

→ Earthquake

→ Tsunami

→ Floods

→ Landslides

→ Draughts

Draughts

↳ Meteorological draught

↳ Rainfall less than 75%.

↳ lack of Rainfall

Factors

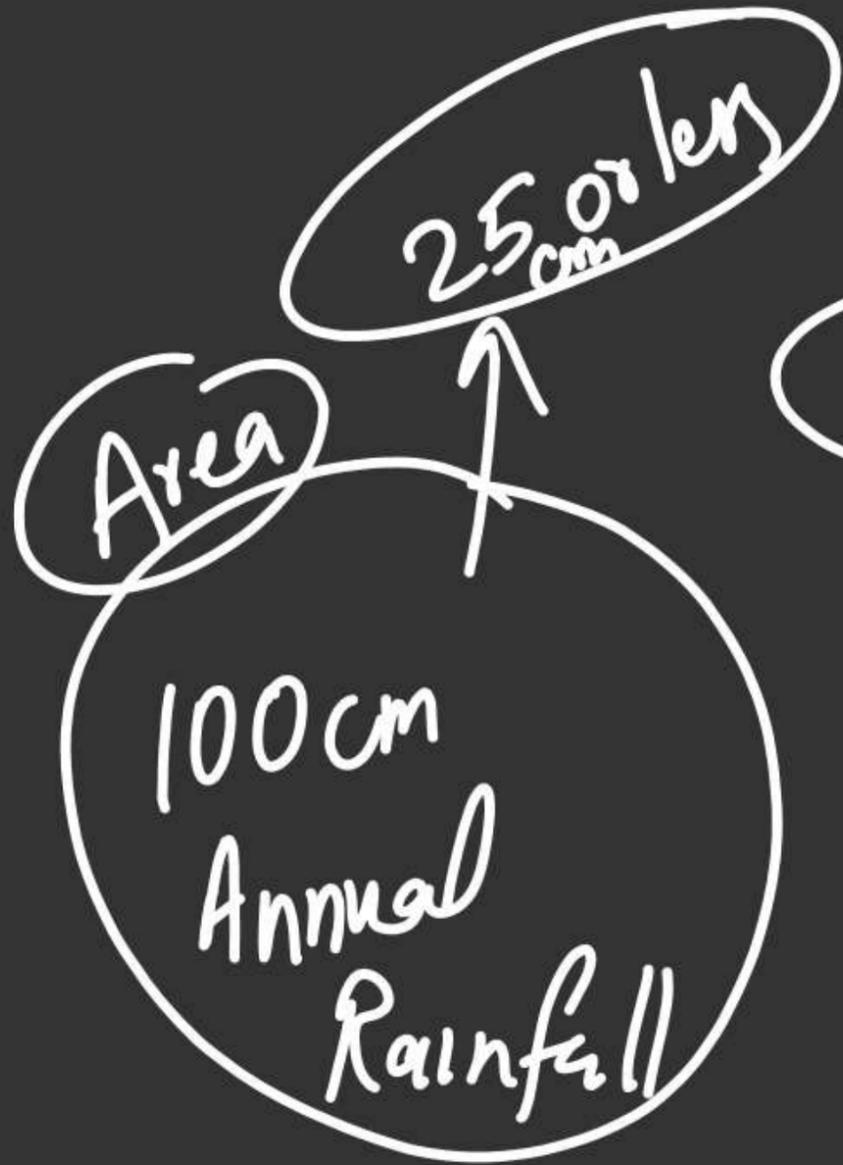
↳ Relief features

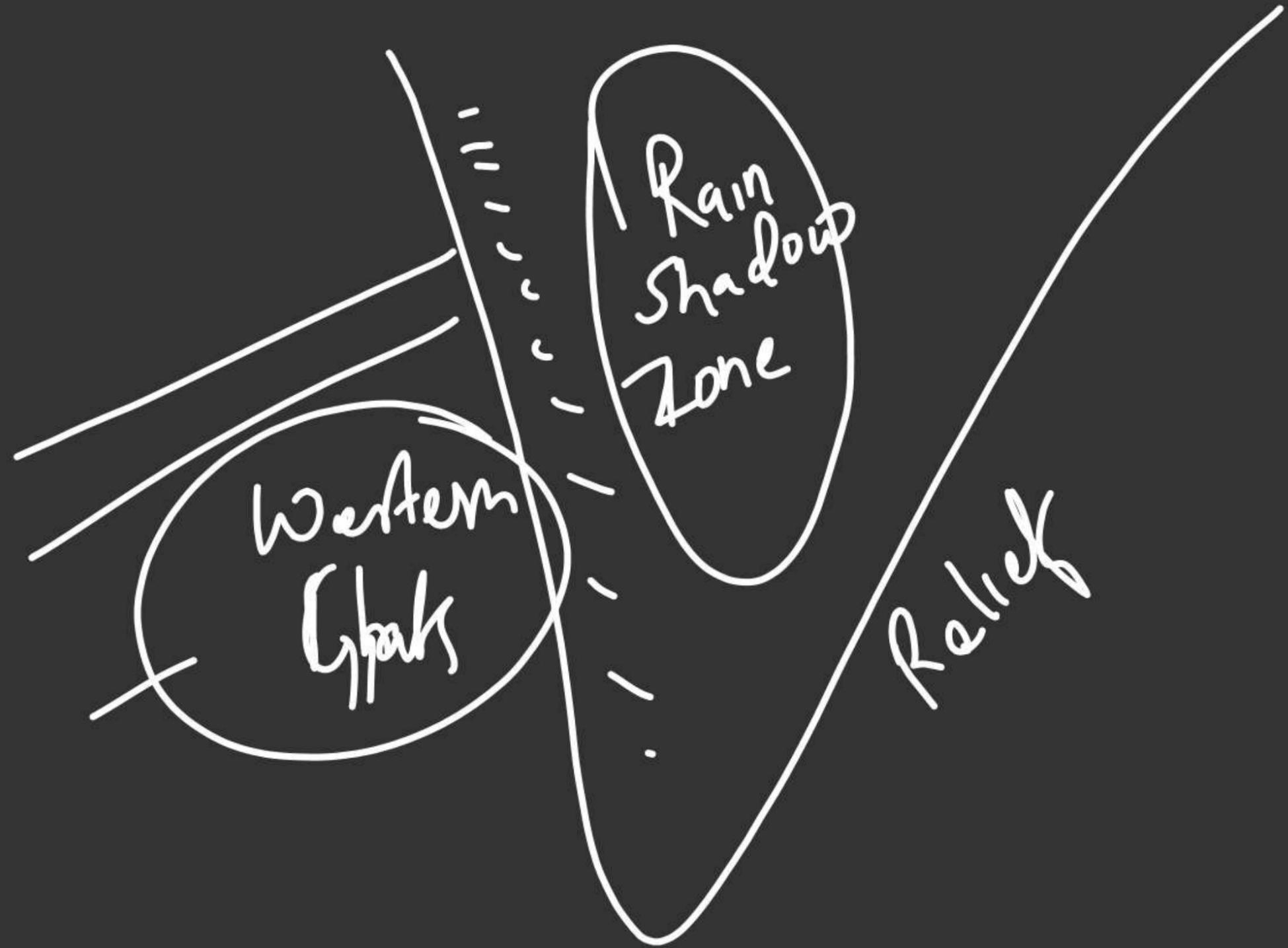
↳ El nino / IOT / Madden Julian

↳ Global warming and climate change.

