



Outlook for November 2023

1. Synoptic Situation:

Considering positive phases of climate indicators like El Niño Southern Oscillation (ENSO) and Indian Ocean Dipole (IOD), which are expected to persist for the month of November, the climatic outlook for Pakistan in the forecast month is as follows:

2. Monthly Rainfall Outlook:

Overall a tendency for **normal* to slightly above normal** rainfall is expected in the most parts of the country. The northern half of the country comprising of Khyber Pakhtunkhwa, Kashmir, Gilgit-Baltistan and northern Punjab are expected to receive slightly above normal rainfall during the forecast month. Sindh, southern Punjab and most parts of Balochistan may get near normal rainfall during November 2023.

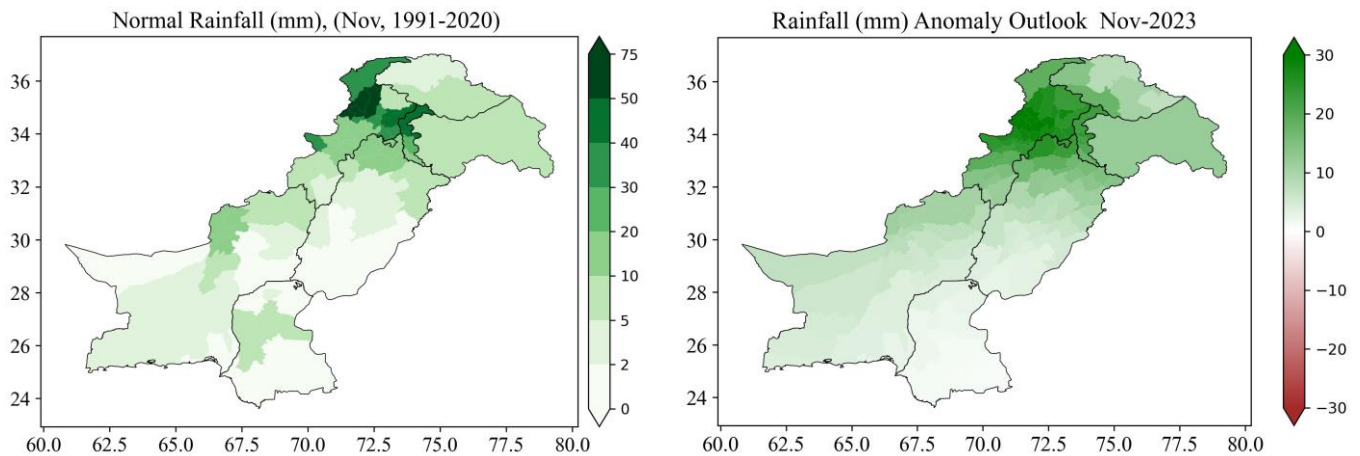


Figure 1: Normal (1991-2020) rainfall and monthly anomaly outlook for November 2023

3. Monthly Temperature Outlook:

Temperatures are forecasted to remain slightly **above normal*** nationwide, with maximum departure over eastern Gilgit Baltistan and western Balochistan.

*Normal = 30-years (period) average climatology

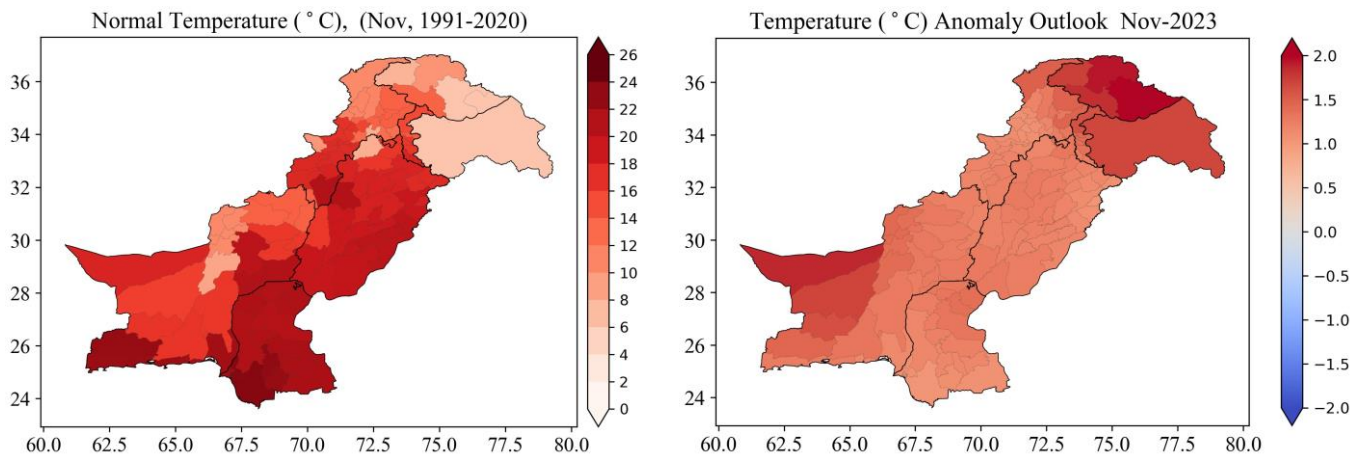


Figure 2: Normal (1991-2020) temperature and monthly anomaly outlook for November 2023

4. Impacts:

- Fog/Smog is likely to persist in the plains of Punjab and Upper Sindh during the month of November.
- Isolated showers/ hails/windstorms may disrupt the harvesting activities of Kharif crops, particularly in the central parts of Khyber Pakhtunkhwa and Punjab.
- Reasonable soil moisture is expected to be available for sowing of upcoming Rabi crops.
- Satisfactory amount of water for irrigation and power sectors would be available during the forecast month.
- The expected temperature and humidity conditions may favour dengue persistence in major cities particularly in the central and southern parts of the country during the month of November.

Note: Considering the dynamic nature of the climate system the outlook is updated monthly during the last week of each month.