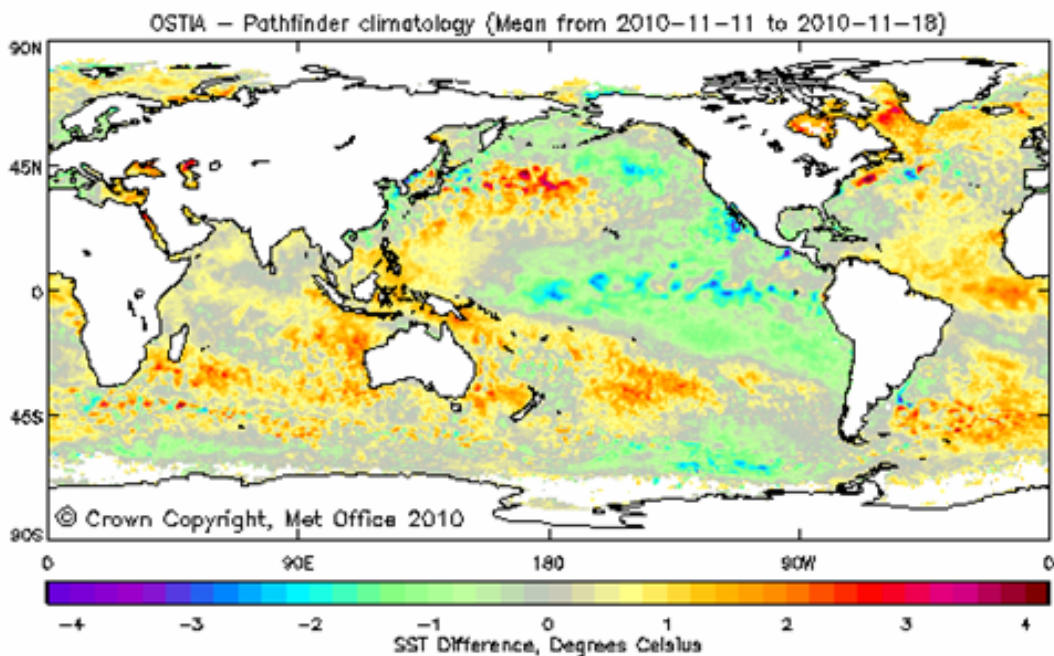
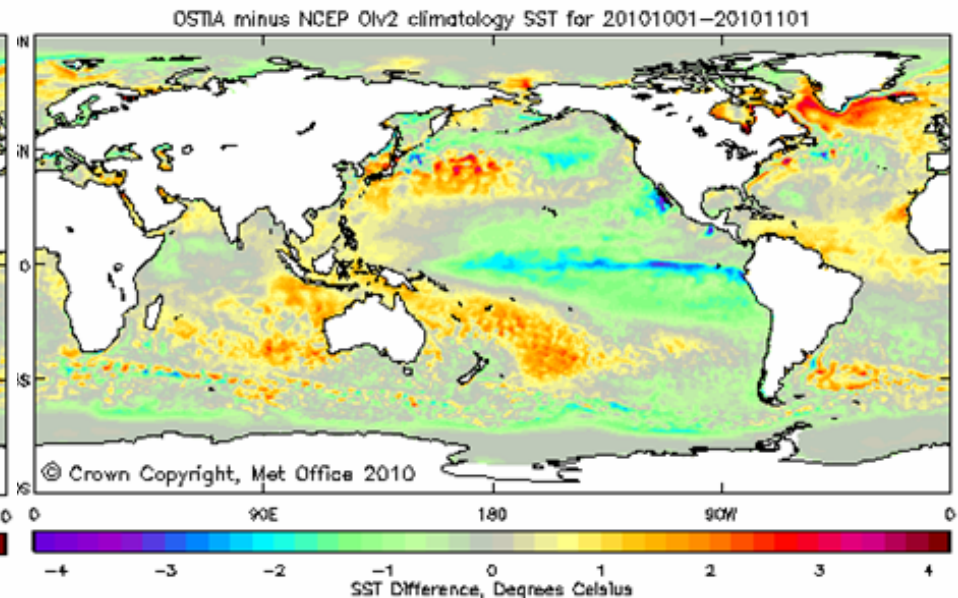
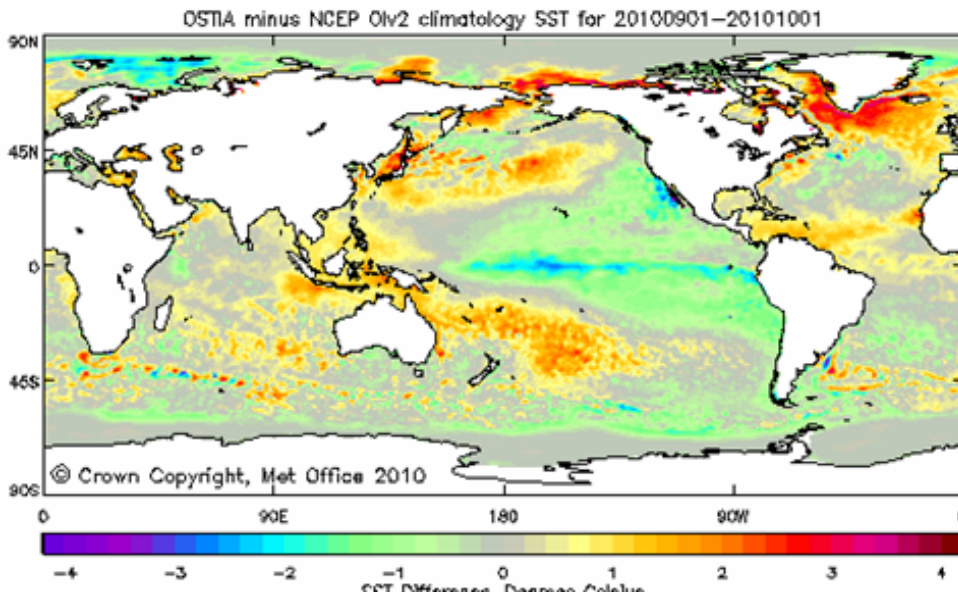


