



Climate Proofing Government Schemes in India Adaptation Forum 2012



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- Context of Government Schemes in India
- Climate Proofing Government Schemes
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Project overview

- **Lead executing agency:**
Ministry of Environment and Forests, GoI
- **Implementing partners:** state governments of Rajasthan, Madhya Pradesh, Tamil Nadu and West Bengal
- **Budget:** 6.5 million Euros
- **Project duration:** 5 years, 2009 - 2014





Project overview - components

1. Support for the preparation of State Action Plan on Climate Change (SAPCC) – currently 16 states and 2 union territories
2. Vulnerability and risk assessment
3. Development of technical adaptation solutions
4. Climate proofing of rural development programmes
5. Development of adaptation oriented financial instruments
6. Information and knowledge management





Government Schemes in India

- Government programmes / schemes at national level
- State specific guidelines
- Implementation at district and Panchayat level
 - Great responsibility at local government level
 - Following strict procedures of detailed guidelines



Climate Proofing in India

Hypothesis: Climate Proofing of public schemes safeguards achieving their objectives under changing climatic conditions.

It identifies co-benefits and opportunities to increase resilience of communities and ecosystems.

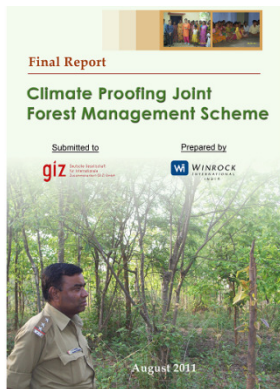
1. Does a scheme already **reduce vulnerabilities** or **increase resilience**? Technically; by building capacities; is governance favourable?
2. Is the scheme in any way leading to **mal-adaptation** / making communities more vulnerable to CC?
3. Further **potential** to reduce CC risks and make use of arising opportunities through schemes



Examples of Climate Proofing in India

- Assessing potential of **Joint Forest Management** scheme to strengthen resilience
 1. Review state level guidelines
 2. Carry out case studies at JFM sites
 3. Show case good practices
 4. Recommendations for state guidelines incl. roles of local governments

- Climate Proofing **Watershed Development Fund**
 1. Climate Proofing case studies with communities and climate experts
 2. Integrate adaptation measures locally
 3. Recommendations for National Bank for Agriculture and Rural Development (NABARD) guidelines





Examples of Climate Proofing in India

- Study on the potential of the **employment guarantee** scheme MGNREGA to generate environmental services and reduce resilience
 1. Measure **environmental services** and **resilience** generated (bio-physical / adaptive capacities)
 2. Assess **governance** structures and their influence on the extent to which env. services are generated





