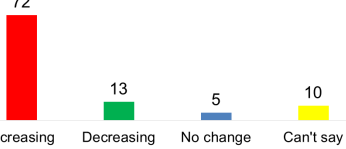


Perception on climatic variables

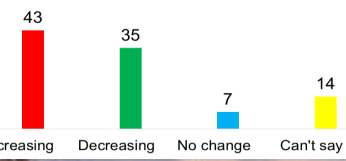
(All figures are in %)

Temperature

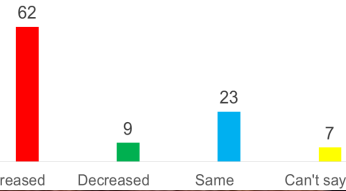
Temperature during summer for last two decades



Temperature during winter for last two decades

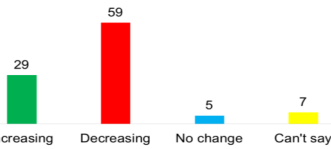


Number of hot days at present

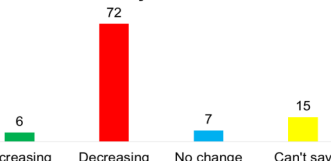


Rainfall

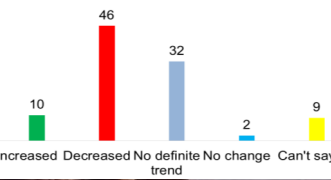
Trend of summer rainfall during last 20 years



