

Climate outlook

Mashhad, January 2018– Multi-model statistically weighted seasonal forecast January to April 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 below 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 weak, but not far from threshold of moderate, La Niña as the most likely scenario for the Northern Hemisphere winter, lasting into spring. The most recent weekly anomaly in the Niño3.4 region was -0.8, showing weak La Niña (Fig 1 and 2).

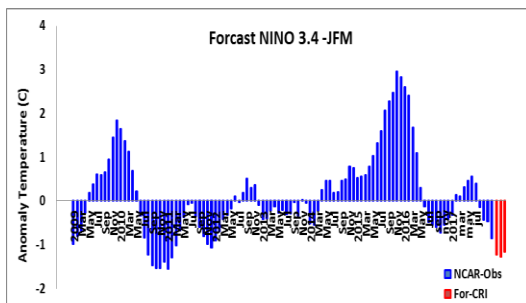


Fig 1. Niño3.4 forecast indicates less than -0.8°C El-Niño condition during December January to March 2018.

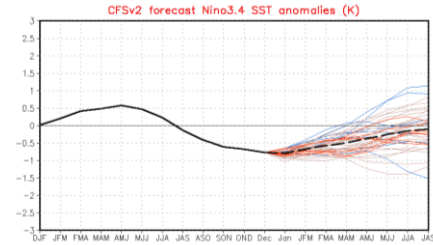


Fig. 2. NCEP-CFS v2 ENSO forecast system

• **Precipitation**

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

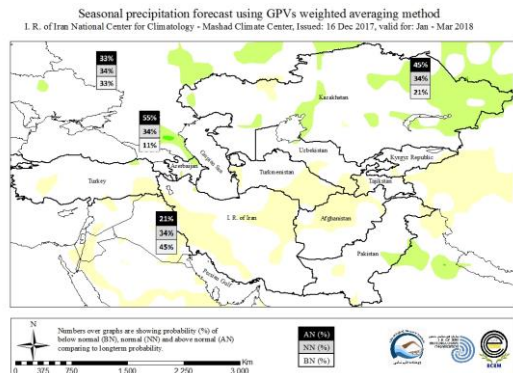


Fig 3. Precipitation forecast over West Asian countries and ECO (WACE) region for Jan - Mar 2018.

In the first lead time precipitation in the most of WACE region and Iran will be normal to below normal condition. It will be above normal in the parts of Kazakhstan and Pakistan.

During February to April 2018 the precipitation in the most of WAE countries expected to be normal to below normal condition. But it is above normal in Kazakhstan. Figure 4 is showing the details of the precipitation forecast in the region.

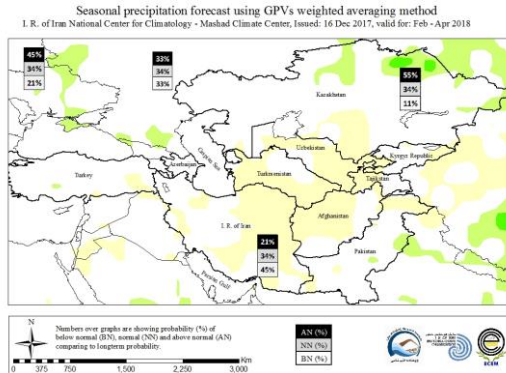


Fig. 4. Precipitation forecast over West Asian countries and ECO region for Feb–Apr 2018.

• **Temperature**

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

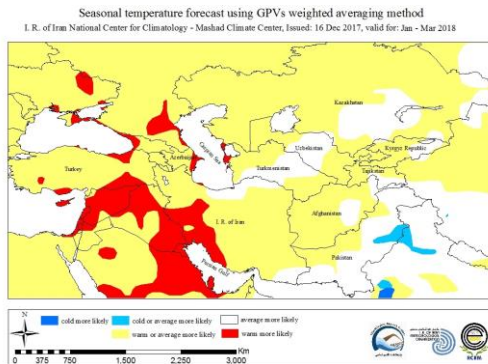


Fig 5. Mean temperature forecast over West Asian countries and ECO region for Jan - Mar 2018.

Most of ECO countries will have above normal temperature. In parts of Kazakhstan, Uzbekistan, Afghanistan, Turkmenistan, Pakistan and North and Northeast of Iran expected to be Normal condition.

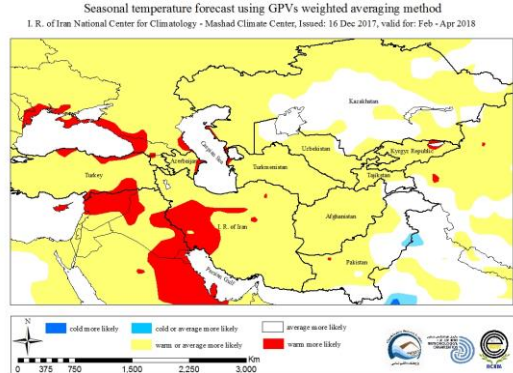


Fig 6. Mean temperature forecast over West Asian countries and ECO region for Feb–Apr 2018.

In the period February to April 2018 Temperature in the most of WACE countries expected to be above normal. Temperature in parts of Kazakhstan, Uzbekistan and Pakistan expected to be Normal.

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

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