↳ Indian Ocean dipole

↳ Indian Ocean





Western
Ghat

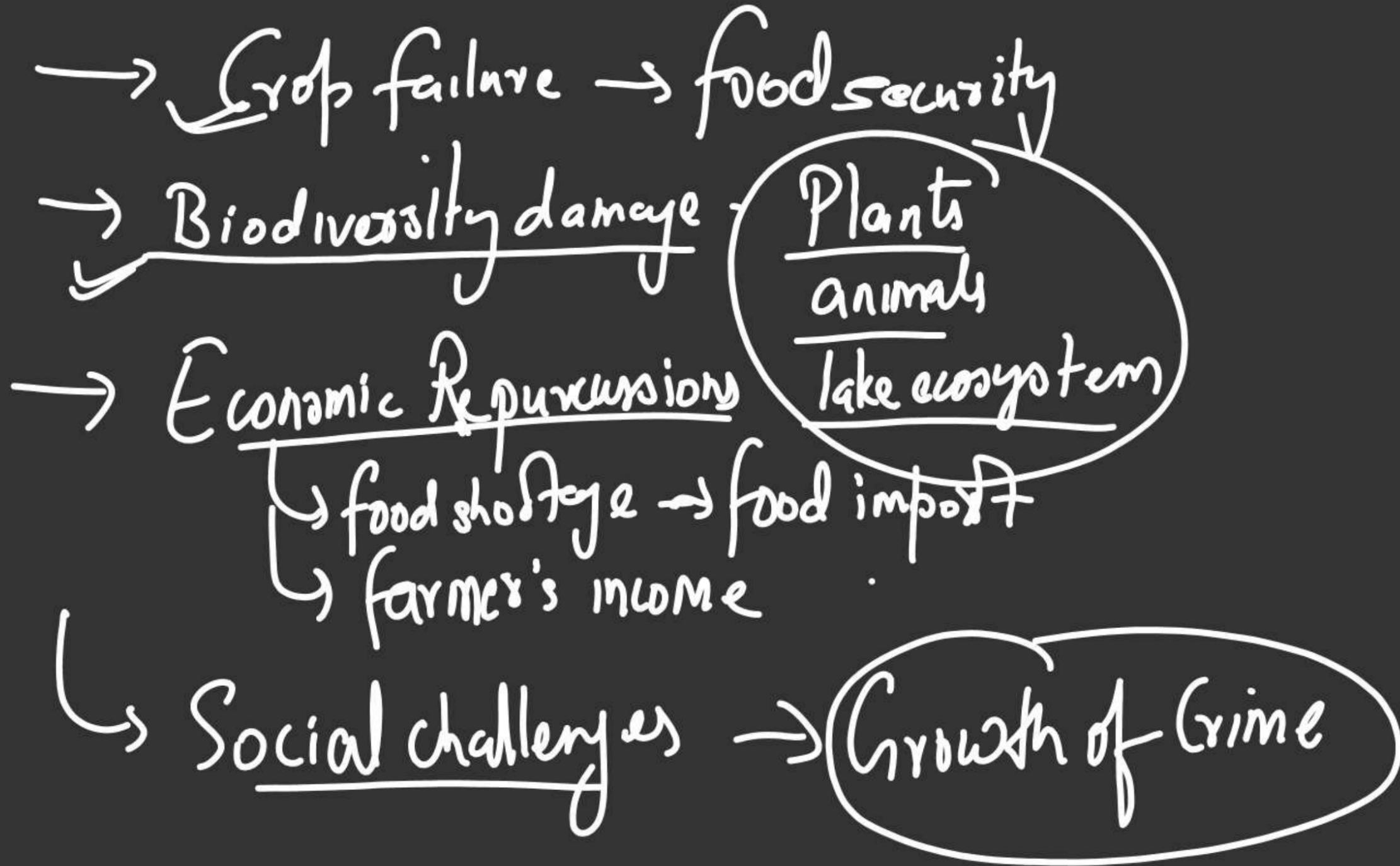
Rain
Shadow
Zone

Relief

What causes draughts in India



Impacts



Adaptation and mitigation

→ Zero budget
Natural farming
↳ Zero tillage of
Soil

→ Crop Insurance

↳ GM Seeds / hybrid seeds
Seeds tolerant to
draught conditions.

→ Relief package
from govt.

→ Ensure food
availability

↳ PDS

Adaptation

Ponds
→
Aces
→
wells

MGNREGA

→ Early warning system

IMD

→
advance
forecast

→ Afforestation

→ Rainwater harvesting structure.

