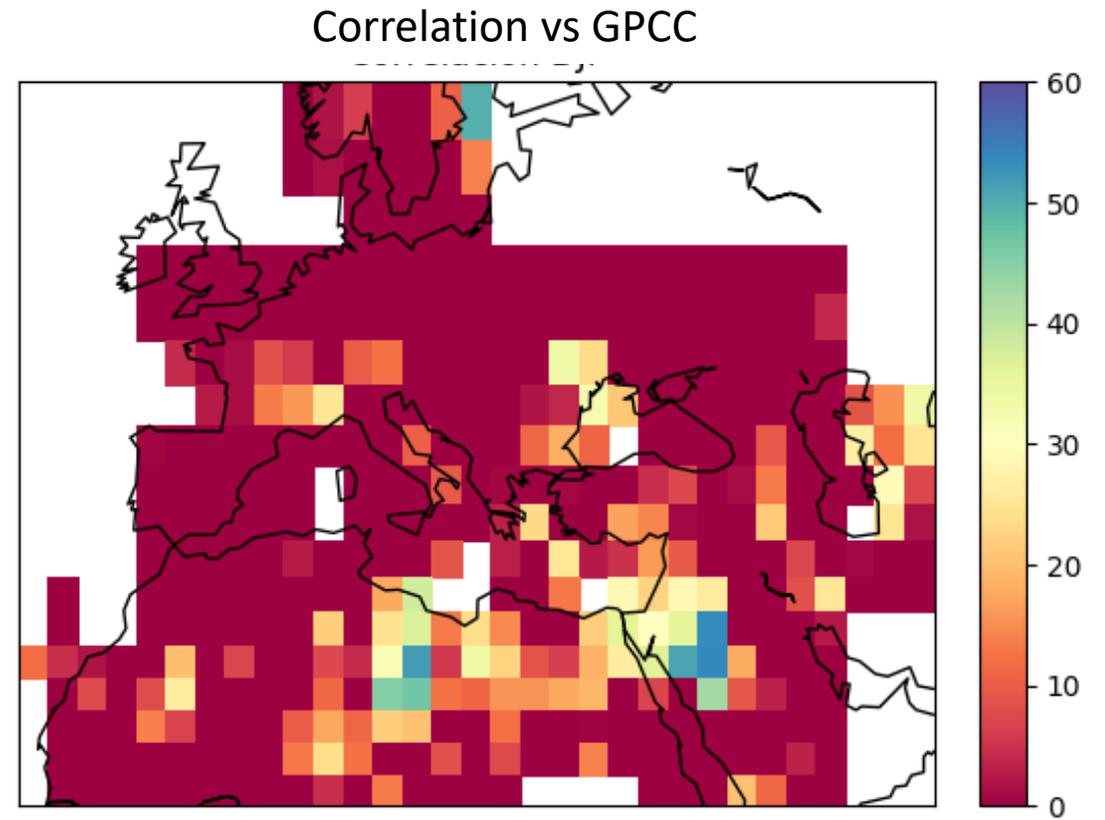
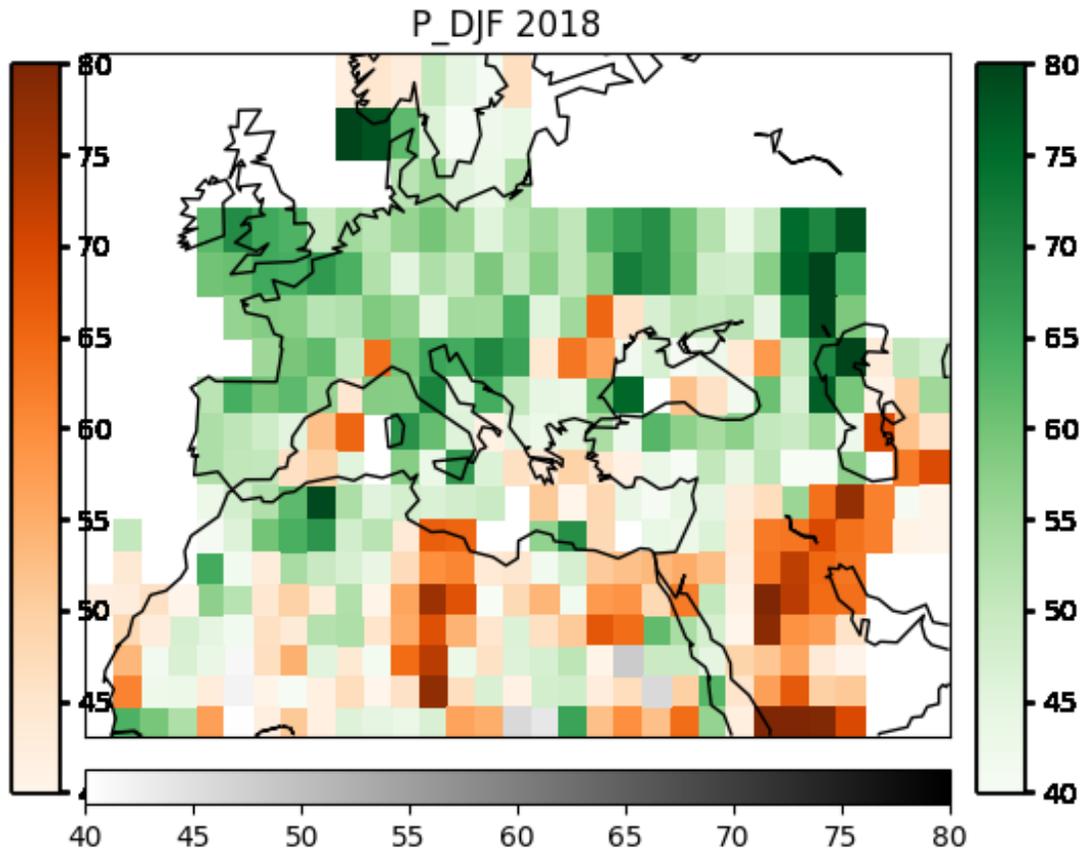


DJF 2018-2019

Statistical forecast systems information

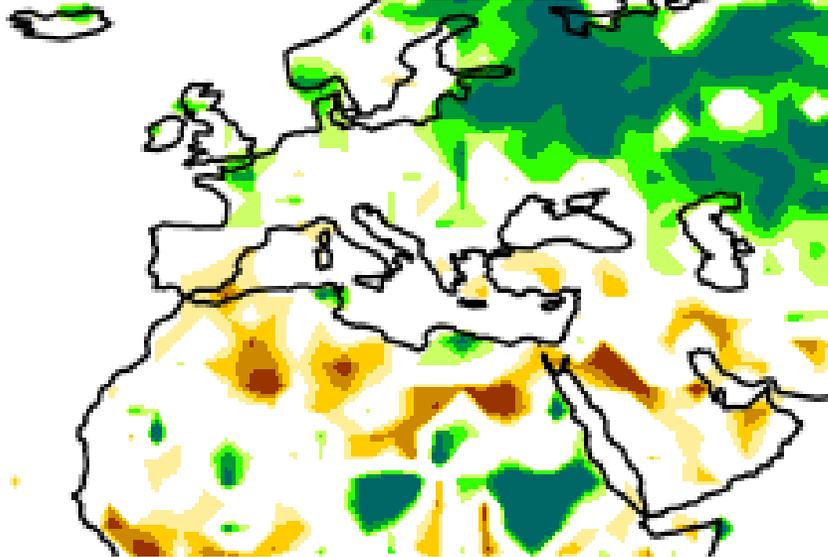
DJF 2018-2019 – AEMET empirical system Precipitation



