

East Atlantic - Western Russia Pattern

in Europe

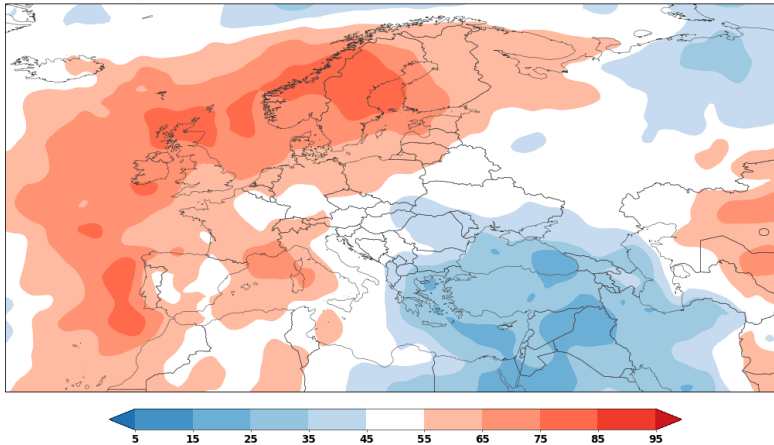


Positive Phase - Winter

Low pressure over Western Russia and high pressure over Western Europe

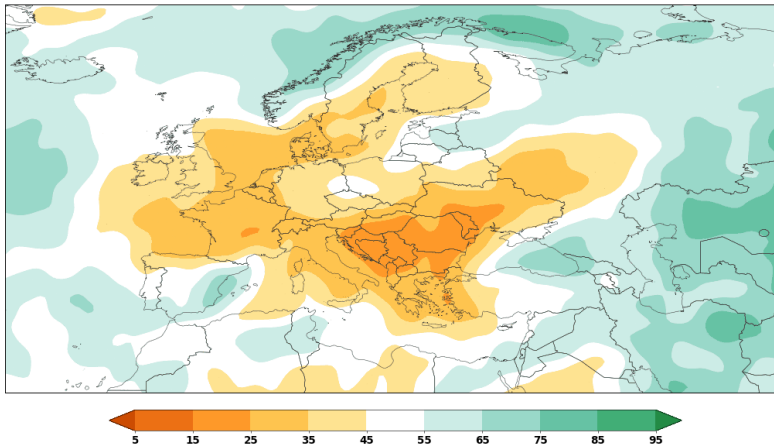
Percent of Years Having Above-Trend DEC-FEB 2m Temperature

1953 1958 1963 1971 1974 1975 1978 1981 1986 1988
1989 1991 1992 1996 1997 2001 2002 2006 2016 2019



Percent of Years Having Above-Normal DEC-FEB Precipitation (ERA5 Reanalysis)

1953 1958 1963 1971 1974 1975 1978 1981 1986 1988
1989 1991 1992 1996 1997 2001 2002 2006 2016 2019



More Heat in Western & Northern Europe

Less Heat in Southeastern Europe

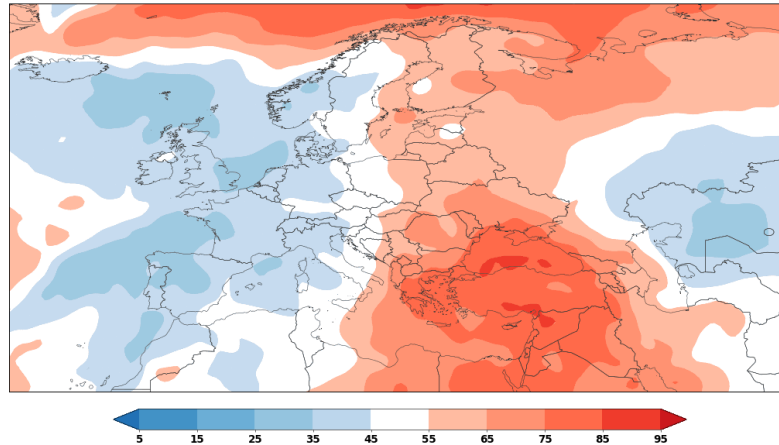
Less Rain Overall in Europe

Negative Phase - Winter

High pressure over Western Russia and low pressure over Central/Northwestern Europe

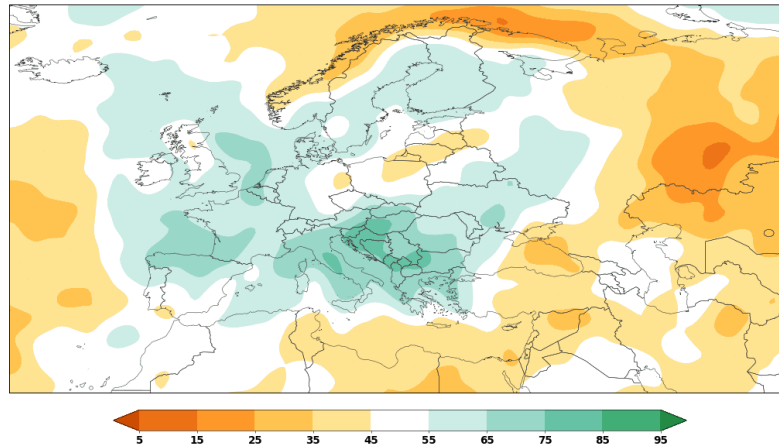
Percent of Years Having Above-Trend DEC-FEB 2m Temperature

1950 1951 1954 1960 1968 1969 1976 1980 1983 2004
2005 2008 2009 2011 2012 2013 2015 2017 2020 2022



Percent of Years Having Above-Normal DEC-FEB Precipitation (ERA5 Reanalysis)

1950 1951 1954 1960 1968 1969 1976 1980 1983 2004
2005 2008 2009 2011 2012 2013 2015 2017 2020 2022



Less Heat in Western Europe

More Heat in Eastern Europe

More Rain Overall in Europe

The EA-WR is only one factor in a complex system that influences the European climate. Long-range forecasts provided in the WCS Monthly Reports are the best guide to the season ahead.