



## GCCCOF-2

# SENSUAL SEASONAL OUTLOOK OVER GULF COOPERATION COUNCIL REGION

FOR SUMMER 2020  
On-line session, June 03, 2020

Consensual seasonal forecast for summer (June-July-August) 2020 over Arab Gulf countries and Yemen has been produced during the online GCCCOF session. It is based on known teleconnections of large scale and regional patterns as well as on the outputs of dynamical and statistical models.

## I. RECENT CLIMATE CONDITIONS AND OUTLOOK

Observed sea surface temperatures (SST) and forecast for the coming three months show neutral ENSO conditions with the majority of models showing high agreement for the evolution of ocean conditions over the equatorial Pacific. The latest [WMO ENSO outlook](#) suggests 60% probability for ongoing ENSO-neutral conditions continuing through June – August 2020, while chance for La Niña is 30%. (see figure 1).

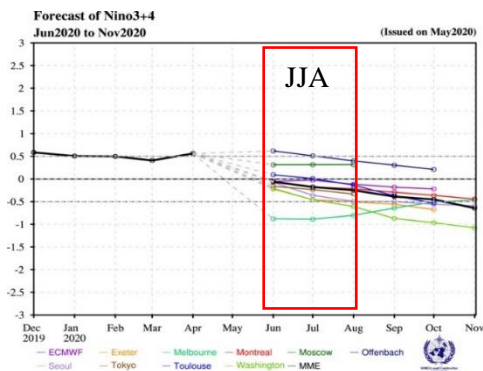


Figure1: Forecast of Nino3+4 for JJA 2020.

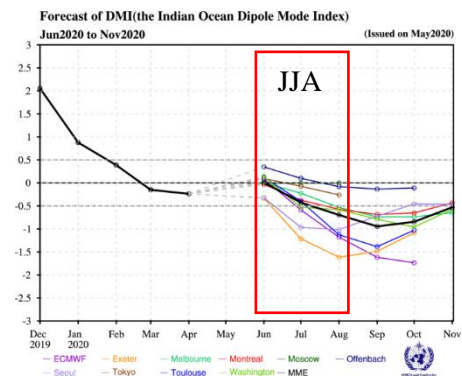


Figure2: Forecast of DMI for JJA 2020.

The neutral Indian Ocean Dipole (IOD) conditions are prevailing and forecasts suggest that these neutral IOD conditions are likely to continue during summer season, with few climate models indicating development of weak negative IOD conditions in the later part of the season (see figure 2).

## II. SEASONAL OUTLOOK

Given oceanic and atmospheric patterns, knowledge and understanding of seasonal climate variability and available long- range forecasts products from Global Producing Centres of Long-Range Forecast (GPCLRF), as well as the seasonal outlook for the entire Arab region (ArabCOF), the following outlook is provided for June-July-August 2020 season across Arab Gulf countries and Yemen. The following maps show the probabilistic consensus forecast for 3 categories of anomalies for seasonal average surface temperature and precipitation.

### Temperature

Surface Temperatures are likely to be warmer than normal over almost entire Saudi Arabia, Kuwait and expected to be normal to above normal over the Bahrain, United Arab Emirates, Qatar and north of Oman. (see figure 3).

