



Outlook for April-May-June (AMJ), 2024

1. Synoptic Situation:

During the season AMJ, 2024, positive phase of climate indicator like El Niño Southern Oscillation (ENSO) is expected to make a transition to the neutral state, whereas the neutral phase of Indian Ocean Dipole (IOD) is expected to persist throughout the season AMJ, 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 however the upper half of the country may get slightly above normal rainfall during the season AMJ, 2024.

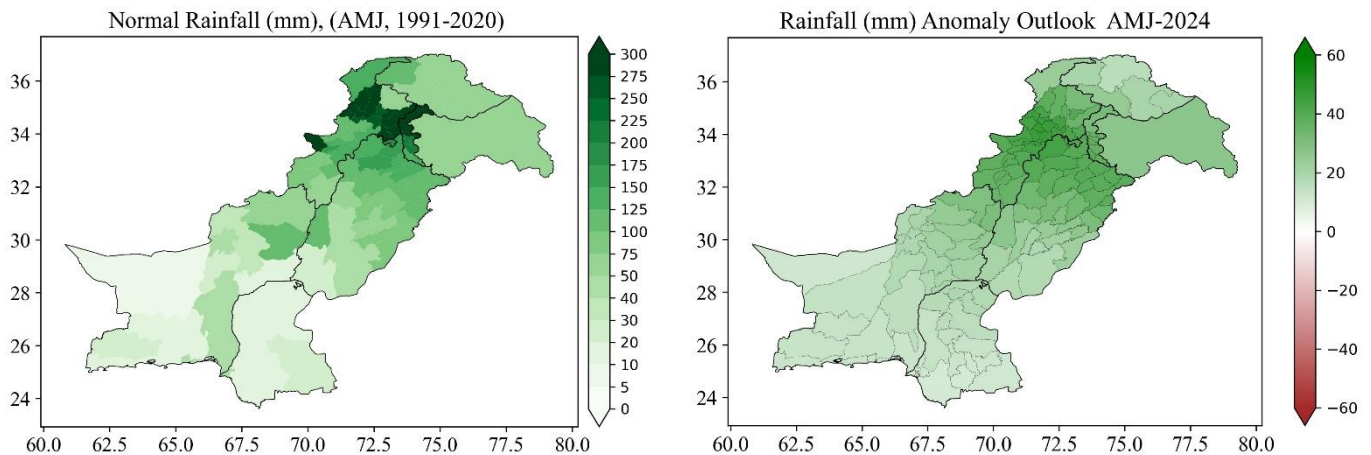


Figure 1: Normal (1991-2020) rainfall and monthly anomaly outlook for AMJ 2024

3. Seasonal Temperature Outlook:

Nationwide, temperatures, including both daytime and nighttime, are forecasted to be higher than **normal***. The nighttime temperatures may particularly surpass normal levels across most regions of the country, with the most significant deviation expected over northern Khyber Pakhtunkhwa and Gilgit-Baltistan.

