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# National Seminar on Agrometeorology for Sustainable Development with special emphasis on Agrometeorological Practices for Climate Resilient Farming and Food Security



## (AGMET-2017)

16-18 October, 2017

Organized by

Association of Agrometeorologists

and

CCS Haryana Agricultural University, Hisar, Haryana



## Preamble

The Association of Agrometeorologists (AAM) in partnership with Chaudhary Charan Singh Haryana Agricultural University (CCS HAU), Hisar is organizing a 'National Seminar on Agrometeorology for Sustainable Development with special emphasis on Agrometeorological Practices for Climate Resilient Farming and Food Security (AGMET-2017)' during October 16-18, 2017 at CCS HAU Hisar. CCS HAU named after India's 7<sup>th</sup> Prime Minister, is one of the biggest Agricultural Universities in Asia. The University is a leading institute of higher learning, research and outreach in agriculture and allied sectors in India and has significantly contributed to Green and White Revolutions in 1970s and 80s, respectively. Since 1970, there have been significant advances in research, teaching and extension by the creation of state of art infrastructure at main campus and outstations as well. CCS HAU was bestowed with Best Institute Award by Indian Council of Agricultural Research in 1997.

## About the National Seminar

Agriculture plays an important role in the social and economic life of people in India, and will continue to do so in the foreseeable future. Today agriculture accounts for about 14 percent of the Gross Domestic Product (GDP) and 11 percent of exports. Agriculture today faces several challenges. Some of the sectoral challenges since the last decade or so include: a slowdown in growth, increased exposure to world commodity price volatility, degradation of the natural resource base, rapid and widespread decline in the groundwater table, land fragmentation, lack of extension services, and the indebtedness of farmers. Weather and climate variability and change can significantly impact farmers. With approximately 60 percent of Indian agriculture being rain fed and dependent on the vagaries of the monsoons, the climate will be a major determinant of agricultural production.

India being a hotspot for climate change and having 15 broad agro-climatic zones and 127 sub-zones, the impact of climate variability and change on agriculture will vary from region to region and from crop to crop. Solutions should address the twin challenges: adaptation to climate variability and change and sustainability of the resource base with increase in productivity, to meet future food security demands. Agrometeorology can contribute significantly and meaningfully to the sustainable development.

To prepare us for the future, there is urgent need to integrate and make it a habit to utilize all such vast agrometeorological interventions available for climate resilient farming so as to attain the food security. The seminar is expected to provide a platform for leading agricultural scientists and young researchers to present their latest interventions, exchange their research ideas and share their experiences for climate resilient farming under looming threat of climate change and variability. The subject of agrometeorology and allied disciplines has great potential to contribute towards climate resilient farming and food security.

The three days national seminar is being organized at CCS HAU Hisar with following themes:

## Broad Themes

- Agrometeorology and sustainable agriculture
- Climate variability & change and its impact on agriculture and related sectors
- Short-, medium and long range weather forecasting and their relevance to Agro-advisory Services
- Extreme weather events and agriculture
- Use of information technology including GIS and remote sensing in agrometeorology
- Crop weather models and decision support systems
- Weather and climate relation with insects, pests & diseases
- Climate change adaptation and mitigation in relation to agriculture

## Special Themes

- Assessment and evaluation of major food and horticultural crops for tolerance to climatic variability
- Crop micrometeorological manipulations for climate resilient farming
- Biotic and abiotic stress management for climate resilient farming
- Crop-weather-insect-pests & diseases interactions and emerging issues
- Plant, soil and animal health management under changing environments
- Extreme weather events, environment degradation and crop production strategies
- Ensuring nutritional food security under changing climates
- ITK, ICT and new technology based interventions for climate resilient farming
- Weather based farm-advisories, contingency plans, management practices and crop insurance

