

Atlas of European climate extremes since 1421

Supplement to the paper “Historical climate extremes in Europe and the connection between spring precipitation and summer heat”

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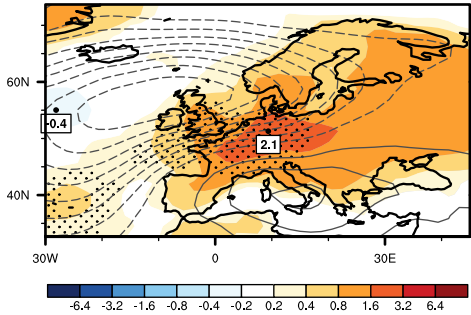
⁴ Institute of History, University of Bern, Bern, Switzerland

* [Corresponding author: stefan.broennimann@unibe.ch](mailto:stefan.broennimann@unibe.ch)

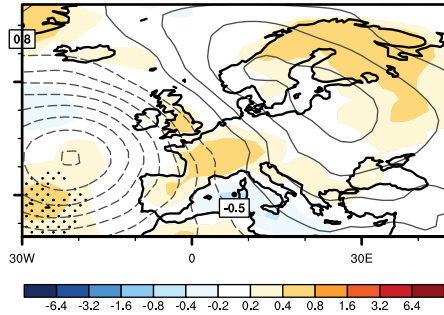
The following atlas shows maps of anomalies relative to the period 1500-1900 for the ensemble means of 2 m temperature, 500 hPa geopotential height (overlaid contours), precipitation, and sea-level pressure (overlaid contours). Each season includes these four fields for all three data sets (ModE-RA, ModE-RAclim, ModE-Sim). All maps of all seasons and all data sets are shown on the same color scale and contour spacing. The contour distance is 1 hPa for SLP and 10 gpm for 500 hPa GPH (negatives dashed, zero not shown). Stippling marks regions where at least 15 out of 20 members agree in sign. Minima and maxima for temperature and precipitation are indicated.

Winter (DJF) 1425

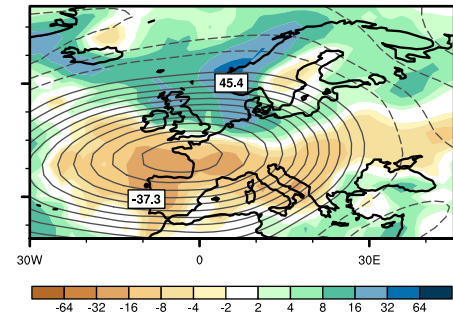
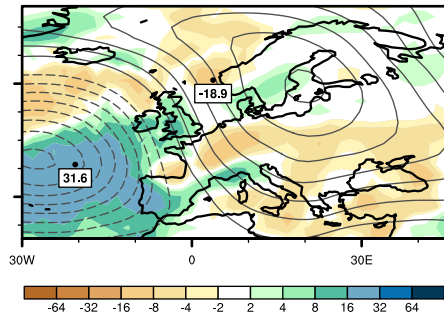
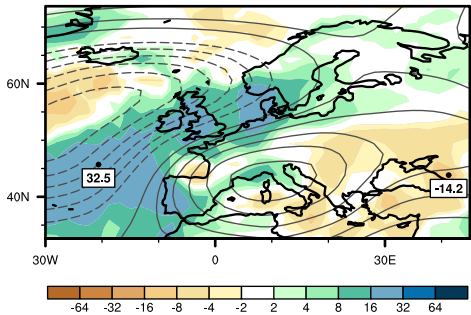
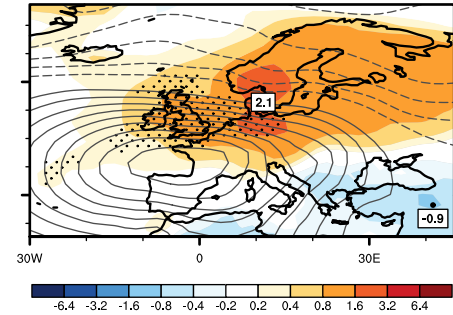
ModE-RA



ModE-Sim

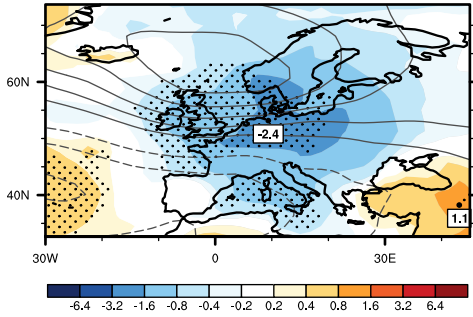


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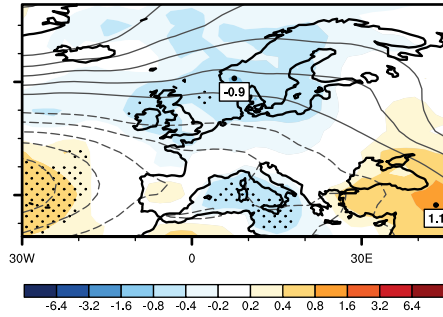


Winter (DJF) 1432

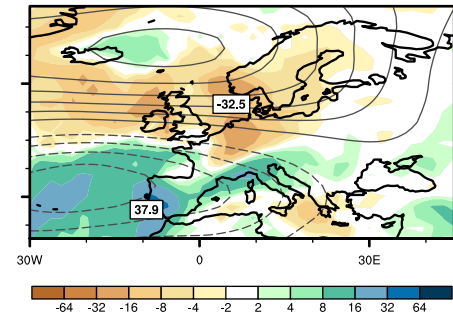
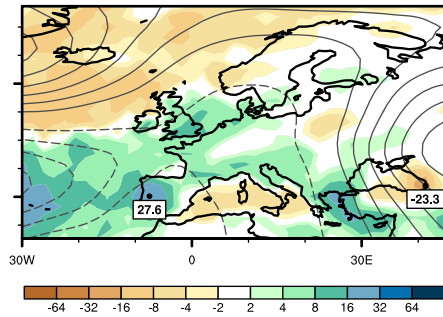
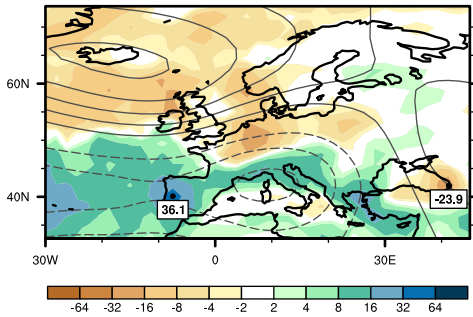
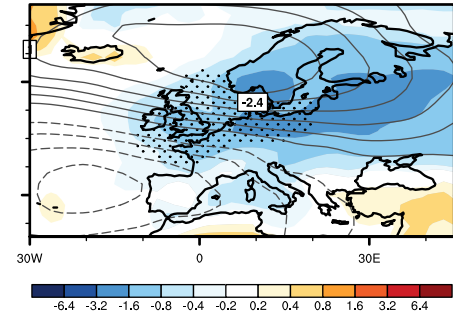
ModE-RA



ModE-Sim

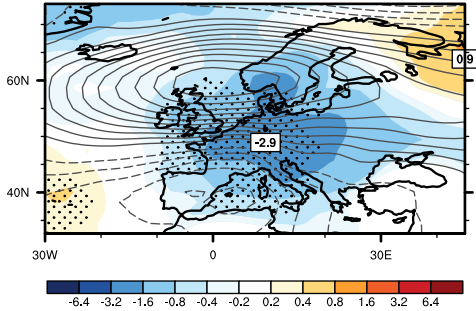


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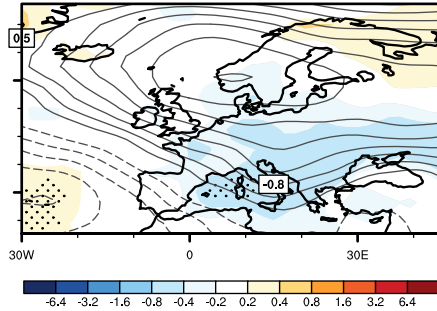


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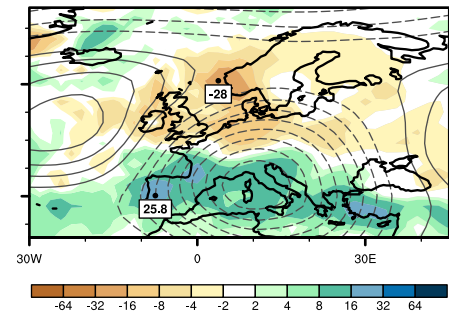
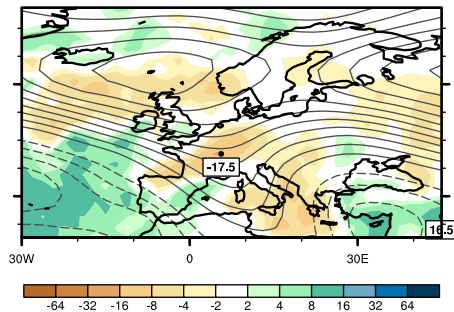
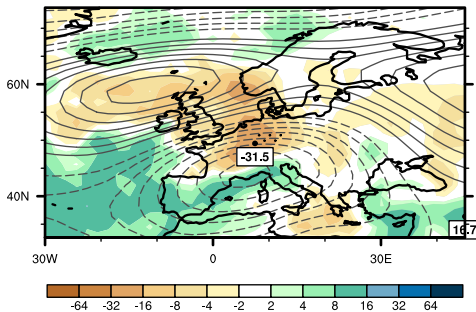
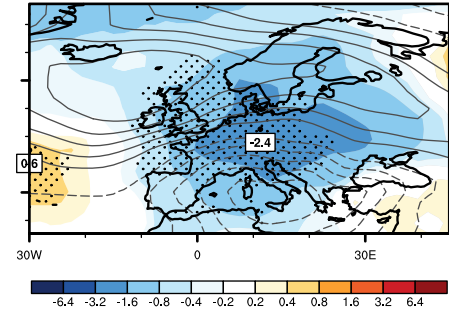
ModE-RA



ModE-Sim

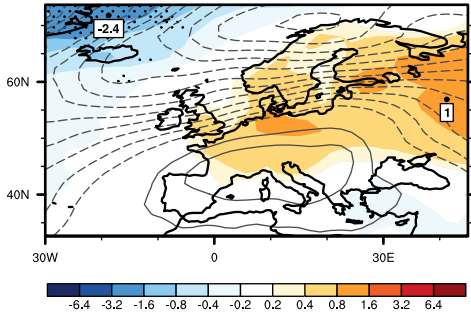


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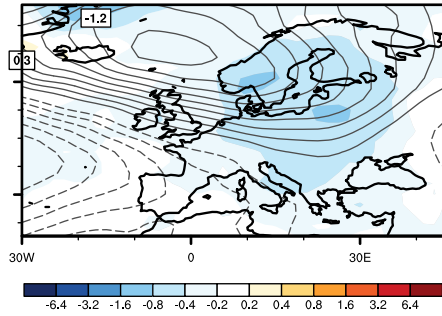


