



Presentations of the Lecture Series on Agrometeorology

Organised by the South Asian Forum for Agricultural Meteorology (SAFOAM)

2025

Programme Details

Lecture Series I

Subject: Application of Artificial Intelligence , Machine Language & ICT in Agrometeorology
6th September, 2025

3.00 p.m. – 3.40 p.m.

[Building Climate Resilience in Agrifood Systems through AI-powered context-specific agromet advisory services for climate-resilient agriculture at scale by Dr Shalander Kumar, International Crops Research Institute for the Semi-Arid Tropics\(ICRISAT\). India](#)

3.40 p.m.-4.20 p.m.

[Application of Machine Learning in Agricultural Meteorology by Saon Banerjee, Department of Agricultural Meteorology and Physics, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, West Bengal, India](#)

4.20 p.m. – 5.00 p.m.

[ICT and Agrometeorology for Sustainable Agricultural Production in South Asia by Dr. Surender Singh, Professor/Principal Scientist, Department of Agril Meteorology CCS Haryana Agricultural University, Hisar, India](#)

Lecture Series II

Date: 13 September, 2025
Subject: Application for Climate Resilient Agriculture

3.00 p.m. – 3.20 p.m.

[Address by Mr. Bob Stefanski, Chief, Agromet Division, World Meteorological Organization \(WMO\), Geneva.](#)

3.20 p.m.-3.40 p.m.

[Climate Resilience in Agriculture Through Agrometeorology by M. Prabhakar, ICAR-Central Research Institute for Dryland Agriculture, Hyderabad, India](#)

3.40 p.m.-4.00 p.m.

[Micrometeorological modifications for climate resilience by Ananta Vashisth, Principal Scientist, Division of Agricultural Physics , ICAR- Indian Agricultural Research Institute, New Delhi, India](#)

4.00 p.m.-4.20 p.m.

[Impacts of Climate Variability and Change on Bhutan's Agriculture Sector: Reviewing Adaptive Pathways for Resilience. by Tshering Wangchen, Principal Agriculture Officer, Agrometeorology Program, Agriculture Research and Innovation Division, Department of Agriculture, Ministry of](#)

4.20 p.m.-4.40 p.m.

[Fostering Agromet Advisory Services For Resilience: Strategies in Bridging the Knowledge Gaps by R Rengalakshmi, Executive Director: Area Operations, M S Swaminathan Research Foundation, Chennai, India](#)

Lecture Series III

Date: 20 September, 2025

Subject: Early warning through Agromet Advisory Services

3.00 p.m.-3.30 p.m.

[Agrometeorological warnings and forewarnings for Pest and Disease management by M. C. Varshneya, 1Former Vice Chancellor, AAU, Anand and KU, Gandhinagar, India](#)

3.30 p.m.-4.00 p.m.

[Agrometeorology-based Crop-Pest-Disease Forewarning Systems in South Asia by S Banerjee, Department of Soil and Water Systems, University of Idaho-Boise, Boise, Idaho, USA](#)

4.00 p.m.-4.30 p.m.

[Co-creation of Digital Tool in Advancing the Use of Early Warning Systems for Safe and Sustainable Fishing Practices by S.Velvizhi, M S Swaminathan Research Foundation, Chennai, India](#)

4.30 p.m.-5.00 p.m.

[Interaction of Climate Attributes on Wildland Fires in the Himalayas: An Overview by Parminder Kaur Baweja, Principal Scientist, Directorate of Extension Education, Dr Yashwant Singh Parmar University of Horticulture and Forestry, Nauni, Solan, India](#)

5.00 p.m.-5.30 p.m.

[Agrometeorology of Extreme Events and Natural Disasters in Bangladesh by Mazharul Aziz, Agricultural Meteorology Expert, Building Climate Resilient Livelihoods in Vulnerable Landscapes in Bangladesh, Department of Agricultural Extension \(DAE\), Ministry of Agriculture \(MOA\), Bangladesh](#)

Lecture Series IV

Date: 11 October, 2025

Subject: Dissemination & Institutionalisation of Agromet Advisory Services

3.00 p.m. – 3.40 p.m.

[Smart dissemination of climate resilient agrometeorological information by Shah Kamal Khan, Former Project Director, Agrometeorological Information Systems Development Project, Department of Agricultural Extension \(DAE\), Ministry of Agriculture, Khamarbari, Dhaka, Bangladesh](#)

3.40 p.m. – 4.20 p.m.

[Institutionalisation and operationalization of Agromet forecasting services in Nepal by Manoj Kumar Thakur, Former Head of NATIC and Senior Scientist, NARC, Kathmandu, Nepal](#)

4.20 p.m. - 5.00 p.m.

[Institutionalization and Operationalization of agromet forecasting services in Sri Lanka by A. B. Abeysekera, Natural Resources Management Center, Department of Agriculture, Sri Lanka](#)

5.00 p.m-5.40 p.m.

[Impact of Agrometeorological Service on Farm Production by Dr Tejal Kanitkar, National Institute of Advanced Studies \(NIAS\), India.](#)

5.40 p.m.-6.20 p.m.

[Application of Remote Sensing in Agrometeorology in Improved Agricultural Production in South Asia by Dr. BimalKumar Bhattacharya, Group Director, Agriculture, Forestry and Ecosystem Sciences and Applications Group, Space Applications Centre, ISRO, Ahmedabad](#)

Lecture Series V
Date: 18 October, 2025
Subject: Climate Variability & Climate Change in Agricultural Production

3.00 p.m.-3.30 p.m.

[Usability of Sub-Seasonal to Seasonal Weather Forecast for Agriculture by Prof. U.C. Mohanty, Distinguished Professor, Centre for Climate Smart Agriculture \(CCSA\), Siksha 'O' Anusandhan \(Deemed to be University\), Bhubaneswar, Odisha, India and Dr. Nabansu Chattopadhyay, Secretary, South Asian Forum for Agricultural Meteorology \(SAFOAM\)](#)

3.30 p.m.-4.00 p.m.

[Monsoon Variability and its impact on Agriculture by Gade Sreenivas, Associate Director of Research, Regional Agricultural Research Station \(RARS\), Polasa, Jagtial, PJTAU, Telangana State, India](#)

4.00 p.m.-4.30 p.m.

[Understanding Crop-Weather Interactions for Sustainable Agriculture in South Asia Especially in Bangladesh by Prof. Md. Abdul Baset Mia, Department of Agrometeorology, Gazipur Agricultural University, Gazipur, Bangladesh](#)

4.30 p.m.-5.00 p.m.

[Climate variability and climate change: Impact on agriculture by Ajithkumar B, Associate Professor and Head, Department of Agricultural Meteorology, College of Agriculture, Kerala Agricultural University, Thrissur, Kerala, India](#)

Lecture Series VI
Date: 8 November, 2025
Subject: Role of Weather information & Forecast in Agromet Advisory Services for farm production

3.00 p.m.-3.30 p.m.

[WMO and SAFOAM collaboration on strengthening of agrometeorological activities in South Asia by Dr. Nabansu Chattopadhyay, Secretary, South Asian Forum for Agricultural Meteorology \(SAFOAM\)](#)

3.30 p.m.-4.00 p.m.

[Enhancing Research and Outreach through Agrometeorological Services at GAU by Prof. Md. Abdul Baset Mia, Department of Agrometeorology, Gazipur Agricultural University, Gazipur, Bangladesh](#)