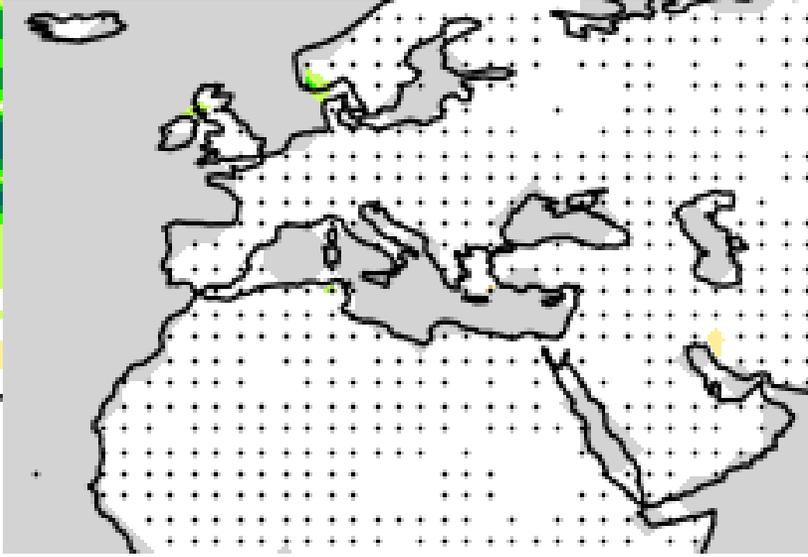
DJF 2018-2019 - SPECS Precipitation



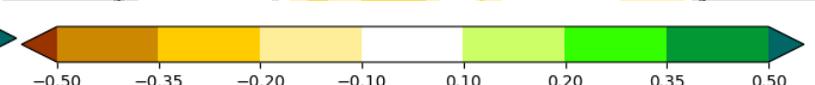
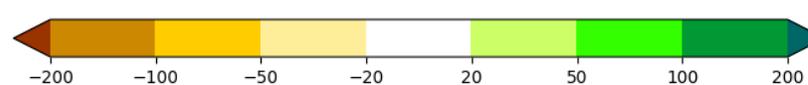
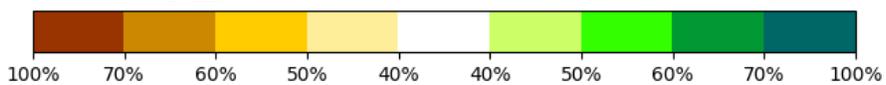
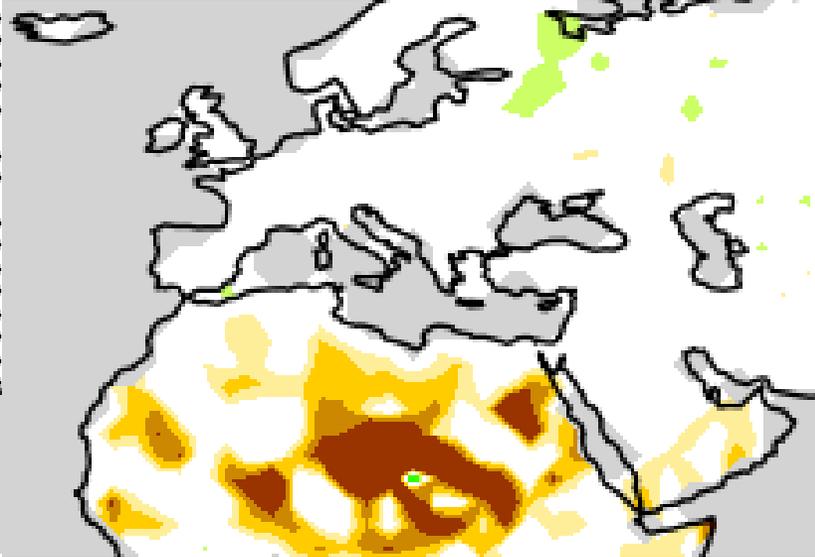
SPECS Empirical Seasonal Forecast: Surface precipitation (DJF 2018)
Probability (most likely tercile of Surface precipitation), based on 1961-2017 hindcasts
Ensemble size: 51 | Forecast generation date: 08/11/2018 | base time: Nov 2018



SPECS Empirical Seasonal Forecast: Surface precipitation (DJF 2018)
Ensemble mean anomaly (wrt 1980-2010)
Ensemble size: 51 | Forecast generation date: 08/11/2018 | Stippled where NOT significant at 10% level | base time: Nov 2018



SPECS Empirical Seasonal Forecast: Surface precipitation (DJF 2018)
CRPS hindcasts, reference: climatology (1961-2017)
Ensemble size: 51 | Forecast generation date: 08/11/2018 | base time: Nov 2018

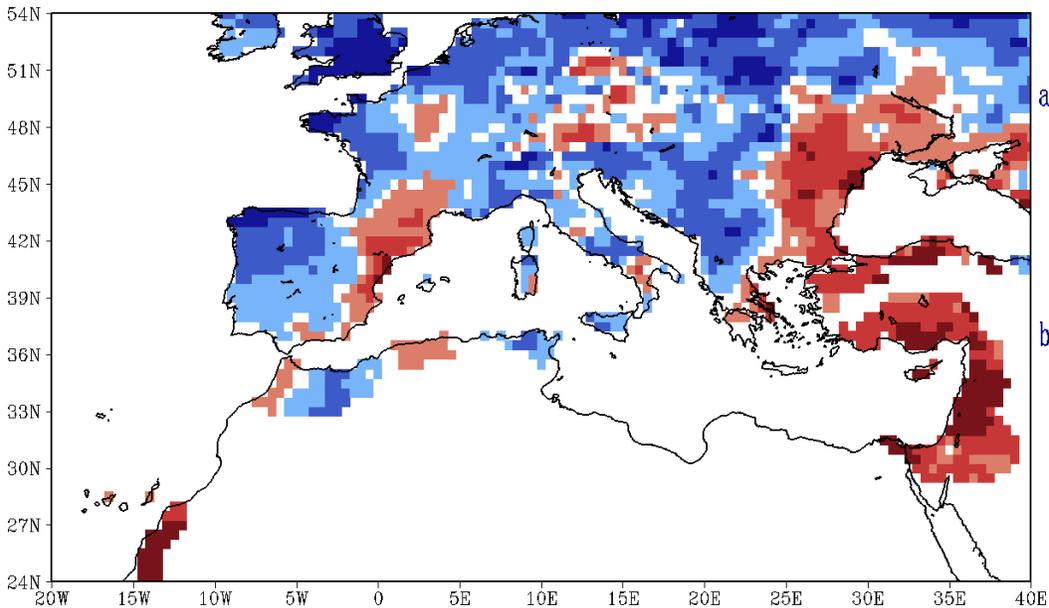


DJF 2018-2019 - Ibimet Precipitation

DJF 2019

Most likely category for 1-month precip ECAD-EOBS
Forecast issued on 20/11/2018

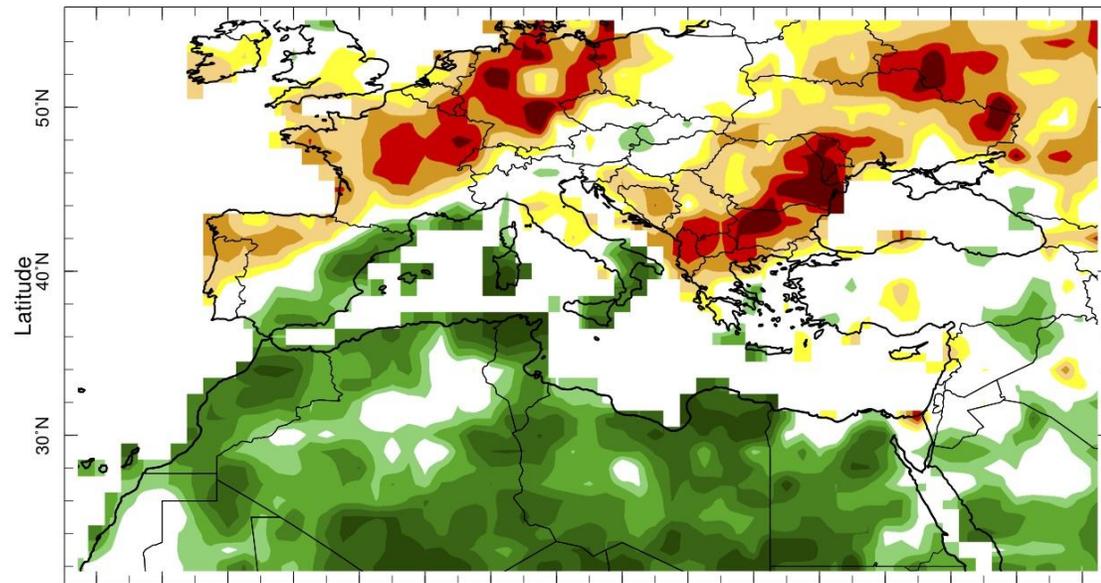
Ibimet-CNR Seasonal Forecast
multi-regressive model
Hunter v2.01



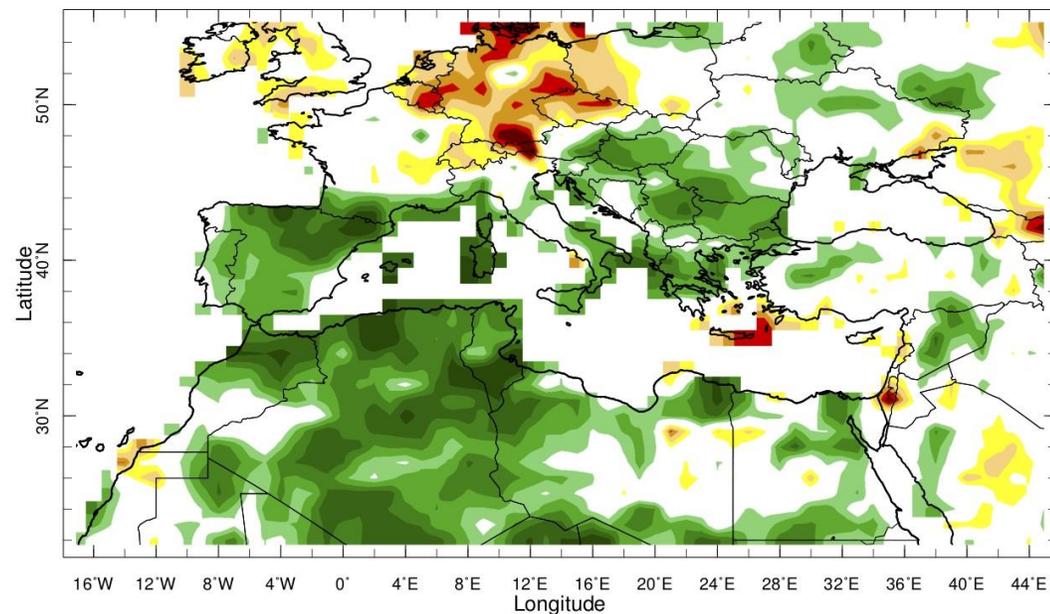
Ibimet-CNR

Based on ECAD monthly dataset at 0.25x0.25 spatial resolution with 1981-2010 climatological reference