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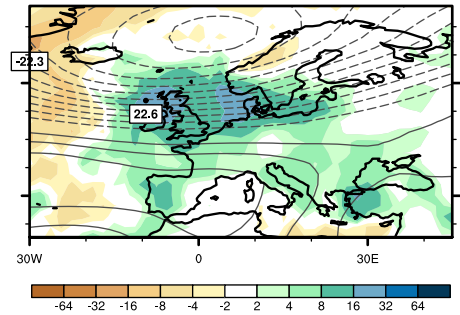
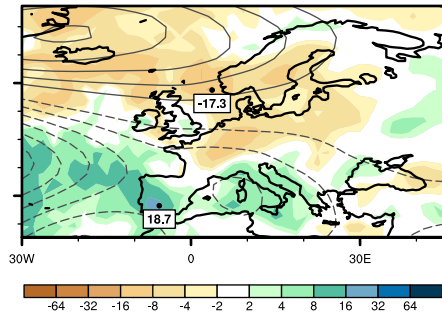
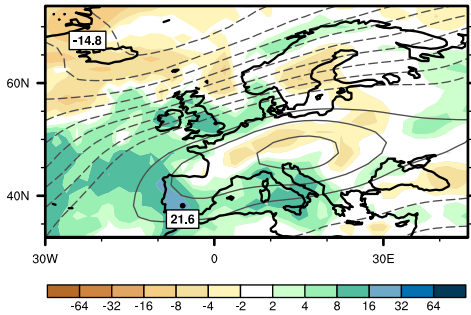
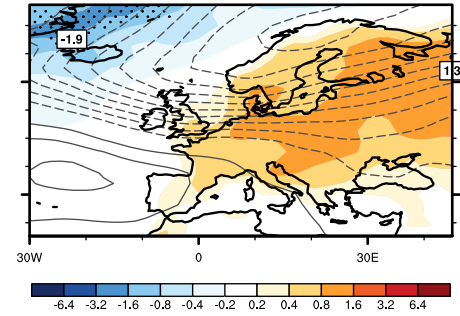
ModE-RA



ModE-Sim

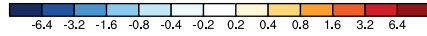
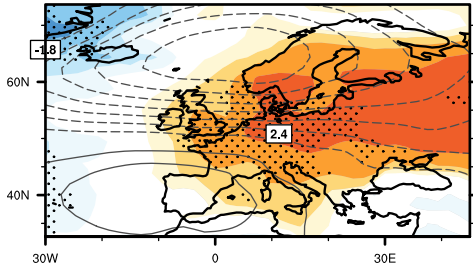


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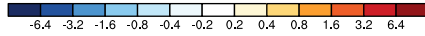
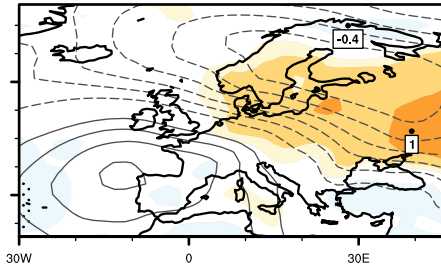


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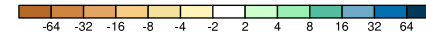
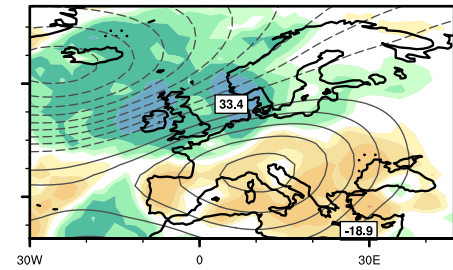
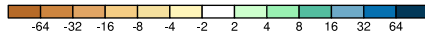
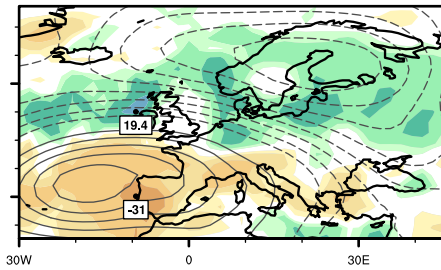
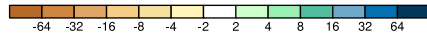
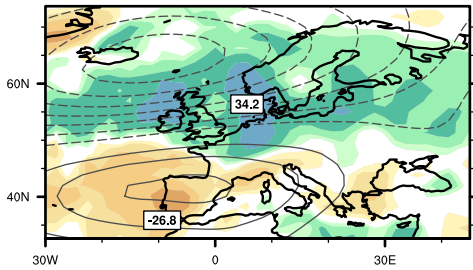
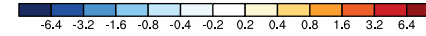
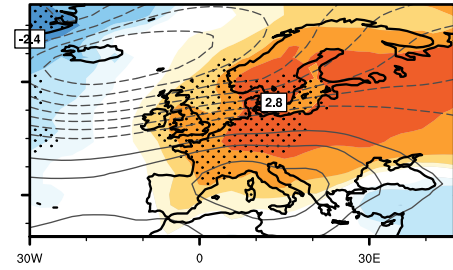
ModE-RA



ModE-Sim

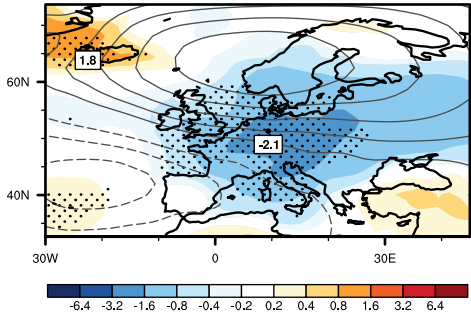


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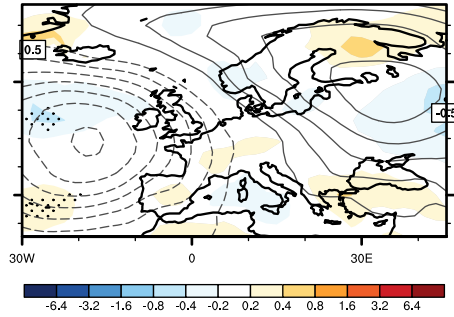


Winter (DJF) 1491

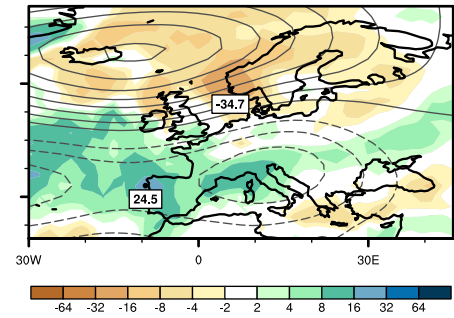
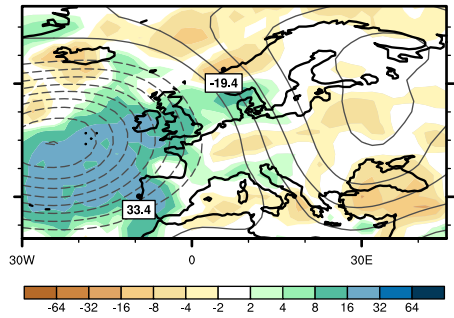
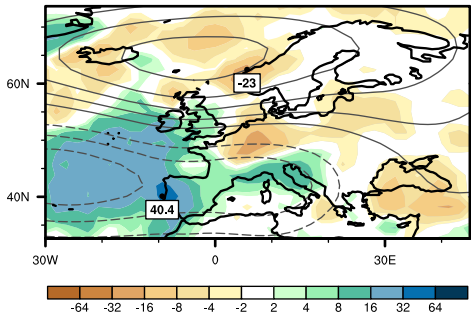
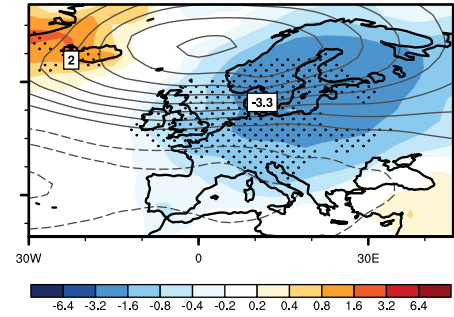
ModE-RA



ModE-Sim

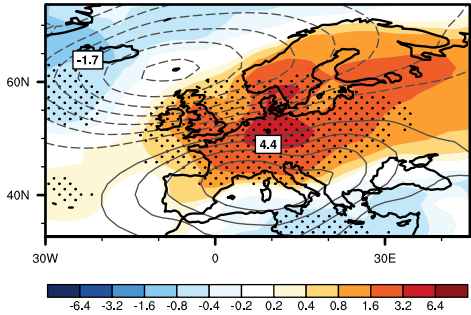


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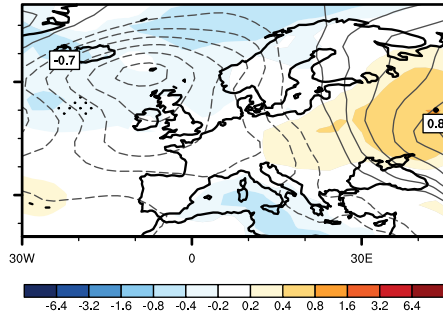


Winter (DJF) 1521

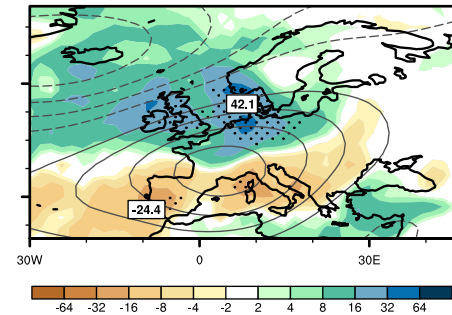
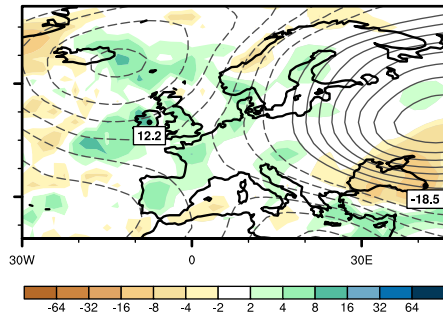
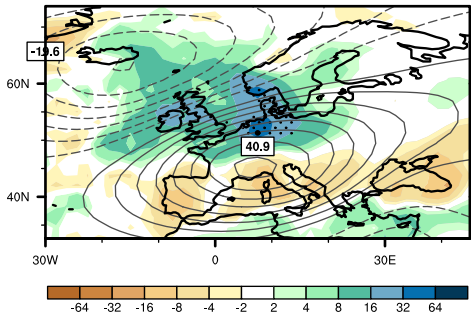
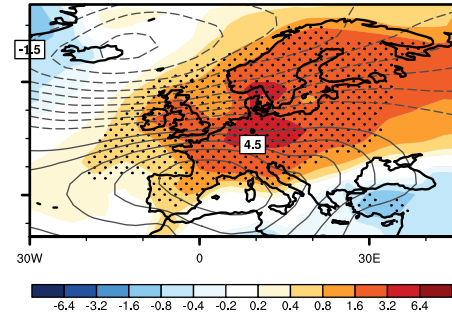
ModE-RA



