

WCRP Grand Challenge on Near-Term Climate Prediction

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WCRP Secretariat support:

Aims and Objectives

Bridge the gap between seasonal forecasting and IPCC-style century-scale climate projections

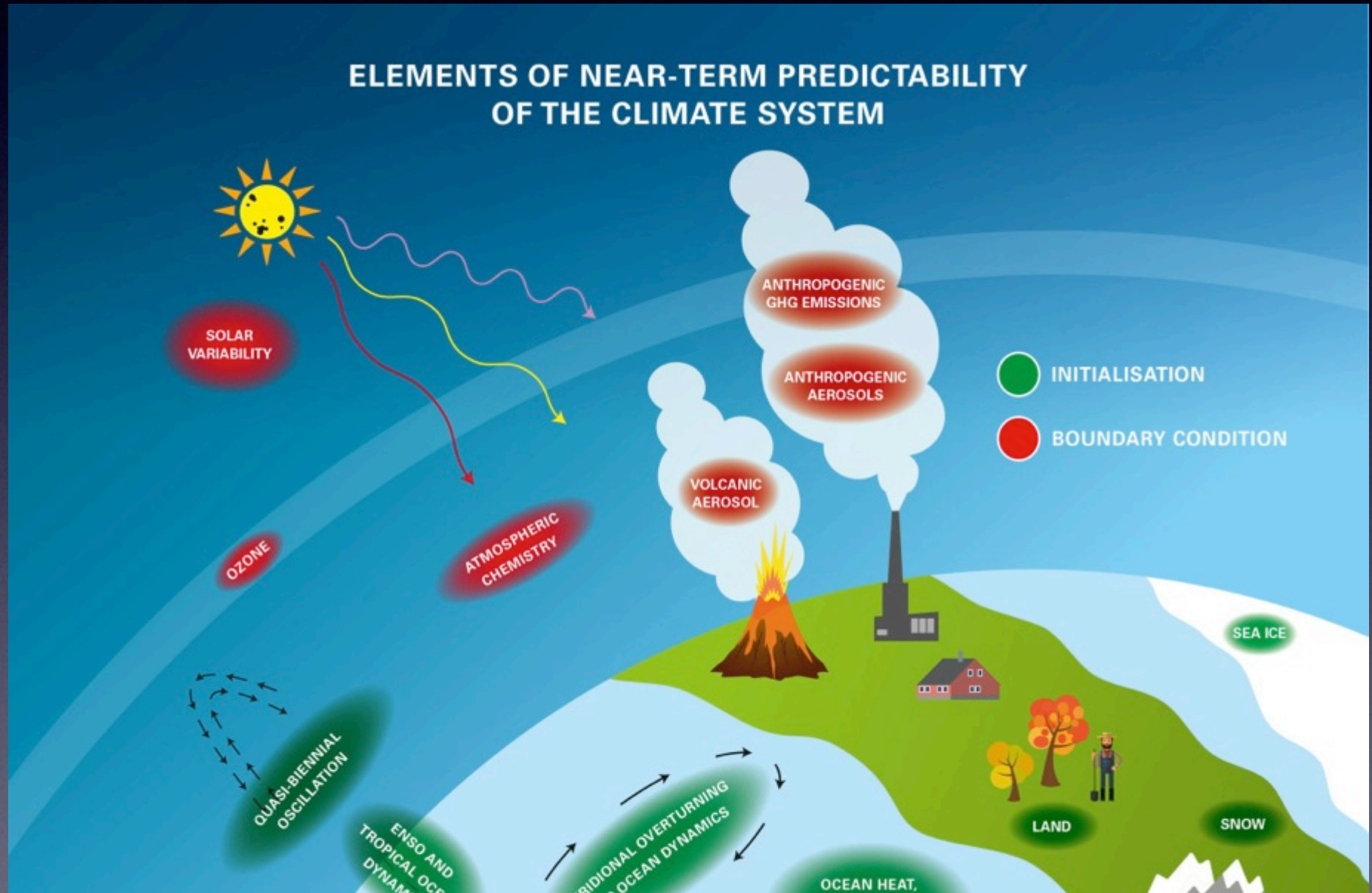
WCRP organized- team teleconferences every ~6 weeks to discuss pertinent issues & progress

Defined and agreed on four objectives for this Grand Challenge

- ▶ ***Promote & provide new knowledge of climate mechanism and climate forecasting systems***
- ▶ ***Produce standards, verification methods and guidance for near-term predictions***
- ▶ ***Promote & support the establishment of operational decadal predictions under WMO***