Oct 2018

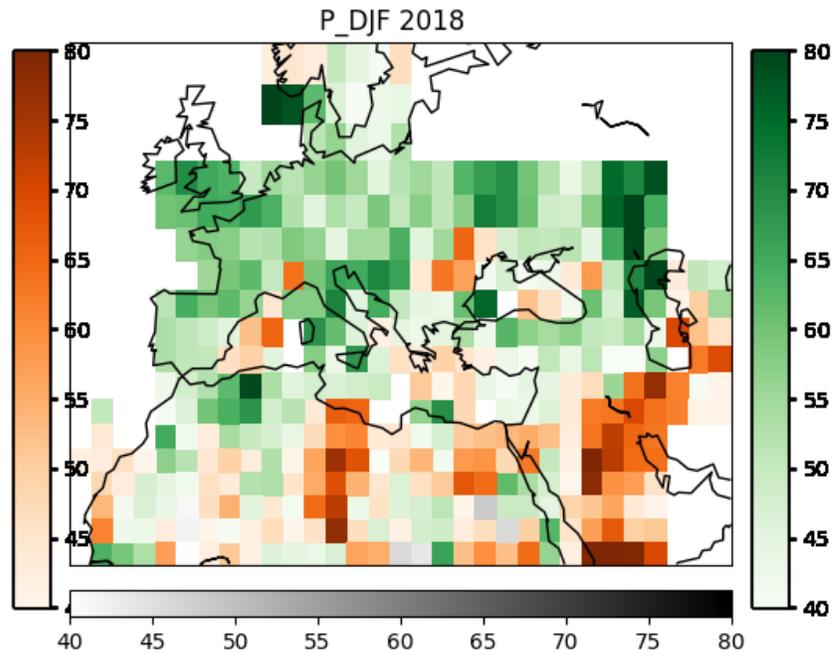


Oct 2018

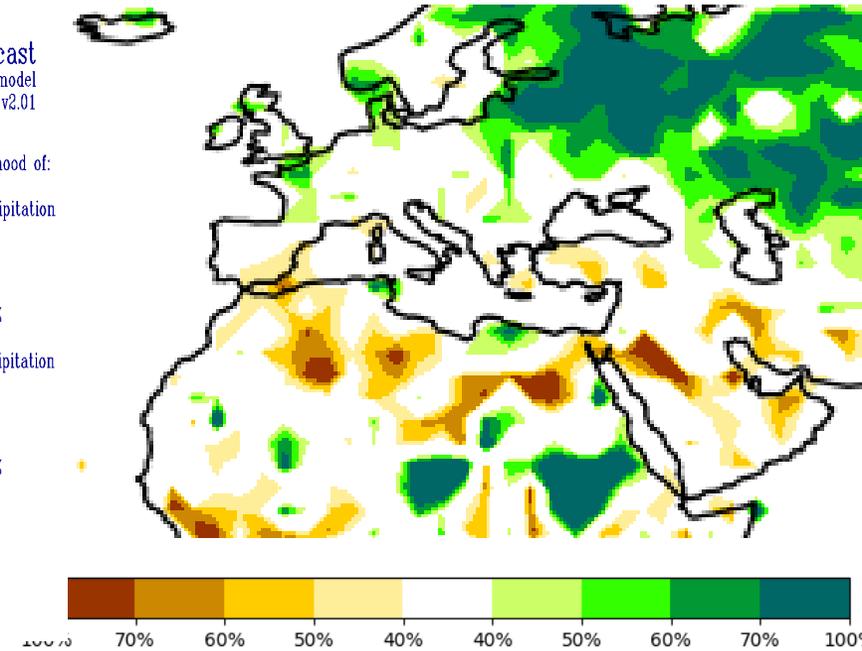
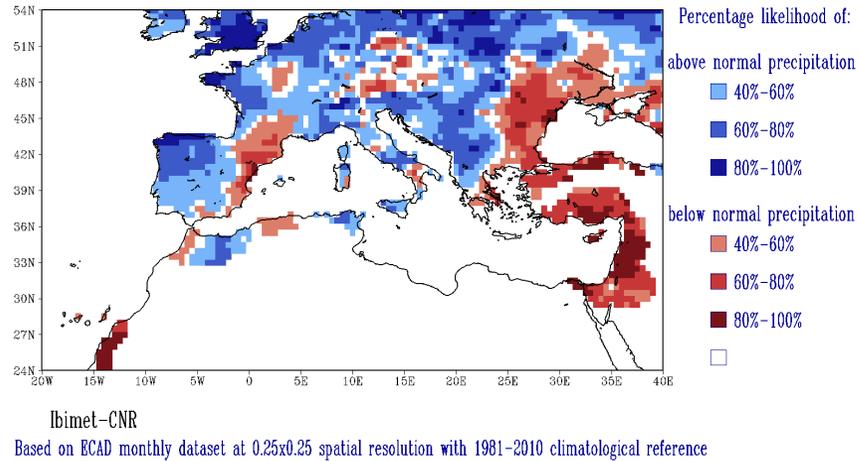


DJF 2018-2019 - summary

Precipitation

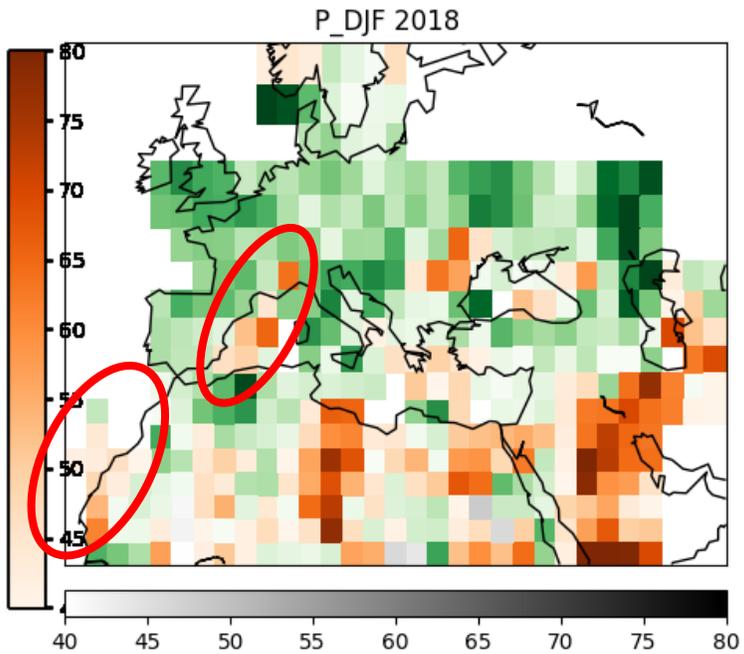


DJF 2019
 Most likely category for 1-month precip ECAD-EOBS
 Forecast issued on 20/11/2018

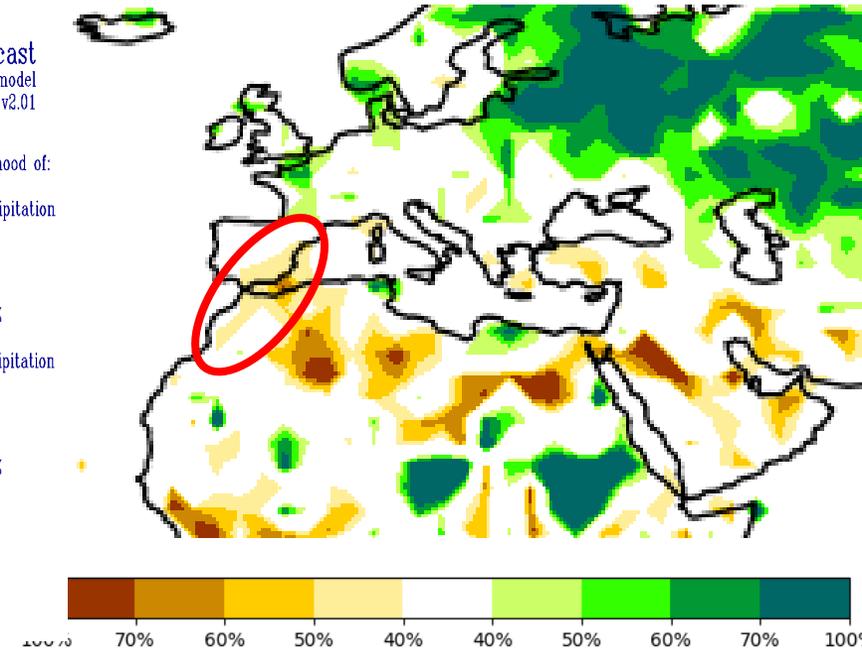
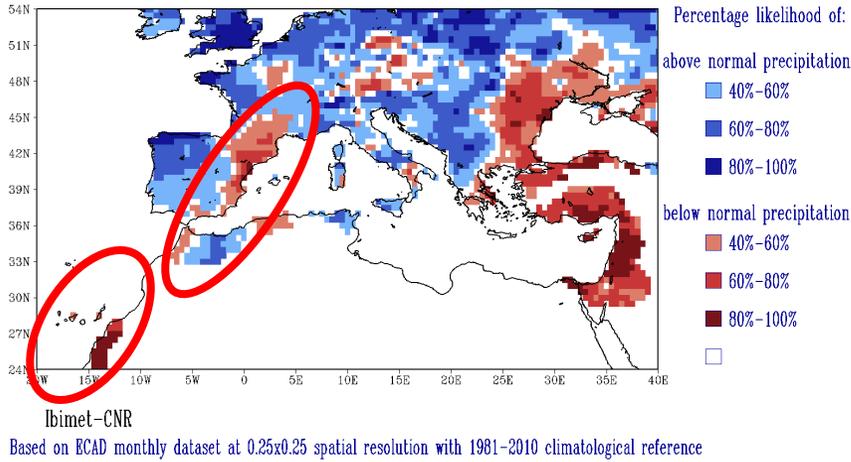


