

**Climate outlook**

**Mashhad, March 2018**– Multi-model statistically weighted seasonal forecast March to June 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 predicts weak La Niña conditions persisting into early spring, followed by a return to neutral during middle spring. In the most recent week, the SST anomaly in the Nino3.4 region was -0.9 C, in the weak La Niña range, and -0.75 C for the month of January, also in the weak La Niña range (Fig 1 and 2).

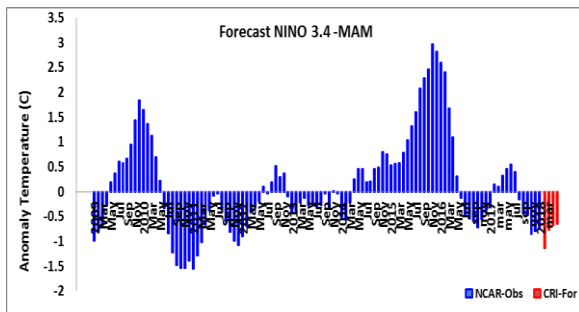


Fig 1. Nino3.4 forecast indicates less than -0.5°C El-Nino condition during March to May 2018.

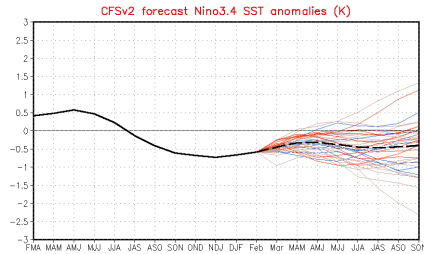


Fig. 2. NCEP-CFS v2 ENSO forecast system

• **Precipitation**

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

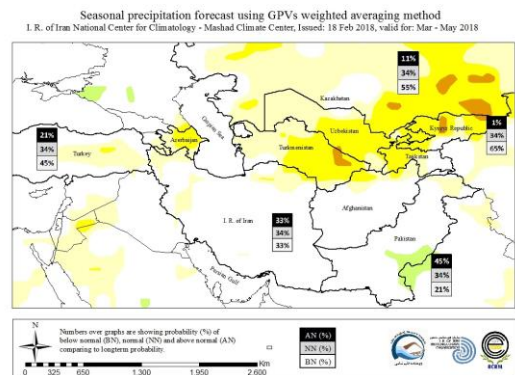


Fig 3. Precipitation forecast over West Asian countries and ECO (WACE) region for Mar-May 2018.

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 Pakistan.

During April to June 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.

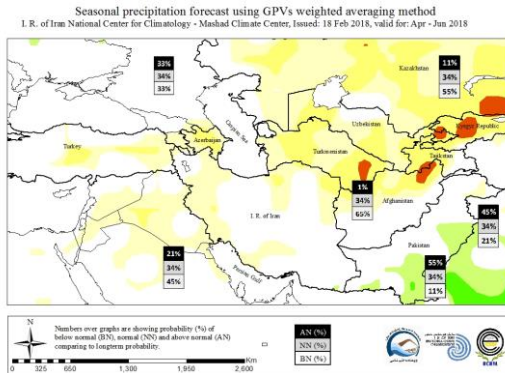


Fig. 4. Precipitation forecast over West Asian countries and ECO region for Apr-Jun 2018.

• **Temperature**

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

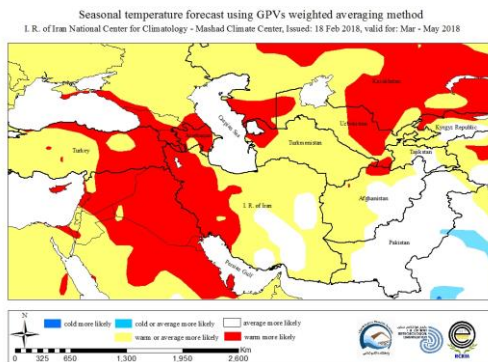


Fig 5. Mean temperature forecast over West Asian countries and ECO region for Mar-May 2018.

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

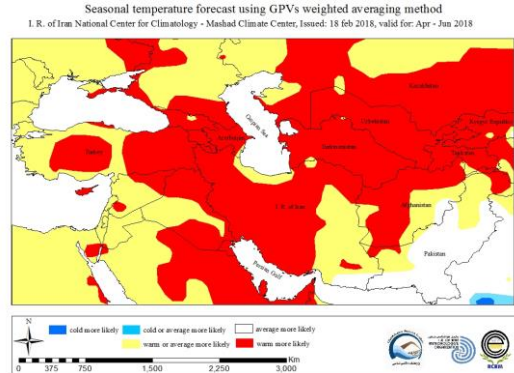


Fig 6. Mean temperature forecast over West Asian countries and ECO region for Apr-Jun 2018.

In the period April to June 2018 Temperature in the most of WACE countries expected to be above normal. Temperature in southeast of Iran and parts of 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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