



Outlook for November-December-January (NDJ), 2023-24

1. Synoptic Situation:

During the season NDJ, 2023-24 positive phase of climate indicator like El Niño Southern Oscillation (ENSO) is expected to persist, whereas the positive phase of the Indian Ocean Dipole (IOD) is expected to make transition to neutral by the end of the season. Based on the current atmospheric conditions, the climatic outlook for Pakistan is as follows:

2. Seasonal Outlook (Rainfall):

As per seasonal forecast **normal*** to **slightly above normal** rainfall is expected in western and north-western parts of the country i.e., Khyber Pakhtunkhwa and Balochistan along with upper Punjab and adjoining Kashmir, due to prevailing western weather systems.

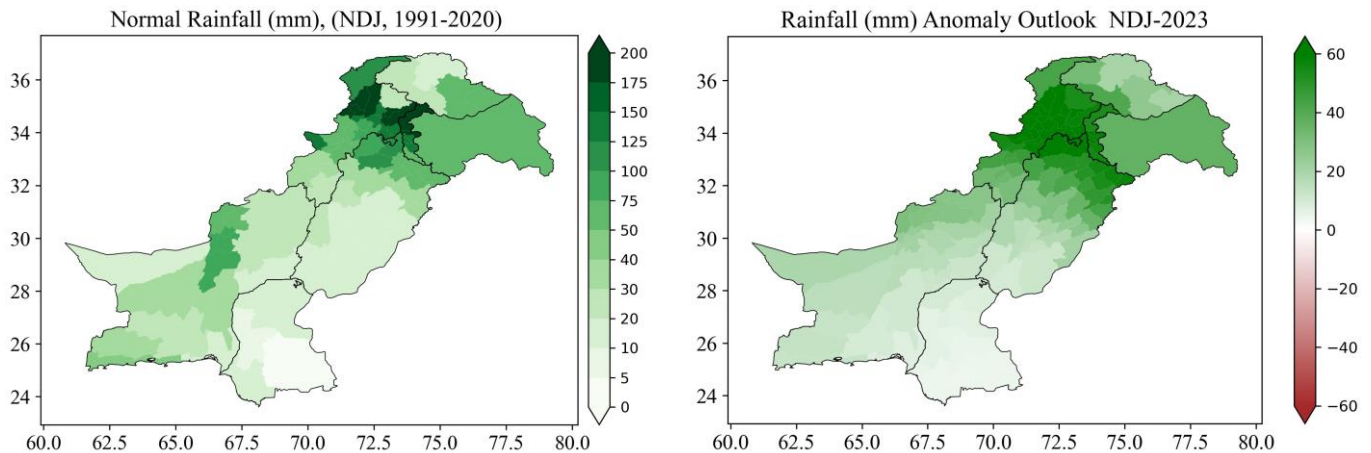


Figure 1: Normal (1991-2020) rainfall and monthly anomaly outlook for NDJ 2023

3. Seasonal Temperature Outlook:

Temperatures are predicted to remain **above normal*** nationwide. The southwestern parts of Balochistan, upper Khyber Pakhtunkhwa and Gilgit-Baltistan are expected to experience slightly above-normal temperatures.

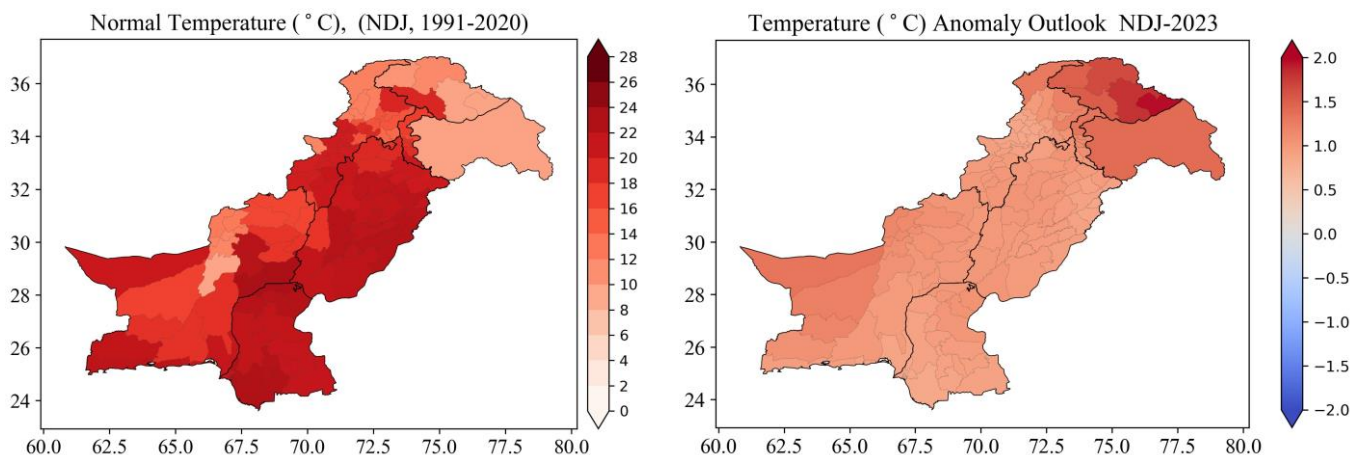


Figure 2: Normal (1991-2020) temperature and monthly anomaly outlook for NDJ 2023

4. Impacts:

- Considerable amount of water would be available for standing crops and vegetables.
- Isolated showers/ hails/windstorm may disrupt the harvesting activities of Kharif crops, particularly in the upper parts of the country during the start of the season.
- Reasonable soil moisture is expected to be available for the sowing of upcoming Rabi crops.
- During the gaps between intermittent rainfall spells thick foggy condition are expected to develop in the plain areas of the country.
- Satisfactory amount of water for irrigation and power sectors would be available during the outlook period.

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