



Outlook for February-March-April (FMA), 2024

1. Synoptic Situation:

During the season FMA, 2024, 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) has made transition to a neutral state during January and is expected to remain neutral throughout the season FMA, 2024. Based on the current atmospheric conditions, the climatic outlook for Pakistan is as follows:

2. Seasonal Outlook (Rainfall):

As per seasonal outlook **nearly normal*** rainfall is expected in most parts of the country during the season FMA, 2024.

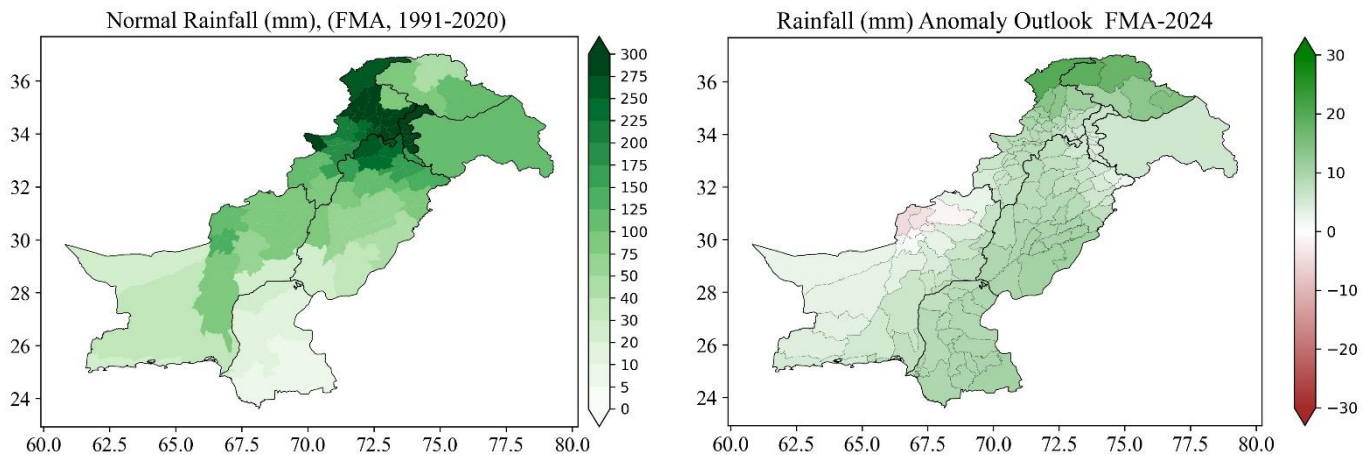


Figure 1: Normal (1991-2020) rainfall and monthly anomaly outlook for FMA 2024

3. Seasonal Temperature Outlook:

Temperatures (both day time maximum and night time minimum) are expected to remain **above normal*** nationwide with maximum departure over upper Khyber Pakhtunkhwa and Gilgit-Baltistan.