Climate Proofing Watershed Development Fund

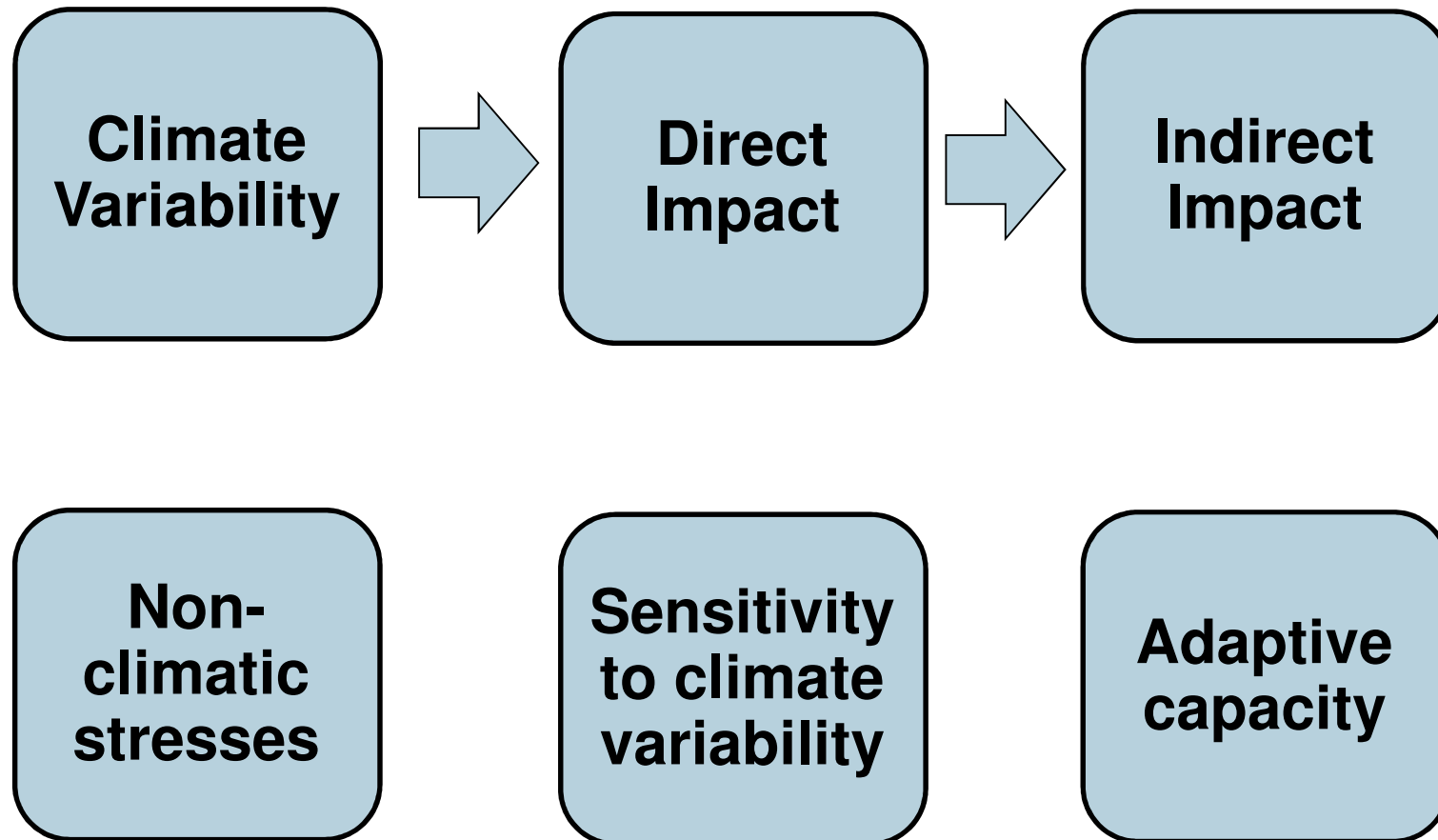
Objectives:

- Analyse the **impacts** of climate change and their effect on WDF goals
- Address **risks** to livelihoods
- Make use of **opportunities**
- Recommend adjusted, robust technical watershed **interventions**
- Strengthen **adaptive capacities** of communities
- Prevent **maladaptation** through the programme





Assessment of vulnerability to climate change





Case Study in Tamil Nadu

Climate Proofing Watershed Development Fund

Community-level data

- Interviews
- PRA
- Modified Proformas

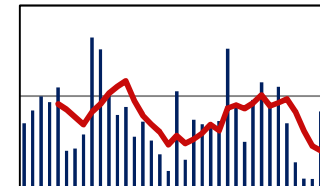


NGO

Scientific data

- Available weather station data
- Regional climate projection
- Land use data

Climate expert



Integrated Climate Proofing Report for watersheds

Climate expert
supported by NGO & GIZ

**Interventions in watershed areas
Integration in WDF guidelines**



Key Questions

- **Mandate**, roles and responsibilities – in India LGs have extensive responsibilities that can be used to address CCA and resilience
- **Resources** - particularly technical support is limited, as well as freedom to adjust processes
- **Scale** – difficult to plan holistically, beyond a set unit, e.g. district; planning for 1 or 5 years.
- **Representation** – legally established but implementation varied
- **Diversity of type of CCA interventions** – convergence of broad range of government schemes great opportunity to address CCA in India





Thank you for your attention!



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Importance and Contribution of the Study

Understand ...

- ... **whether** and **to what extent** MGNREGA works generate environmental services
- ... **how** MGNREGA works can contribute to **reducing vulnerability** to climate change
- ... **whether** and **how** local **governance structures and procedures** influence environmental service generation through MGNREGA works