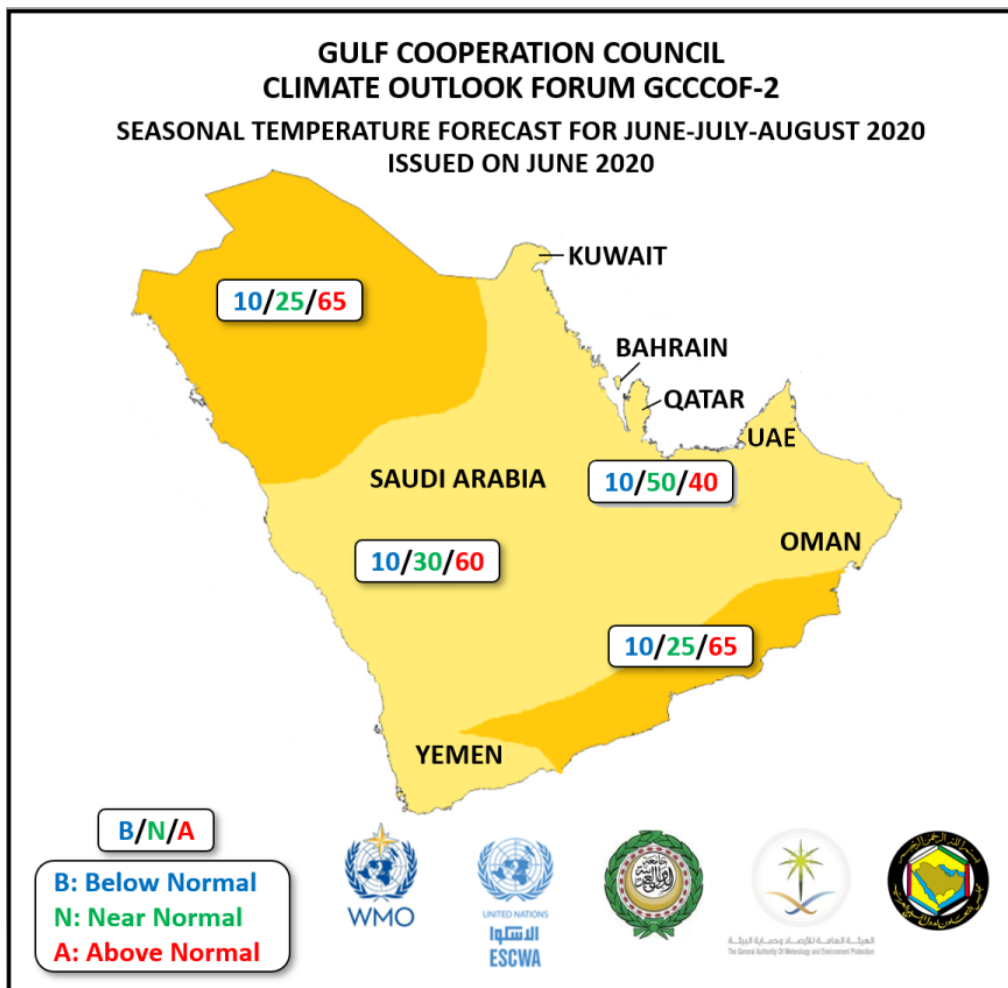


Figure 3: Seasonal Temperature Forecast over Arab Gulf countries and Yemen for JJA 2020.

## Precipitation

Total Precipitation is expected to be above normal over Oman, United Arab Emirates, Qatar, Bahrain and over the eastern, southwestern and southern parts of Saudi Arabia. Near normal conditions are likely over Kuwait and the remaining parts of Saudi Arabia. (see figure 4).

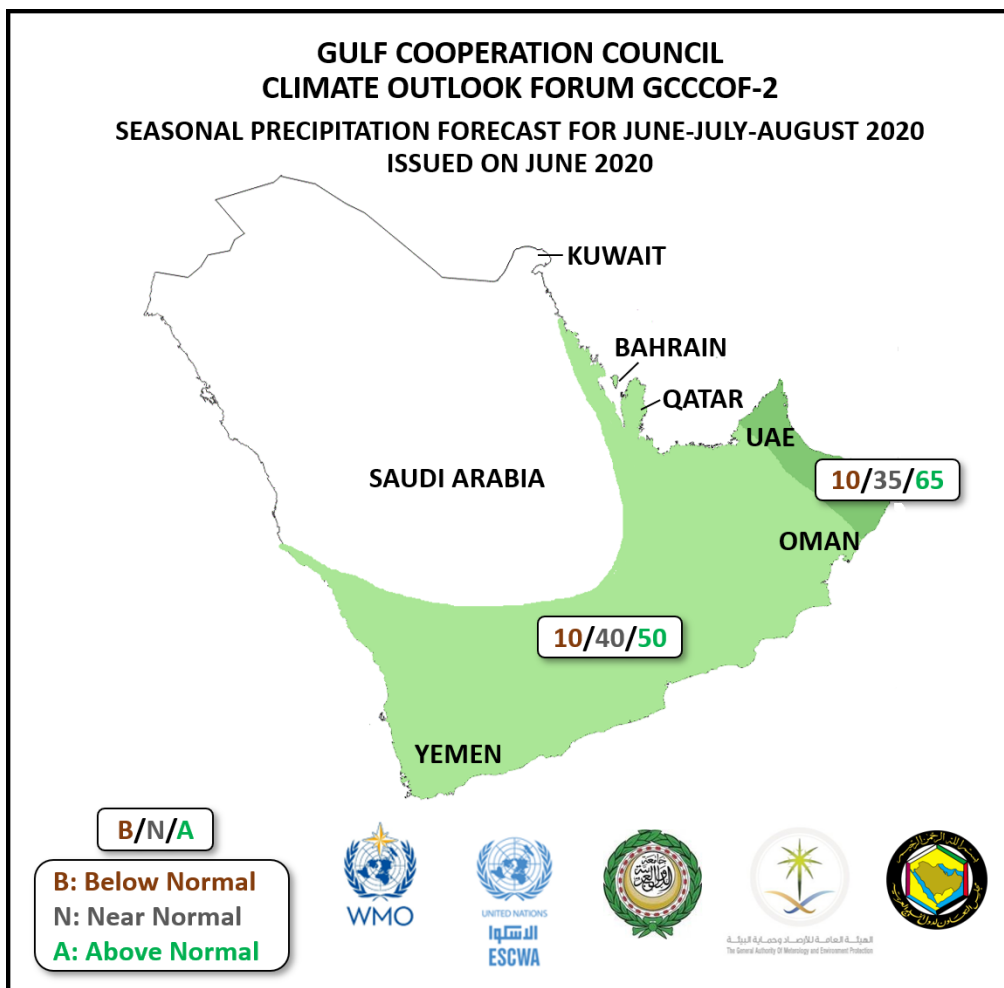


Figure 4 : Seasonal Precipitation Forecast over Arab Gulf countries and Yemen for JJA 2020.