

CLIMATE ADAPTATION INVESTMENT PLAN

Climate-resilient value chains for food system transformation

Madhesh Province, Nepal, September , 2026



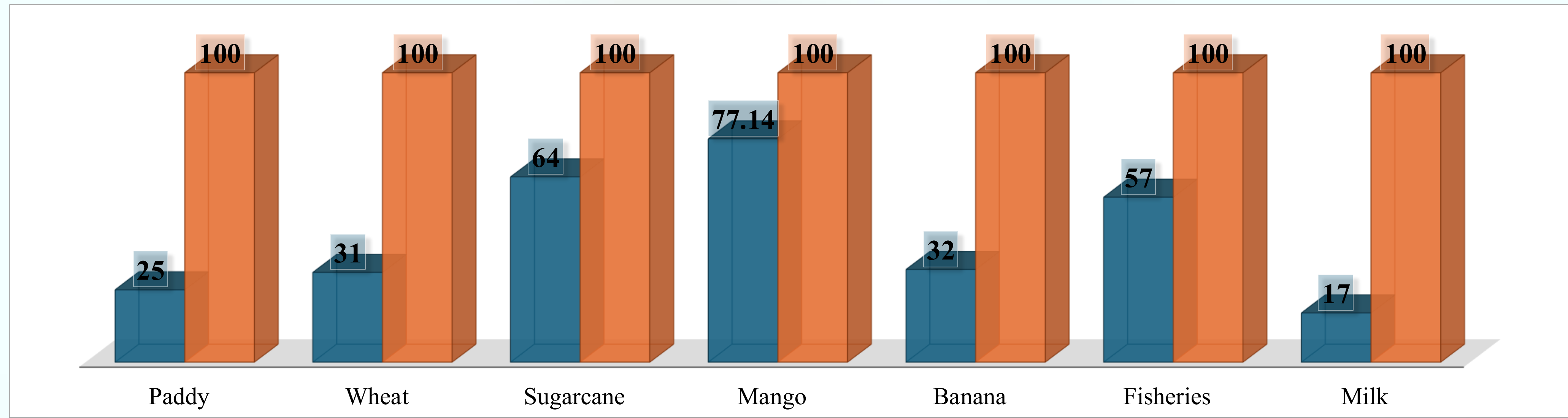
CLIMATE ADAPTATION INVESTMENT PLAN FOR CLIMATE RESILIENT VALUE CHAINS FOR FOOD SYSTEM TRANSFORMATION IN MADHESH PROVINCE, NEPAL

AUGUST 2026



Nepal: Climate Adaptation Investment Plan for Climate Resilient Value Chains for Food System Transformation in Madhesh Province

Overview of Agriculture in Madhesh Province



Major commodities of Madhesh Province and its contribution in context of Nepal's total production (%)

- Madhesh is the food basket of the country



Why adaptation investment is urgent

KEY CLIMATE RISKS

1

Heat & heatwaves

Rising temperatures and more frequent heat stress.

2

Drought & water scarcity

Growing water stress and pressure on irrigation.

3

Extreme rainfall & floods

Greater rainfall variability and more severe flooding.

4

Compound risks

Heat, drought and flood risks increasingly overlap.

SYSTEM-WIDE IMPACTS

Lower crop productivity

More frequent production losses and reduced yields.

Food security pressure

Heat, drought and floods increase food insecurity.

Livelihood & growth impacts

Lower farm incomes and slower economic growth.

Infrastructure losses

Damage to irrigation, storage and transport systems.



Climate change is responsible for reduction of agriculture production by 10-30 % (NAP 2021)

A policy-aligned platform for climate-resilient agriculture

CAIP translates national and provincial commitments into an investable adaptation agenda.

NATIONAL ADAPTATION PLAN (NAP)

Climate-resilient production, water security, risk management, institutional capacity, livelihoods and food security.

NDC 3.0

Climate-resilient agriculture and food security targets; resilient production systems and climate services.

MADHESH AGRICULTURE MASTER PLAN

Productivity and diversification, infrastructure, extension, agro-industry, climate resilience and sustainable practices.

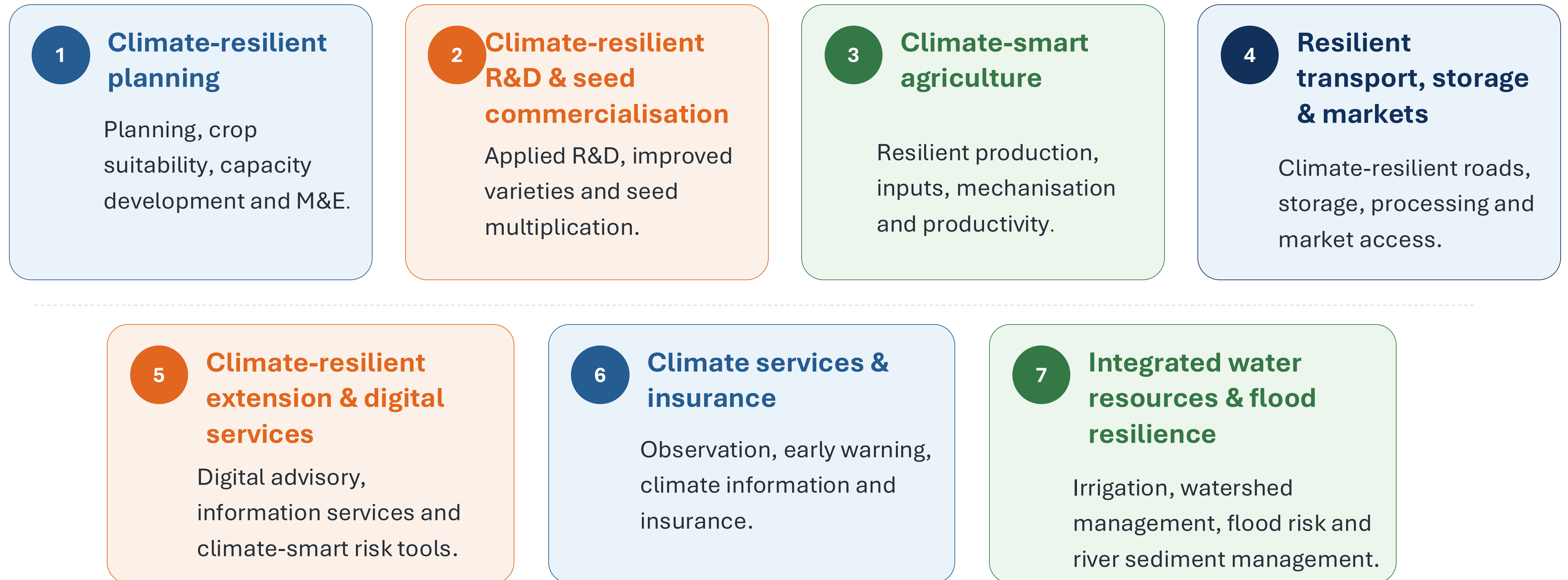
COMMON ADAPTATION PRIORITIES

- ✓ Climate-resilient agriculture
- ✓ Agricultural risk management
- ✓ Water security & irrigation
- ✓ Food security & nutrition
- ✓ Climate information & services
- ✓ Resilient value chains & livelihoods

CAIP provides the bridge from policy commitments to prioritized, financeable investment packages.

Seven investment packages connect the farm to the market

The packages address the full climate-resilient value chain—from planning and production to water, logistics and market systems.



A coordinated package approach avoids fragmented adaptation investments and strengthens system-wide resilience.

THANK YOU

