

# Climate Change and Variability, and Farmers' Response in Saurashtra Region of Gujarat, India

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## Study area: Saurashtra, Gujarat of India

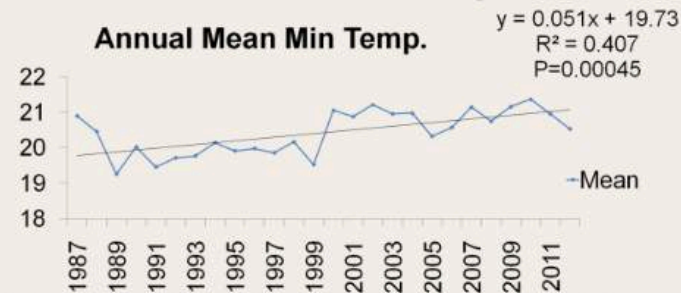


About 100 farmers were surveyed through pilot study to know their response to climate change & variability

## Major coping strategies being adopted by farmers:



## Evidences of climate change:



## Other coping strategies being adopted by farmers:

- ✓ Farm diversification: increased reliance on dairy cattle; agro-forestry
- ✓ Adjustment in sowing time
- ✓ Use of growth retardants
- ✓ Use of tolerant cultivars.

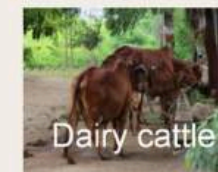


Fig. Tendency of annual minimum temperature at Junagadh (1987-2012)

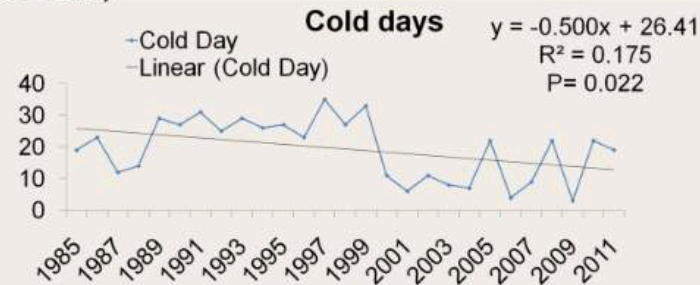


Fig. Tendency of cold days at Junagadh (1985-2011)

✓ In general, rain has reduced in frequency but increased in intensity leading to more frequent droughts and floods