# SST observations

September

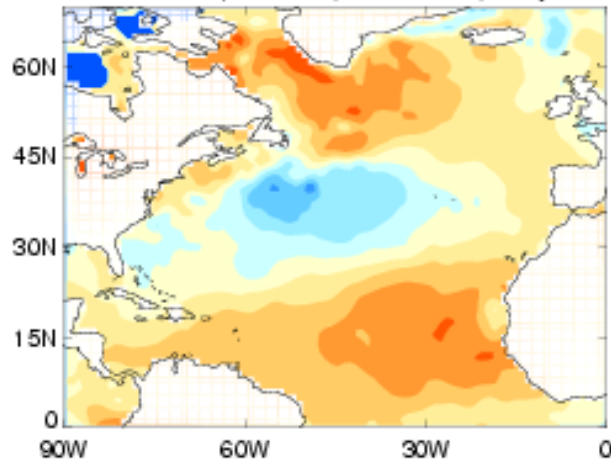
October



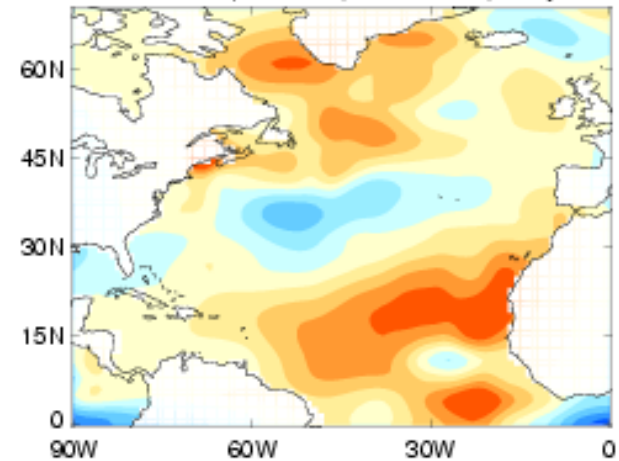
11<sup>th</sup> November –  
18<sup>th</sup> November

# SST observations

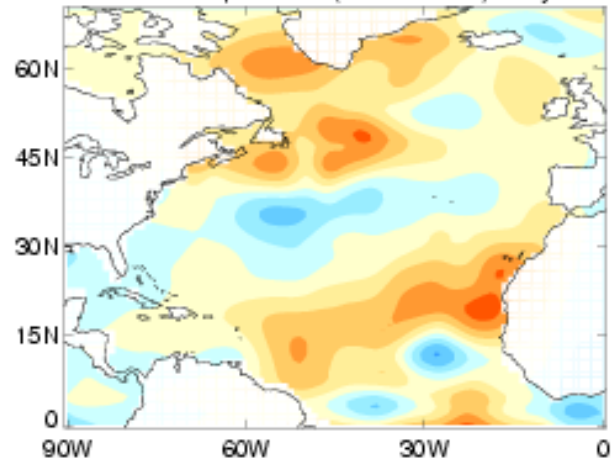
HadISST temp anom (1971-2000) May 2010



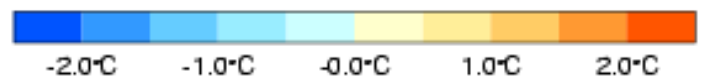
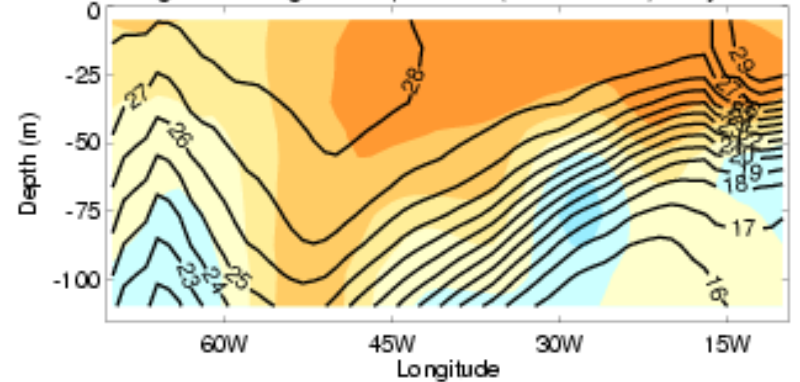
30m-60m temp anom (1971-2000) May 2010



