

Adaptation Day, 12 November 2006
COP 12/ MOP 2, Nairobi



Introduction to the project

- **Pilot adaptation project on development of information sharing system (ISS) to enhance coping capacities of communities in dealing with climate variability and change**

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Study highlights

- First pilot adaptation project
- Project duration: 3 years
- For consideration under the GEF window
- Focus areas: India and Pakistan



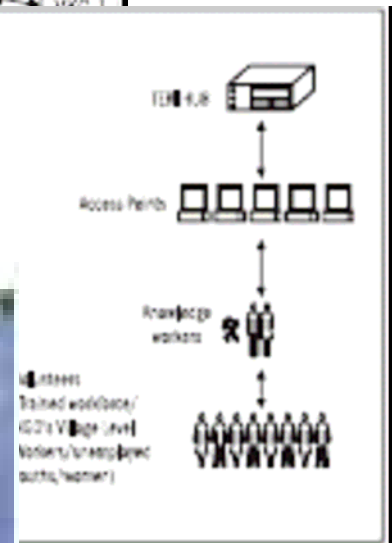
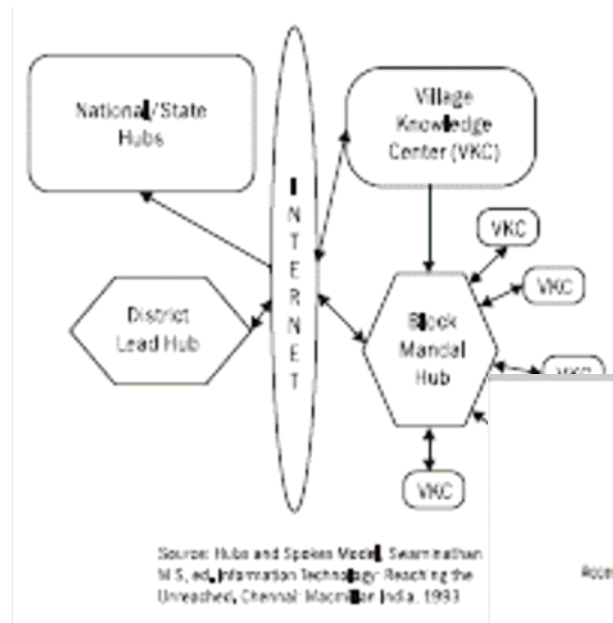
Overall goal and study objectives

- **Enhance the adaptive capacity of farming communities to cope with climate variability and long-term climate change**
- The project aims to
 - reduce farm-level risks to climate variability and exposure to extreme weather; and
 - use information technology as a tool to demonstrate collation of agri-climate information and its dissemination up to the farm level



Rationale of the study

- Knowledge about climate conditions vital factor enabling farming communities for advance decision-making to prevent loss
- Most information sharing systems are market oriented
- Limited access on crop and weather information and lack of integrated efforts

