

Climate Prediction Center's Central Asia Hazards Outlook For USAID / FEWS-NET 23 December – 29 December, 2021

Temperature:

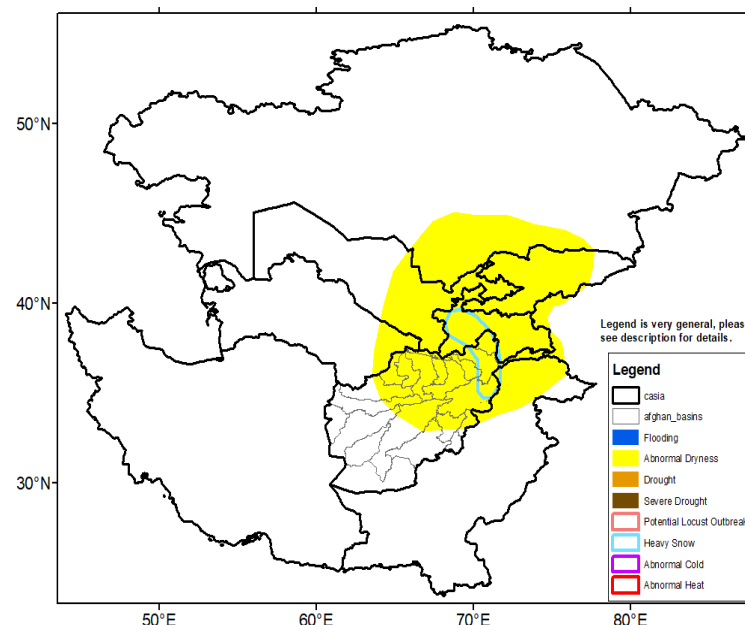
Weekly average minimum temperatures were above normal (2 to 8 °C) across northwest, northern, and southern Kazakhstan, western and central Uzbekistan, and southwest Kyrgyzstan during 14 December – 20 December, 2021. In contrast, below normal mean temperatures were observed across southern Afghanistan, eastern Tajikistan, and northeast Kyrgyzstan. Weekly average minimum temperatures were observed around -5 to -15 °C across Kyrgyzstan, Tajikistan, northwest, northern and eastern Kazakhstan, while minimum temperatures were around 0 to -10 °C across central and northeast Afghanistan, western Uzbekistan, northwest Turkmenistan, and southern Kazakhstan.

The GEFS model forecasts above normal temperature (2 to 8 °C) across central and eastern Kazakhstan, western and northern Kyrgyzstan, southeast Afghanistan, and southern and central Pakistan during 23 December – 29 December. Weekly average temperatures are forecast around 0 to -10 °C across western, northern and eastern Kazakhstan. Weekly average minimum temperatures are forecast around 0 to -15 °C across Kyrgyzstan, Tajikistan, Kazakhstan, central and northeast Afghanistan, and northern Pakistan. Weekly minimum temperatures are forecast to average more than -20 °C below across eastern Tajikistan.

Precipitation:

Light precipitation was observed across northwest, southeast and northeast Kazakhstan, eastern Uzbekistan, western Tajikistan, and northern Afghanistan during the period 14 December – 20 December, 2021. Based on USGS snowfall and snow water equivalent (SWE) analysis, negative snow depth and SWE anomalies currently exists across Tajikistan, northeast and central Afghanistan, western and eastern Kyrgyzstan, and northwest Pakistan. The multiple rainfall estimates of 30-day precipitation depicts below normal rainfall around 25 mm across central Kyrgyzstan and southeast Kazakhstan. The current abnormal dryness hazard is extended to central and some regions of northern Kyrgyzstan and southeast Kazakhstan.

The GEFS weekly ensemble mean forecasts light to moderate precipitation across Tajikistan, central and northern Afghanistan, Kazakhstan, southern Kyrgyzstan, eastern and western Uzbekistan, western Turkmenistan, and northern Pakistan during 23 December – 29 December. Heavy snowfall is predicted across western Tajikistan, and northeast Afghanistan during outlook period.



Note: The Hazards outlook map is based on current weather/climate information, short and medium range weather forecasts (up to 1 week), and assesses their potential impact on crop and pasture conditions. Shaded polygons are added in areas where anomalous conditions have been observed. The boundaries of these polygons are only approximate at this continental scale. This product does not reflect long range seasonal climate forecasts or indicate current or projected food security conditions.

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