Adaptation strategies of farmers to mitigate climate change effects

**Climate change**

**Declining agriculture growth**

**METHODOLOGY**

- Farm Survey Method - Well structured interview schedule
- Western zone of Tamil Nadu
  - Coimbatore, Erode, Tiruppur
- Maximum area under crop cultivation
  - Blocks ---- Villages ---- Samples
- Sample size – 240 (Proportionate random sampling method)

**AIM**

- Awareness on climate change effects
- Attitude towards Farm diversification
- Adaptation Strategies

**FINDINGS**

**AWARENESS ON CLIMATE CHANGE**

- High, 18.30%
- Medium, 66.70%
- Low, 15%

**ATTITUDE TOWARDS FARM DIVERSIFICATION**

- Un favourable Attitude 16%
- Favourable Attitude 84%

**ADAPTATION STRATEGIES**

- Minimize the agriculture risks due to climate change
  - Sustainable income growth

**Diversification pattern**

- Crop diversification + Non-agricultural activity: 25.25%
- Crop diversification + Animal husbandry: 21.25%
- Crop diversification alone: 17.08%
- Crop diversification + Agro-based industries: 13.75%
- Non-agricultural diversification alone: 7.68%
- Crop diversification + Animal husbandry + Agro-based industries: 4.17%
- Crop diversification + Agricultural allied enterprise: 2.91%
- Animal husbandry + Non-agricultural activity: 1.67%