The Third International Conference on Climate Services

December 4-6, 2013

Rishi Ram Sharma, PhD
Director General, Department of Hydrology and Meteorology, Nepal

PPCR Session: Linking Climate Services to Resilience Building
–The PPCR Experience

Pilot Country: Nepal

December 4, 2013

Project Context - Nepal – Building Resilience to Climate-relate Hazards Project

- Fourth vulnerable country due to climate change
- Hydro-meteorological networks are rather weak, mostly manual, offline, inadequate.
- Forecasting is subjective on daily basis, lack of numerical prediction, lack of sectorial climate services.
- Annually, more than 80% human and property loss is due to climate and climate extremes.
- Agrarian country (80% population and 35% GDP), productivity based on weather and climate.

Key Challenges and Lessons Learnt

- Increased financial sustainability of DHM operation.
- Increased accuracy and timeliness of weather forecast.
- Increased satisfaction of users with DHM services.
- Introduction of an Agricultural Management Information System.

- **Objective:** Increase government capacity to mitigate Climate-related hazards by improving the accuracy and timeliness of weather and flood forecasts, Warnings for climate vulnerable communities, Developing agricultural management information system services to help farmers mitigate climate-related production risks.

Practical Solutions Being Pursued by the Project

- Sub-component A. Institutional Strengthening, Capacity Building and Sustainability of DHM
- Sub-component B. Modernization of the observation networks and forecasting
- Sub-component C. Enhancement of the Service Delivery System of DHM
- Sub-component D. DHM climate and weather information for users in agriculture – Agriculture Management Information System