DJF 2018-2019 - summary

Precipitation

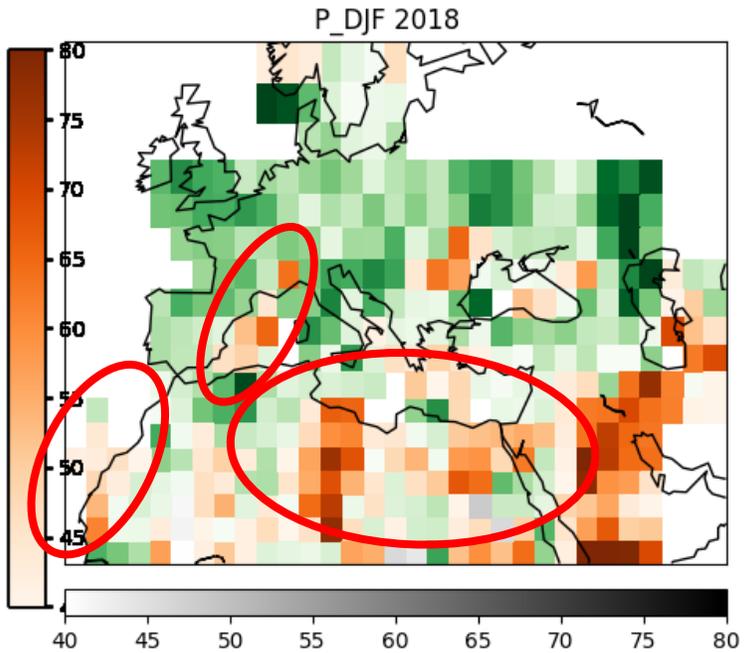


DJF 2019
 Most likely category for 1-month precip ECAD-EOBS
 Forecast issued on 20/11/2018

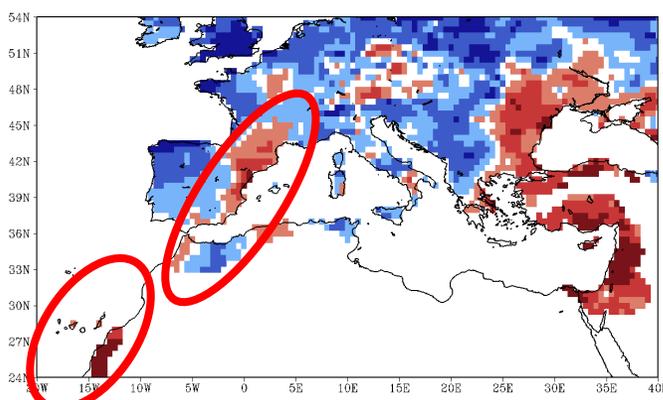


DJF 2018-2019 - summary

Precipitation



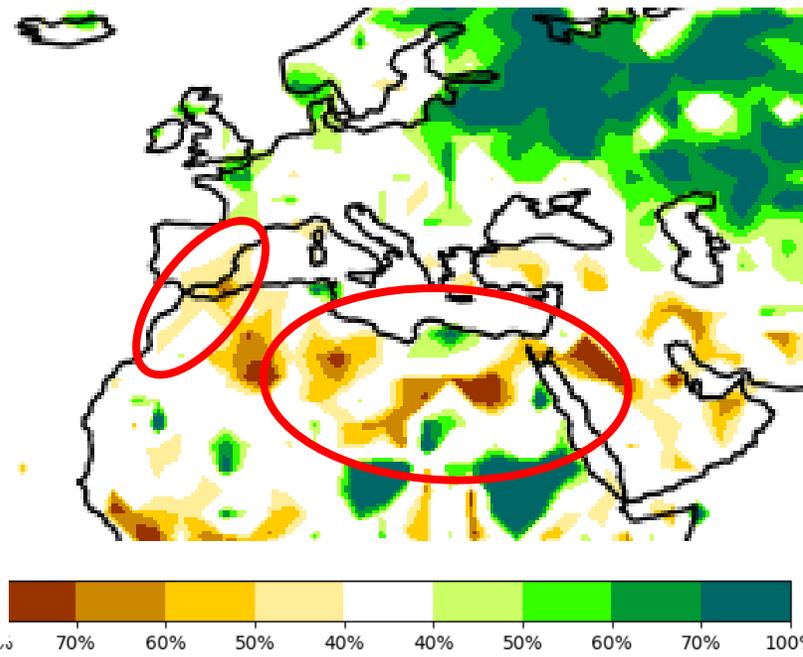
DJF 2019
 Most likely category for 1-month precip ECAD-EOBS
 Forecast issued on 20/11/2018



Ibimet-CNR
 Based on ECAD monthly dataset at 0.25x0.25 spatial resolution with 1981-2010 climatological reference

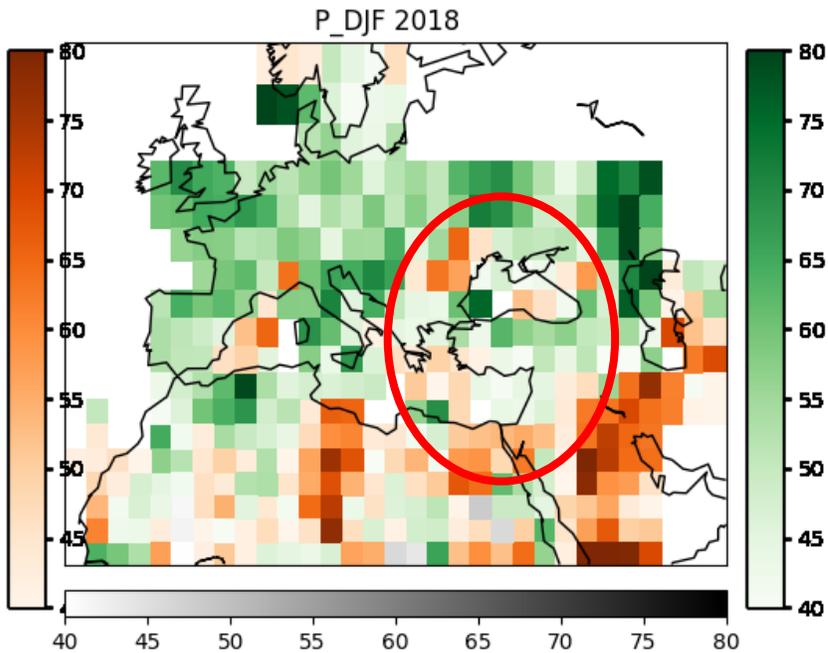
Ibimet-CNR Seasonal Forecast
 multi-regressive model
 Hunter v2.01

Percentage likelihood of:
 above normal precipitation
 40%-60%
 60%-80%
 80%-100%
 below normal precipitation
 40%-60%
 60%-80%
 80%-100%

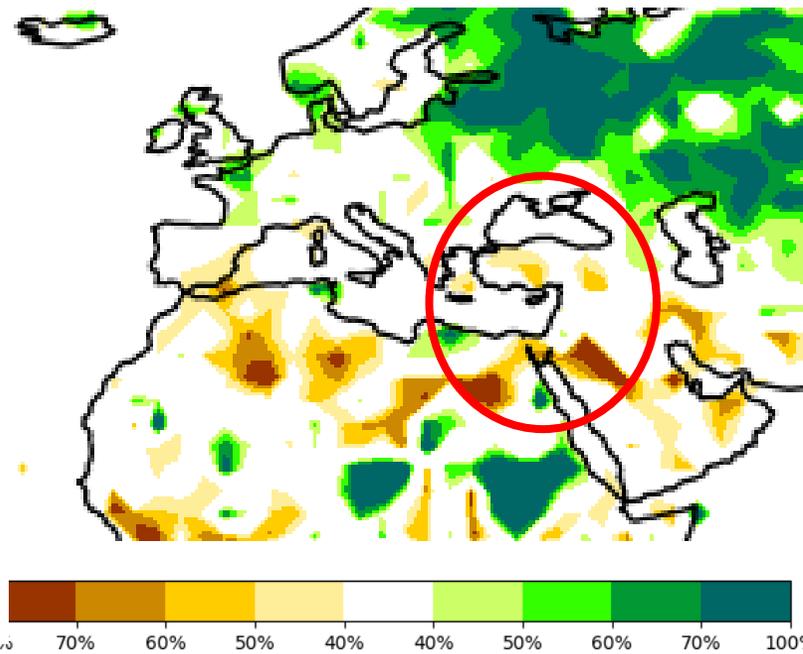
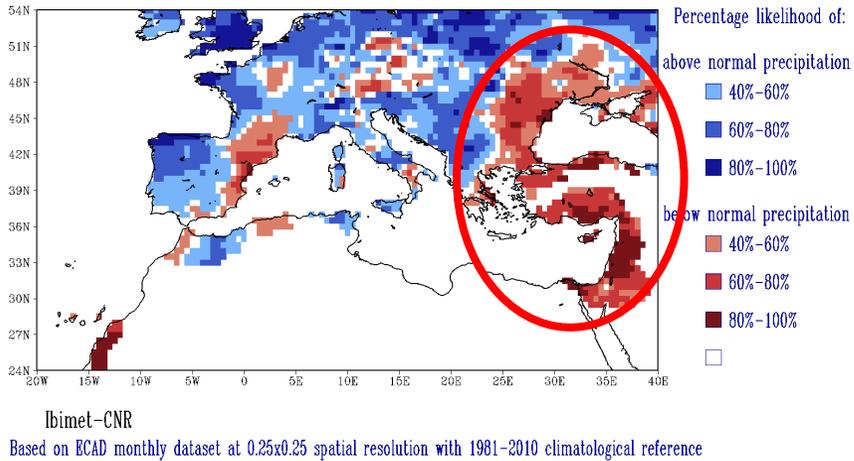


