

Climate outlook

Mashhad, October 2017– Multi-model statistically weighted seasonal forecast for October 2017 to January 2018 prepared by Mashhad Climate Center (MCC)/National Center for Climatology indicates that the most of West Asian and ECO region countries may experience normal to bellow normal precipitation.

In the same time, Most of ECO region is expected to be normal to above normal temperature. A neutral condition is predicted for ENSO.

• **Niño forecast**

The collection of latest ENSO prediction models indicates coolish ENSO-neutral or weak La Niña as two possible scenarios during Northern Hemisphere fall and winter. In the most recent week, the SST anomaly in the Niño3.4 region was -0.6 C, in the ENSO-neutral range .(Fig 1 and 2).

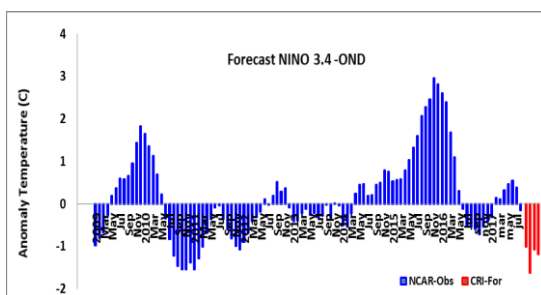


Fig 1. Niño3.4 forecast indicates a neutral condition during October to December 2017.

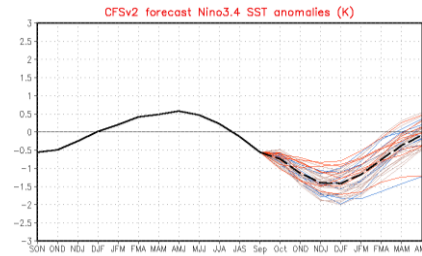


Fig. 2. NCEP-CFS v2 ENSO forecast system

• **Precipitation**

Seasonal precipitation forecasts over West Asian Countries and ECO (WACE) region are shown in figures 3 to 4 for the periods of October 2017 to January 2018.

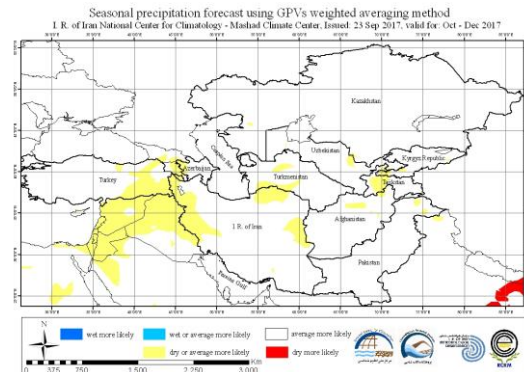


Fig 3. Precipitation forecast over West Asian countries and ECO (WACE) region Oct–Dec 2017.

In the first lead time precipitation in the most of WACE region and Iran will be normal condition. But in the parts of Afghanistan, Turkmenistan, Turkey and Iran is expected to be bellow normal.

During November 2017 to January 2018 the precipitation in the most of WAE countries expected to be normal condition. it will be below normal in the Pakistan, parts of Afghanistan and Turkey. Figure 4 is showing the details of the precipitation forecast in the region.

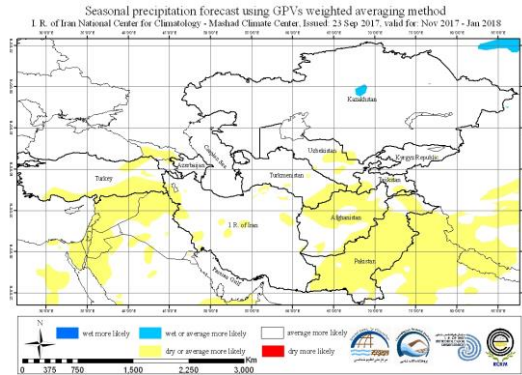


Fig. 4. Precipitation forecast over West Asian countries and ECO region for Nov 2017–Jan 2018.

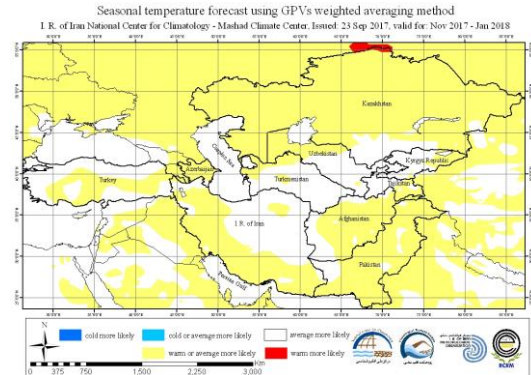


Fig 6. Mean temperature forecast over West Asian countries and ECO region for Nov 2017–Jan 2018.

• **Temperature**

Mean seasonal temperature forecast over ECO region is shown in figures 5 and 6 October 2017 to January 2018.

In the period of November 2017 to January 2018, Temperature in the most of WACE countries expected to be normal to above normal. Temperature in the most of Kazakhstan, in parts of Turkey, Turkmenistan, Afghanistan, Pakistan, Uzbekistan, and Iran expected to be normal.

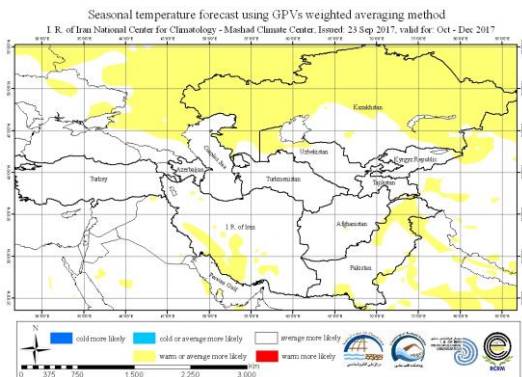


Fig 5. Mean temperature forecast over West Asian countries and ECO region for Oct–Dec 2017.

Most of ECO countries will have normal temperature. In parts of Iran and Kazakhstan, expected to be above normal condition.

**Seasonal prediction newsletter
Mashhad Climate Centre(MCC) and
ECO-Regional Centre for Risk
Management of natural disasters
(ECO-RCRM)**

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