60m-90m temp anom (1971-2000) May 2010

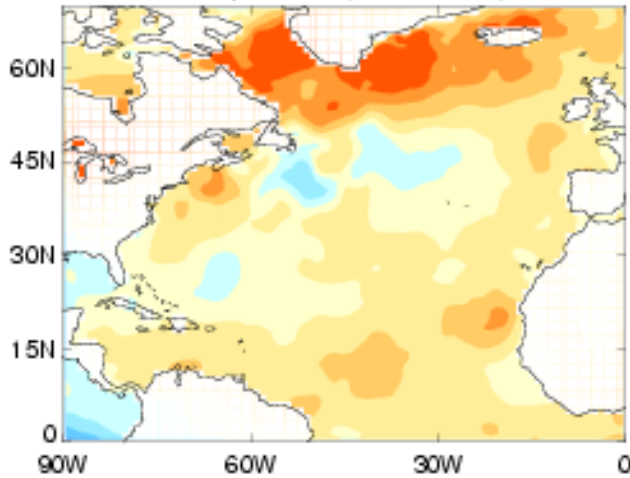


5 deg N-15 deg N temp anom (1971-2000) May 2010

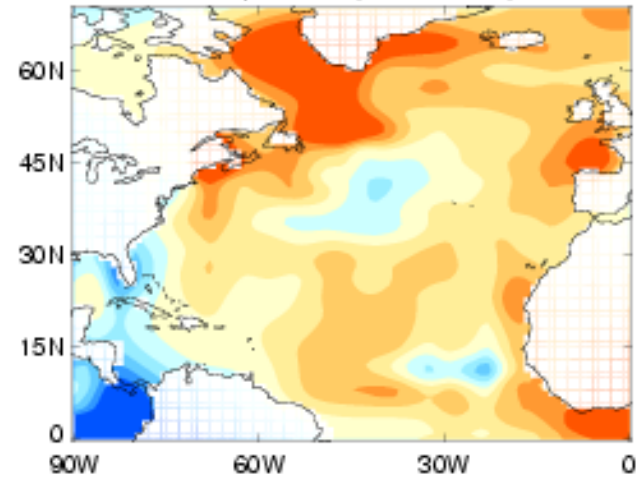


# SST observations

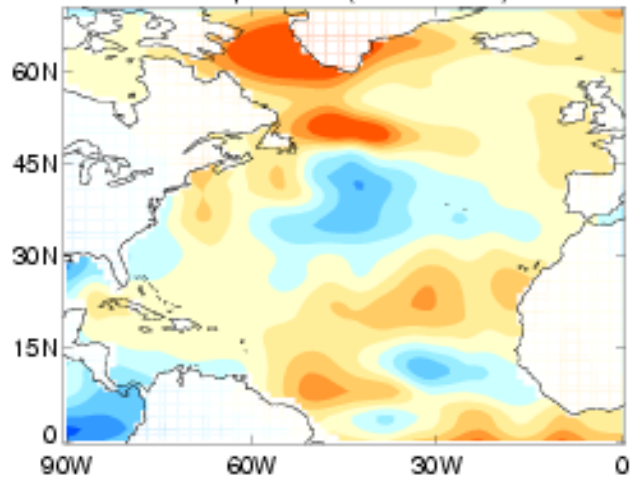
HadSST temp anom (1971-2000) Oct 2010



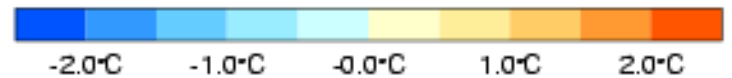
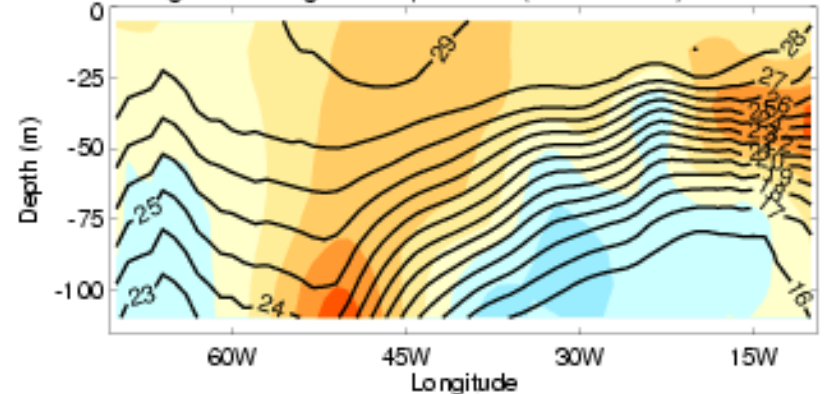
30m-60m temp anom (1971-2000) Oct 2010



60m-90m temp anom (1971-2000) Oct 2010



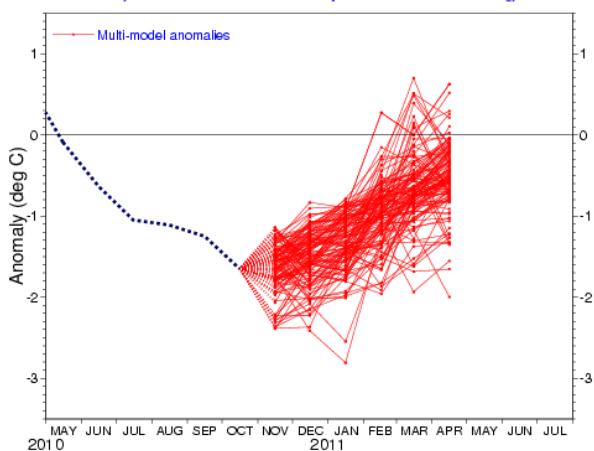
5 deg N-15 deg N temp anom (1971-2000) Oct 2010