DJF 2018-2019 - summary

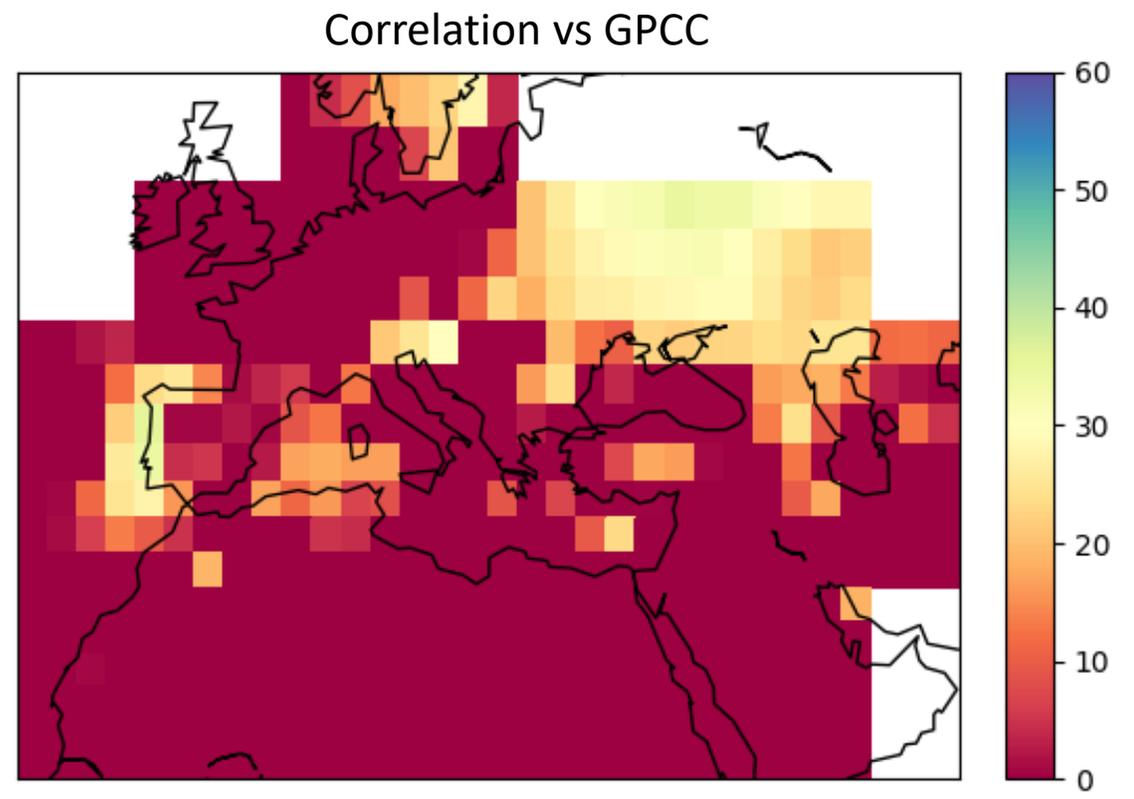
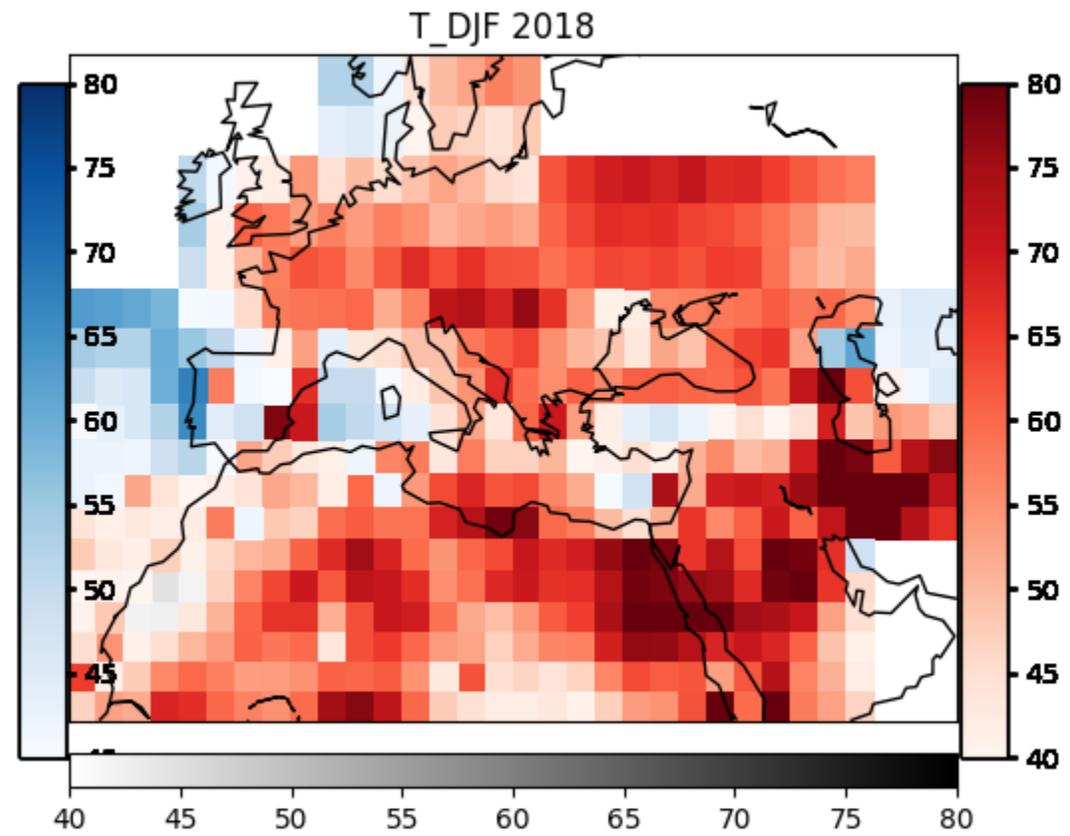
Precipitation



DJF 2019
 Most likely category for 1-month precip ECAD-EOBS
 Forecast issued on 20/11/2018



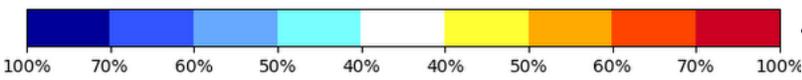
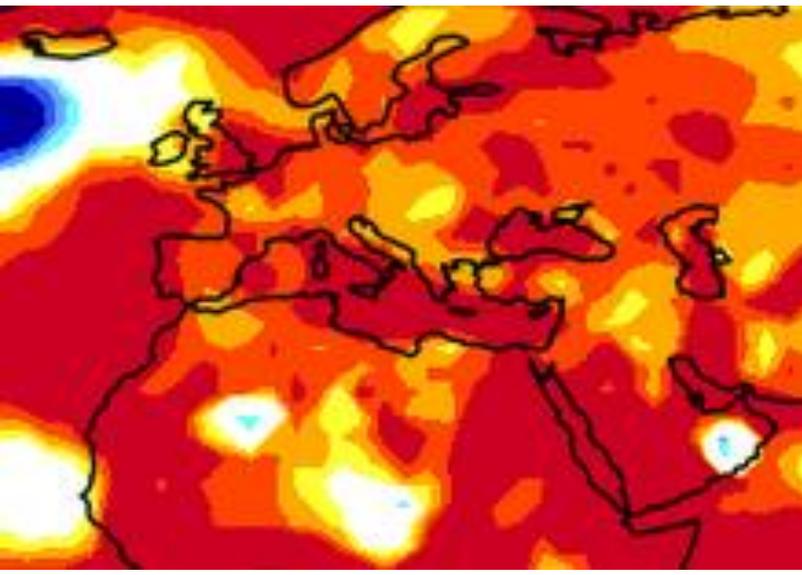
DJF 2018-2019 – AEMET empirical system Temperature



