

WCRP

World Climate Research Programme



CORDEX South-Asia Kick-off meeting

**25-26 February 2012
Pune, IITM**

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ICSU
International Council for Science

Mission & Objectives

World Climate Research Programme supports **climate related decision making** and **adaptation planning** by coordinating research required to improve:

- (1) climate predictions and
- (2) understanding of human influence on climate

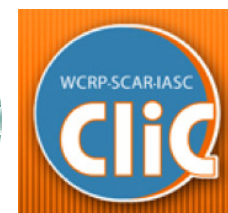
“for use in an increasing range of practical applications of direct relevance, benefit and value to society”

(WCRP Strategic Framework 2005-2015).



Interdisciplinary Climate Science and core projects

- Atmosphere, Oceans and Climate: CLIVAR
- Cryosphere and Climate : CLIC
- Atmospheric Chemistry and Dynamics: SPARC
- Water, Energy and Climate: GEWEX



Needs of Society and key deliverables

- Decadal Variability, Predictability and Prediction
- Sea-Level Variability and Change
- Climate Extremes
- Centennial Climate Change Projections
- Seasonal to interannual Climate Prediction
- Sub-seasonal to seasonal Predictions
- **Regional Climate Science and information**



Integrating Themes

- Climate-Quality Data Sets and Analyses
- A New Generation of Climate/Earth System Models
- Next Generation of Climate Experts: **Developing Capacity Regionally** and Globally

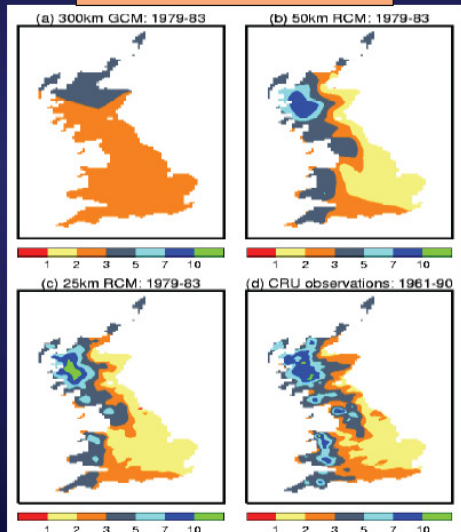
**WCRP
IMPLEMENTATION
PLAN 2010-2015**

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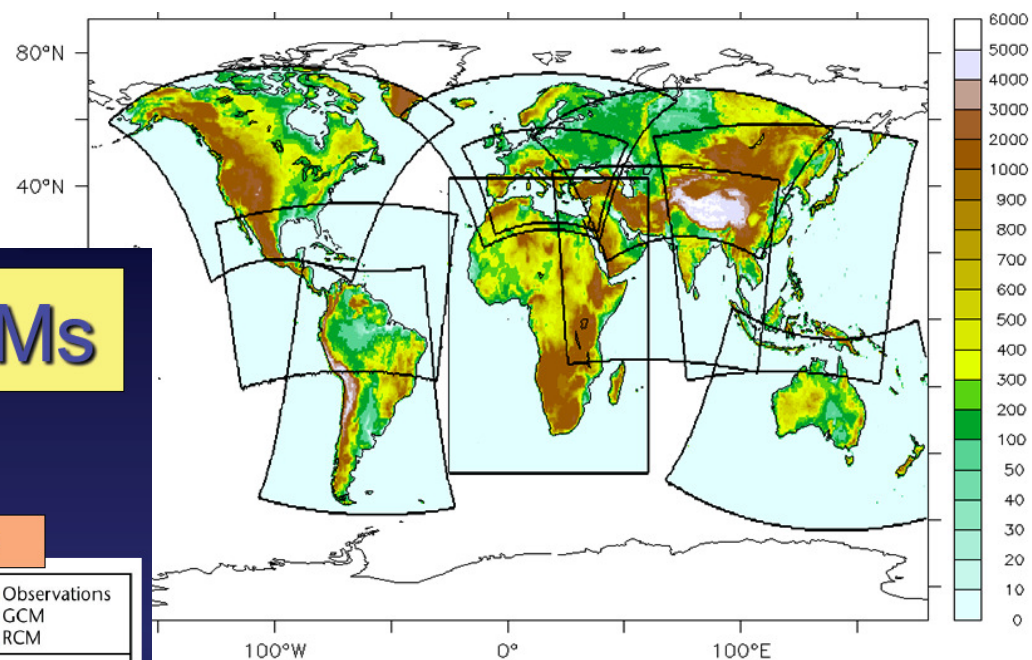
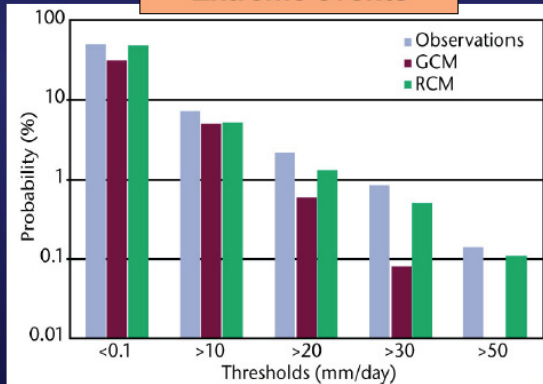
CORDEX Regional downscaling

