

Impact of Climate Change upon the Indian subcontinent

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Ministry of Earth Sciences (MoES) in 2020 has published 'Assessment of Climate Change over the Indian Region', which contains a comprehensive assessment of the impact of climate change upon the Indian subcontinent. The highlights of the report follows:

1. India's average temperature has risen by around 0.7 deg. C during 1901-2018.
2. Frequency of daily precipitation extremes (rainfall intensities >150 mm per day) increased by about 75% during 1950-2015.
3. The frequency and spatial extent of droughts over India has increased significantly during 1951-2015.
4. Sea-level rise in the North Indian Ocean occurred at a rate of 3.3 mm per year in the last two and half decades (1993-2017).
5. Frequency of Severe Cyclonic Storms over Arabian sea has increased during the post monsoon seasons of 1998-2018.

India Meteorological Department (IMD) routinely monitors Climate over Indian Region and bring out yearly publication viz. "Annual Climate summary". IMD issues monthly climate summary. Annual climate summary includes information about the temperature, Rainfall and extreme weather events occurring during the concerned period.

This information was given by the Union Minister of Earth Sciences, Shri Kiren Rijiju in a written reply in the Lok Sabha today.

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