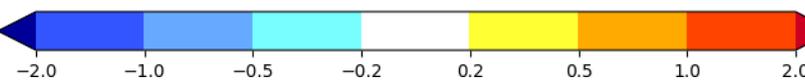
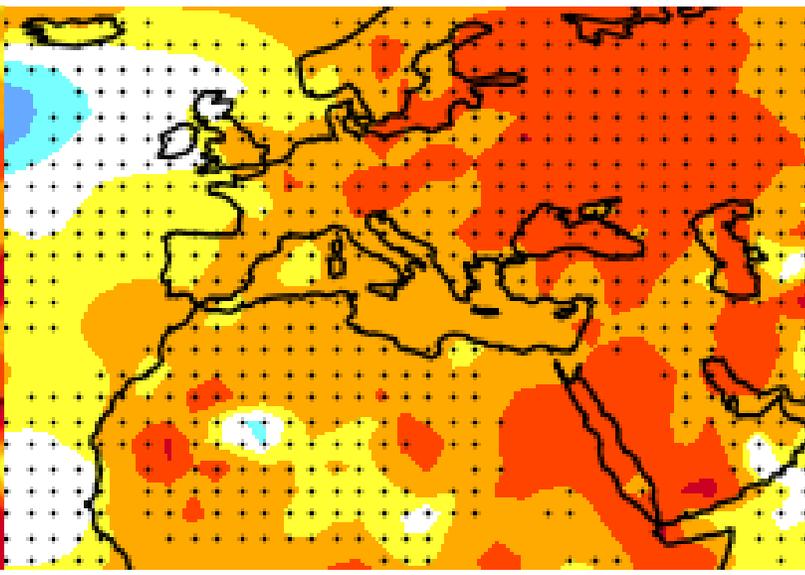
DJF 2018-2019 - SPECS

Temperature

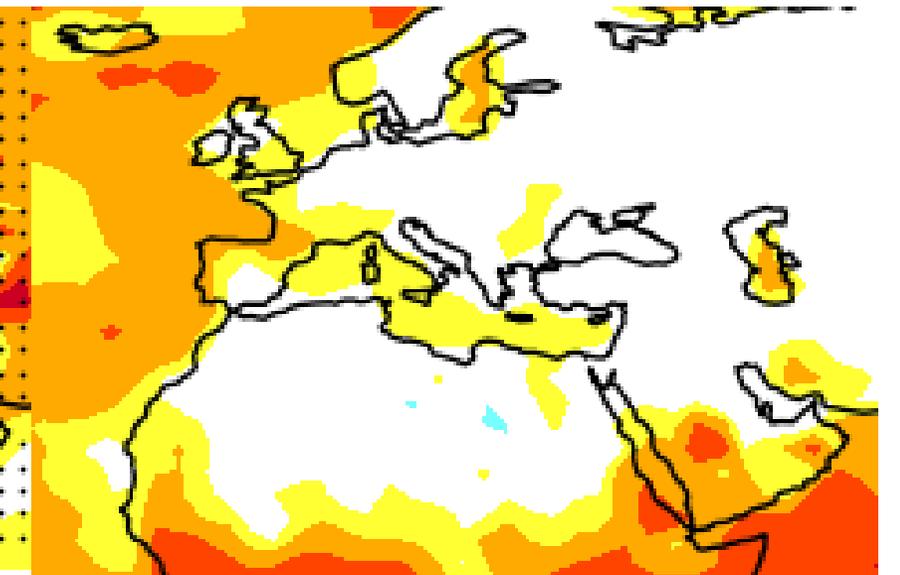
SPECS Empirical Seasonal Forecast: Surface air temperature (DJF 2018)
Probability (most likely tercile of Surface air temperature), based on 1961-2017 hindcasts
Ensemble size: 51 | Forecast generation date: 08/11/2018 | base time: Nov 2018



SPECS Empirical Seasonal Forecast: Surface air temperature (DJF 2018)
Ensemble mean anomaly (wrt 1980-2010)
Ensemble size: 51 | Forecast generation date: 08/11/2018 | Stippled where NOT significant at 10% level | base time: Nov 2018



SPECS Empirical Seasonal Forecast: Surface air temperature (DJF 2018)
CRPSS hindcasts, reference: climatology (1961-2017)
Ensemble size: 51 | Forecast generation date: 08/11/2018 | base time: Nov 2018



DJF 2018-2019 - Ibimet Temperature

DJF 2019

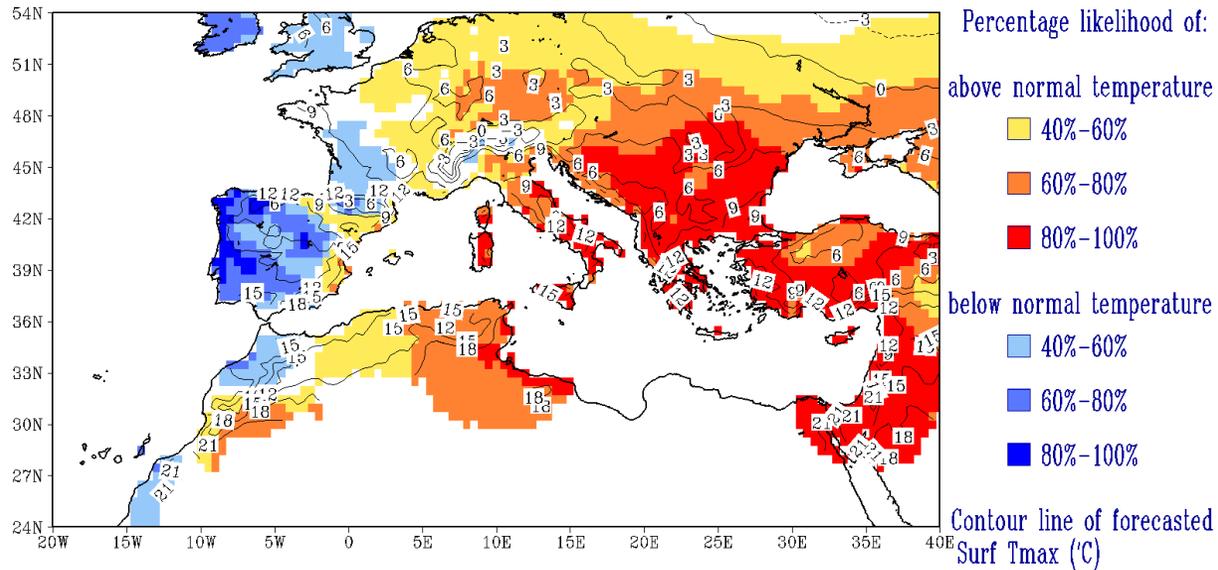
Most likely category for Surf Max Temperature
Forecast issued on 20/11/2018

Ibimet-CNR Seasonal Forecast
multi-regressive model
Hunter v2.01

DJF 2019

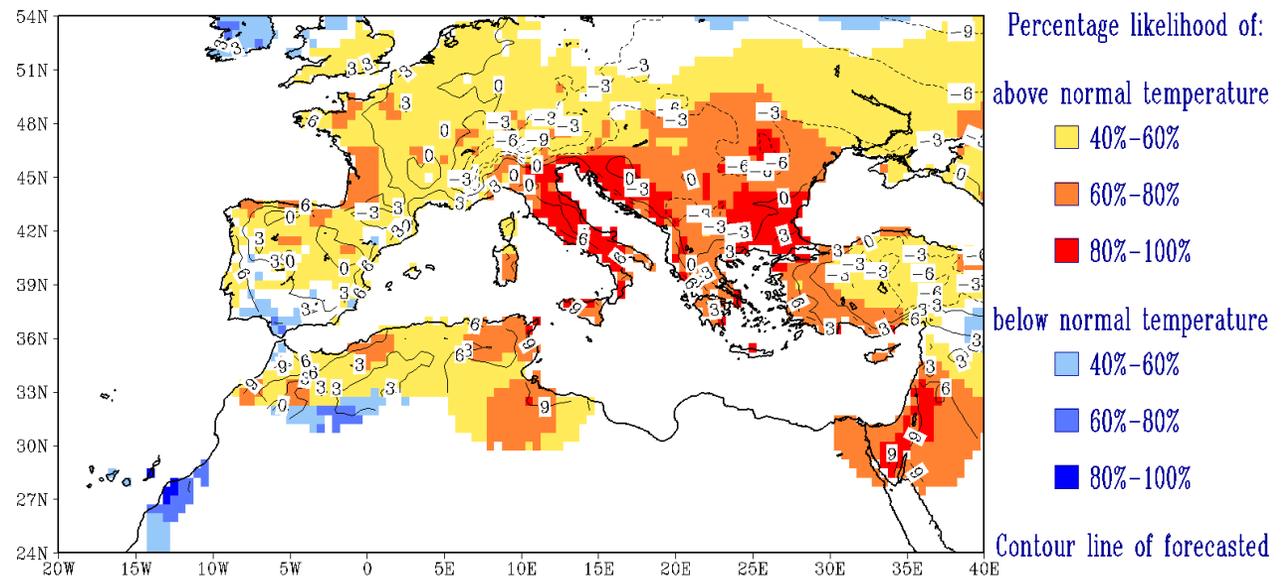
Most likely category for Surf Min Temperature
Forecast issued on 20/11/2018

Ibimet-CNR Seasonal Forecast
multi-regressive model
Hunter v2.01



Ibimet-CNR

Based on ECAD monthly dataset at 0.25x0.25 spatial resolution with 1981-2010 climatological reference