The added value of RCMs

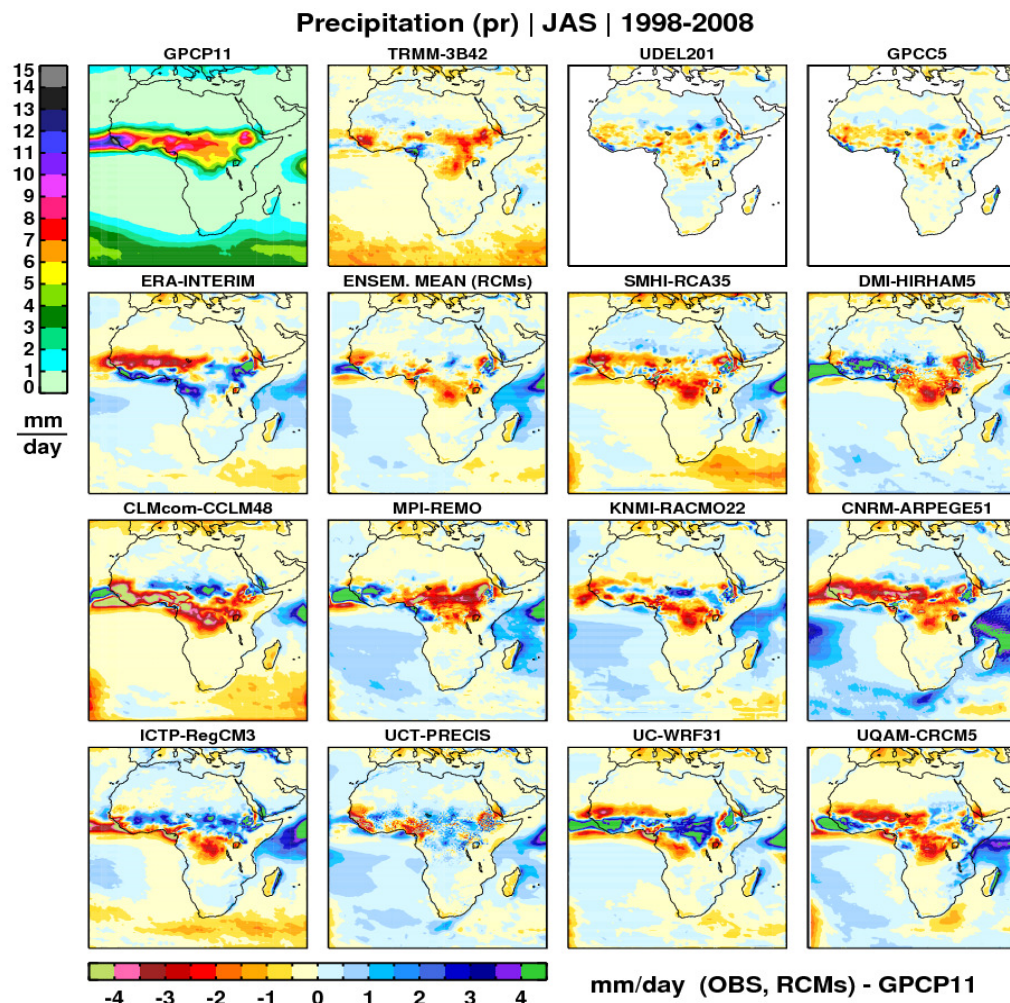
Topographic forcing



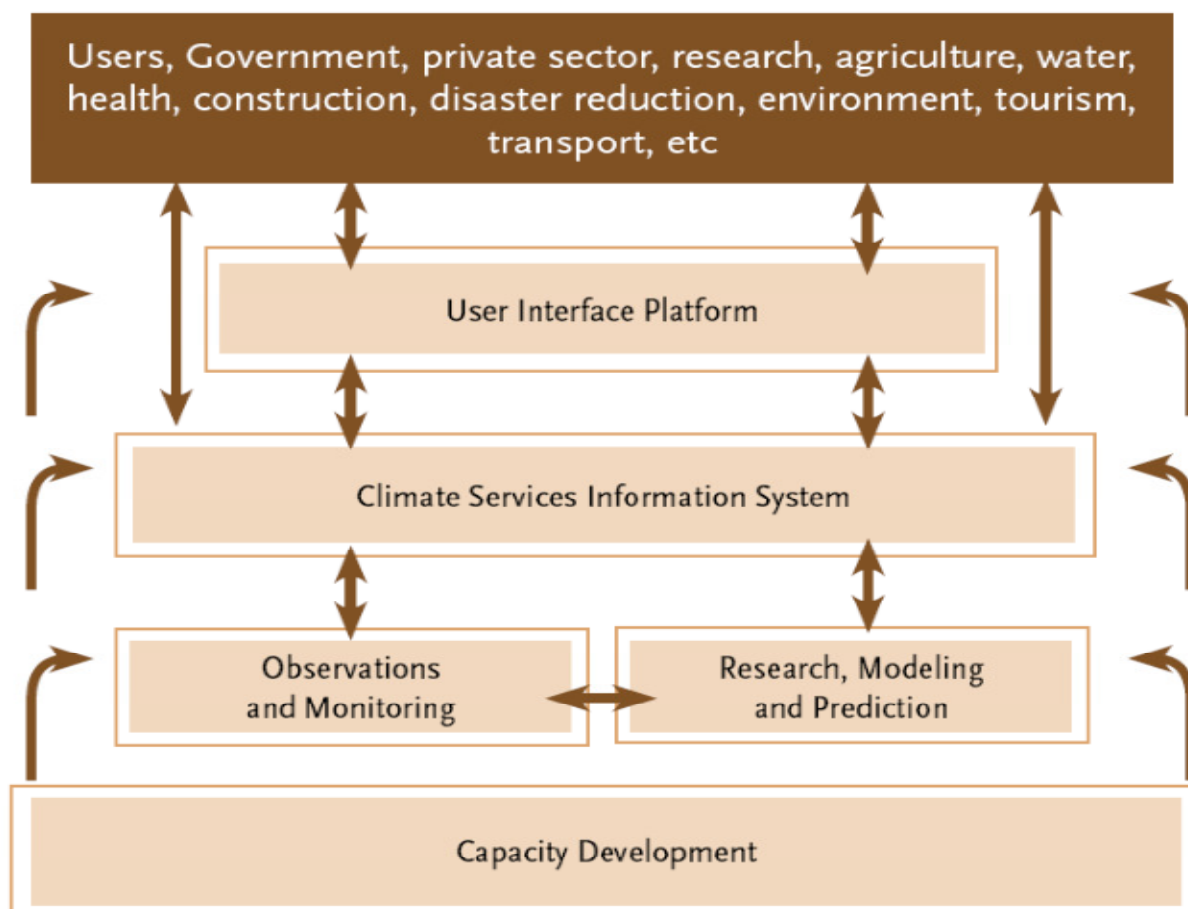
Extreme events



Multi-model ensembles



Global Framework for Climate Services



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Congratulations!



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Thank you for your attention!

Thanks to IITM for the support and for
hosting the meeting!

Thanks to Dr. Goswami, Dr. Krishnan
& team!