HIGHLIGHTS

raft white paper, led by co-chairs (Kushnir et al) with active contributions from the 17 members of the international team – to be submitted shortly:



Early success and planned activities

- Worked to get the idea of a **WMO Lead Centre for near-term climate prediction (LC-NTCP)** and **Global Producing Centres for Near Term Climate Predictions** endorsed and criteria included in the GDPFS manual, WMO call for GPC applications to be issued soon (late Nov)
- Established the content of a “**Global Annual to Decadal Climate Update**” with input from the CBS/CCI Expert Team and GFCS (Global Framework for Climate Services)
- Coordinating the collection of real-time decadal prediction
- GC-NTCP support to UNFCCC Global Stocktake process and input to the IPCC 1.5° special report

'Global Annual to Decadal Climate Update'

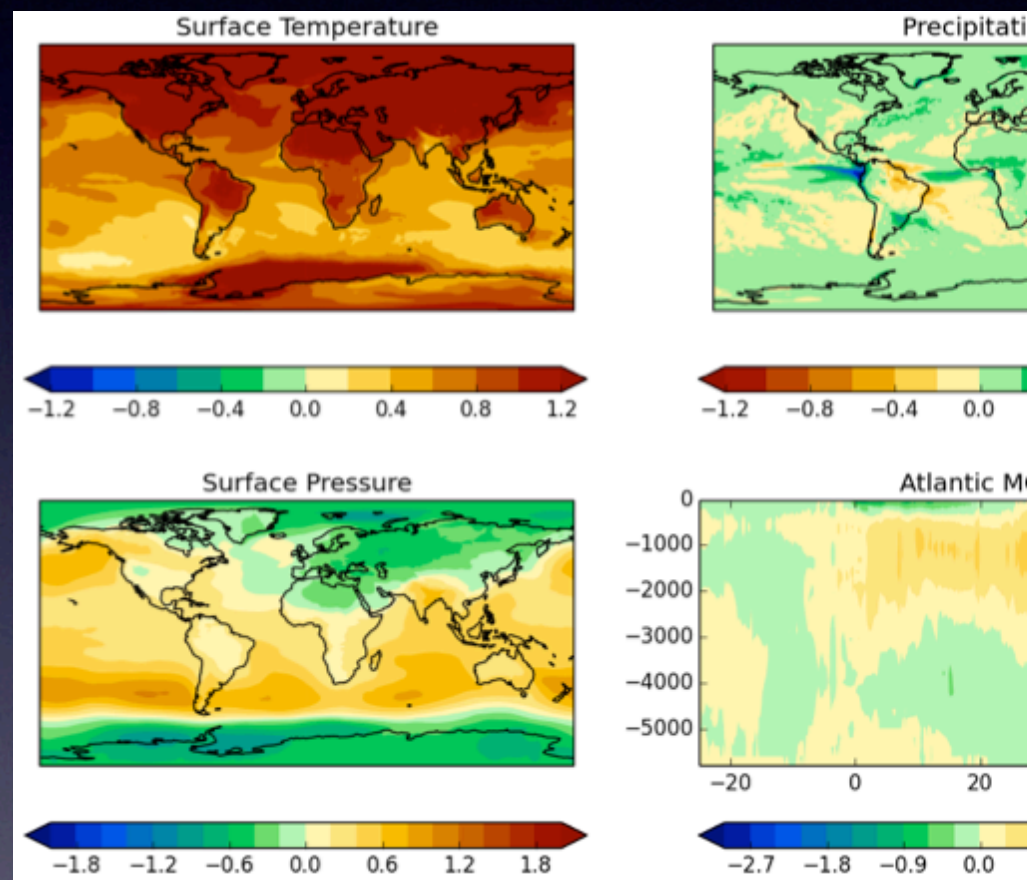
page executive summary

current observations

indices: global SAT, AMV,
AMOC, PDV, etc.

aps: Multi-model mean
SAT, precip, SLP, etc.
Year 1, 1-5, ...

skill: verification of
previous forecasts



Partners for GC Implementation



- 19 international members of the group; CLIVAR and SPARC core projects, with membership from CLIVAR and GEWEX, as well as CORDEX



- Expert team members/liaisons from the CBS/CCI Expert Team (ET-OPSLs), GFCS and other relevant WMO departments.