



Outlook for December-January-February (DJF), 2023-24

1. Synoptic Situation:

During the season DJF, 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 at 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 outlook **normal*** to **slightly above normal** rainfall is expected in northern half of the country i.e., Khyber Pakhtunkhwa and northern Balochistan along with upper Punjab and adjoining Kashmir, due to prevailing western weather systems.

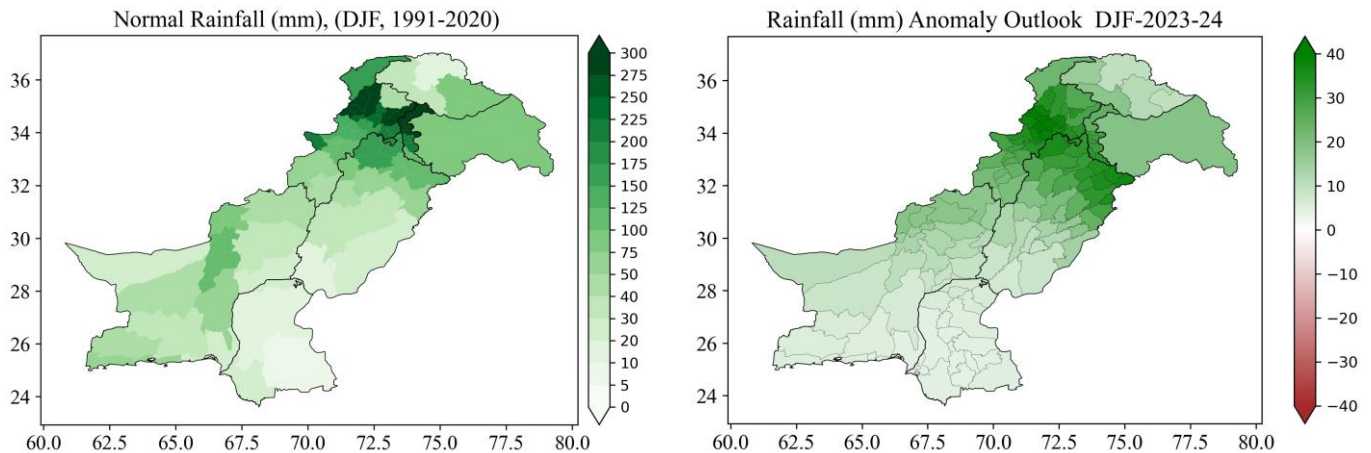


Figure 1: Normal (1991-2020) rainfall and monthly anomaly outlook for DJF 2023

3. Seasonal Temperature Outlook:

Temperatures are expected to remain **above normal*** nationwide with maximum departure over upper Khyber Pakhtunkhwa and Gilgit-Baltistan.

*Normal = 30-years (period) average climatology

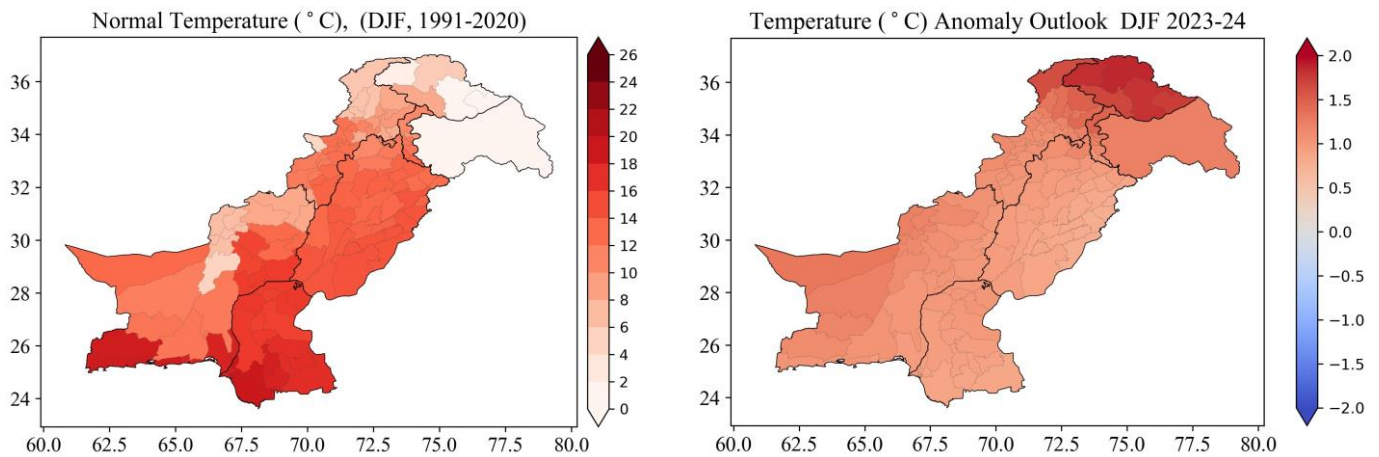


Figure 2: Normal (1991-2020) temperature and monthly anomaly outlook for DJF 2023

4. Impacts:

- Reasonable soil moisture is expected to be available for sowing and early growth of upcoming Rabi crops.
- The expected temperature and humidity conditions would be favourable for dengue outbreak in southern parts of the country during December.
- During the gaps between intermittent rainfall spells thick foggy condition are expected to develop in 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.

*Normal = 30-years (period) average climatology