Asia Regional Resilience to a Changing Climate (ARRCC) Programme & The Met Office Partnership (MOP)

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September, 2018
“Changing global climates will impact all our lives, but can have deadly consequences for the world’s poorest people. By improving the use of forecasting information such as early-warning systems, and sharing the UK Met Office’s world-leading expertise, we can help governments and communities prepare for these shocks, so fewer lives are lost each year to extreme weather.”

ARRCC Launch Themes

➢ New technologies and innovations to deliver climate information and advice to vulnerable groups
➢ Regional and sub-regional forecasting and early warning systems
➢ Improved access for 30 million people to climate information, services and early warning systems
➢ Three regional bodies to deliver seasonal and long-term climate projections and analysis
➢ The mobilisation of additional resources for building climate and environmental resilience.
ARRCC Overview

➢ Four year Programme, starting in September 2018
➢ The Programme will deliver new technologies and innovative approaches to help vulnerable communities use weather warnings and forecasts to better prepare for climate-related shocks
➢ Regional but focusing on Afghanistan, Pakistan, Nepal and Bangladesh
➢ India also viewed as having a pivotal role as regional hub
➢ Application of climate information services rather than research
➢ Across all timescales (weather, seasonal, climate)
➢ £23.5m DFID funding through Met Office (£12m), World Bank (£10m) & M&E (tbc)
## Work Packages & Timescale

### MOP Headline Aims

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| WP1 Enabler Weather       | Enhance capability in delivering impact based & sustainable weather services     | • Designed to complement each other  
• Work at a national scale but with a regional emphasis  
• Designed to produce feasible results in yr1 but also set foundations for yrs 2-4 | • Launch at WMOP/WB Geneva workshop (Sept)  
• WP Inception workshop on IBF (Jan)  
• Visits to NMHS to review, assess and support capacity and capability  
• Identification of pilots for regional and sub-regional forecasting and early warning systems for development in years 2-4  
• Link with NGO’s and DRR agencies  
• Identification of pilots for regional and sub-regional for EWS in years 2-4 |  |
| WP2 SCIPSA Seasonal       | Support, develop & improve the delivery & use of seasonal services to end users  |                                                                                       | • Support and develop ARRCC ideas at SASCOF13 (Sri Lanka), Sept/Oct & support and enhance Summer SASCOF (India)  
• Improve access to global data (portal, linking into regional climate hubs)  
• Development of seasonal forecasting pilots and products |  |
| WP3 CARISSA Climate       | Improve the utility of regional climate information to mitigate against future climate risks |                                                                                       | • Workshops with NMHS’, modelling centres & intermediary’s  
• Utilise CORDEX derived climate change information to specific sectors  
• Report on how to improve uptake and test during yrs 2-4  
• Scientist exchange and capacity building |  |
| WP4 Value Socio Economic Benefit | Ensure that the value that can be generated through ARRCC is effectively pursued and implemented | • Cross cutting WP and links to the programmes Monitoring and Evaluation need | • Regional reviews and engagement  
• Development of benefits framework  
• Application of WMO guidance & development of SEB case studies  
• Support to other WP’s |  |
Summary of ARRCC MOP Process

WP1 - IBF
Impact-based weather forecasts

WP2 - SCIPSA
Seasonal climate outlooks

WP3 - CARISSA
Future climate change projections

WP4 - VALUE
Strengthening knowledge on gaps & socio-economic value of services

Increasing resilience to weather and climate risks through enhanced regional coordination, capacity and tools for decision-driven weather and climate services

Co-production Process

Identify Actors & Build Partnerships

Evaluate

Monitor, knowledge exchange & learning

Co-explore need

Co-develop solution

Co-deliver solution

GLOBAL DATA

REGIONAL INFORMATION AND SERVICES

SCIENCE EXCHANGE AND CAPACITY DEVELOPMENT
Questions on ARRCC (MOP) Year 1

1. How do you feel you can best support/be involved with ARRCC?
2. What are your aspirations for regional delivery of weather and climate services?
3. What are your priorities for delivering weather & climate services?
4. What are your key critical gaps in delivering weather & climate services?
5. How could this be supported or addressed in the ARRCC programme?