



INDIAN OCEAN WARMING AND MONSOON EXTREMES

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The recent decades have seen a phenomenal increase in monsoon droughts and floods over India. While there is a reduction of up to 10% in the monsoon rains over central India, the extreme rainfall events have increased by three-fold. What are the factors intensifying the monsoon variability? If the monsoon circulation is weakening, why are we having extreme rains and floods? Can we predict these extremes well in advance? In this talk, we will try to see how the monsoon has changed during the past 6 decades, and provide important clues to some of these confounding questions.