ModE-Sim

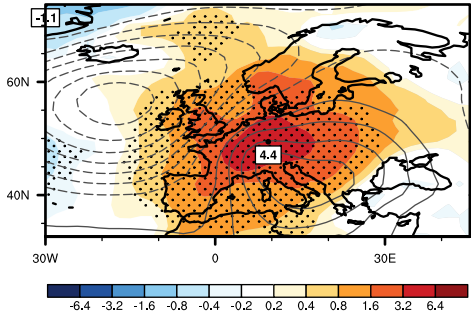


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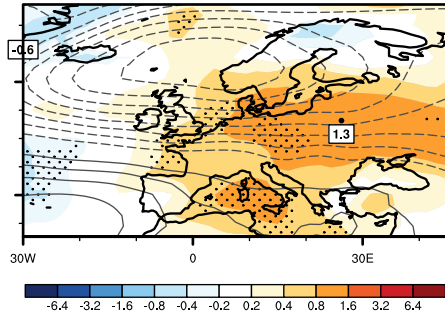


Winter (DJF) 1530

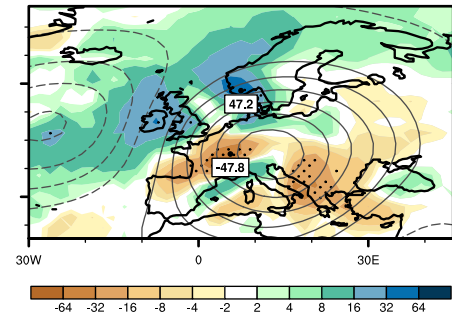
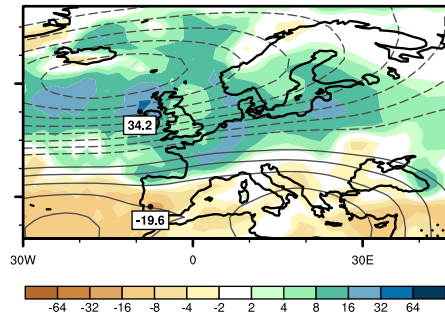
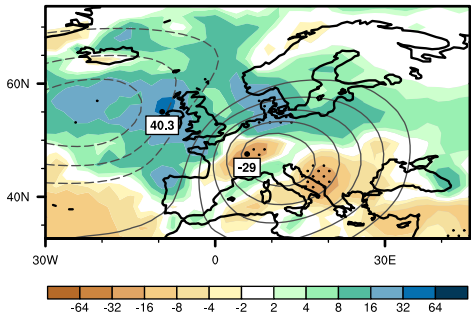
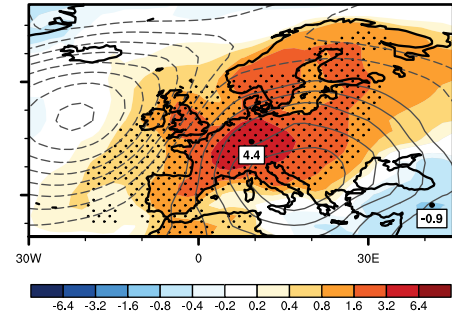
ModE-RA



ModE-Sim

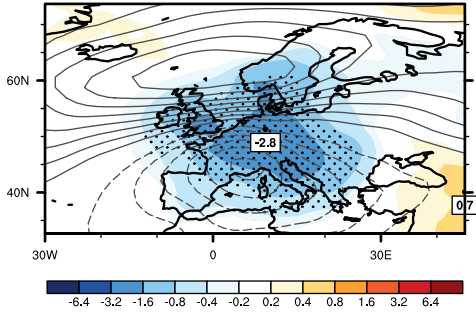


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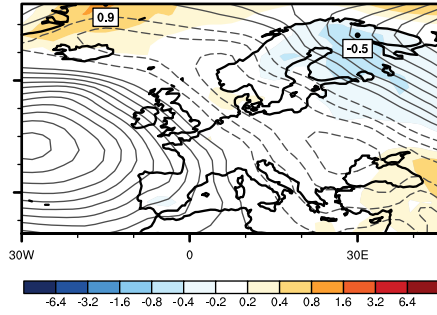


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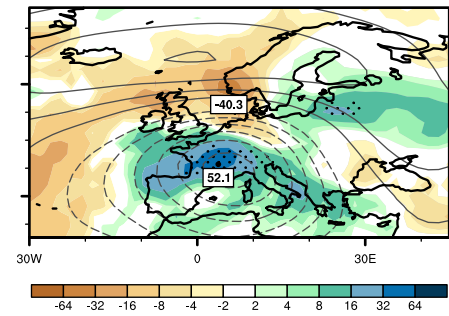
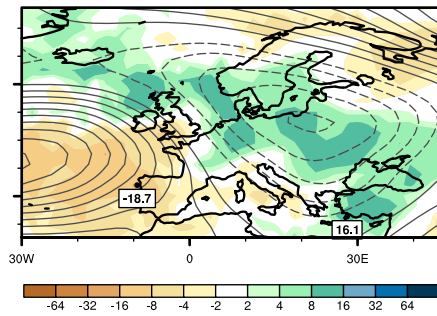
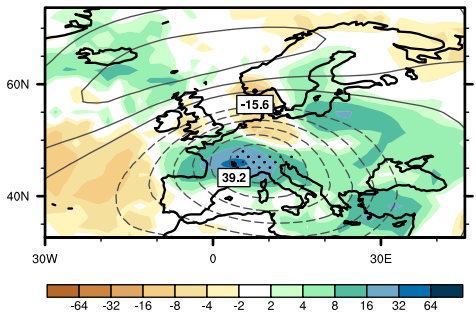
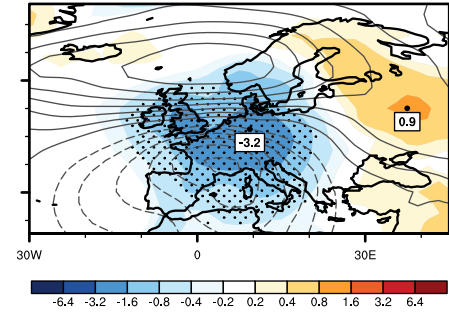
ModE-RA



ModE-Sim

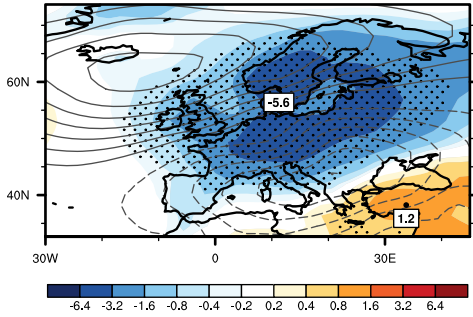


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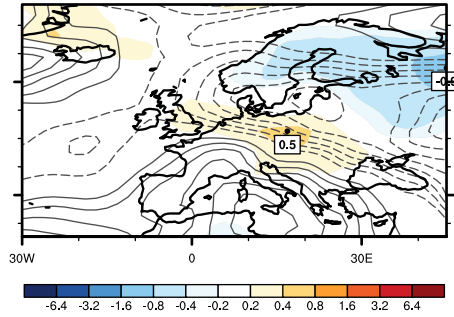


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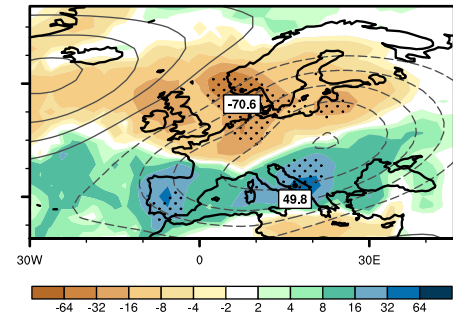
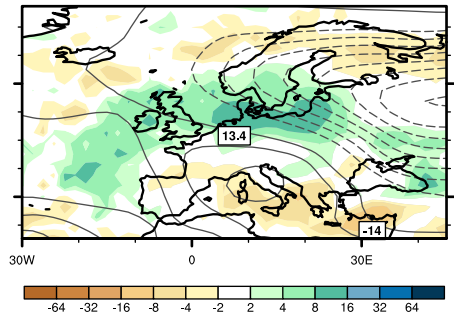
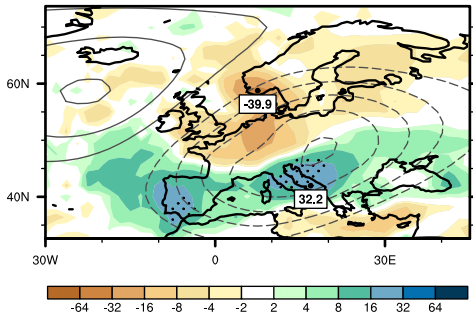
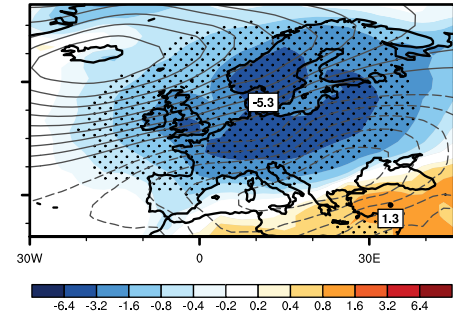
ModE-RA



ModE-Sim

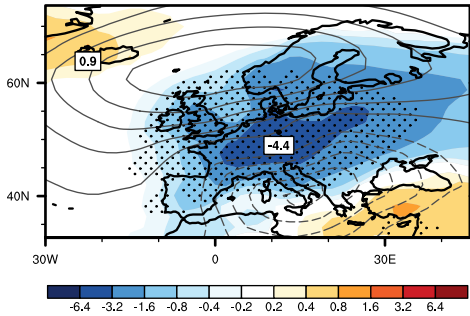


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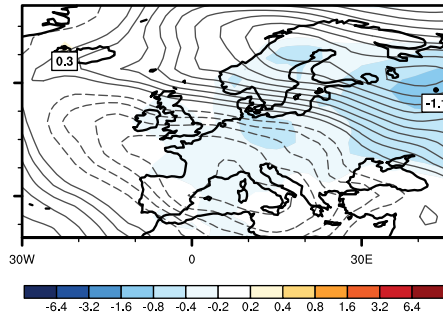