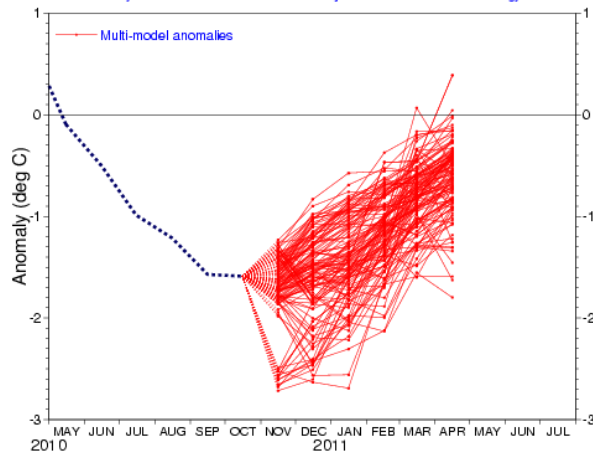
# Niño indices

## EUROSIP

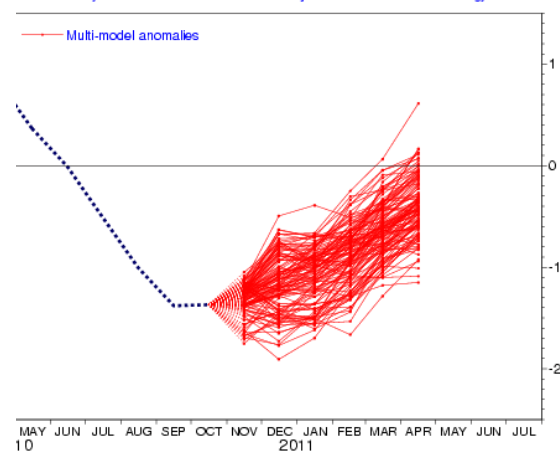
NINO3 SST anomaly plume  
 EUROSIP multi-model forecast from 1 Nov 2010  
 ECMWF, Met Office, Météo-France  
 Monthly mean anomalies relative to NCEP adjusted OIv2 1971-2000 climatology



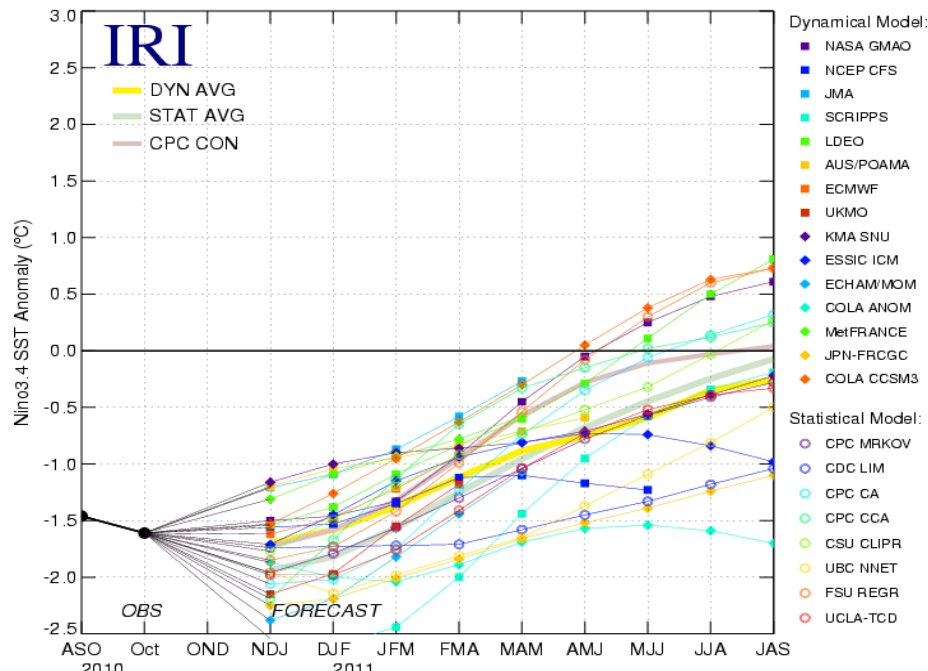
NINO3.4 SST anomaly plume  
 EUROSIP multi-model forecast from 1 Nov 2010  
 ECMWF, Met Office, Météo-France  
 Monthly mean anomalies relative to NCEP adjusted OIv2 1971-2000 climatology



NINO4 SST anomaly plume  
 EUROSIP multi-model forecast from 1 Nov 2010  
 ECMWF, Met Office, Météo-France  
 Monthly mean anomalies relative to NCEP adjusted OIv2 1971-2000 climatology

