

## Climate Prediction Center's Central Asia Hazards Outlook For USAID / FEWS-NET 28 March – 3 April 2024

### Temperature:

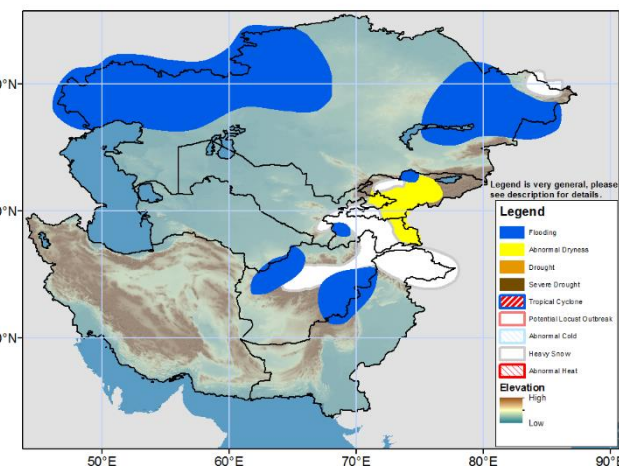
Weekly average minimum temperatures were below average (-6 to -2°C) in parts of north-central and northwestern Kazakhstan from 19 – 25Mar2024. Minimum temperatures were above average (2 to 6 °C) in parts of eastern, central, and southern Kazakhstan, Uzbekistan, Turkmenistan, most of Afghanistan, western Tajikistan, parts of northern, eastern, and western Kyrgyzstan, northern, southern, and eastern Iran, and central and southern Pakistan. Minimum temperatures were much above average (6 to 8 °C) in northwestern and parts of southern Afghanistan, central Uzbekistan, southeastern Turkmenistan, parts of south-central Kazakhstan, and southwestern Pakistan. Weekly average minimum temperatures were observed between -15 to -10°C in north-central Kazakhstan, parts of central and southeastern Kyrgyzstan, and far northern Pakistan. Most of Kyrgyzstan, west-central, central, and eastern Tajikistan, parts of central and northeastern Afghanistan, parts of northern, central, and eastern Kazakhstan, and northern Pakistan observed average minimum temperatures between -10 to 0 °C.

The GEFS model forecasts below average minimum temperatures (-4 to -1°C) in northern, southern, and western Afghanistan, eastern Turkmenistan, southeastern Uzbekistan, southwestern Tajikistan, parts of southern and eastern Iran, and southwestern Pakistan from 28Mar – 03Apr2024. In the early and middle part of the valid period, minimum temperatures are expected to be below average (-8 to -4 °C) in northern, southern, and western Afghanistan, southeastern Uzbekistan, southwestern Tajikistan, eastern Turkmenistan, south-central Kazakhstan, southwestern Pakistan, and eastern and central Iran. In contrast, weekly average minimum temperatures are forecasted to be above average (2 to 6°C) in much of northern and central Kazakhstan, parts of central and northeastern Afghanistan, central Kyrgyzstan, eastern and parts of central Tajikistan, northern Pakistan, and northwestern Iran. Minimum temperatures could be much above average (6 to 10°C) in north-central and northwestern Kazakhstan and eastern Tajikistan. Much of northern Kazakhstan could observe minimum temperatures between 8 to 12 °C above average throughout the valid period. Weekly mean minimum temperatures are forecasted between -20 to -10°C in parts of southeastern and southwestern Kyrgyzstan, eastern Tajikistan, northeastern Afghanistan, and far northern Pakistan.

### Precipitation:

Moderate precipitation (10 to 50mm) was observed in parts of eastern and northeastern Afghanistan, parts of western and northern Turkmenistan, eastern, north-central, and western Uzbekistan, western and central Tajikistan, much of southern Kazakhstan, northern and parts of western Kyrgyzstan, parts of west-central Pakistan, and parts of northeastern and western Iran from 19 – 25Mar2024. Heavy precipitation (50 to 200mm) was observed in western Iran, resulting in flooding across multiple provinces. Flooding was also reported in northern Afghanistan (Badghis, Faryab, Sar-e Pol, and Jowzjan), killing five people and hundreds of livestock, as well as destroying hundreds of houses and thousands of hectares of cropland. In addition, enhanced snowmelt led to flooding in the Aktobe and Abai provinces of northern Kazakhstan, and heavy rainfall resulted in flooding across districts surrounding the capitals of Tajikistan (Dushanbe) and Kyrgyzstan (Bishkek).

The GEFS weekly ensemble mean forecasts moderate precipitation (10-50mm) across much of northern, northeastern, central, and eastern Afghanistan, northern and west-central Pakistan, Tajikistan, Kyrgyzstan, eastern Uzbekistan, and north-central and parts of eastern Kazakhstan from 28Mar – 03Apr2024. Heavy precipitation (50 to 150mm) is expected in parts of northeastern Afghanistan and northern Pakistan. A heavy snowfall polygon is posted in northeastern and central Afghanistan, western and central Tajikistan, northern Pakistan, northeastern and southeastern Uzbekistan, western and northern Kyrgyzstan, and parts of eastern Kazakhstan. Precipitation and snowmelt may result in flooding in northwestern and eastern Afghanistan, northwestern and northeastern Kazakhstan, west-central Tajikistan, and northwestern Kyrgyzstan.



**Note:** The Hazards outlook map is based on current weather/climate information, short and medium range weather forecasts (up to 1 week), sub-seasonal forecasts up to 4 weeks, and assesses the potential impact of extreme events on crop and pasture conditions. Shaded polygons are added in areas where anomalous conditions have been observed and predicted to continue during the outlook period. The boundaries of these polygons are only approximate at the spatial scale of the map. This product takes into account long range seasonal climate forecasts but does not reflect current or projected food security conditions. FEWS NET is a USAID-funded activity whose purpose is to provide objective information about food security conditions. Its views are not necessarily reflective of those of USAID or the U.S. Government. The FEWS NET weather hazards outlook process and products include participation by FEWS NET field and home offices, NOAA-CPC, USGS, USDA, NASA, and a number of other national and regional organizations in the countries concerned. Questions or comments about this product may be directed to Dr. Wassila Thiaw, Head, International Desks/NOAA, [wassila.thiaw@noaa.gov](mailto:wassila.thiaw@noaa.gov). Questions about the USAID FEWS NET activity may be directed to Dr. James Verdin, Program Manager, FEWS NET/USAID, [jverdin@usaid.gov](mailto:jverdin@usaid.gov).