Winter (DJF) 1595

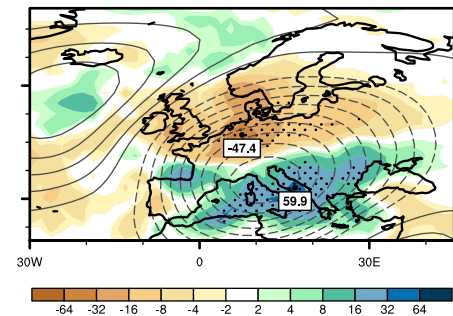
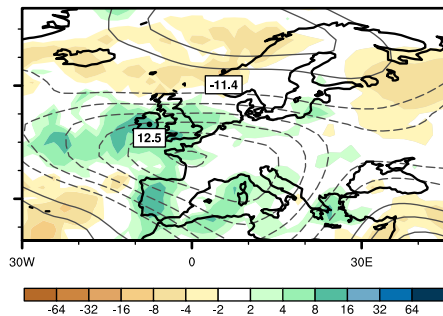
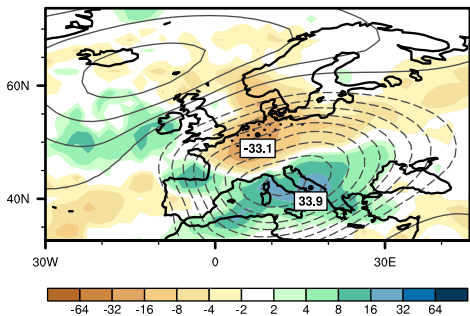
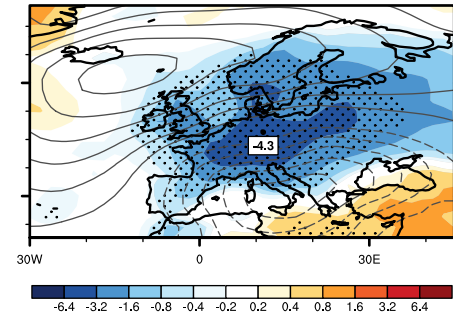
ModE-RA



ModE-Sim

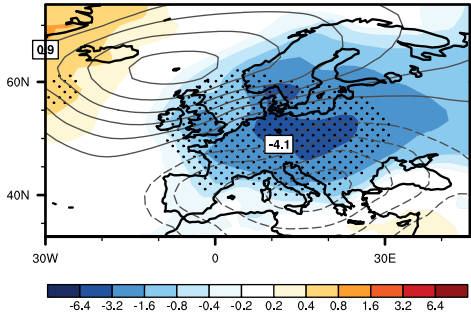


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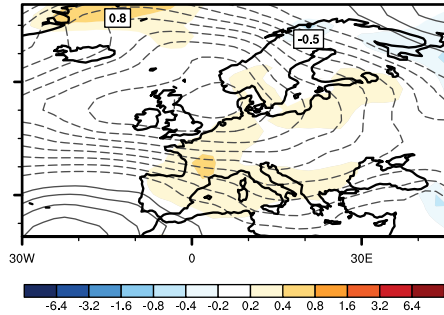


Winter (DJF) 1600

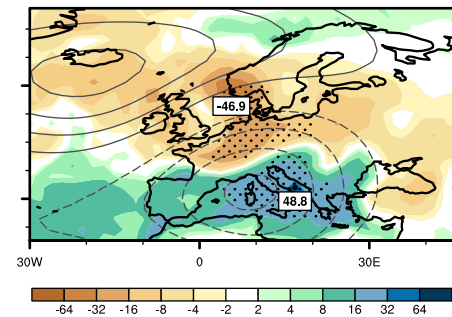
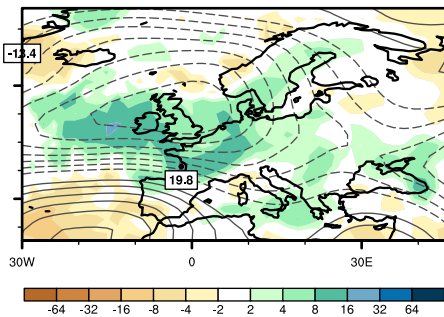
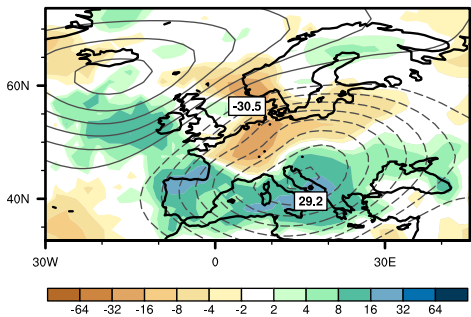
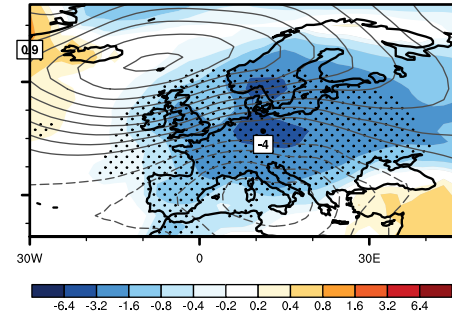
ModE-RA



ModE-Sim

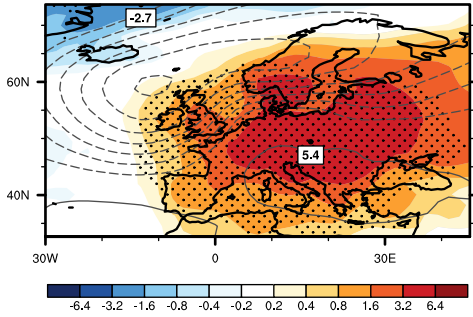


ModE-RAClim

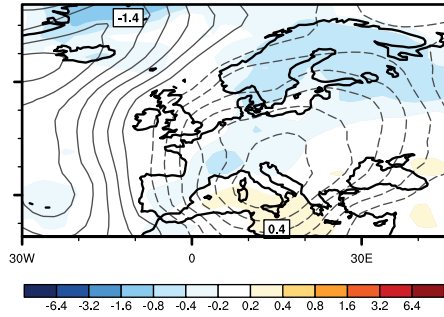


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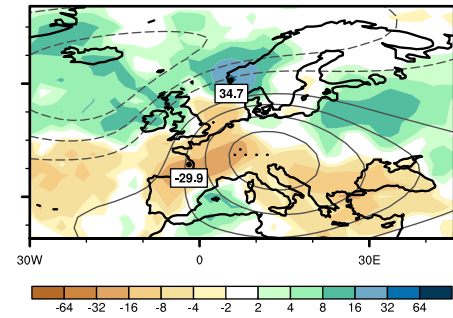
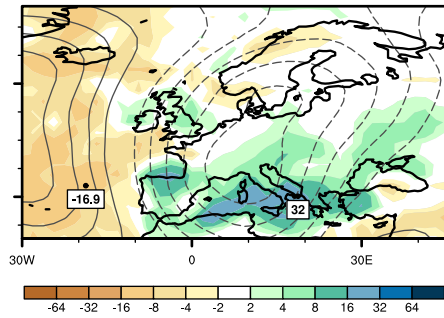
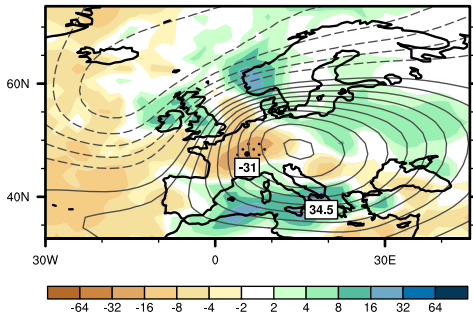
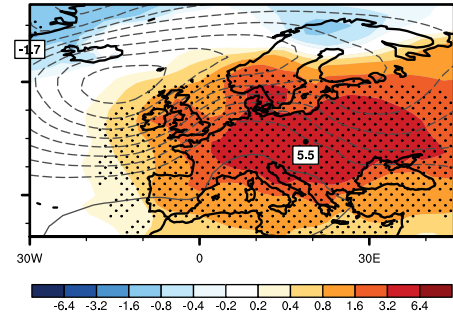
ModE-RA



ModE-Sim

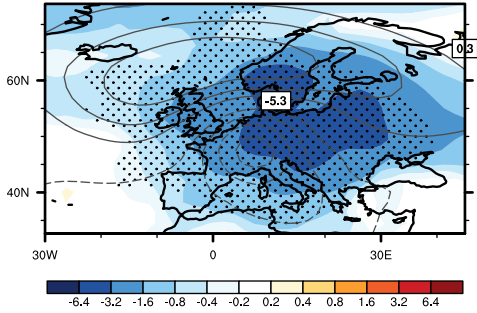


ModE-RAClim

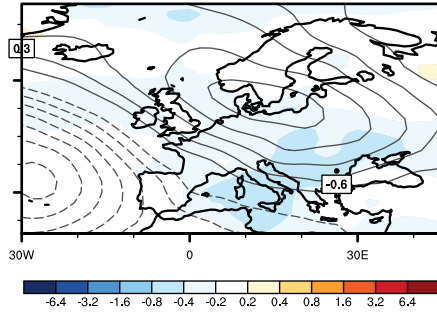


Winter (DJF) 1608

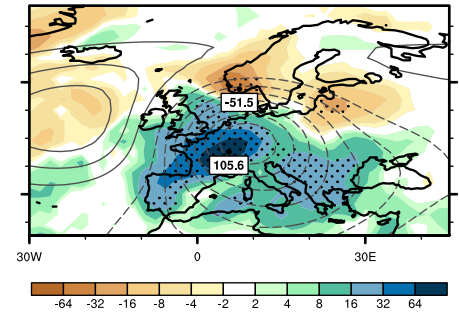
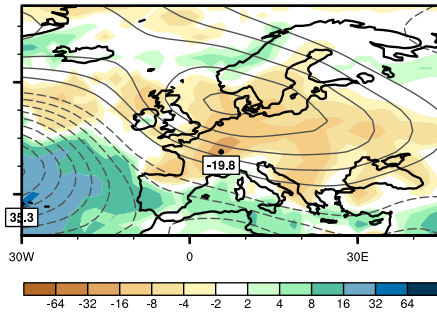
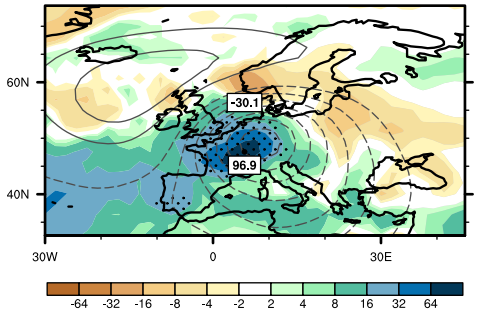
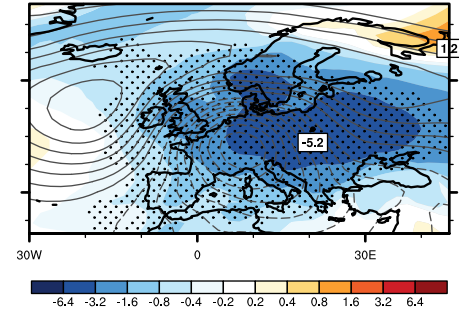
ModE-RA