Trend of winter rainfall during last 20 years

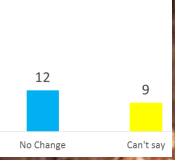


Number of rainy days at present

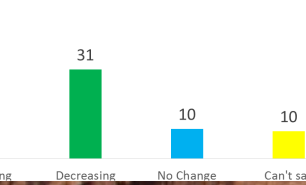


EXTREME EVENTS

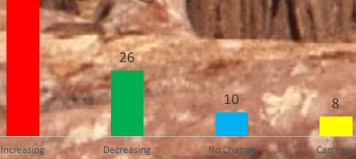
Flood trend



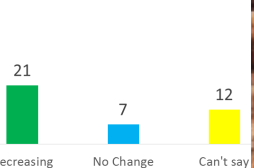
Hailstorms trend



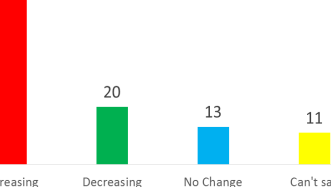
Landslides trend



Drought trend



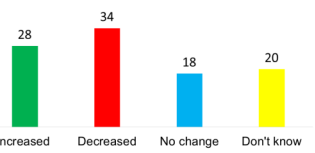
Storms trend



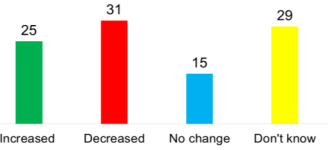
Sectoral perception

WATER

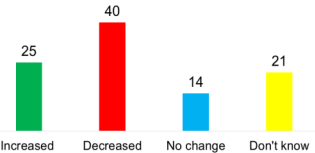
Springs: water quantity



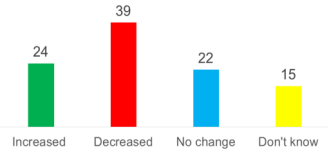
Ponds: water quantity



Streams: water quantity

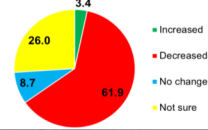


River: water quantity

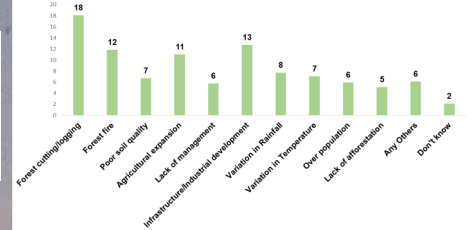


FOREST

Current forest cover compared to past

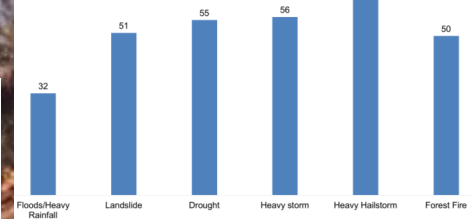


Factors contributing to decrease in forest cover

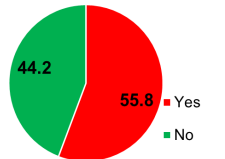


AGRICULTURE

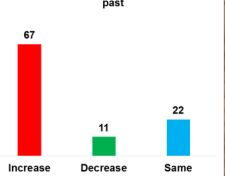
Calamities responsible for crop damage



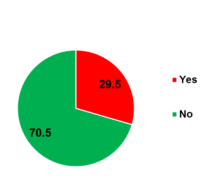
Major incidence of pest attack



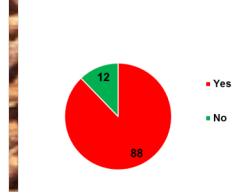
Incidence of pest attack compared to past



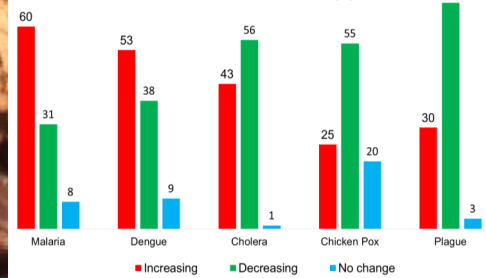
Shifted/changed crops



Changed sowing time of crops



Trend in occurrence of diseases (%)



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MEGHALAYA CLIMATE CHANGE CENTRE

Reach us at:
Meghalaya Climate Change Centre,
Meghalaya Basin Development Authority,
Nongrim Hills, Shillong

Email us: ccmsh@gmail.com



Impacts of Climate Change and Adaptation to it: Perception and Traditional Knowledge of the People in Rural Areas of Meghalaya

Recording people's perception on climate change and their traditional knowledge on resources and resource utilization for their day to day activities play an important role in understanding of climate experiences and finding out ways to tackle their impacts at local and sectoral level.

Objectives of the study:

- To document peoples' perception on climate change and its' impacts on resources and their livelihoods
- To document peoples' traditional knowledge and practices for adaptation strategies
- To identify the vulnerabilities and adaptation actions by integrating the study outputs with other components of the climate action framework

The study was primarily based on surveys conducted through:

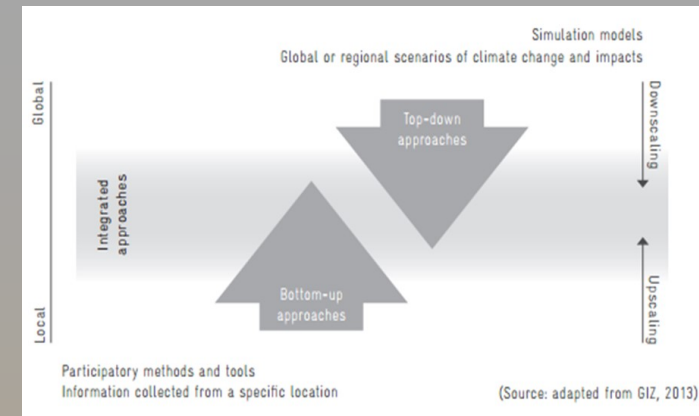
- Questionnaire
- Focus Group Discussions
- Bio-Physical Observations



The primary data regarding peoples' perception on climate change and its impacts on different sectors viz.

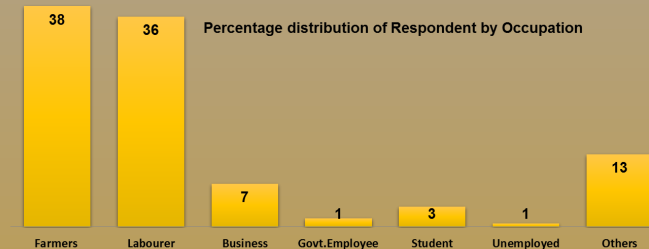
- Water resources
- Agriculture
- Forest
- Livestock
- Fishery
- Human health

The study also captures the socio-demographic profile



The target group for the study were the rural population of Meghalaya.

The target group for the survey comprised of heterogeneous participants from different age groups, gender, education and occupation.



Percentage distribution of Respondent by Age Group

