

**OECD side event mainstreaming climate change in development  
cooperation, Montreal, 1<sup>st</sup> December 2005**

# **PRELIMINARY EXPERIENCES IN ADDRESSING BARRIERS FROM SDC'S PILOT INITIATIVES**

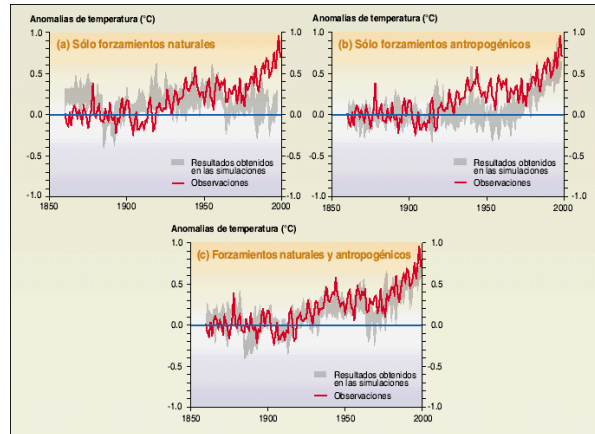
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# The challenge



To find appropriated methods and tools for linking  
Climate change knowledge, policy decisions  
(international and national) and knowledge/realities/coping strategies  
of farming communities

# SDC's engagement in linking Climate Change and Development

Integrating the 3 Rio conventions into development: SDC **internal capacity building &** portfolio of projects

- › UNDP-National Communication Support Programme: **Tools for mainstreaming such the “Adaptation Policy Framework”**
- › IUCN/IISD/SEI/InterCooperation: Development of a **community based risk screening tool livelihoods and adaptation** – CRYSTAL
- › India: Pilot projects in **Agriculture/Water sector: Enhancing coping capacity of local communities** in Andhra Pradesh and Rajasthan through policy support and adaptation technologies; **“Information sharing system” with UNEP-GEF North India and Pakistan;**
- › Platform for renewable energy promotion

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# Key issues for V&A assessments and its implementation at local level

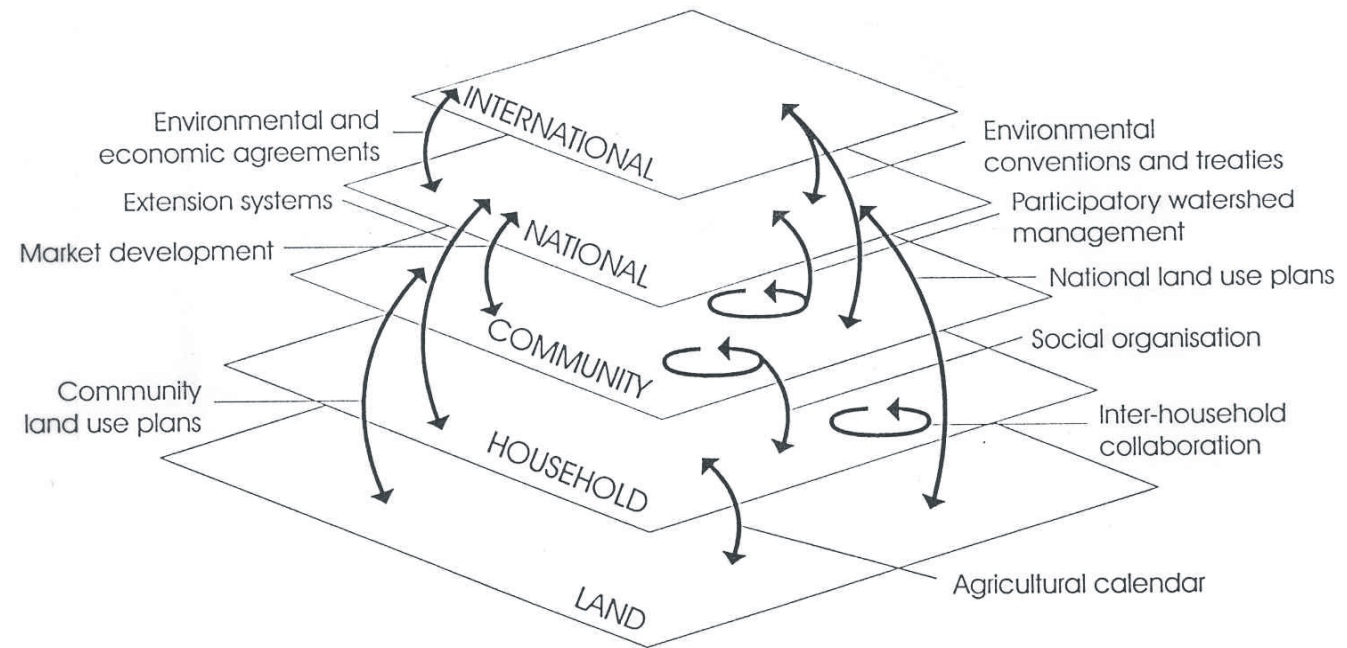
- What are appropriate methodologies?
- How to deal with the **scale problem**? Issues and terms change while moving from a country to a province/state to a village
- Prioritizing **short term adaptation measures** (such as ICT) to address climate variability; (while long term interventions requiring structural adaptation of the sector are being worked on.....)
- **Role of technologies and practices** to enhance adaptive capacity

