

Webinar

on

Impact of increasing climate variability and climate change in agriculture

Speaker:

Dr James Salinger

International Climate Scientist

New Zealand

Date: 19th March, 2022

Time: 1400 -1500 IST

In the last two decades, an overwhelming consensus has emerged among scientists that the world has entered an era of rapid global climate change. Rapid global climate change is impacting agriculture in a variety of ways, including greater weather extremes such as severe droughts and floods, increased heat waves, pest pressures and impacts on crop yields. The exact nature and degree of these changes for any given region will be difficult to predict, although climate scientists are improving on their capacity to do so. To cope with climate change that is expected to be both rapid and unpredictable, and for farmers to remain economically viable in the face of these challenges, agricultural systems must be resilient and able to adapt to a changing climate.

Ecologically sound sustainable agricultural systems offer the most resilience for agricultural production in the face of the extreme precipitation, prolonged droughts and increasingly uncertain regional climate regimes expected with global climate change. Such resilience is critical for farmer profitability in the face of a volatile market and increasingly volatile weather conditions. These systems provide the best that agriculture can offer to the wide array of potential frameworks for climate change policy. Thus, calls upon federal policy makers to prioritize support for federal farm bill policies and programs that enable farmers to adopt sustainable and organic agricultural production systems to address the challenges posed by a rapidly changing and disruptive global climate and increasing extreme weather events.

Under the platform of International Society for Agricultural Meteorology (INSAM), a webinar on “Impact of increasing climate variability and climate change in agriculture” will be organised at **1400 hrs on 19th March, 2022**. Dr James Salinger is a New Zealand scientist and climate change researcher and teacher, worked for a range of universities in his home country and around the world, has been invited to address on this subject.



Dr James Salinger

Information about Dr James Salinger

Born in Dunedin in 1947, he completed a Bachelor of Science from the University of Otago in 1971, a Doctor of Philosophy from Victoria University of Wellington in 1981 and a Master of Philosophy in Environmental Law from the University of Auckland in 1999. Jim first worked as a scientist for the University of Otago Medical School from 1972-1975. Since then he has worked as a lecturer in geography (Victoria University of Wellington, 1976-1979), a senior research associate (University of East Anglia in England, 1980-1981), senior agricultural meteorologist (NZ Meteorological Service 1989-1992), and senior climate scientist with the National Institute Water & Atmospheric Research

A prolific communicator on climate change (credited with at least 190 publications identified by Google Scholar), Jim has been involved for more than 40 years in research on climate in NZ and the South Pacific. The World Meteorological Organisation's Commission for Agricultural Meteorology Commission honoured him an award for his exceptional services.

An honorary research fellow of the University of Auckland since 1994, he has been

- A member of the World Meteorological Organisation (vice-president . 1991);
- NZ's principal delegate to the World Meteorological Organisation's Commission for Agricultural Meteorology from 1986 to 2010;
- President of the World Meteorological Organisation's Commission for Agricultural Meteorology from 2006 to 2010.

A lead author for the Intergovernmental Panel on Climate Change, which collectively was awarded a Nobel Peace Prize in 2007 "for their efforts to build up and disseminate greater knowledge about man-made climate change, and to lay the foundations for the measures that are needed to counteract such change". His contributions have included lead authorship of most New Zealand-based scenarios "to facilitate impact and policy studies"

Details of the meeting.

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Saturday, 19 March 2:00 – 4:00pm

Speaker: Dr James Salinger, New Zealand

Google Meet joining info

Video call link [https:// meet.google.com/aen-gqtt-kyb](https://meet.google.com/aen-gqtt-kyb)