

Climate outlook

Mashhad, April 2018– Multi-model statistically weighted seasonal forecast April to July 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**

Most of the models in the set of dynamical and statistical model predictions issued during mid-February 2018 predict a prompt ending of the weak La Niña conditions that have continued into early March, with neutral conditions lasting from spring through the remainder of 2018. In the most recent week, the SST anomaly in the Niño3.4 region was -0.7 C, still in the weak La Niña range, and -0.9 C for the month of February (Fig 1 and 2).

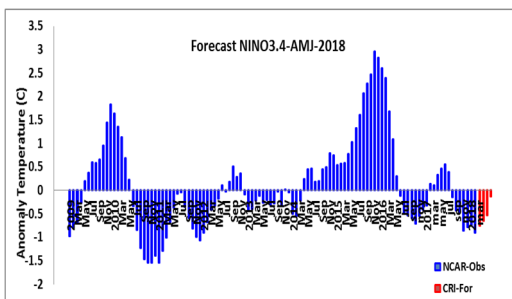


Fig 1. Niño3.4 forecast indicates a weak El-Niño condition during Apr- Jun 2018.

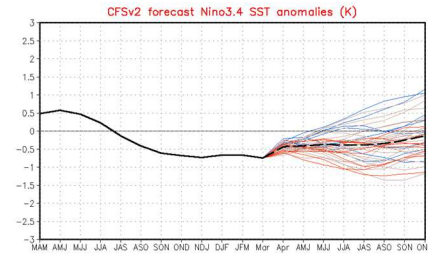


Fig. 2. NCEP-CFS v2 ENSO forecast system

• **Precipitation**

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

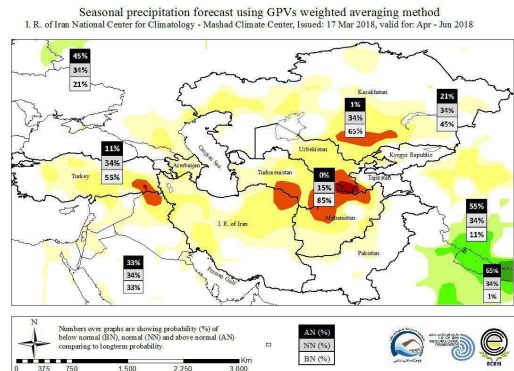


Fig 3. Precipitation forecast over West Asian countries and ECO (WACE) region for Apr- Jun 2018.

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

During May to July 2018 the precipitation in the most of WAE countries expected to be normal to below normal condition. But it is above normal in the parts of Pakistan. Figure 4 is showing the details of the precipitation forecast in the region.

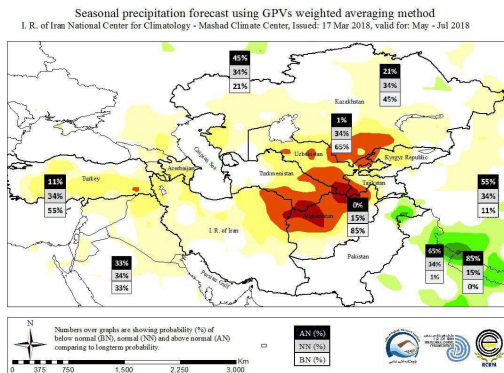


Fig. 4. Precipitation forecast over West Asian countries and ECO region for May-July 2018.

• **Temperature**

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

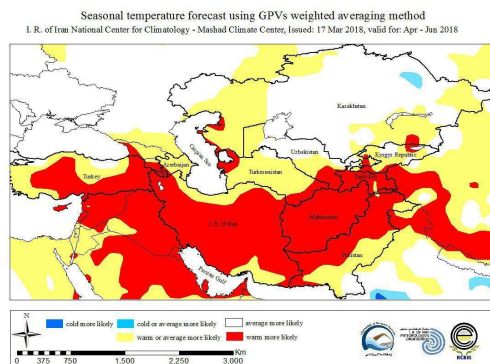


Fig 5. Mean temperature forecast over West Asian countries and ECO region for Apr- Jun 2018.

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

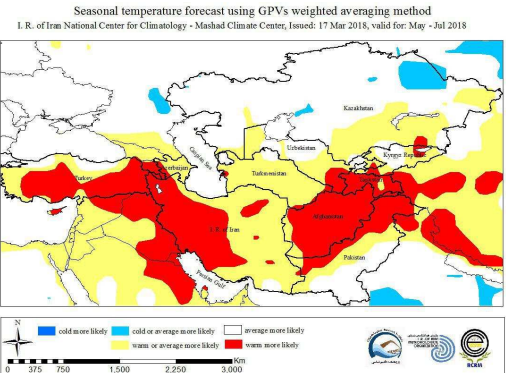


Fig 6. Mean temperature forecast over West Asian countries and ECO region for May-July 2018.

In the period May to July 2018 Temperature in the most of WACE countries expected to be above normal. Temperature in south of Iran, Kazakhstan and parts of Pakistan, Turkey 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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For more info contact to:

Mashhadmcc@gmail.com