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# SEGMENTATION IS A KEY ISSUES FOR LINKING



Intervention levels and activities in sustainable land management

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# Preliminary insights from SDC pilot project Andra Pradesh India







# Need for appropriate methodologies and tools

## Appropriate to the “scale” problem

- › Learn how communities are **exposed** to climate variability/change impacts and already do adapt
- › Support the process of decision-making at community and state level through **optimized delivery systems**

## Tools/template useful for “integrated assessments” based on incomplete information

How to deal with fuzziness in analysis due to **lack of appropriate time series of weather data** and many **other factors** influencing **livelihoods?**

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# Community-based Risk Screening Tool - Livelihoods & Adaptation **CRYSTAL - Purpose of the tool**

- › Enable users to assess a project's impact on community-level adaptive capacity
- › Assist users in making project adjustments to improve adaptation impact (planned, ongoing)
- › Serve as component of larger toolkit, or compendium of adaptation tools

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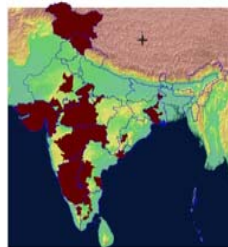
**IUCN**  
The World Conservation Union

**iisd** International  
Institute for  
Sustainable  
Development Institut  
international du  
développement  
durable

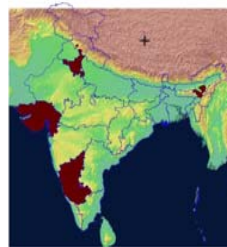
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# Drought situation in India between 1980 to 2002

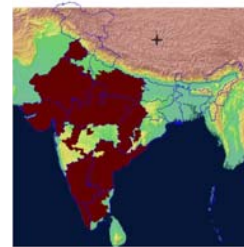
1985



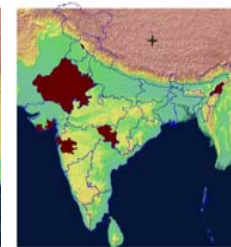
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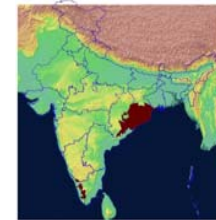
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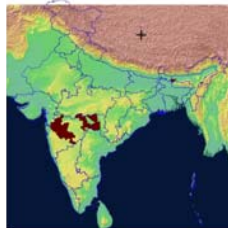
1988



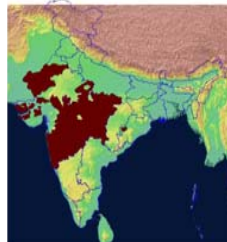
1989



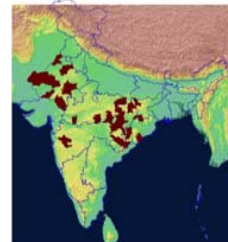
1991



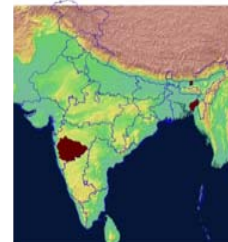
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1993