*Normal = 30-years (period) average climatology

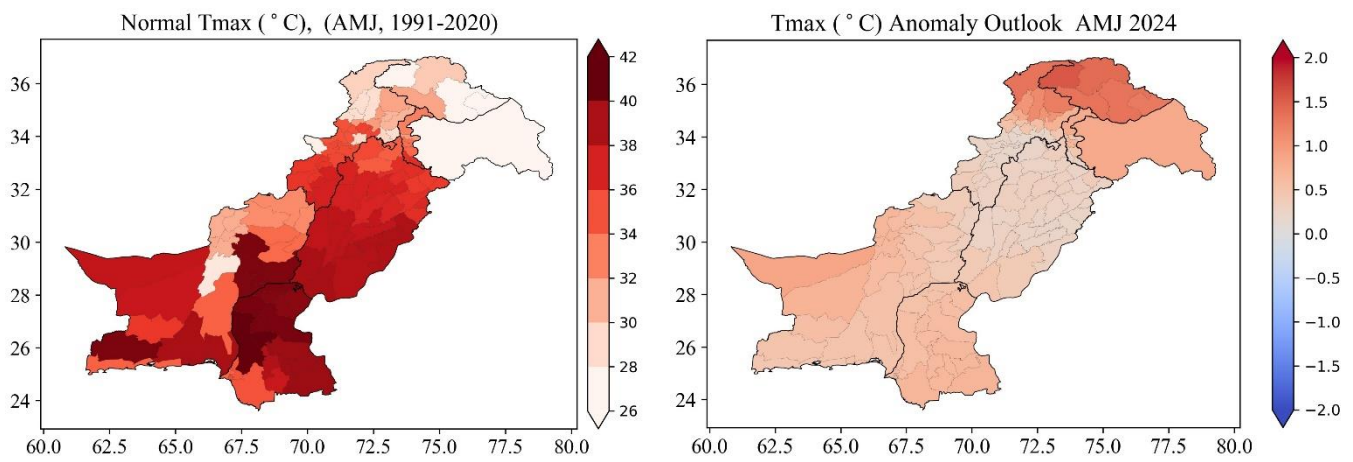


Figure 2: Normal (1991-2020) maximum temperature and monthly anomaly outlook for AMJ 2024

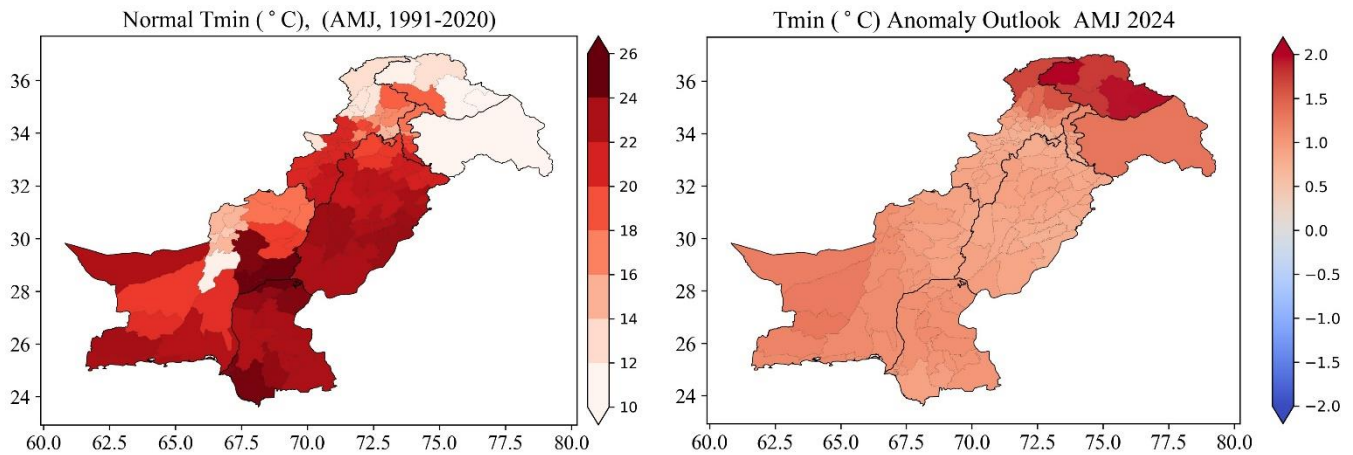


Figure 3: Normal (1991-2020) minimum temperature and monthly anomaly outlook for AMJ 2024

4. Impacts:

- Considerable amount of soil moisture is available in the fields based on the recently prevailed weather conditions, which is expected to persist during the current season.
- Day time temperature would increase with the progression of season throughout the country. Accordingly, irrigation at regular intervals would be required for seasonal vegetables and newly sown Kharif crops.
- The pollen season expected to come to an end in the middle of April.
- The atmospheric conditions are supportive for the likelihood of heat wave development; especially over the plain areas of the country in the months of May and June.
- Strong winds, dust storms, and hailstorms are highly likely in the season.

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