ModE-Sim

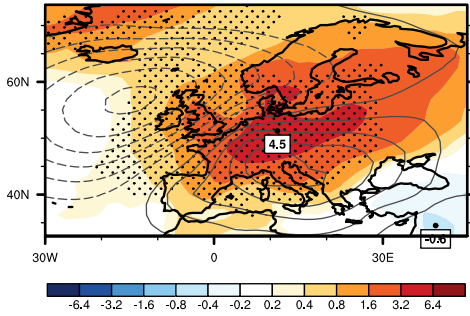


ModE-RAClim

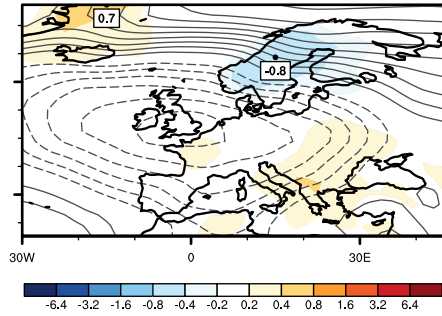


Winter (DJF) 1617

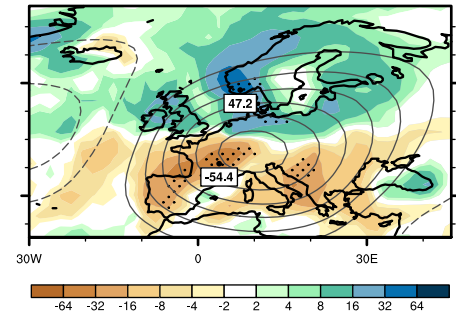
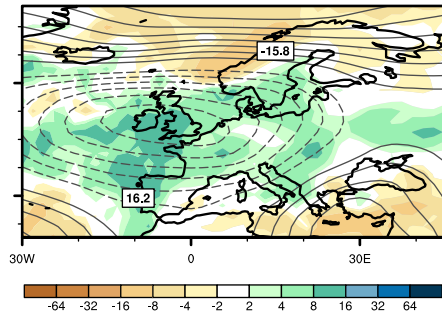
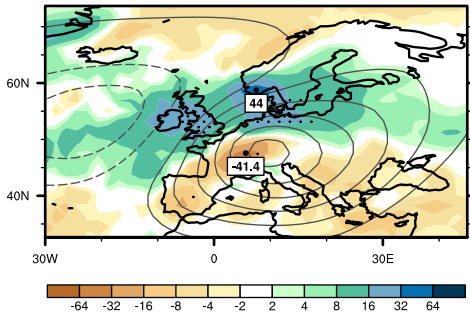
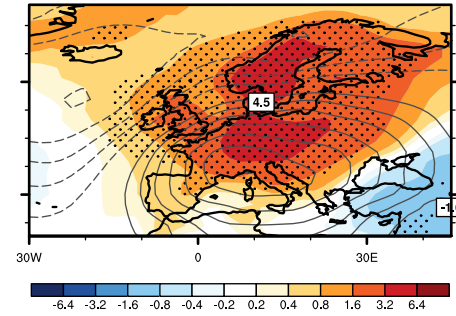
ModE-RA



ModE-Sim

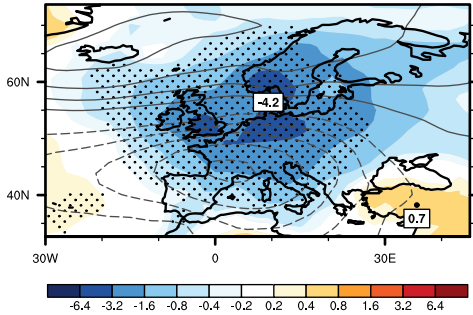


ModE-RAClim

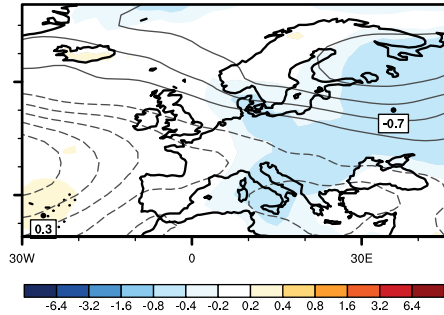


Winter (DJF) 1684

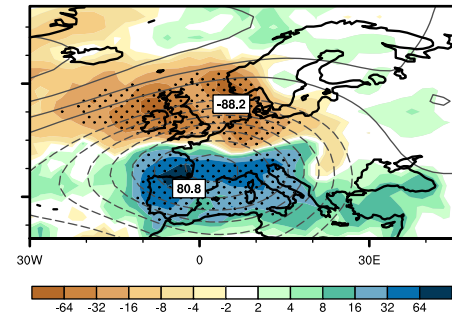
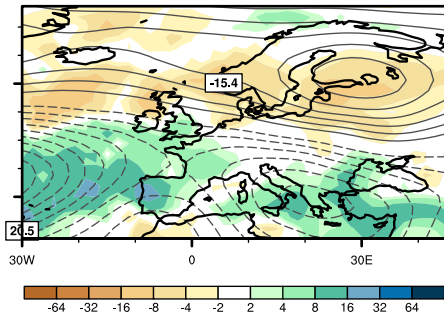
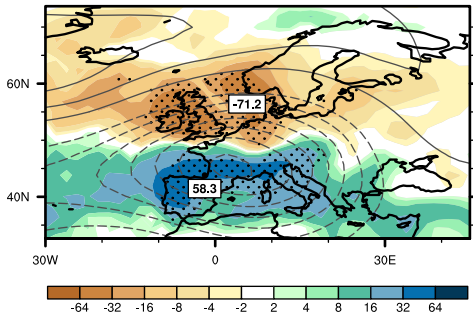
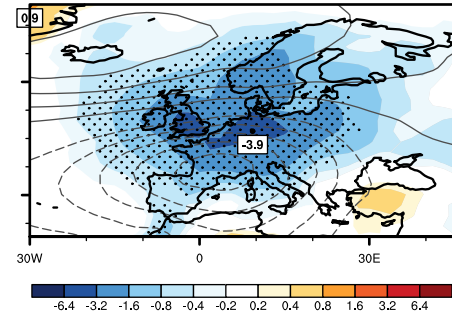
ModE-RA



ModE-Sim

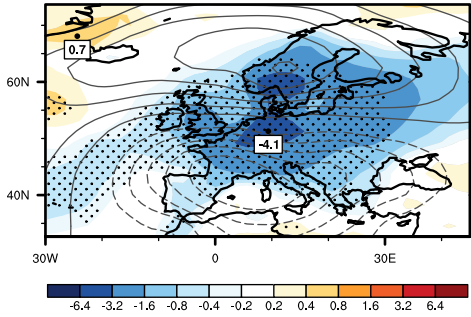


ModE-RAClim

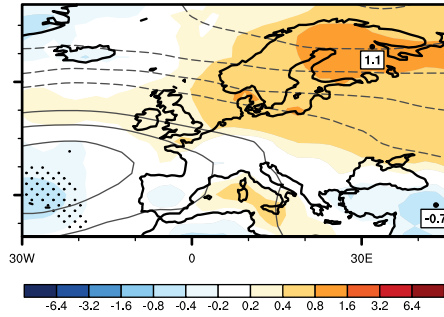


Winter (DJF) 1697

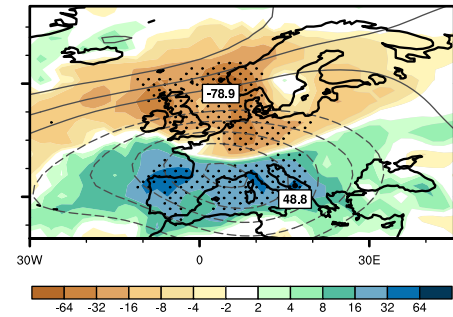
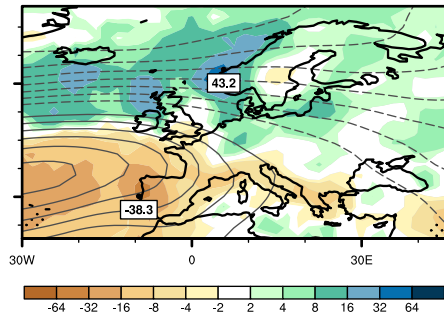
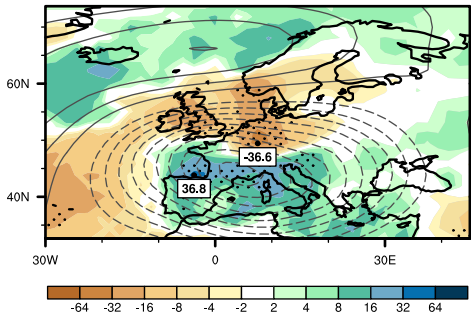
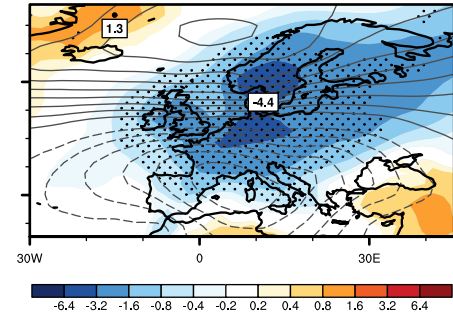
ModE-RA



