

Climate outlook

Mashhad, December 2017– Multi-model statistically weighted seasonal forecast December 2017 to March 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 above 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 La Niña as the most likely scenario for the remainder of Northern Hemisphere fall and for the winter. The most recent weekly anomaly in the Niño3.4 region was -1.1, qualifying for moderate La Niña for just that week (Fig 1 and 2).

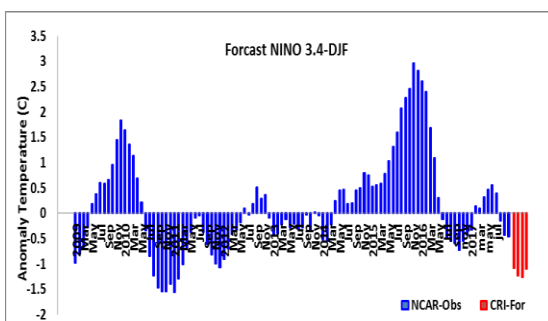


Fig 1. Niño3.4 forecast indicates less than -0.5°C El-Niño condition during December 2017 to February 2018.

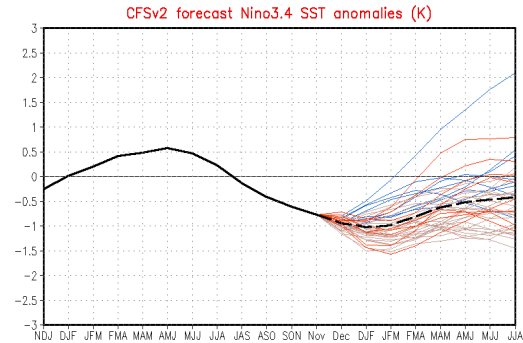


Fig. 2. NCEP-CFS v2 ENSO forecast system

• **Precipitation**

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

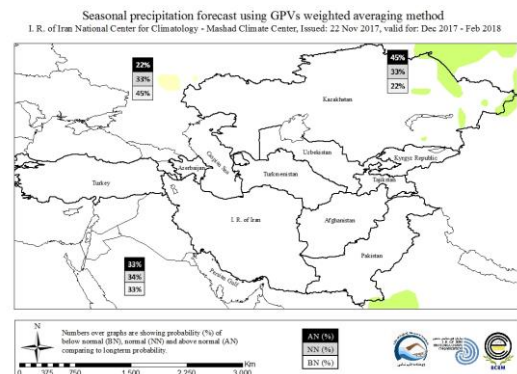


Fig 3. Precipitation forecast over West Asian countries and ECO (WACE) region for December 2017 – February 2018.

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

During January to March 2018 the precipitation in the most of WAE countries expected to be normal condition. But it is normal to above normal in Kazakhstan. precipitation will be below normal in the parts of Afghanistan and East of Iran. Figure 4 is showing the details of the precipitation forecast in the region.

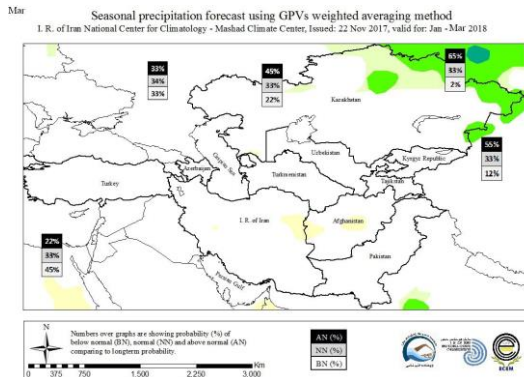


Fig. 4. Precipitation forecast over West Asian countries and ECO region for January to March 2018.

• **Temperature**

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

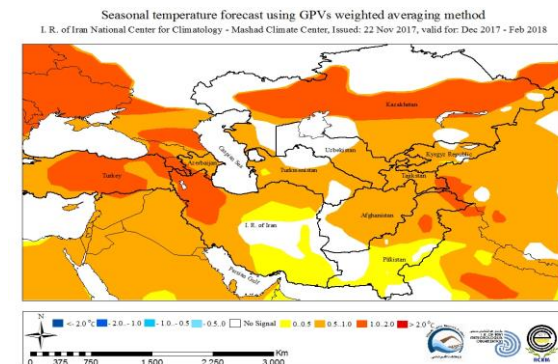


Fig 5. Mean temperature forecast over West Asian countries and ECO region for December 2017 – February 2018.

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

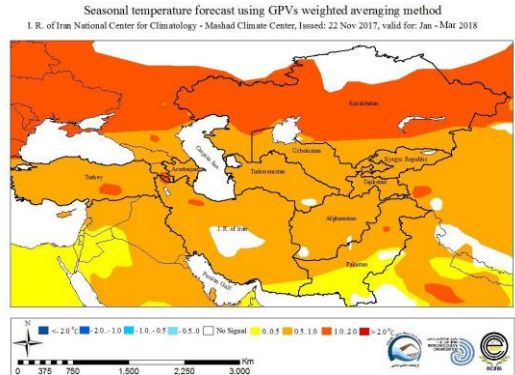


Fig 6. Mean temperature forecast over West Asian countries and ECO region for January to March 2018.

In the period January to March 2018 Temperature in the most of WACE countries expected to be above normal. Temperature in parts of Kazakhstan, Uzbekistan and Iran expected to be Normal.

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

Visit our website at:
www.cri.ac.ir

For more info contact to:
Mashhadmcc@gmail.com