Seasonal Outlook for DJF 2010-2011

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Remarks

HNMS is not issuing seasonal forecasts to the public but are only used for research purposes.

A Climatological Bulletin is available every month with the analysis of the deviations from climatological averages for each region of the country

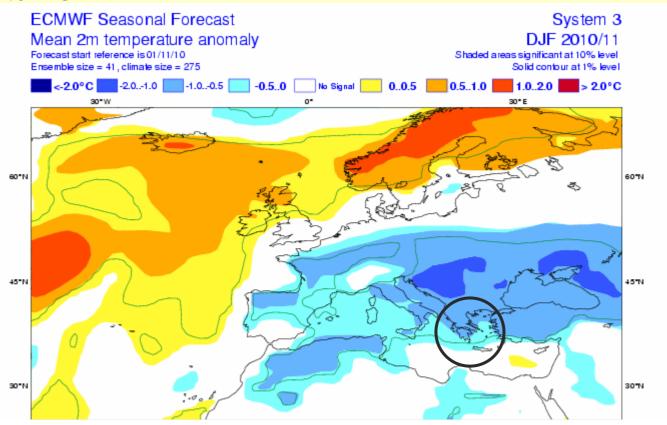
Plots available though ECMWF Seasonal Forecasting System on a monthly basis.

- 62 vertical levels (~5hPa)
- 1.125 degrees horizontal spacing
- 41 member ensemble (5-member ensemble ocean analysis, SST perturbations and stochastic physics)
- Model climatology based on 1981-2005 reforecasts



(based on November run)

Ensemble Mean: Shift in the predicted probability distribution, given in absolute terms

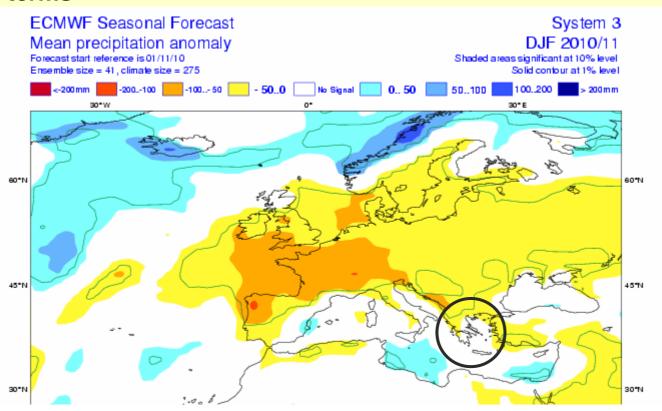


 Negative anomaly for 2m mean temperature, compared to the model climatology, over the biggest part of Greece.



(based on November run)

Ensemble Mean: Shift in the predicted probability distribution, given in absolute terms



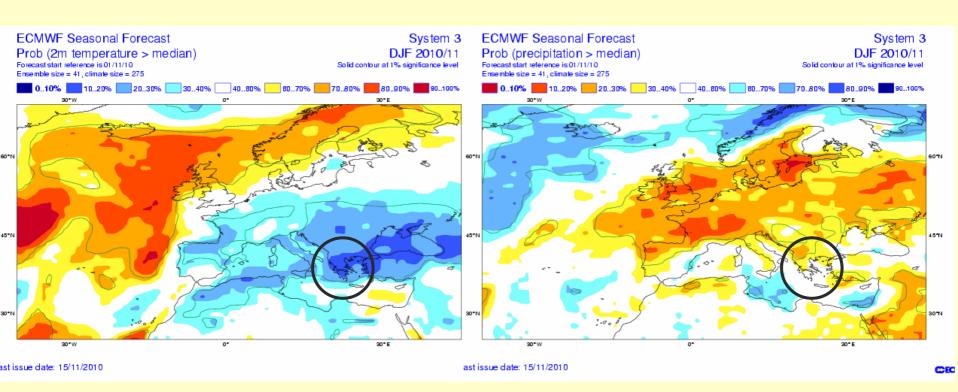
- Negative anomaly over north and north-west Greece
- No signal for the rest of the country.



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(based on November run)

<u>Probability of exceeding median:</u> probability of being greater of model climate median



10-20% the probability of exceeding median for temperature and around 30-40% for precipitation

EONIKH

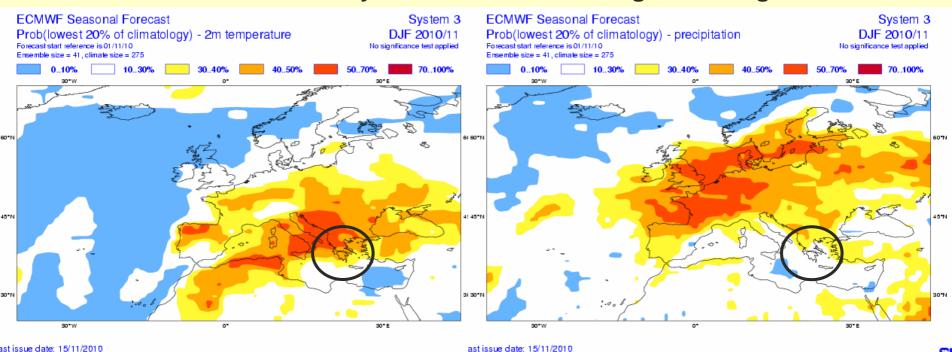
ΥΠΗΡΕΣΙΑ

ΕΤΕΩΡΟΛΟΓΙΚΗ

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(based on November run)

<u>Probability of lowest 20%:</u> Regions where the distribution of likely outcomes is substantially shifted from climatological average

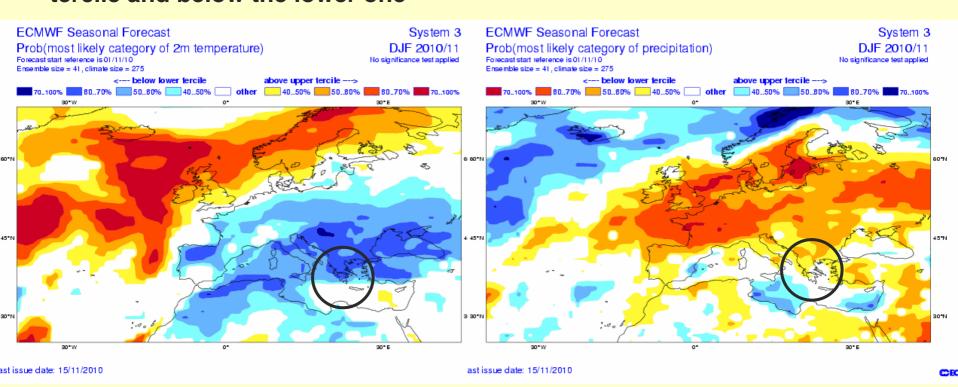


Temperature: 40-70% probability of values to be below the lower 20th percentile Precipitation: Smaller percentages for rainfall



(based on November run)

<u>Tercile Summary</u>: Areas with increased probability to be above the higher tercile and below the lower one



Below lower terciles for both temperature and precipitation but stronger signal for temperature.



DJF weather outlook for Greece

- Signals for the extended area around Greece mainly for average temperature that is expected to be lower than the model climatological average (Below Normal)
- No significant signal for the precipitation, indication that the northern part of the country could be slightly drier the coming winter season (Normal)