ModE-Sim

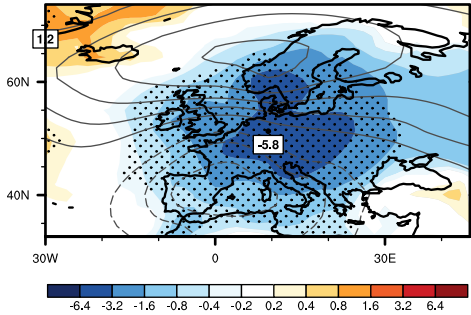


ModE-RAClim

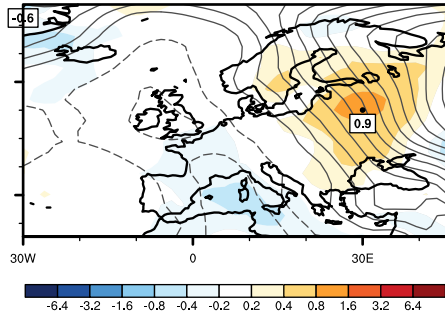


Winter (DJF) 1709

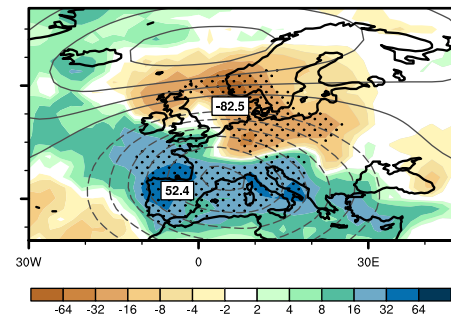
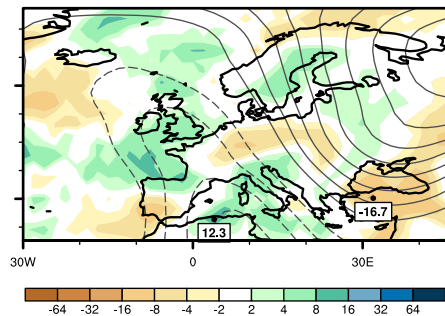
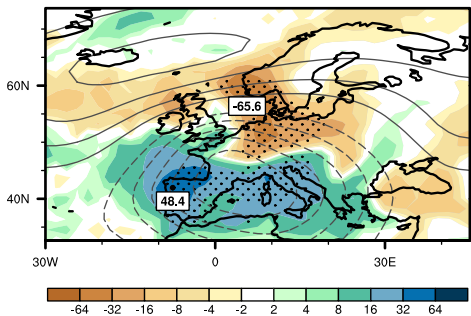
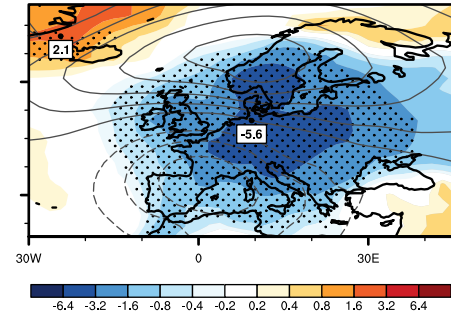
ModE-RA



ModE-Sim

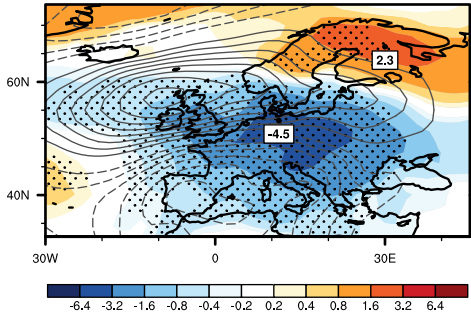


ModE-RAClim

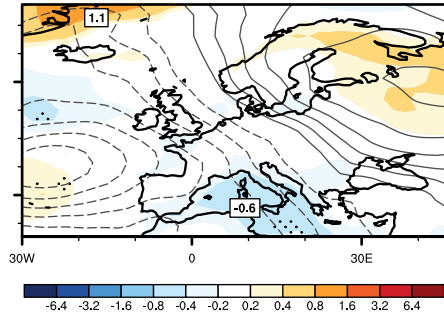


Winter (DJF) 1740

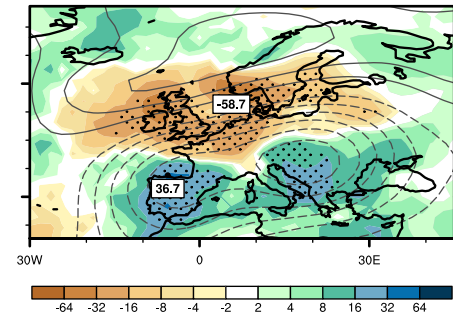
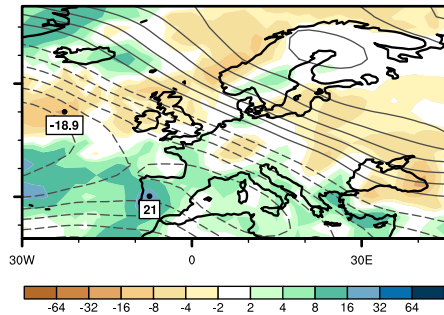
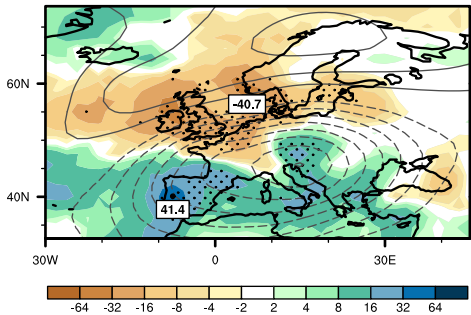
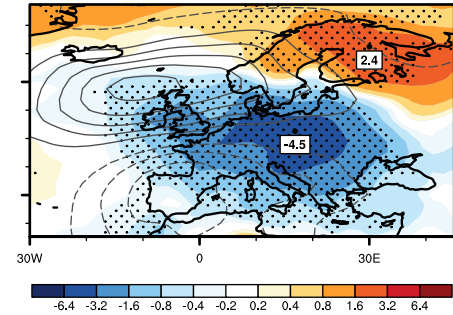
ModE-RA



ModE-Sim

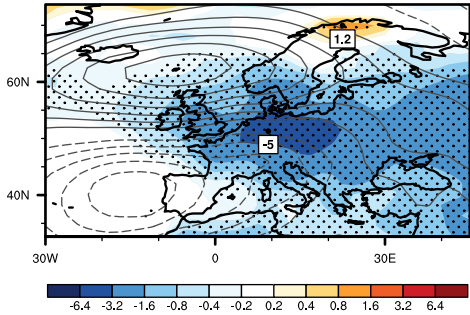


ModE-RAClim

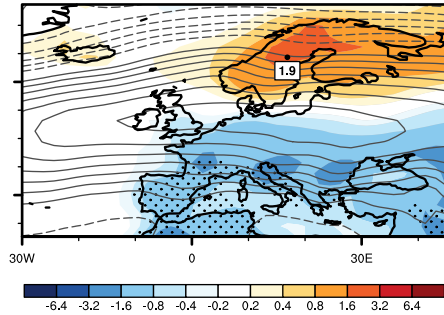


Winter (DJF) 1784

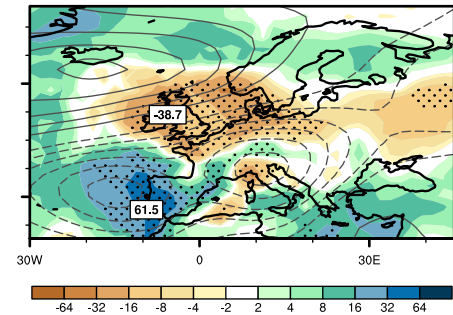
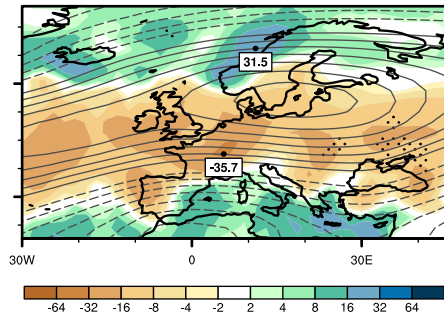
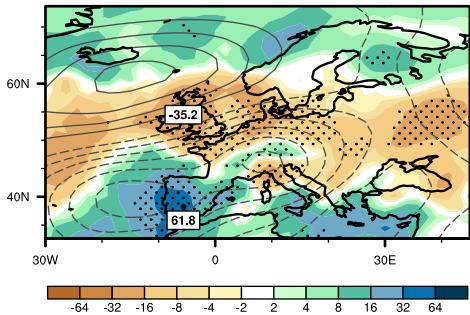
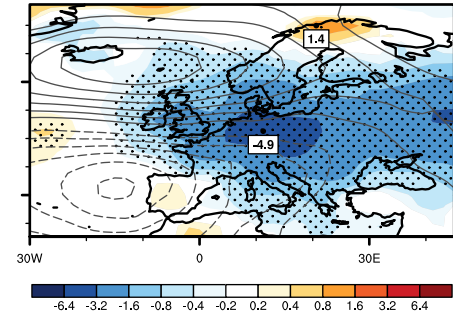
ModE-RA



ModE-Sim

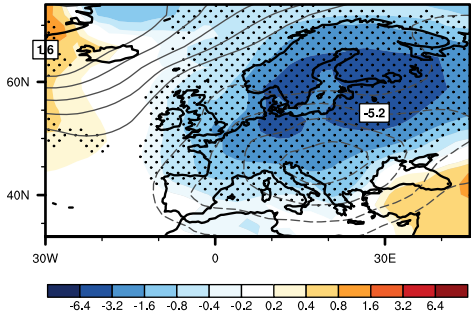


ModE-RAClim

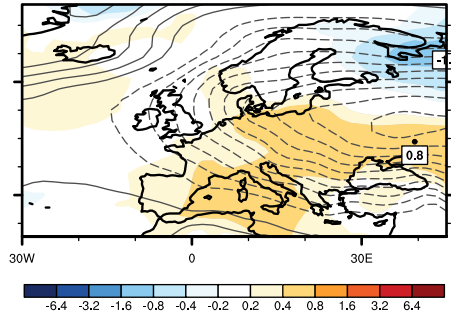


Winter (DJF) 1789

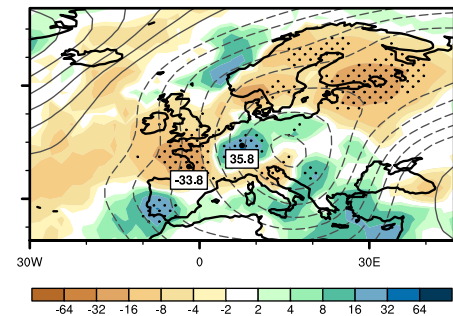
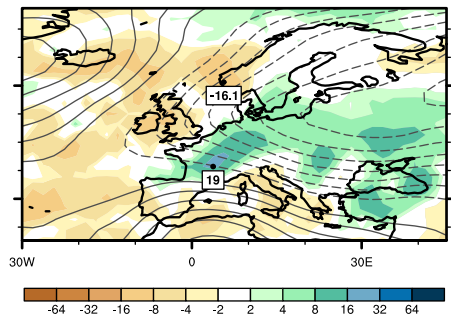
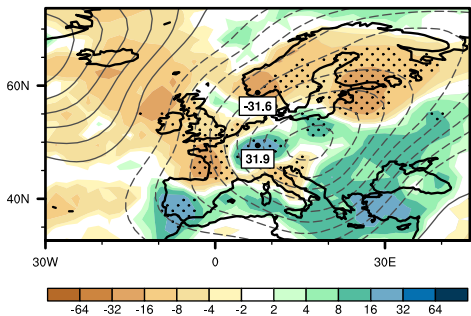
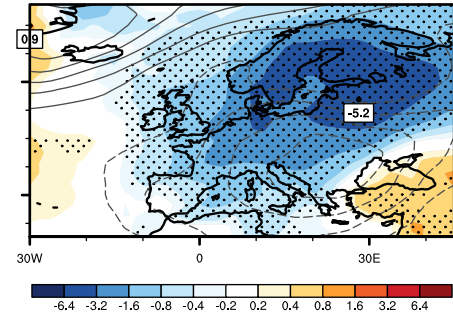
ModE-RA