Drought
Drought

Govt

Drought Prone Areas Programme

Reverse the
desertification process

1970s

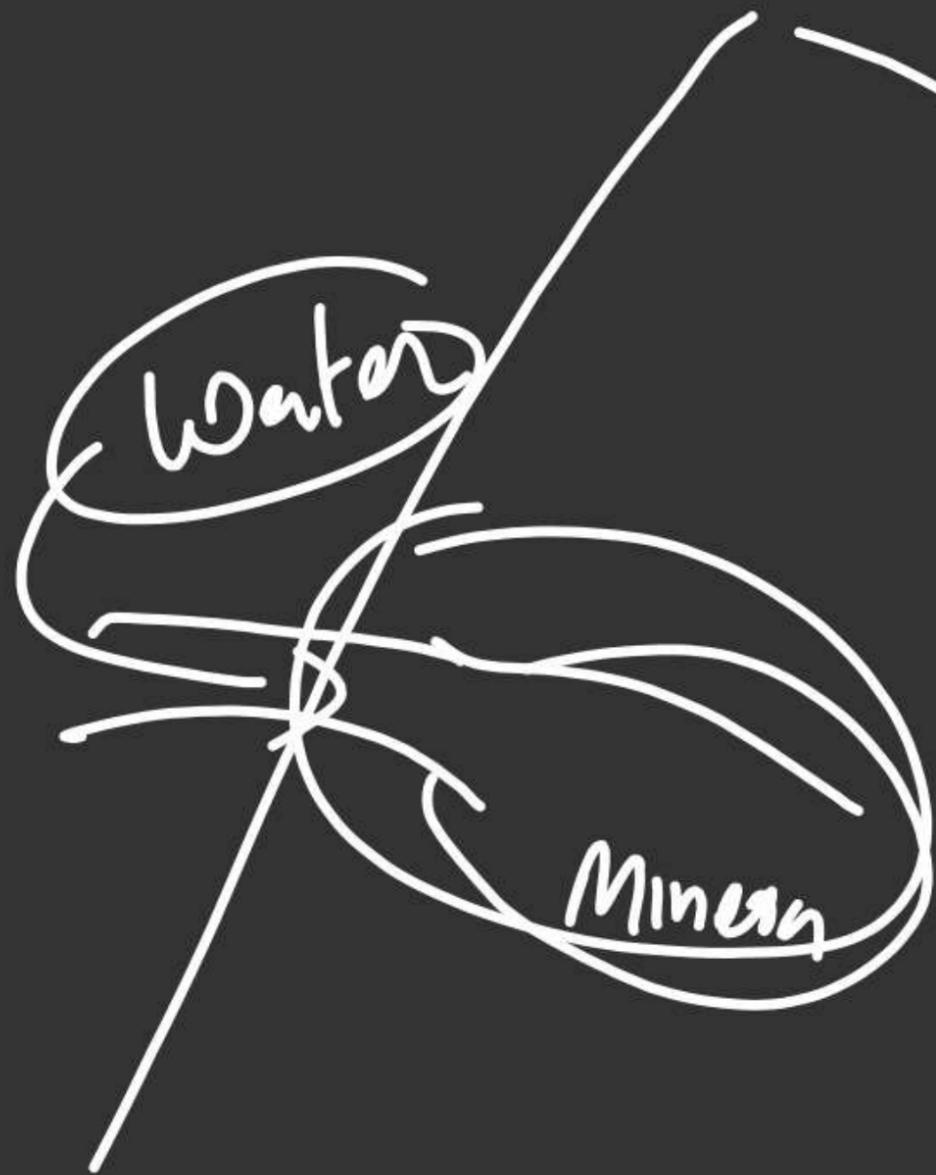
Water use
efficiency

→ PMKSY

Krishi Sinchayi Yojana

↳ Drip irrigation / Sprinkler irrigation

↳ Per drop More crop



Rat hole
mining

Low
burf
wildfire