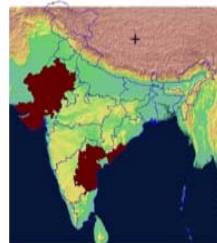
1995



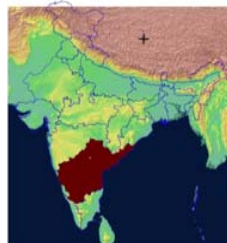
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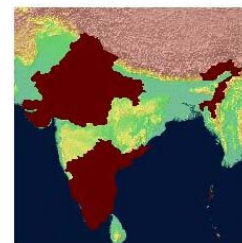
2000



2001



2002

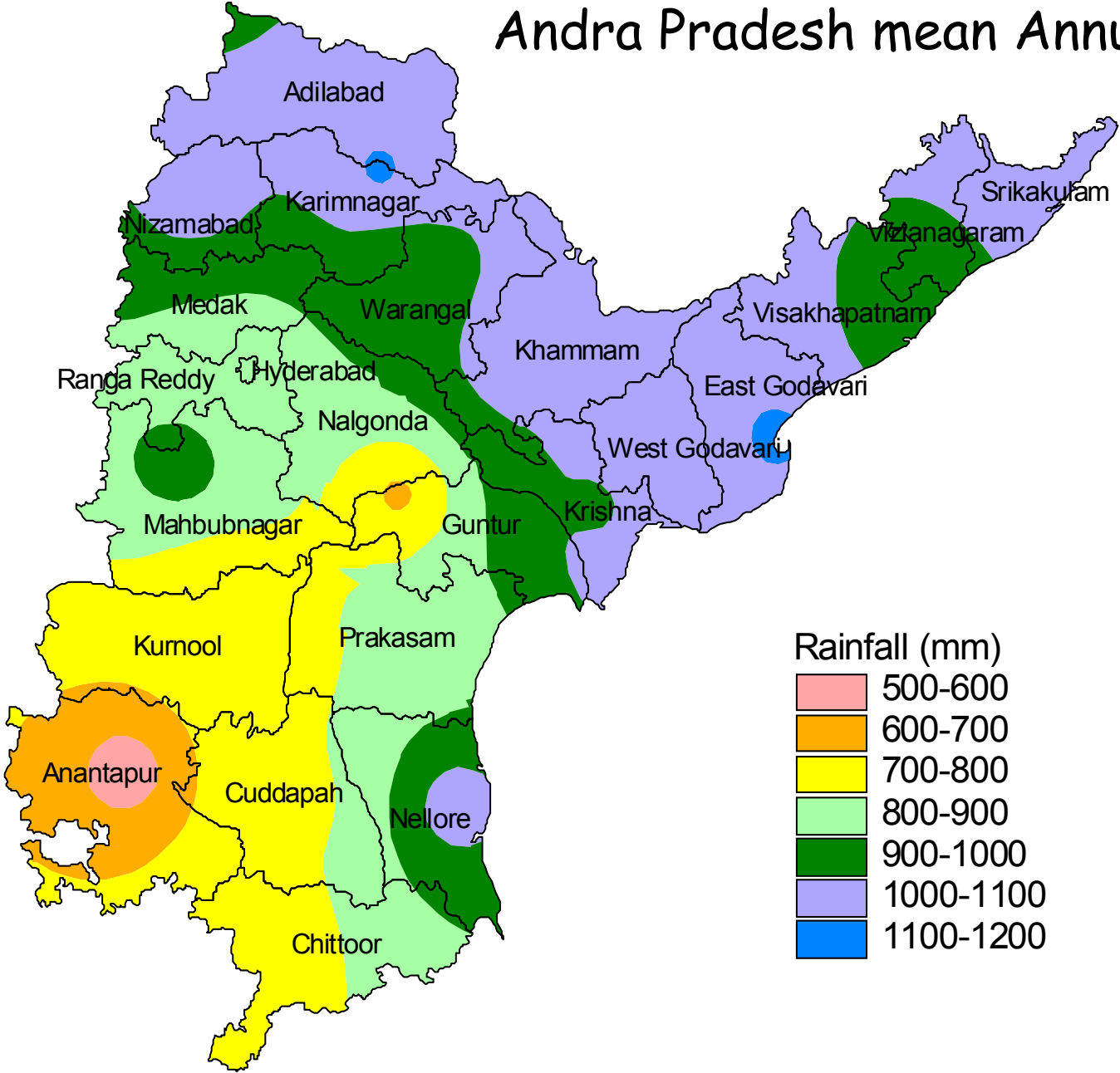


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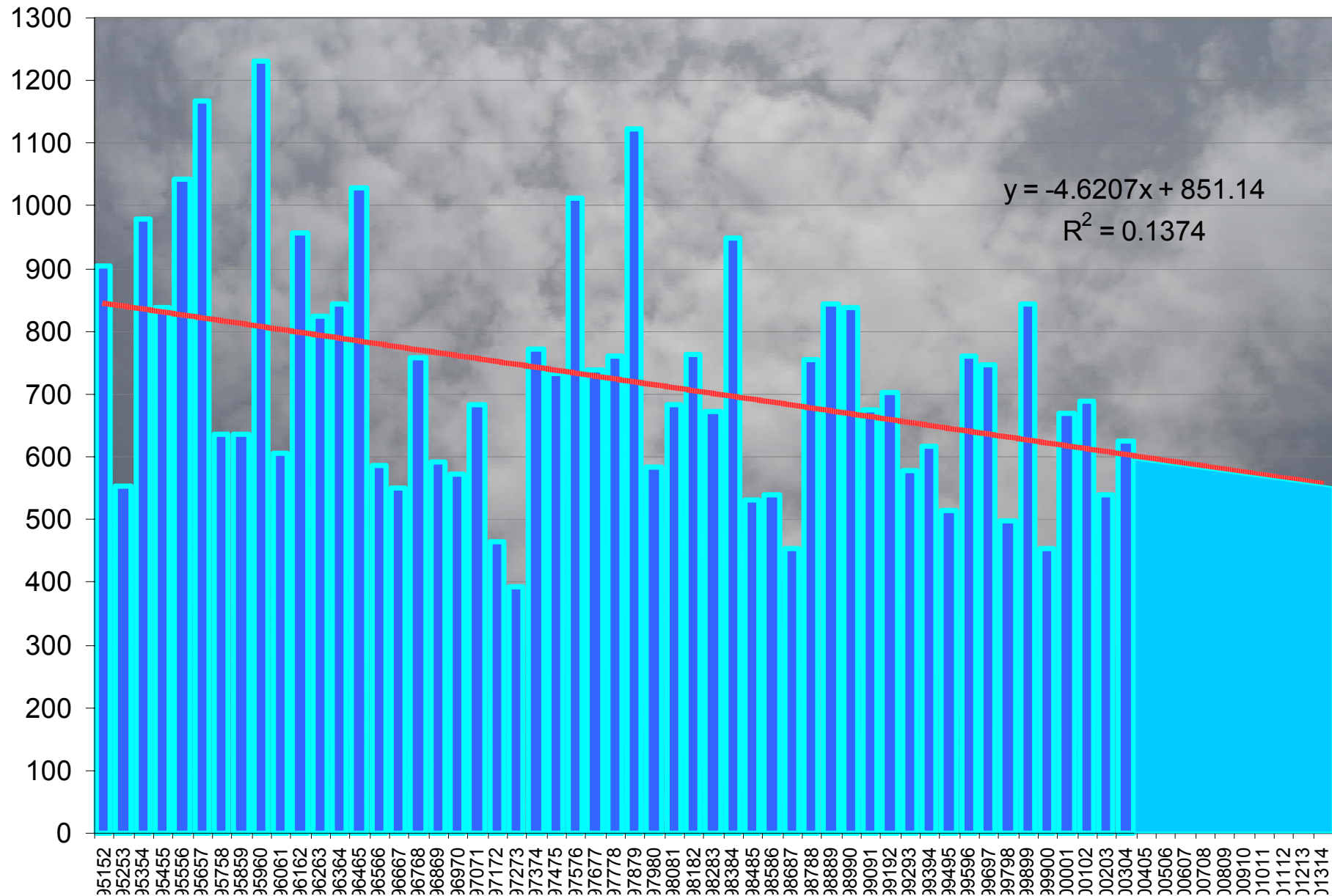
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# Andra Pradesh mean Annual Rainfall