ModE-Sim

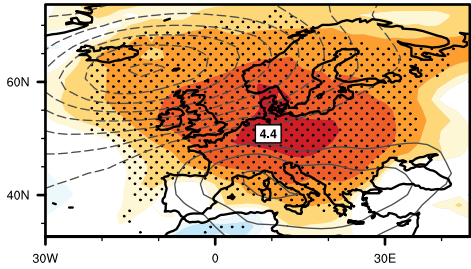


ModE-RAClim

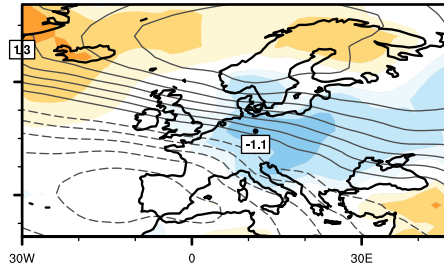


Winter (DJF) 1796

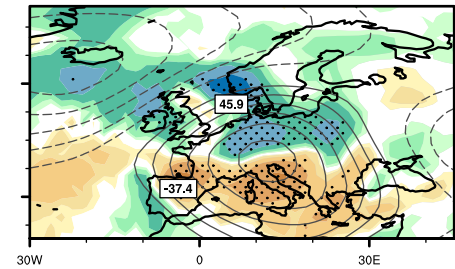
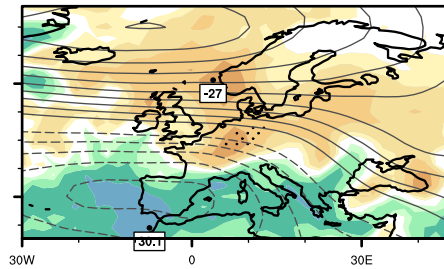
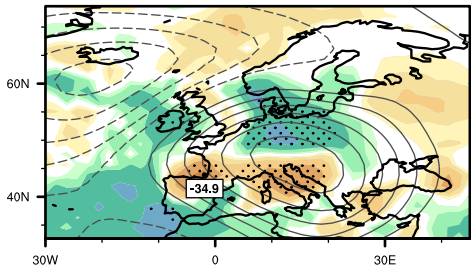
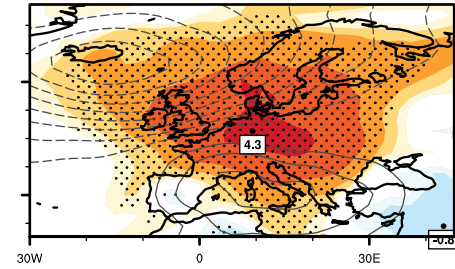
ModE-RA



ModE-Sim

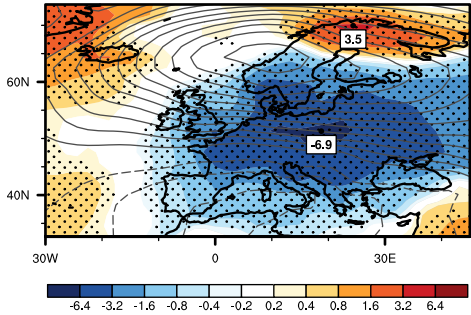


ModE-RAClim

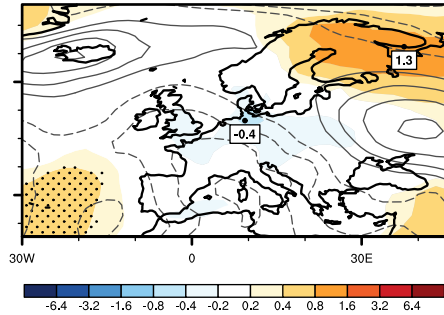


Winter (DJF) 1830

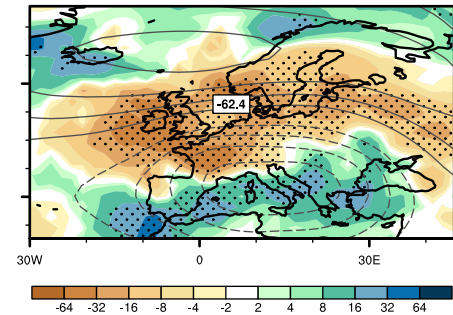
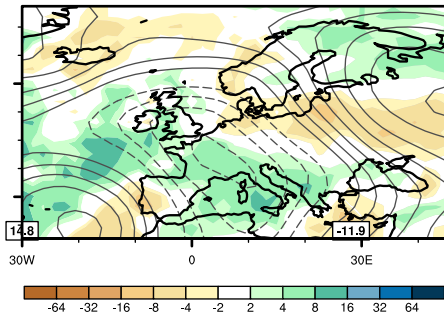
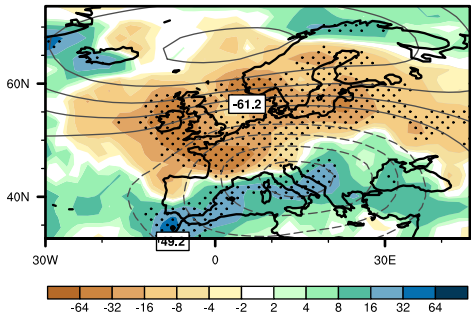
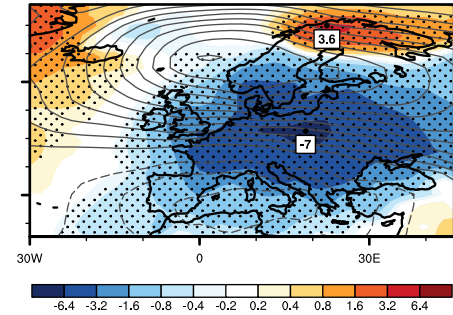
ModE-RA



ModE-Sim

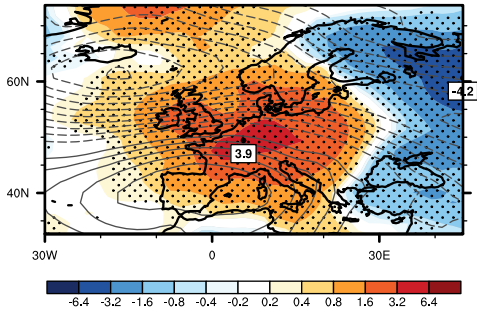


ModE-RAClim

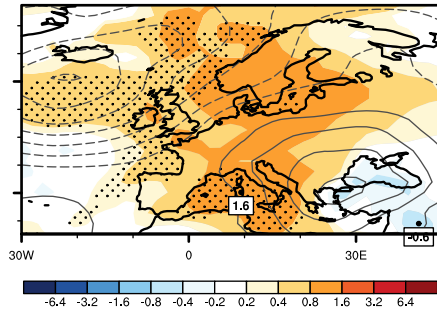


Winter (DJF) 1834

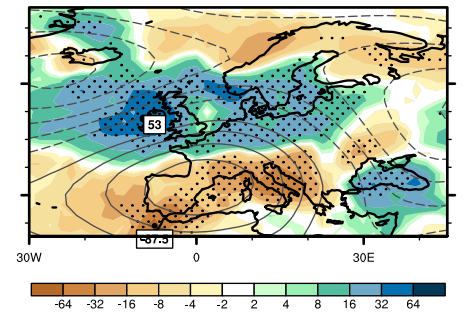
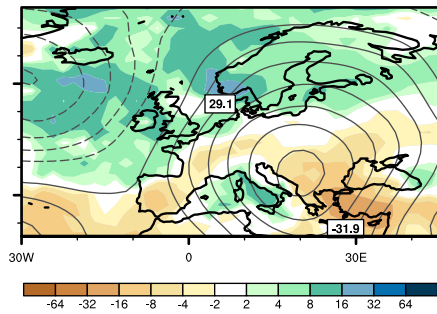
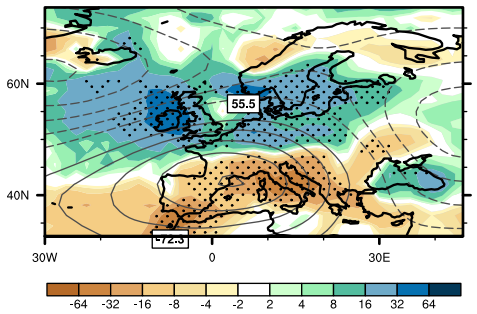
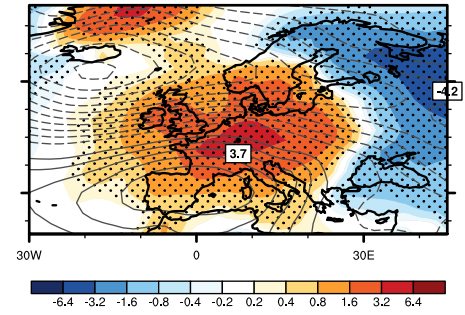
ModE-RA