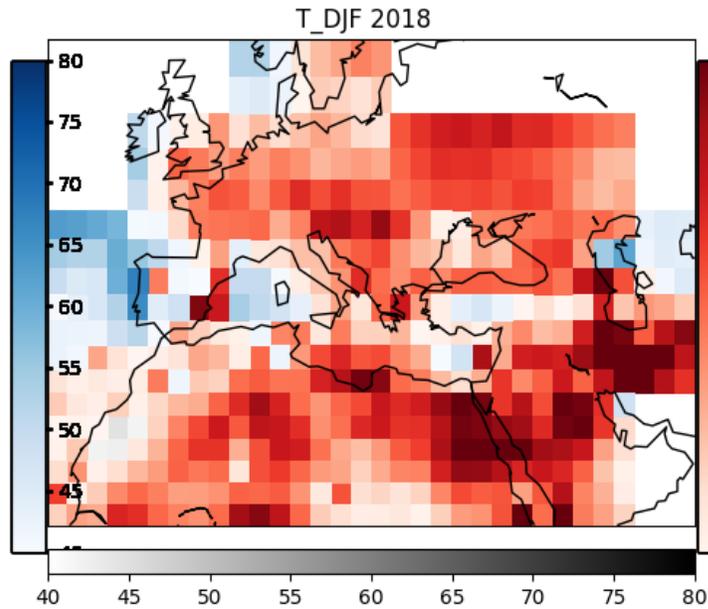


Ibimet-CNR

Based on ECAD monthly dataset at 0.25x0.25 spatial resolution with 1981-2010 climatological reference

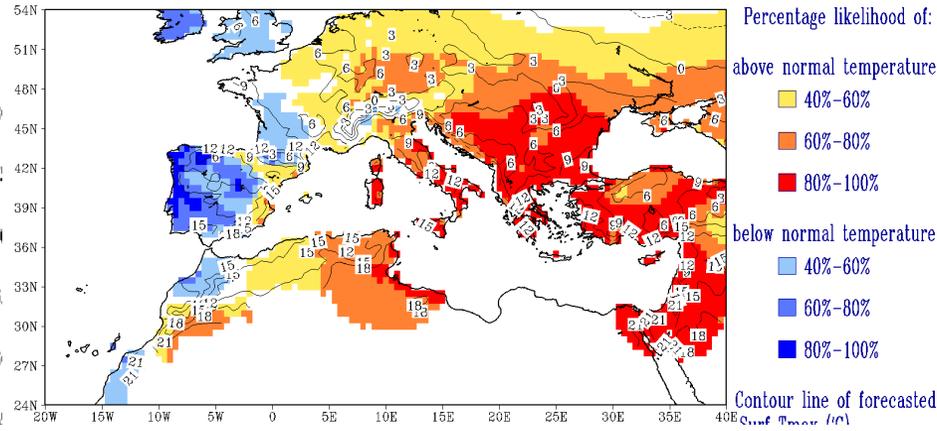
DJF 2018-2019 - summary

Precipitation

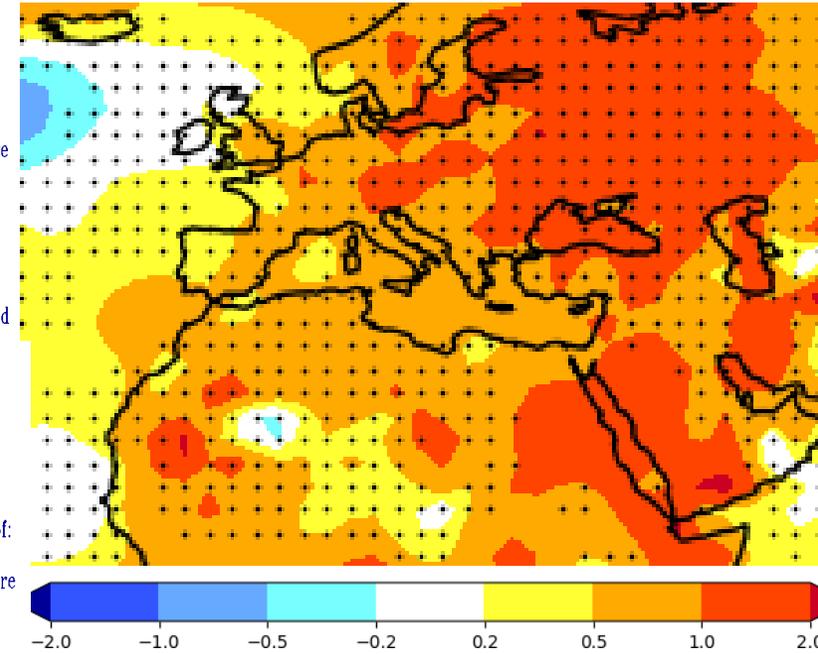


DJF 2019
 Most likely category for Surf Max Temperature
 Forecast issued on 20/11/2018

Ibimet-CNR Seasonal Forecast
 multi-regressive model
 Hunter v2.01

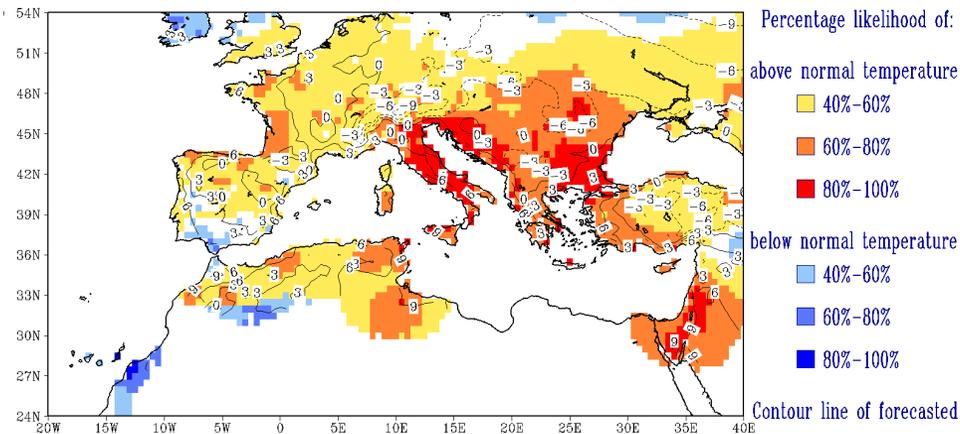


SPECS Empirical Seasonal Forecast: Surface air temperature (DJF 2018)
 Ensemble mean anomaly (wrt 1980-2010)
 Ensemble size: 51 | Forecast generation date: 08/11/2018 | Stippled where NOT significant at 10% level | base time: Nov 2018



DJF 2019
 Most likely category for Surf Min Temperature
 Forecast issued on 20/11/2018

Ibimet-CNR Seasonal Forecast
 multi-regressive model
 Hunter v2.01



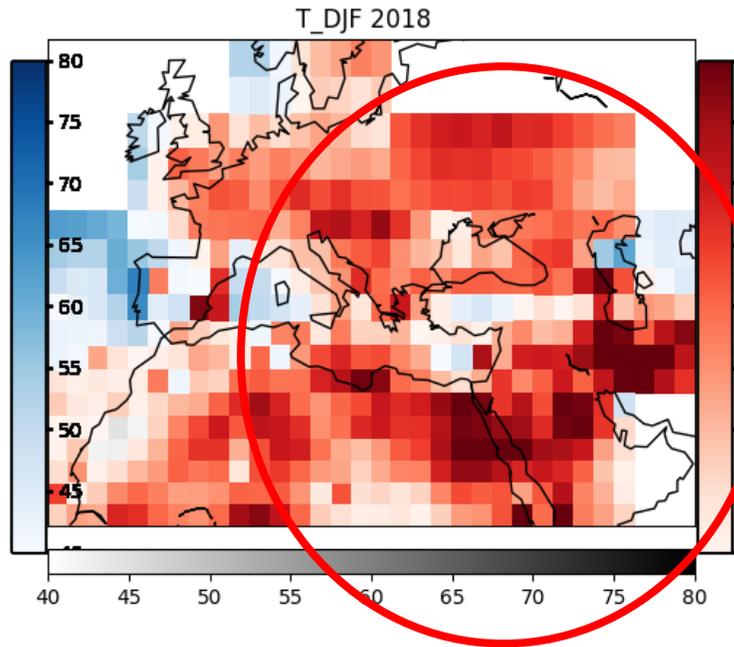
Ibimet-CNR

Based on ECAD monthly dataset at 0.25x0.25 spatial resolution with 1981-2010 climatological reference