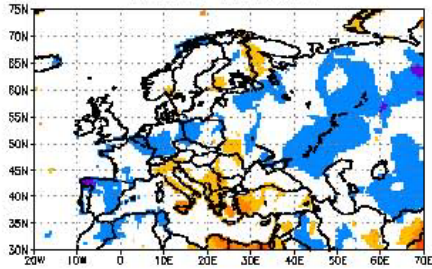


## Model Predictions of ENSO from Nov 2010

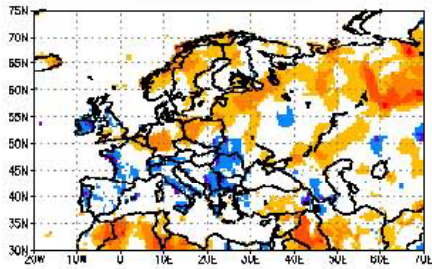


# La Niña teleconnections

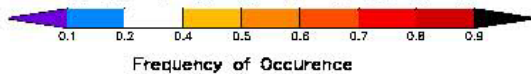
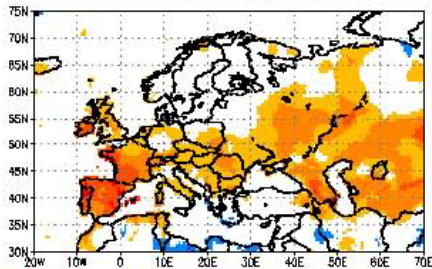
Temperature Probabilities for DJF associated with La Niña (Min. 10 NINO3.4 SSTa DJF 1950–1995)  
"ABOVE-NORMAL"



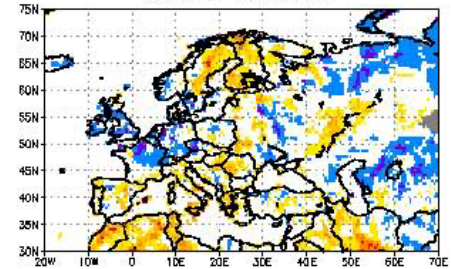
"NEAR-NORMAL"



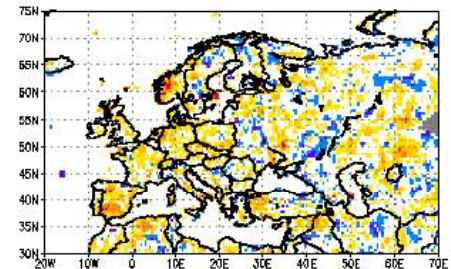
"BELOW-NORMAL"



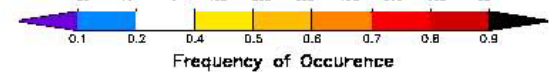
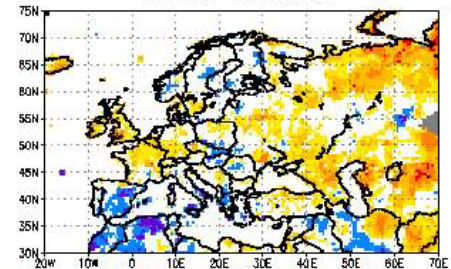
Precipitation Probabilities for DJF associated with La Niña (Min. 10 NINO3.4 SSTa DJF 1950–1995)  
"ABOVE-NORMAL"



"NEAR-NORMAL"



"BELOW-NORMAL"



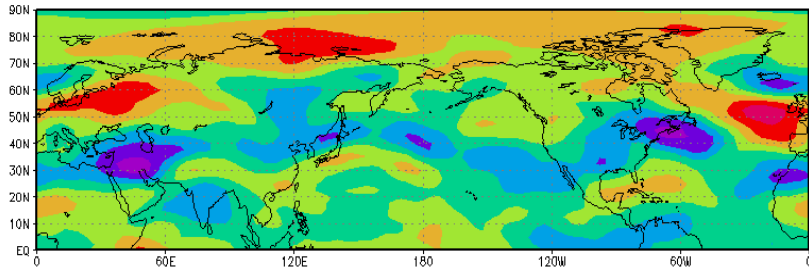
Cold NINO3.4 Yrs (incr. magnitude): 1963, 1985, 1965, 1951, 1955, 1956, 1989, 1976, 1971, 1974

GREY areas indicate dry season (seasonal avg. <5cm & <15% annual avg.)  
Cold NINO3.4 Yrs (incr. magnitude): 1963, 1985, 1965, 1951, 1955, 1956, 1989, 1976, 1971, 1974

