

# OCP-2: Workshop Concept and Expected Outcomes

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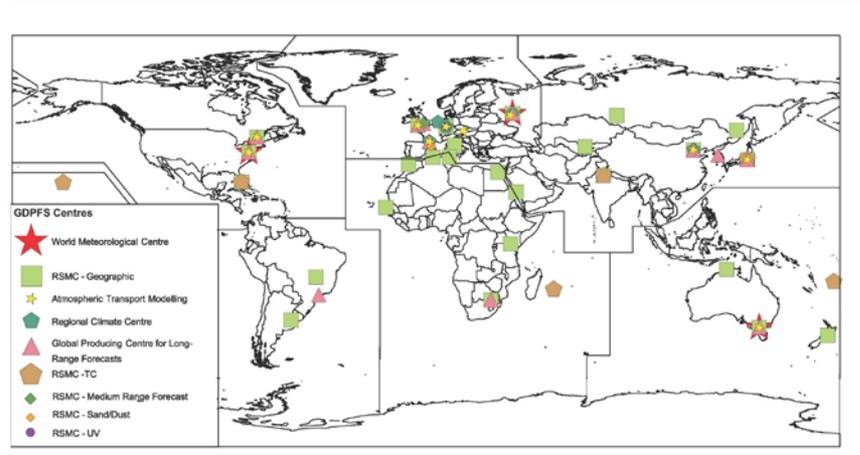
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# OCP-2 : The Concept (1)

- There are three facets of Operational Climate Prediction:

## 1. Operational infrastructure for long-range prediction (LRF)



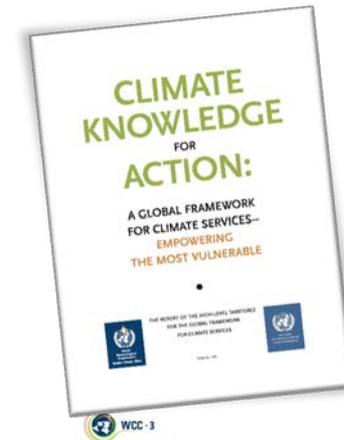
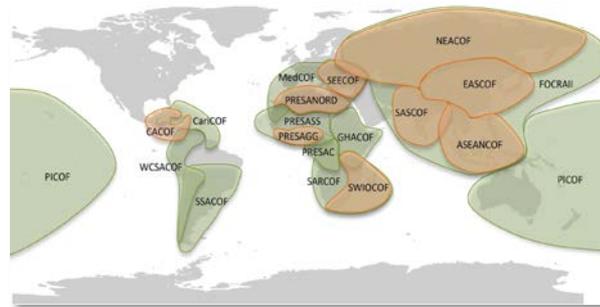
# Operational infrastructure for long-range prediction (within WMO)

- Global Producing Centers for Long-Range Forecast (GPC-LRF)
- Lead-Center for Long-Range Forecast Multi-Model Ensemble (LC-LRFMME)
- Lead-Center for Standardized Verification System of Long-Range Forecasts (LC-SVSLRF)
- Global Producing Centers for Annual to Decadal Climate Prediction (GPC-ADCP)
- Lead-Center for Annual to Decadal Climate Prediction (LC-ADCP)
- The technical regulations to facilitate exchange of meteorological analysis and forecast products are governed by the Commission for Basic Systems (CBS) and its Global Data Processing and Forecast System (GDPFS) Manual



# OCP-2 : The Concept (2)

- There are three facets of Operational Climate Prediction:
  1. Operational infrastructure for long-range prediction (LRF)
  2. Delivering “Climate Services”



# Delivering Climate Services



- Global Framework for Climate Services (GFCS): Provides a worldwide mechanism for coordinated actions to enhance the quality, quantity and application of climate services.
- Climate Serviced Information System (CSIS): Is the component of the GFCS concerned with the generation and dissemination of climate information. CSIS is the “operational core” of the GFCS.
- Evolution of the CSIS is guided by the Implementation Coordination Team on CSIS (ICT-CSIS) under the Commission of Climatology (CCI)

## OCP-2 : The Concept (3)

- There are three facets of Operational Climate Prediction:
  1. Operational infrastructure for long-range prediction (LRF)
  2. Delivering “Climate Services”
  3. Research to support further advances

