



# Local climate stresses, vulnerability, and resilience



On behalf of  
Federal Ministry  
for Economic Cooperation  
and Development





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### GIZ Climate Protection Programme



On behalf of

Federal Ministry  
for Economic Cooperation  
and Development

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## Rationale

### Objective

- Improve representation of and action at the local level
- Integrate local knowledge on climate change in adaptation planning

### Importance

- Climate change global phenomena are manifested locally. Local level analysis gives insight in climate-related impacts on the ground, i.e. how people's lives and their everyday activities are affected, and how they deal with challenge
- Local interests deserve to contribute to planning processes of local concern
- Local vulnerabilities can guide resource allocation
- Local experience provides relevant adaptation knowledge also for other levels

### Application

- Local planning processes or project formulation, screening or revision



## Entry points for adaptation at local level

- Local government planning processes
- Local service provision
- Civil society processes
- Participatory rural appraisal processes
- M&E



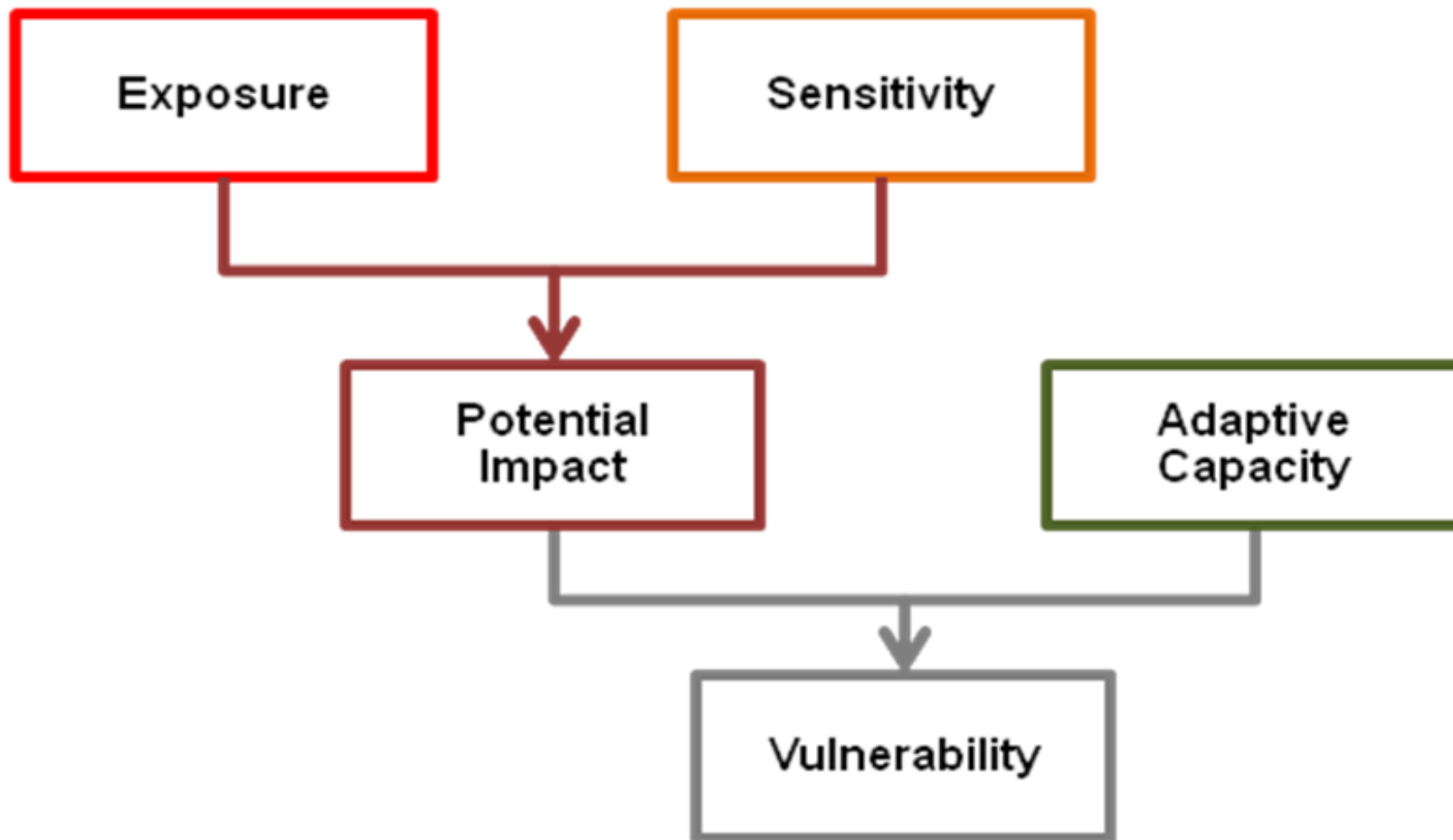


## Climate information at local level

- Scientific information needs to be translated into information relevant to the target group
- Knowledge about past climate risks and coping strategies is embedded in local traditions, histories and practices and should be understood as a basis for adaptation to climate change
- To gather local knowledge ...
  - use Participatory Rural Appraisal (PRA) tools: discussing livelihoods, valued assets, calendars, hazard mapping, interviews, etc.
  - gather stories, evidence, experienced trends
  - engage vulnerable groups



## Vulnerability functions





## Exercise (1)

### Context

- The Talaran District Government decided to review Sustainable Rural Development projects in order to integrate adaptation to climate change
- Community members take part in the project review  
→ your working group
- A first stocktaking workshop on climate change impacts was recently conducted with all relevant stakeholders

### Exhibits

- Description of West State
- Results from the stocktaking workshop (hazard map, list of problems the stakeholders identified, and selected stories)





## Exercise (2)

### Your task

→ You are pastoralists **or** farmers

### Use Matrix 13

- In column A discuss the key climate-related dynamics in your community:
  - What are the priority climate-related stresses to which you are exposed?
  - In which ways is your group sensitive to climate variability and change?
  - What is your group's coping and adaptive capacity?
- In column B identify Participatory Rural Appraisal tools that could be used to deepen understanding of these key dynamics





## Exercise (3)

### Results

- (please specify)

### Logistics

- Case work
- Presentation of results (please specify how)
- Reflection