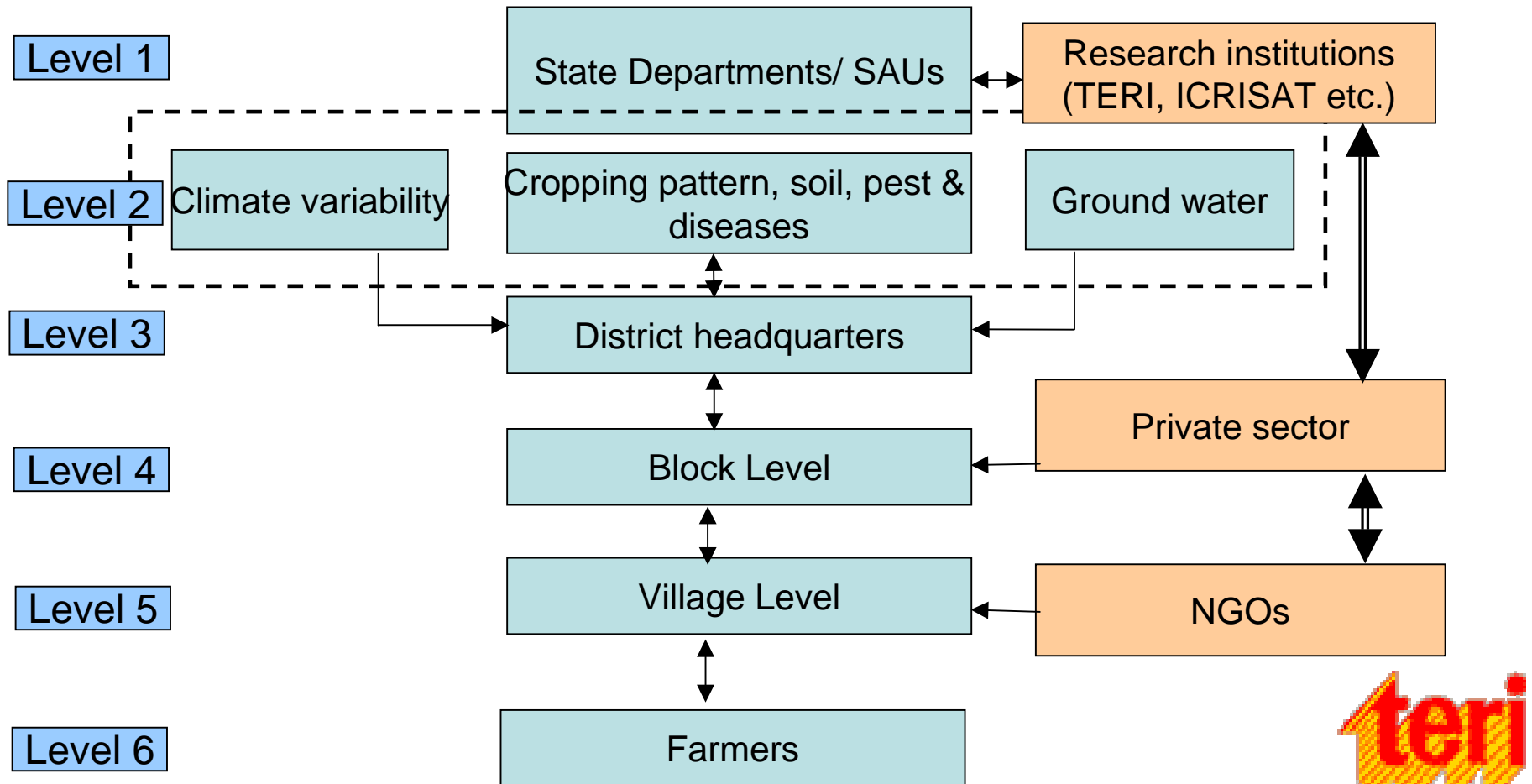


Activities planned

- **Examine current systems of information sharing and dissemination** up to the farm level
- **Identify gaps and lags in dissemination process**
- **Develop ISS using IT** for effective information dissemination up to the farm level
- Carry out surveys and need-based assessments of farmers and **integrate requirements**
- **Implement tool in coordination and assistance with local institutions and engagement of stakeholders**

Framework of action

The ISS attempts to integrate secondary level information collected from various institutions and ground-level information via interaction with farmers



Site selection

- Allahabad district in UP and Punjab Province in Pakistan
- Key highlights
 - Drought prone
 - Constitute major agrarian belt in the countries
 - Similar cropping patterns: wheat, rice, sugarcane
 - Contribute significantly to state share in GDP
 - Have significant agri-dependency ratios
- The use of ICT quite limited
 - Not effectively targeted for improving the communication channels for reducing risks and effective decision making at the farm level



Implementation strategy....(1)

- Participatory mode to be adopted
- Setting up of the system and Information updation at state council of agricultural research
- Transfer of front end information in local language to District HQ/ SAU/ Block/ KVKs
- Cluster approach for sharing of information to be followed
 - Village level hubs identified to facilitate information sharing and exchange for cluster of villages
- Agro-advisories based on integrated information taking climate, soil conditions, water availability, cropping pattern will be developed



Implementation strategy....(2)

- Other modes of dissemination
 - bulletins; press articles; telephone relay messages; e-mail; agri-extension services; commodity service providers; posters or leaflets will be explored
- Valued content creation to suit local needs. Information disseminated in vernacular language
- Women to be engaged actively
- Ownership by locals through participation of user-groups' actively in the process



Anticipated outcomes

- The project should reduce the vulnerability and enhance the resilience of farming communities to climate variability and change and reduce risks associated with exposure to extreme events

Project partners

- **Targeted funding**
 - Global Environment Facility and Special Climate Change Fund
- **Co-financers**
 - United Nations Environment Programme, British High Commission, Swiss Agency for Development and Cooperation, and Government of India
- **Research institutions**
 - TERI (The Energy and Resources Institute), India and GCISC (Global Change Impact Studies Centre), Pakistan
- **Scientific experts/consultants**
 - TERI, GCISC, Pakistan Meteorological Department, and State Agricultural Institutes/Universities
- **Planned networks**
 - International Crops Research Institute for the Semi-Arid Tropics, International Centre for Agricultural Research in Dry Areas, National Centre for Medium Range Weather Forecasting
- **Facilitating institutes**
 - Uttar Pradesh Council of Agricultural Research, Arid Agriculture University, Krishi Vigyan Kendra / Block Offices, Panchayats/Commodity Service Providers



Thank You

