for human and natural systems, multi-decadal to millennial timescales; connecting climate, Earth system, socio-economic sciences and pathways to SDGs
<https://www.wcrp-climate.org/lha-overview>

WCRP Open Science Conference 2023



**WORLD CLIMATE
RESEARCH PROGRAMME**
**OPEN SCIENCE
CONFERENCE**
23 - 27 OCT 2023 | RWANDA

Advancing climate science for a sustainable future

**An opportunity to celebrate our achievements and
launch the new WCRP and initiatives**

Meet with us in remarkable Rwanda in 2023.
We look forward to welcoming you, virtually or in-person, at
the Kigali Convention Centre.



<https://www.wcrp-climate.org/wcrp-osc23>