

# Floods & Droughts: Basic Science and Predictions



MINISTRY OF EARTH SCIENCES



## Dr. A. K. Sahai

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Dr. Atul Kumar Sahai is scientist at IITM. He led to the development and operationalisation of a dynamical ensemble system for predicting heat and cold wave, onset and active-break cycles of monsoon, cyclogenesis etc. 2-3 weeks in advance. As the Head, Climate Research and Services, IMD, Pune he has implemented Global Framework for Climate Services and established the Regional Climate Centre. In recognition of his expertise, Dr. Sahai has been appointed as SSC member, WWRP, WMO for providing scientific guidance in S2S project.

### About the Talk

Droughts and floods across India are known to have complex linkages with the space-time distribution of monsoon rainfall. Every year these hydroclimatic extremes cause loss of life and property. Therefore, monitoring and prediction of Flood/Drought at fine spatial and temporal resolution is not only important but challenging and can be achieved by the combined use of historic observations, satellite and forecast products, and hydrologic models. In this talk, we will discuss how these disasters are monitored and forecasted to minimize the socio-economic losses.

MoES Webinar Series

24<sup>th</sup> Live Talk

12:00 – 01:00 PM IST

30<sup>th</sup> JULY  
2020

 <https://youtu.be/pZPbTmdo4LQ>

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