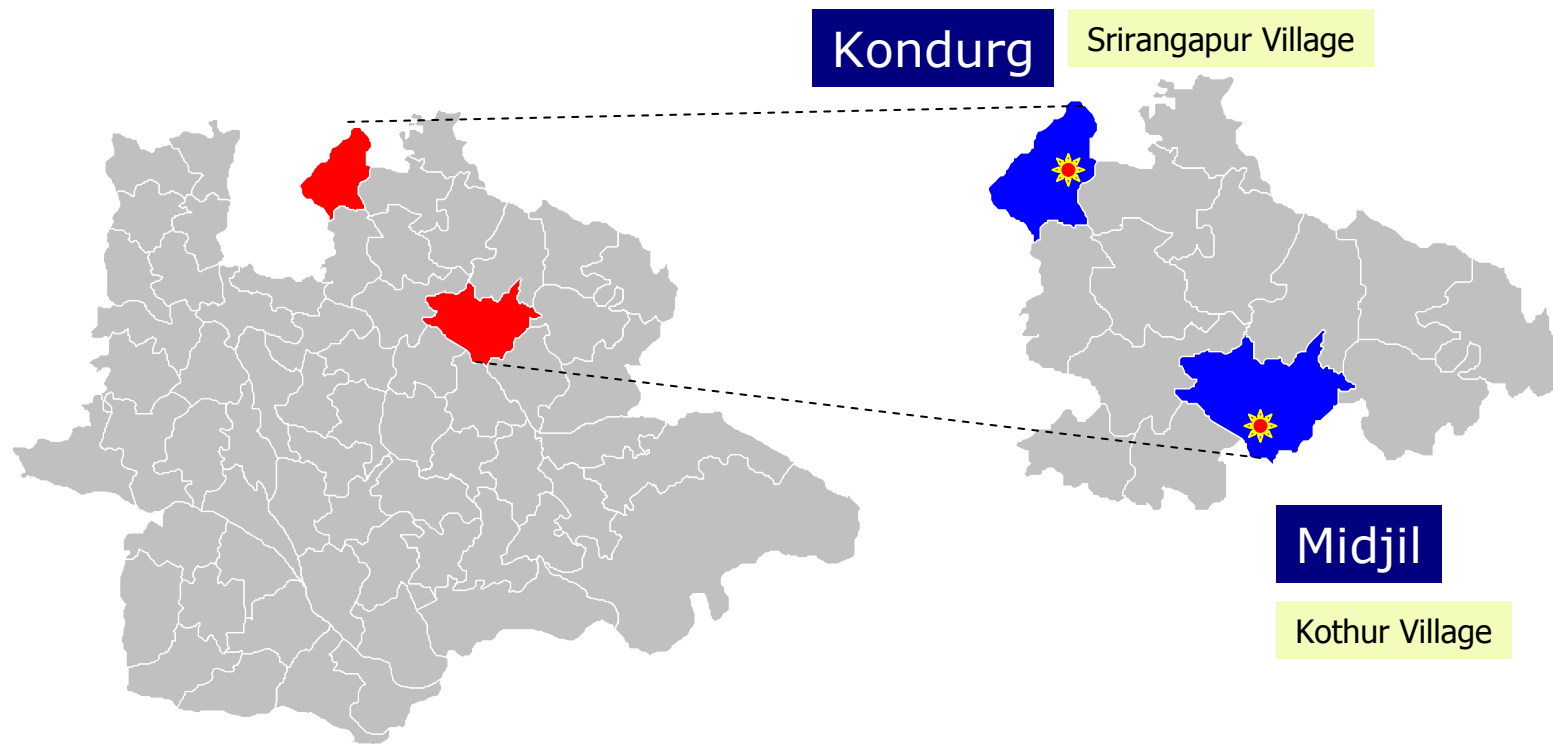
# Rain Fall Mahaboonagar District 1952-2003



