



Regional Webinar on

Impacts of Climate Change on

South Asian Monsoon

@ 2 p.m GMT+5 on Tuesday, 28th of July, 2020



Profiles of Speakers

South Asian monsoon is the strongest component of the global monsoon system. Monsoon contributes 80% of annual rainfall in South Asia. Shift in patterns of rainfall are a matter of life and death. Too little rain means harvests may fail affecting food prices and livelihoods of South Asian population which largely depends on agriculture. Too much rain and millions face the risk of flooding.

Monsoon in South Asia is vulnerable to the impacts of climate change. Global climate change is causing South Asia to experience an increasingly sparse and erratic rainfall pattern. Long term variation in atmospheric and precipitation patterns is causing severe impacts on environmental and socio-economic conditions in South Asia. Shift in monsoon pattern is reducing rainfall. Increase in rainfall intensity is causing devastation by flash flooding.

This year monsoon hit South Asian population earlier than expected. So far more than 1 million people have been affected by monsoon in South Asia. The webinar will draw upon the experience and expertise of leading scientists and experts from the BD, Nepal, Pakistan and Sri Lanka in advancing our understanding of the variability of the monsoon and its relationship with the changing climate system. It will foster dialogue, share knowledge and exchange experiences and best practices on possible responses to the changing South Asia monsoon.

The webinar is part of a series being organized by COMSATS Centre for Climate and Sustainability (CCCS) with the objective of gathering experts, policy-makers, practitioners and other stakeholders to discuss measures adopted by South Asian countries to tackle different challenges of monsoon and their efforts to sustain progress towards sustainable development.



Dr. Mohammad Ismail

Dr. Mohammad Ismail is serving as Associate Professor, Dept. of Applied Chemistry & Chemical Engineering, University of Dhaka, Dhaka, Bangladesh. He earned his PhD. in the area of Clean Energy and Environment, Carbon Capture, and Electricity from coal from University of Cambridge, United Kingdom.

Dr. Ismail has diverse experience of 17 years in the areas of Chemical Engineering, Cleaner Energy, Emission control Technology, Industrial Waste management, Pollution Control Technology and Improved Air Quality.



Dr. Madan Sigdel

Dr. Madan Sigdel is serving as Associate Professor in Central Department of Hydrology and Meteorology Tribhuvan University, Kathmandu, Nepal. He earned his PhD. in the area of Hydro-climatology of Nepal in relation to atmospheric circulation and indices from Hokkaido University, Japan.

Dr. Sigdel has 15 years of research experience and his research areas are Monsoon, Droughts, Climate Modeling, and Atmospheric Environment.



Dr. Zaheer Ahmad Babar

Dr. Zaheer Ahmad Babar is serving as Director in National Weather Forecasting Centre, Pakistan Meteorological Department. He earned his PhD.

on the topic of Variability of Indian Summer Monsoon during 20th and 21st Century from Nanjing University of Information Science and Technology, Nanjing, China.

Dr. Babar has 22 years of experience of meteorology and weather forecasting and his research interests are climate change and its influence on monsoon system, extreme climate events and their impacts, and flood analysis and their impacts



Ms. Anusha Rashanthi Patabadi Warnasooriya

Ms. Anusha Warnasooriya is serving as Director Climate Change and Research in Department of Meteorology, Srilanka. She

did her Masters in weather, climate and Modeling form University of Reading, United Kingdom.

Ms. Warnasooriya, has 25 years of experience in weather climate and modeling.



Dr. Vanisa Surapipith

Dr. Vanisa Surapipith is currently serving as senior researcher in National Astronomical Research Institute of Thailand. She earned her PhD. in Atmospheric

Sciences from School of Environmental Sciences, University of East Anglia, Norwich, United Kingdom (UK).

Dr. Surapipith has experience of 22 year in the field of Atmospheric Sciences. Her research interests are Climate Change, Atmospheric pollution and Climate and Atmospheric Modeling.

Hosted by

COMSATS Centre for Climate and Sustainability (CCCS)

To register for the webinar, please use the following link:

<https://us02web.zoom.us/j/81673227201?pwd=ZFdv d2RRaE9idWhibVZpaVJaaXJHUT09>

or send an email to Mr. Saifullah Dilazak saif.cccs@comsats.org



Ambassador Shahid Kamal

Moderator of Webinar
Head CCCS