*Normal = 30-years (period) average climatology

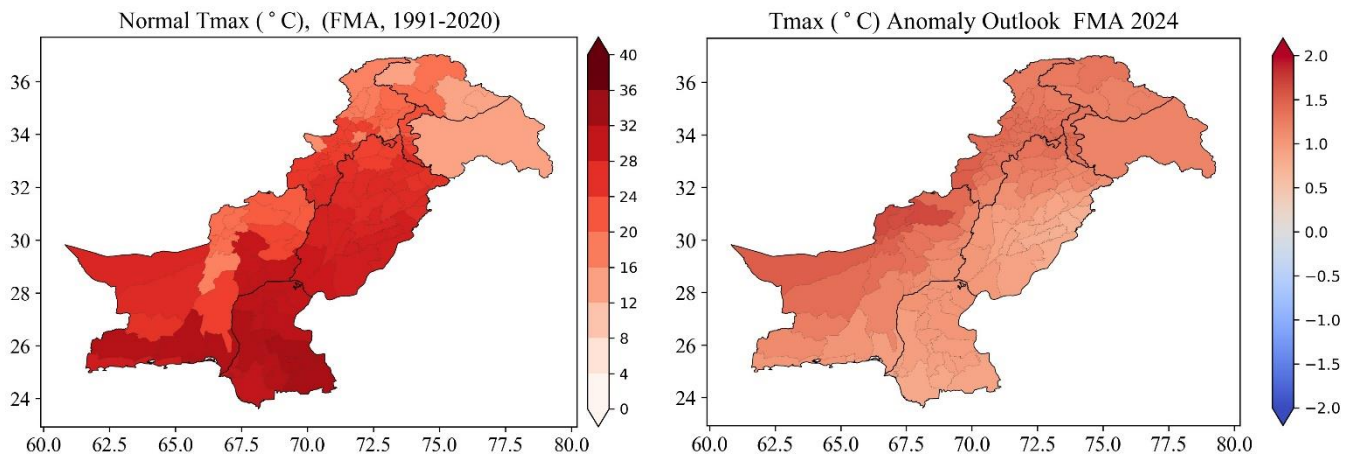


Figure 2: Normal (1991-2020) maximum temperature and monthly anomaly outlook for FMA 2024

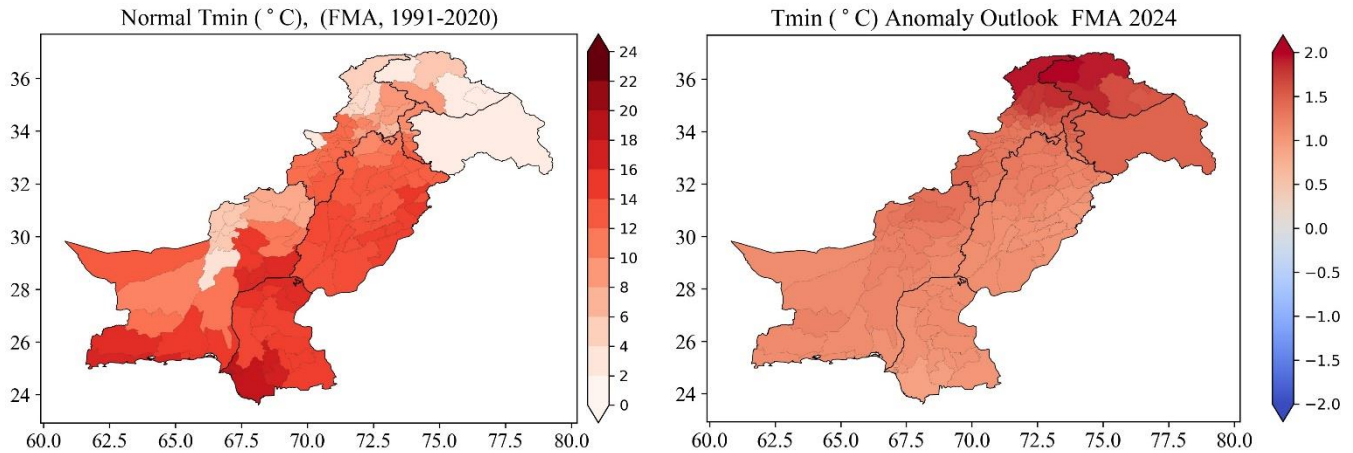


Figure 3: Normal (1991-2020) minimum temperature and monthly anomaly outlook for FMA 2024

4. Impacts:

- The fog episodes are likely to continue till the end of February in the plains of Sindh and Punjab.
- Day time temperature would increase with the season throughout the country. Accordingly, irrigation at regular intervals would be required for standing crops.
- The onset of the pollen season is anticipated to occur in the first week of March, facilitated by rainfall episodes after mid-February.
- High temperatures could shorten the Rabi crop growing season's length in plains of Sindh and Punjab.
- The atmospheric conditions are suggestive for the likelihood of heat wave development towards the end of the season; especially over the plain areas of the country.

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