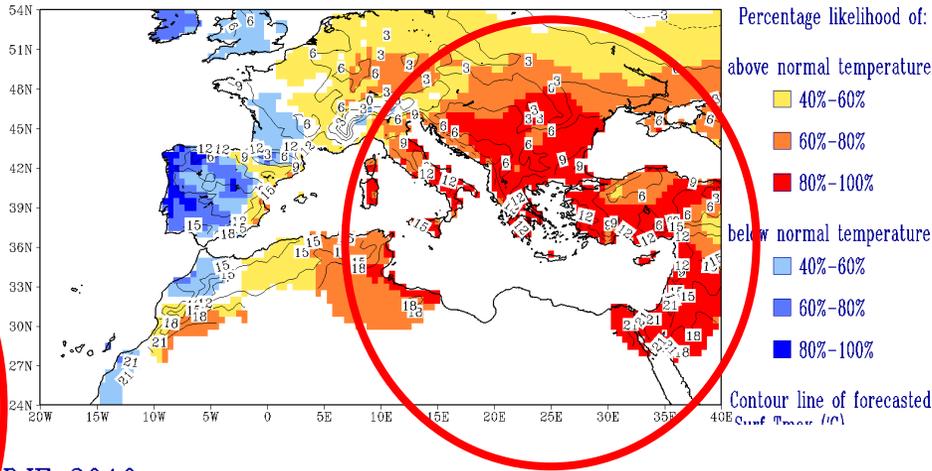


DJF 2018-2019 - summary

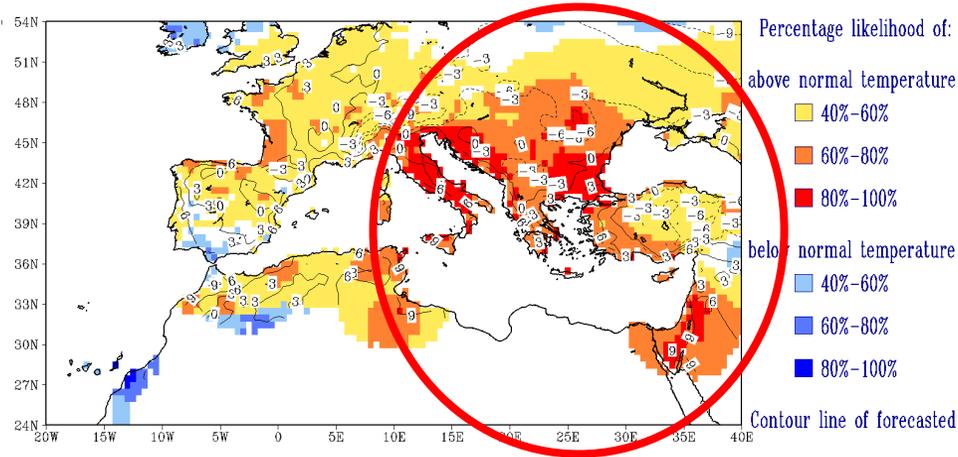
Precipitation



DJF 2019
Most likely category for Surf Max Temperature
Forecast issued on 20/11/2018



DJF 2019
Most likely category for Surf Min Temperature
Forecast issued on 20/11/2018

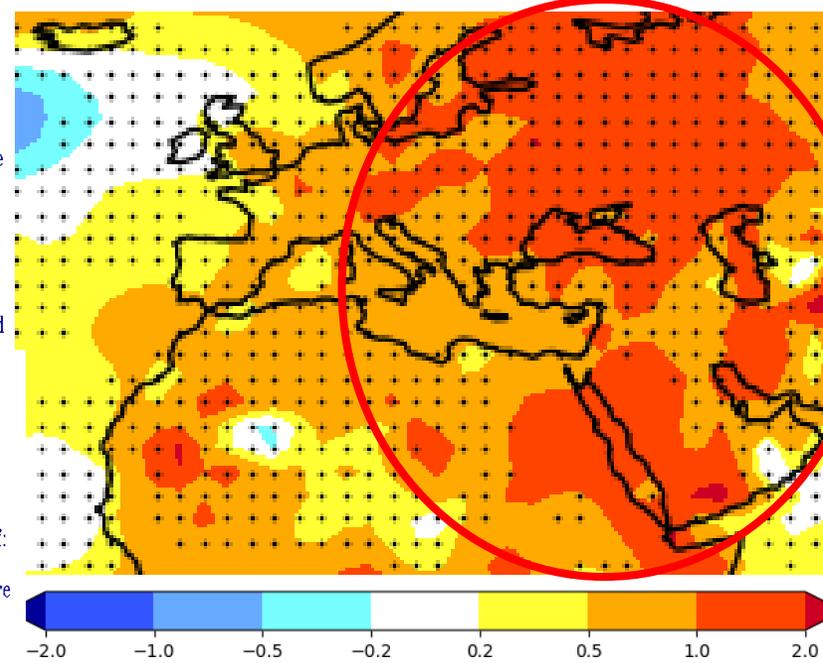


Ibimet-CNR

Based on ECAD monthly dataset at 0.25x0.25 spatial resolution with 1981-2010 climatological reference

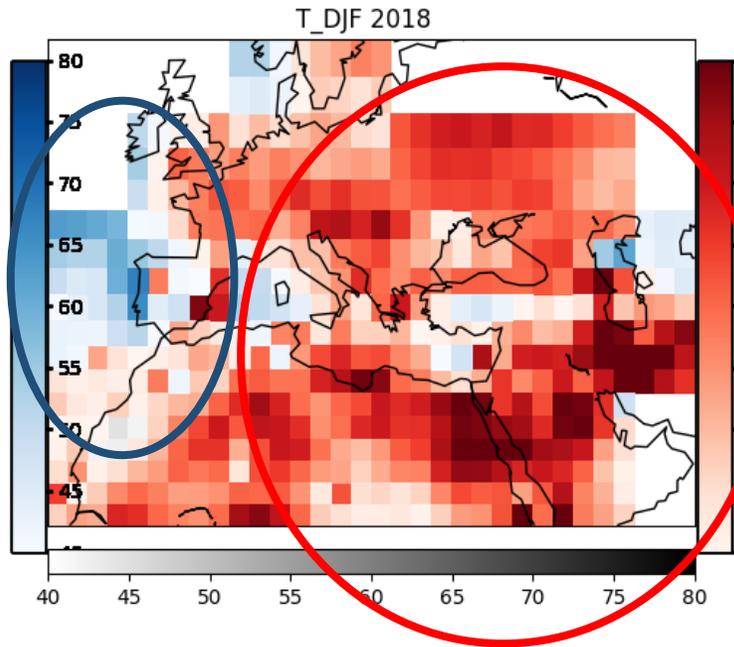
Ibimet-CNR Seasonal Forecast
multi-regressive model
Hunter v2.01

SPECS Empirical Seasonal Forecast: Surface air temperature (DJF 2018)
Ensemble mean anomaly (wrt 1980-2010)
Ensemble size: 51 | Forecast generation date: 08/11/2018 | Stippled where NOT significant at 10% level | base time: Nov 2018

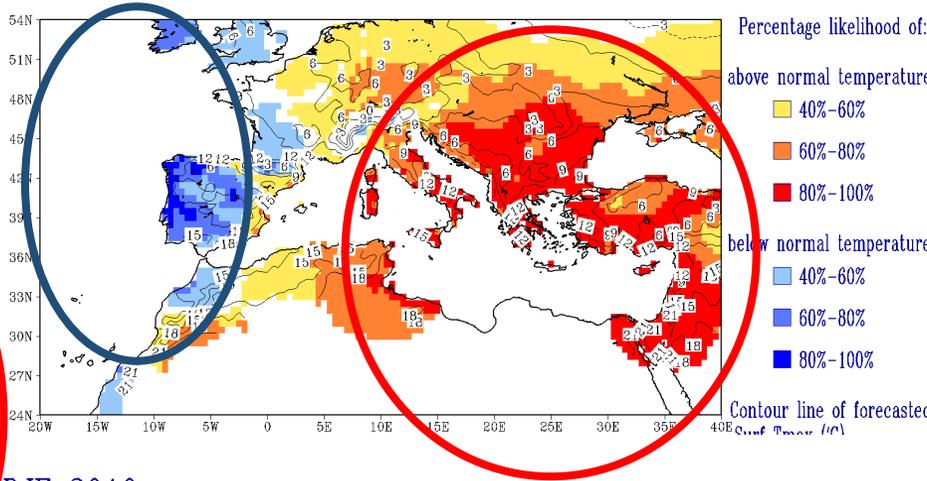


DJF 2018-2019 - summary

Precipitation

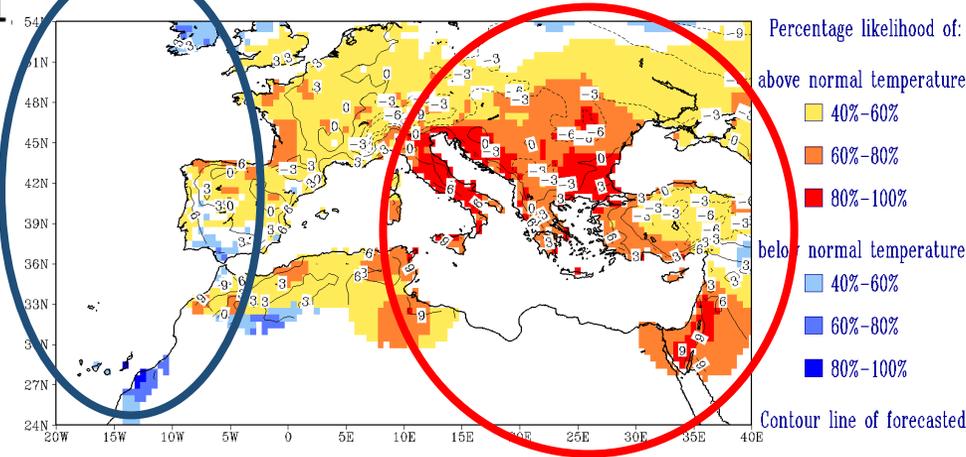


DJF 2019
 Most likely category for Surf Max Temperature
 Forecast issued on 20/11/2018



Ibimet-CNR Seasonal Forecast
 multi-regressive model
 Hunter v2.01

DJF 2019
 Most likely category for Surf Min Temperature
 Forecast issued on 20/11/2018



Ibimet-CNR Seasonal Forecast
 multi-regressive model
 Hunter v2.01

Ibimet-CNR
 Based on ECAD monthly dataset at 0.25x0.25 spatial resolution with 1981-2010 climatological reference

SPECS Empirical Seasonal Forecast: Surface air temperature (DJF 2018)
 Ensemble mean anomaly (wrt 1980-2010)
 Ensemble size: 51 | Forecast generation date: 08/11/2018 | Stippled where NOT significant at 10% level | base time: Nov 2018