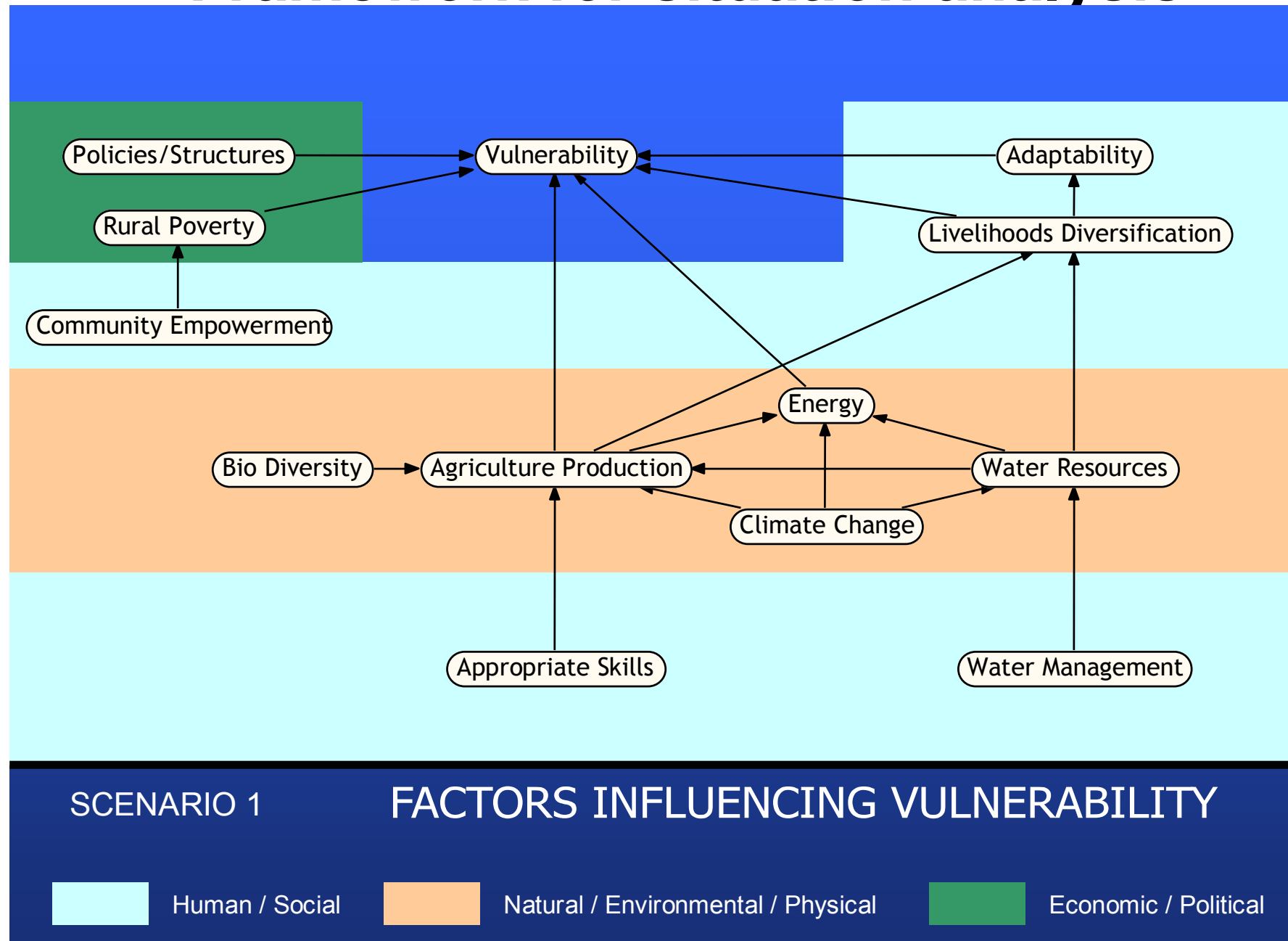


# Project Area Selection: 2 villages to test approach

**Communities at Kondurg and Midjil Mandals,**  
Mahabubnagar District, Andhra Pradesh.



# Framework for situation analysis



## Preliminary conclusions of situation analysis

- › Rainfall patterns undergo shifts, some show decreasing trends in the last decade
- › Agricultural strategies and local livelihood to be critically viewed in view of changing rainfall pattern
- › More data needed on impacts of extreme weather events
- › Need to integrate the real-time weather/crop data for better planning in delivery systems: **Village Knowledge Centers** (next slide)
- › Prioritize best practices/technologies enhancing adaptive capacities

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