## About the Association of Agrometeorologists

The Association of Agrometeorologists (AAM) came into existence on March 22, 1999 at Anand, Gujarat, India under society registration act (Registration no. Guj/1514/Kheda dated 22/3/1999 with initial 15 members. It was formed at the behest of scientists working in the fields related to Agrometeorology in different parts of the country to provide them a suitable platform where they could meet and widen the horizon of their knowledge by mutual exchange of views and experiences and research results through the medium of a publication in the form of a journal. Presently, the life membership of Association of Agrometeorologists is more than 1200. Association has been able to reach not only to meteorological and agrometeorological communities but also amongst a wide spectrum of scientists across the globe of allied fields such as agronomy, soil science, horticulture, entomology, plant pathology, agricultural engineering, plant physiology, ecology, agricultural statistics, environmental sciences, plant breeding, animal sciences etc.

## Call for Papers & Abstract Format Instructions

The scientific papers for contributory and poster presentation on any of the themes listed above are invited for the seminar. Poster size should not exceed 3' x 2'. Abstract should be typed in MS Word not exceeding 500 words excluding the title, affiliation etc. The abstract must be submitted to the **Organizing Secretary 'AGMET-2017'** through Email to [agmet2017aam@gmail.com](mailto:agmet2017aam@gmail.com) latest by **Monday the 31<sup>st</sup> July, 2017**. Registration Form and further details are available at our University website <http://hau.ernet.in/agmet-2017>

### Key Dates

|   |               |
|---|---------------|
| Last Date for Abstract Submission             | July 31, 2017 |
| Abstract Acceptance Communication             | Aug 20, 2017  |
| Last Date for Registration (without late fee) | Sept 15, 2017 |
| Last Date for Accommodation Request           | Sept 30, 2017 |

### Registration Fee

|                                       |           |
|---------------------------------------|-----------|
| Members/Faculties/Researchers         | Rs 3000/- |
| Non-members (Industries/Others)       | Rs 4000/- |
| PG Students with bonafide certificate | Rs 1500/- |
| Foreign nationals                     | US \$ 150 |
| Accompanying person                   | Rs 4000/- |

Participants are requested to register themselves for participation in the seminar on or before Friday, the 15<sup>th</sup> September, 2017. Thereafter, a late fee of Rs 500/- will be charged. The registration fee may be paid by Cash/Demand Draft/Pay Order in favor of Association of Agrometeorologists -Hisar Chapter, payable at SBI, HAU Hisar, Haryana.

The fee may also be credited by ONLINE transfer into the Bank Account# 30046462856 (Association of Agrometeorologists-Hisar Chapter), State Bank of India (SBI), HAU Hisar Branch, IFSC Code SBIN0001566.

## Industry Presentation & Exhibition

Special sessions are being organized to provide a platform for industry/entrepreneurs to showcase their activities/initiatives/products. A presentation slot of 15-20 minutes duration will be allowed for interested industry/entrepreneurs. Provision is also being made for vendors to exhibit their products and services as well. For detailed information contact: Dr Raj Singh, Organizing Secretary 'AGMET-2017' Contact number- +91 9354310691 Email [agmet2017aam@gmail.com](mailto:agmet2017aam@gmail.com).

## About Hisar

Hisar, an important city of Haryana, is located around 180 KM west of Delhi on National Highway No. 9 (erstwhile NH 10). Hisar, originally called 'Hisar Firoza' (also Hisar-e-Firoza) was founded by Firozshah Tuglaq in 1354 AD. The famous 'Ashoka Pillar' belonging to Emperor Ashoka (234 AD) present in the Hisar Fort reflects facets of ancient India. Hisar has 3 universities viz., CCS HAU, LUVAS and GJUS&T, 5 National and State Research Institutes viz. CIRB, CIEB, CSF, NRFMTTI, RFS and GLF. Hisar has a continental climate with very hot summers and very cold winters. The weather during October is pleasant and participating delegates are advised to carry light woollens.

## How to Reach Hisar ?

Hisar is well connected through buses (in day and night) from neighboring states as well as Delhi [Maharana Pratap Inter State Bus Terminus (ISBT) at Kashmiri Gate]. Hisar is also well connected with Ludhiana, Jaipur and Delhi by train.

