# Akshvi: Digital Wallets for Climate Loss & Damage

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# Why do we need a digital platform to capture losses



Delayed and time consuming assessments





Lack of a real-time ecosystem

platform to interact, collaborate

and register

# Losses experienced by communities is almost ~2.5 times higher than the prescribed compensation rates making recovery from climate change induced disasters challenging

#### For instance, in case of livestock loss:

- Average re-purchasing cost of milch animals = ₹ 88,125
- Compensation received for loss of milch animals = ₹ 30,000
- Gap that a livestock rearer has to fulfill to re-settle into the livelihood = ₹ 58,125

Compensations today do not account for various other factors:

- Opportunity cost of income (Income loss during the period of destruction and re-building) Transportation
  or logistical costs
- White goods costs
- Re-purchase of capital and floating assets at market or circle rate
- Labour costs

# Climatic events lead to ripple effects across lives and livelihoods and need an ecosystem level solution that helps address other indirect impacts



The pilot revealed qualitative insights into other aspects of lives and livelihoods that were affected by floods in all the 6 districts.

# My land, My loss

Platform Aakshvi enables tech driven solutions to estimate damage and losses, and orchestrate collective action towards climate resilience financing



preparedness

disaster response planning, risk reduction and disaster **private sectors** 

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## **Creating a Digital Wallet**



Aakshvi calculates the cumulative HH level loss, overall state level loss and loss at national level using set formulas

# **Digital Wallet**



- 1. Economic Value of losses for household
- 2. Non-economic Data, Sentiments at household level
- **3.** Profile of household, including geographic location
- 4. Verification status of data
- **5.** Assistance received from external agencies.
- **6.** Channel for communications. Eg. Early warnings, Government schemes

Map - Loss location



THE RISK & LOSS DATA GETS COLLECTED AND STORED TO PROVIDE ACTIONABLE INSIGHTS...



The loss wallet will enable direct financial support to affected communities

## **Dynamic Loss Platform – Enabling innovations at systems level**



The platform will synthesize insights to hel build communities' capacity to adapt to climate change

insights to help implementation partners plan

for climate adaptive programs

### Next Steps:



Being developed to host data for
 300million households in India

**2.** Developed as a Digital Public Good using open-source software

**3.** Pilot in 25,000 households in 2023

**4.** Building partnerships

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