

The 33rd IAUA VCs Annual Convention-2008 was organized at Anand Agricultural University, Anand during 4-5, December, 2008.

Theme:- "Climate Change and its Effect on Agriculture"

The following recommendations are made from different technical sessions :-

- There should be long-term experiment on study of effect of climate change on agriculture. Therefore, Department of Agril.Meteorology should be started in each Agricul
- The Weather forecast should be developed for smaller areas maximum for a grid of 50 km for the farmer.
- All SAUs should install AWS at their research stations.
- SAU should strengthen research in climate change and include courses in the syllabus. Anand Agricultural University should lead research on this aspect for which ICAR should give special funds to Anand Agricultural University.
- All SAUs should strengthen human resources in use of GIS and use of space products to study effect of climate change in Agriculture.
- Climate variability and its effects on pests and diseases should be studied.
- All SAUs should appoint a Nodal Officer to study performance of agricultural universities and arrange rowing seminar at regional level in consultation with NAARM.
- Use of satellite data in agriculture should be encouraged and GIS should be used as a tool.
- Green house cultivation is recommended in Himalayan region to protect the crops from extreme climate.
- Effect of climate change on animal production and reproduction need to be addressed and evaluated using various models.
- Need to evaluate and monitor the effect of climate change on prevailing disease pattern and emergence of new diseases.
- Real estimates of green house gases should be developed in Indian context to assess the impact on human life.
- Livestock based farming system need to be encouraged to reduce the effect of climate change and increase production per unit of land.
- Meteorological Departments of SAU's & ICAR institute need to be strengthened.
- Need to evaluate and develop appropriate technologies to counteract the effect of climate change on shelf life of dairy products.
- Reduce the use of the fossil fuels to bring down the GHG emissions.
- Afforestation programs to be taken with greater zeal, in order that the forests act as fresh CO₂ sinks.
- The research studies need to be promoted regarding the area specific impacts of climate change on human health.
- Master degree program in Post Harvest Technology for value added products needs to be started in agricultural universities in the country.
- The nutritive vegetarian and non-vegetarian food having sufficient proteins and vitamins need to be provided to the people to combat the effect of climate changes on human health and increase the immunity status.

- Effect of climate change on glacier melting and its likely effect on the agricultural production.
- Rainy days are going to decrease and heavy fall will increase.
- At different return periods the rainfall intensity will increase.
- Glacier recovery and growth is decreasing, hence total glacier is decreasing. This will affect floods in many areas.
- East coast and Gujarat are prone to the incursion of sea water and Western Ghats are prone to landslide.
- Development and management of water resources, interlinking of rivers and integrated planning.