



ICCS Lecture Series Lecture- 2

Speaker

You're invited to Join Online
Lecture on

“Relevance of Recent IPCC Reports for India”



 Monday, 13 June 2022

 3.00 PM – 4.30 PM

Dr. (Smt.) Swapna Panickal
Scientist E
Indian Institute of Tropical
Meteorology, Pune

To Join:

[https://meet.google.com/
bnc-jrwc-wax](https://meet.google.com/bnc-jrwc-wax)



Join us live on YouTube:

<https://youtu.be/5NIMYC2IjRU>

Abstract of the Lecture

Relevance of Recent IPCC Reports for India

The Intergovernmental Panel on Climate Change Sixth Assessment Report (IPCC AR6) provides the most updated physical understanding of the climate system and climate change by combining multiple lines of evidence. The report shows that human-caused climate change is already affecting every region on Earth in multiple ways. For the 1.5°C of global warming – there will be increases in the intensity and frequency of heat waves, extreme precipitation and droughts. Over the Indian region, the report highlights that the summer monsoon precipitation has weakened in the second half of the 20th century by the anthropogenic aerosol forcing. The precipitation is projected to increase by the end of the 21st century, however with large inter-annual variability. Indian Ocean has warmed faster than the global average. As a result the mean sea-level and extreme sea level will continue to rise in the 21st century. Arabian Sea is projected warm more; as a result coastal areas will experience continued sea level rise throughout the 21st century along the Kerala coastline. Sixth Assessment Report provides a more detailed regional assessment of climate change useful for framing adaptation and mitigation strategies.