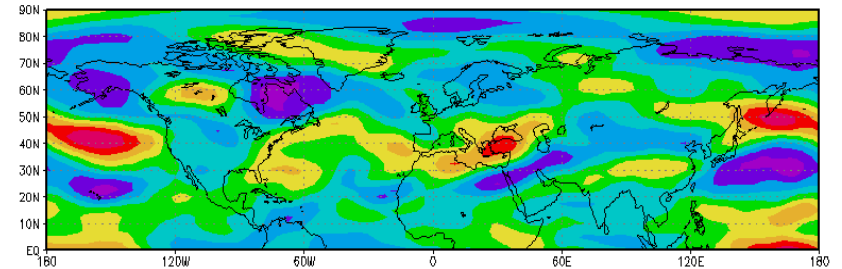
# Autumn signals in Northern Hemisphere

# Zonal wind anomalies at 300 hPa (jet streams)

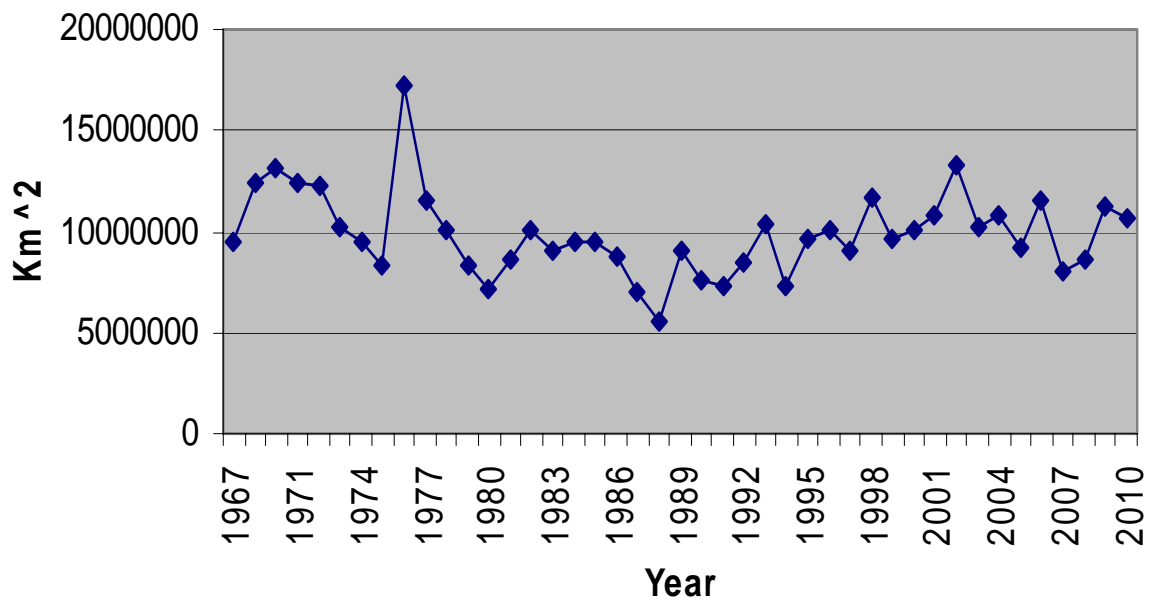
u300 anomalies November 2010



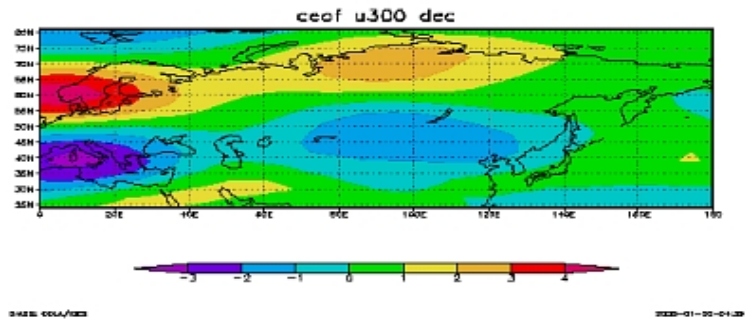
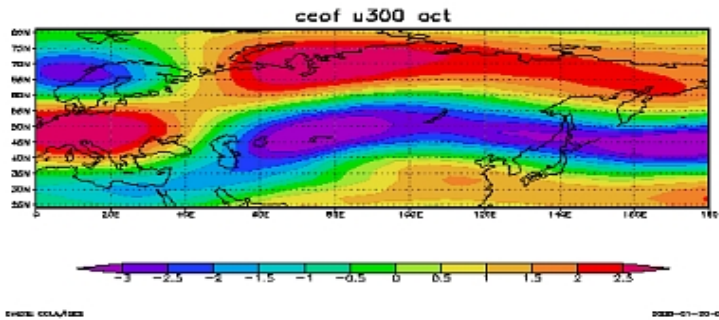
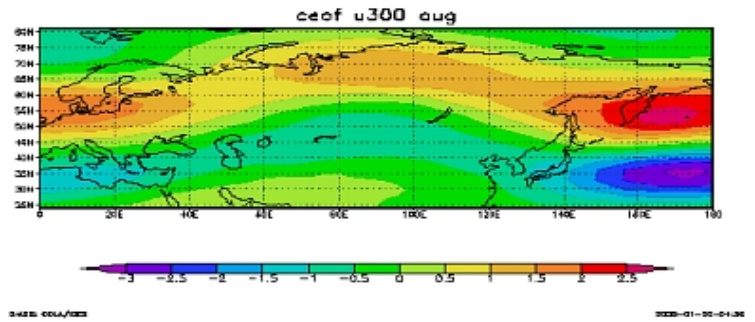
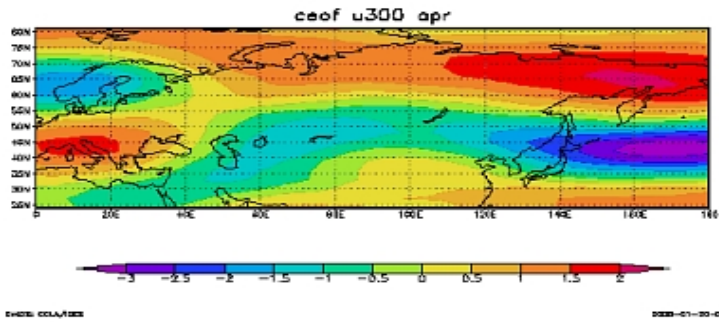
u300 anomalies October 2010