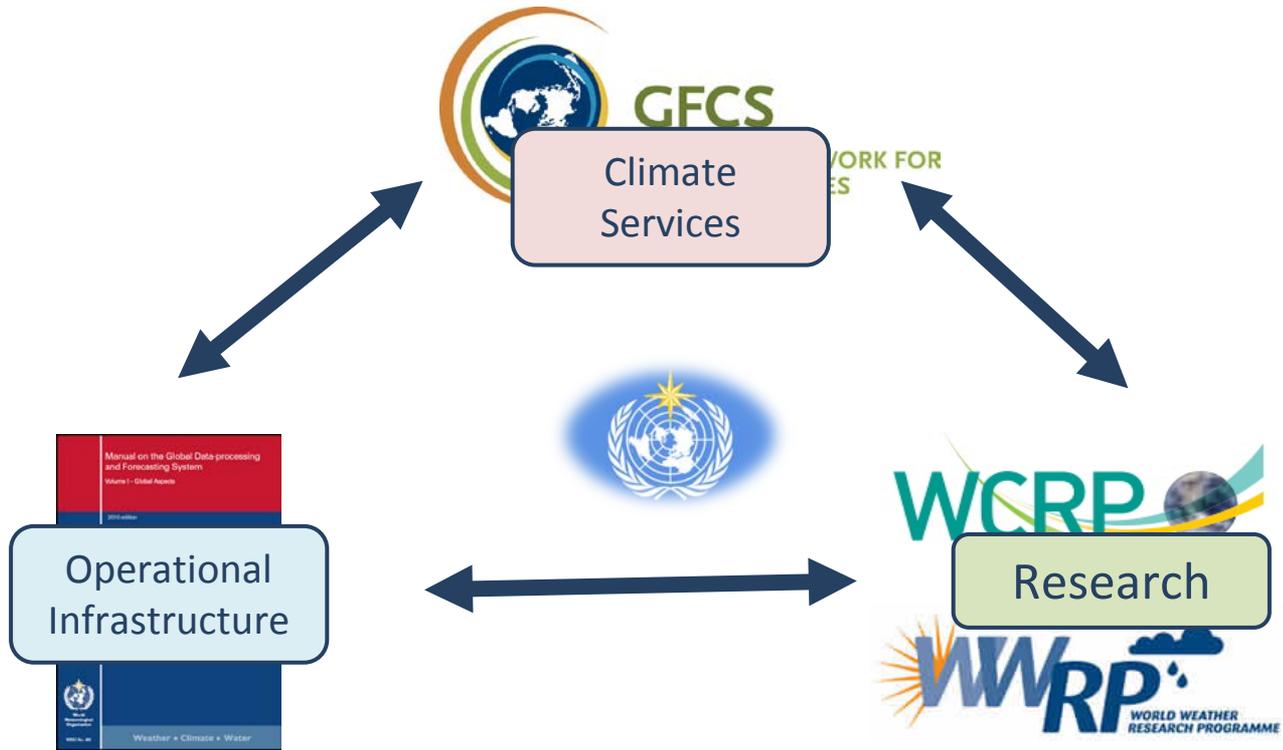
# Research to support further advances

- Working Group on Subseasonal to Interdecadal Prediction (WGSIP)
  - A component of the World Climate Research Programme (WCRP)
- Subseasonal to Seasonal (S2S) Project
  - A joint effort between WCRP and WWRP (World Weather Research Programme)



## OCP-2 : The Concept (4)

- The goal of the workshop is to
  1. Bring three communities together...
  2. ...Towards advancing communication and coordination among them...
  3. ...so as to better understand the gaps, needs and factors that will enable improved coordination.



- To advance and to promote better coordination among the three facets of “operational climate prediction”...
- ...under the leadership of the CCI, WMO initiated a workshop series on **Operational Climate Prediction**, to serve as a platform for **operational, services and research communities** to share experiences, to review the progress in the operational practices and scientific studies.
- The first Workshop in this series was held in Pune, India, 9-11 November 2015.
- *...and we are here for the 2<sup>nd</sup> workshop!*



# Structure of the workshop

- Overview of long-range forecast infrastructure and current practices
- Operations and Research linkages
- What makes long-range prediction possible – Predictability
- Product development practices
- Climate information delivery and communication
- Building capacity to advance climate services
  
- Breakout sessions

# Workshop outcomes (1)

- Promote best practices for developing climate outlooks and their delivery
  - Cascading forecast structure
    - Global (GPCs, LCs)
    - Regional (RCCs, RCOFs)
    - National (NMHSs)
  - Develop a guidance document to provide best practices for developing climate outlooks at regional and national level
  - Conceive some pilot demonstration projects to put “best practices” in action

## Workshop outcomes (2)

- Identify pathways for operations and research interactions
  - What enabling mechanisms are required
  - Develop some demonstration projects connecting “O” and “R”
- Summarize the outcomes of the workshop in a position paper (to be promoted at the Subseasonal-to-Decadal Workshop in Boulder, September 2018)

*Thank you*