### Snow extent over Eurasia in October

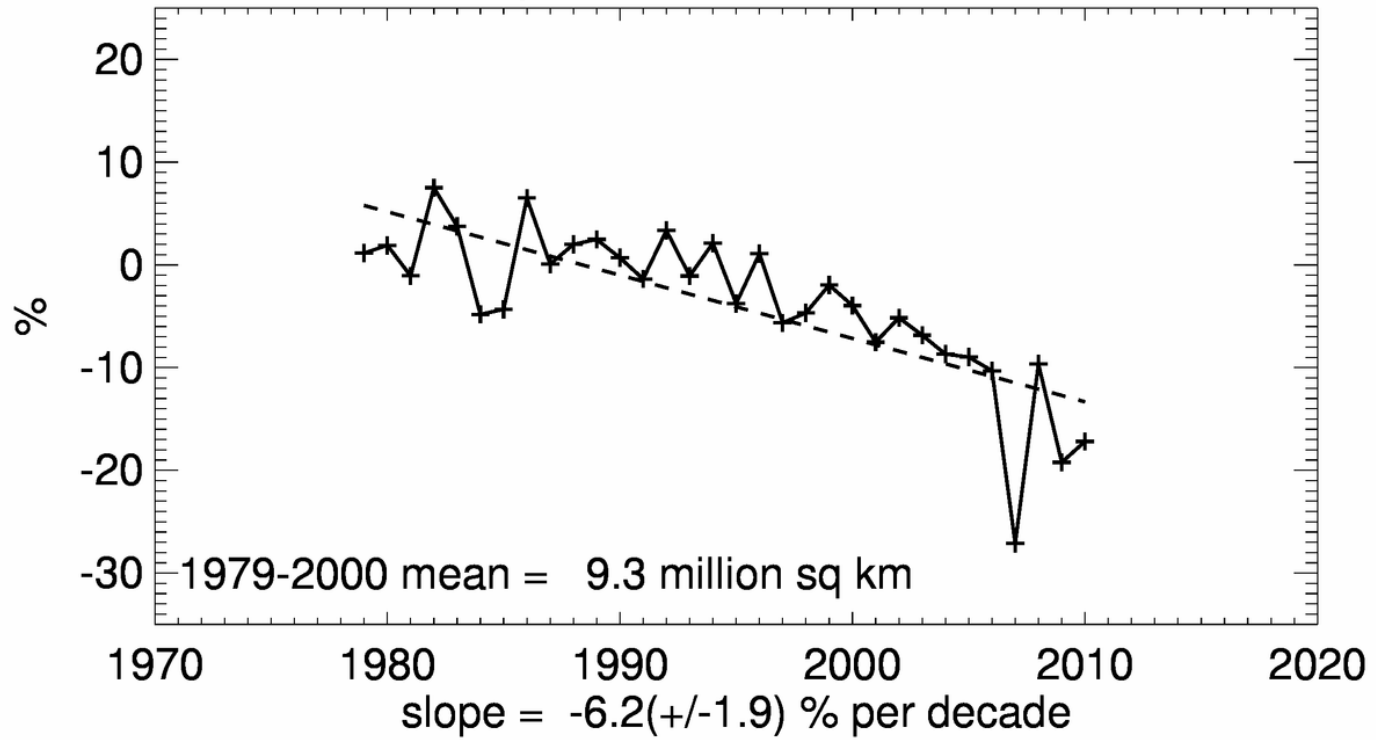


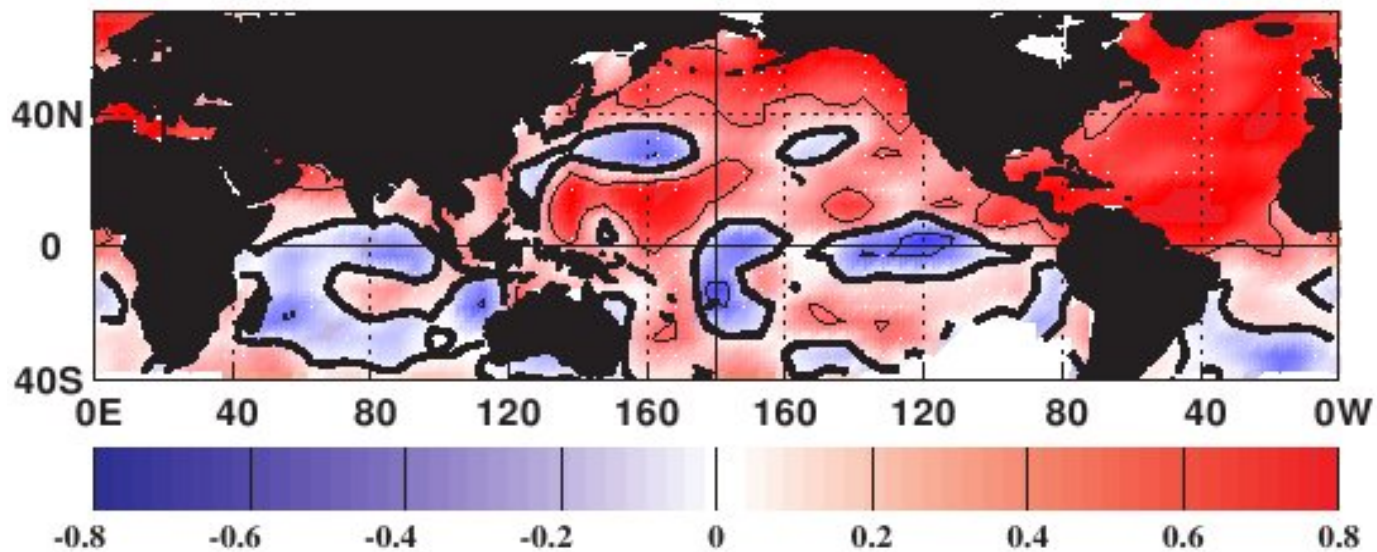
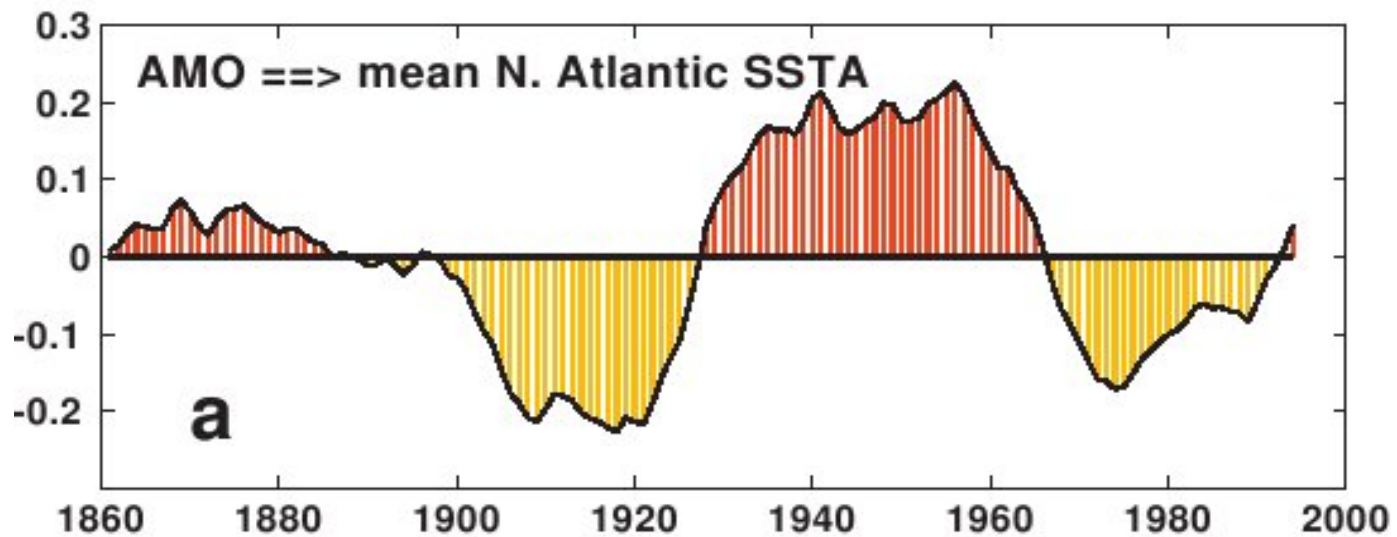




# Sea ice extent

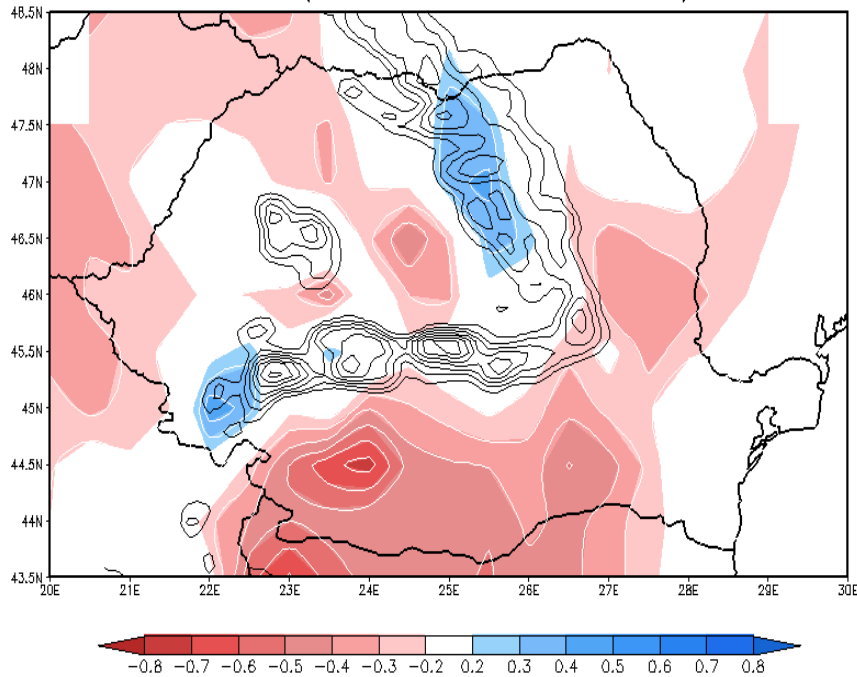
## Northern Hemisphere Extent Anomalies Oct 2010





# Blocking type pattern impact on regional snow

CCA 2 Grosimea medie a stratului de zapada/Z500  
R=0.58 (decembrie-februarie 1961-2000)



CCA 2 Z500/grosimea medie a stratului de zapada  
R=0.58 DIF (1962-2000)