ModE-Sim

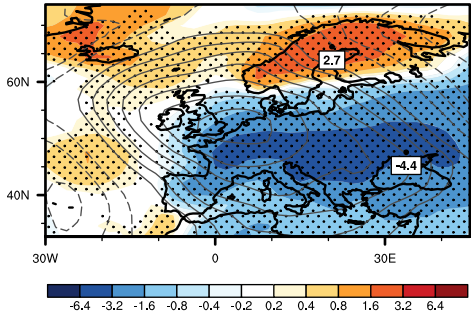


ModE-RAclim

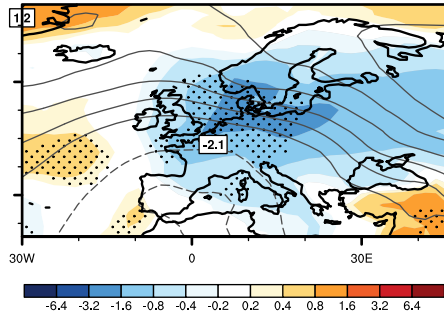


Winter (DJF) 1880

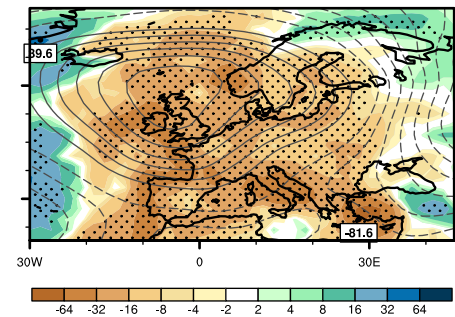
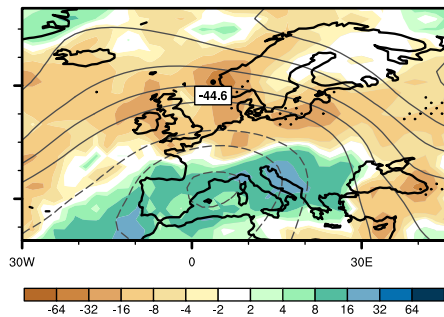
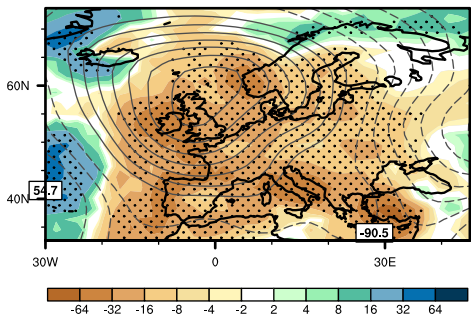
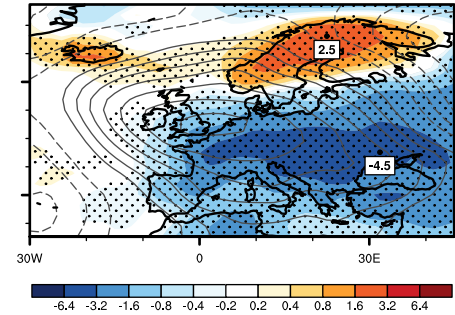
ModE-RA



ModE-Sim

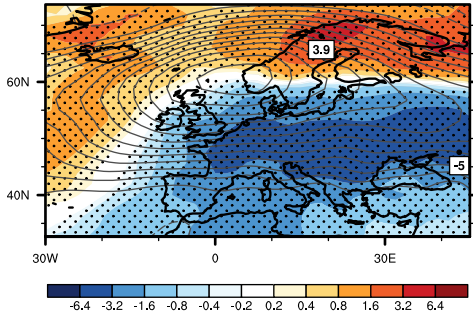


ModE-RAClim

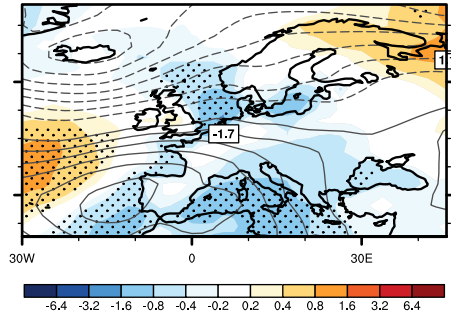


Winter (DJF) 1891

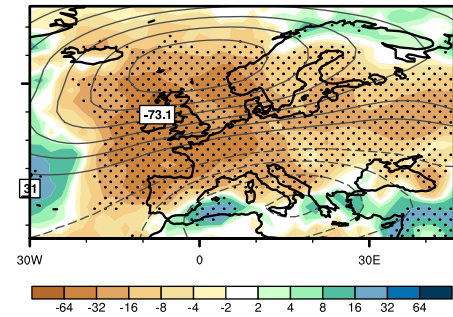
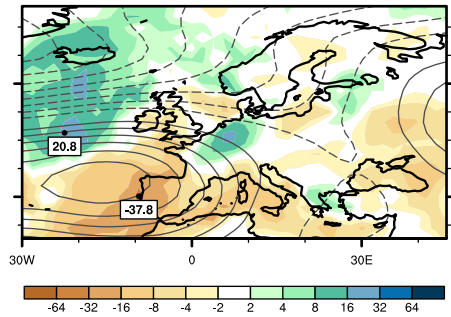
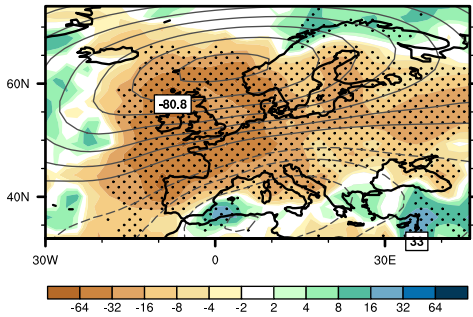
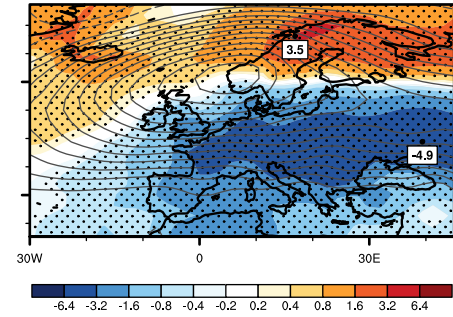
ModE-RA



ModE-Sim

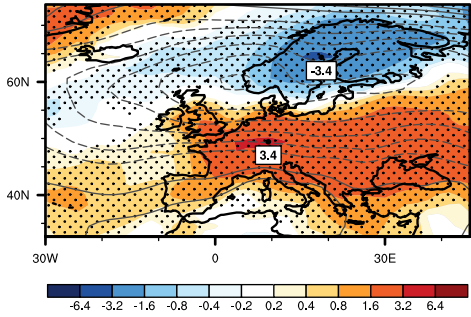


ModE-RAClim

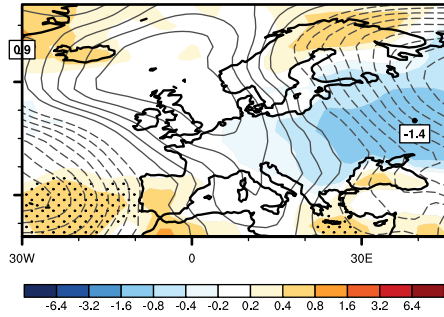


Winter (DJF) 1916

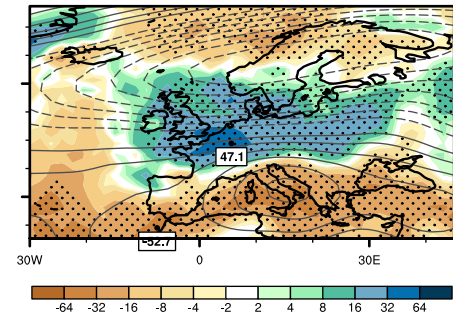
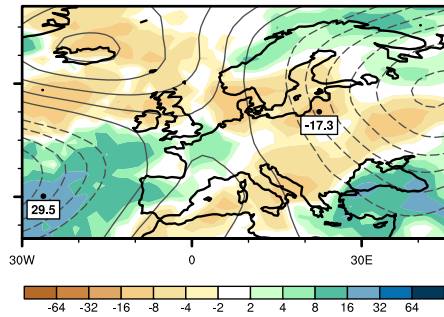
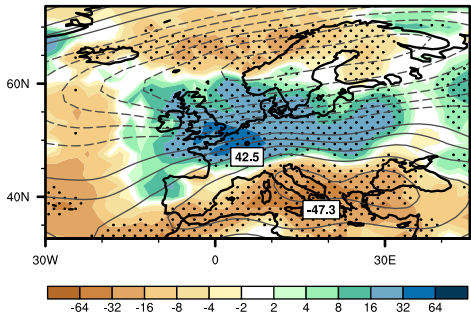
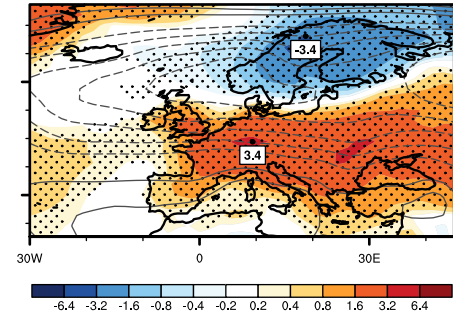
ModE-RA



ModE-Sim

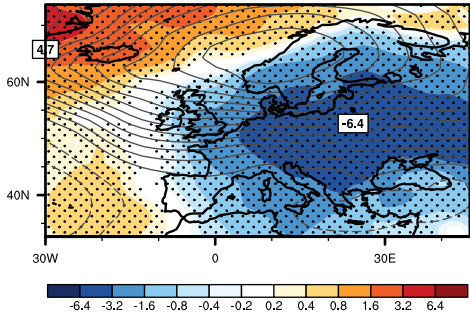


ModE-RAClim

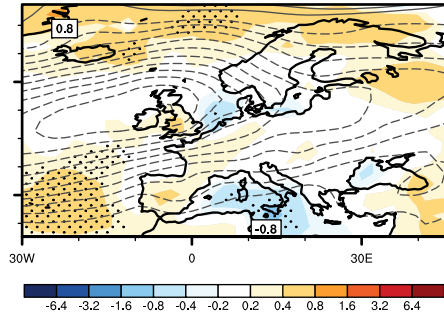


Winter (DJF) 1929

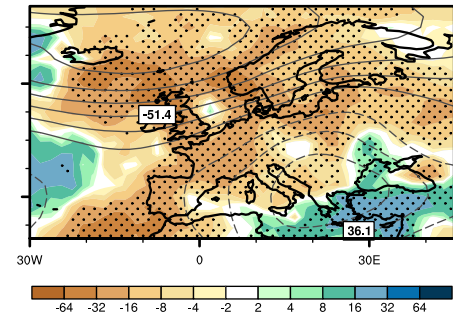
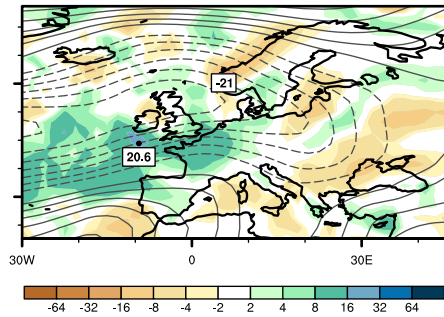
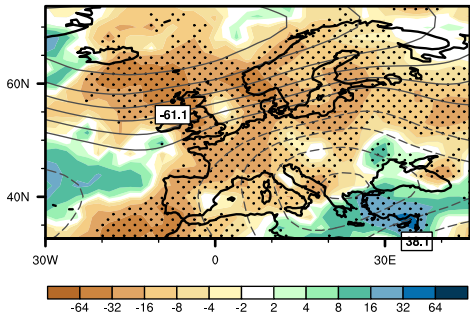
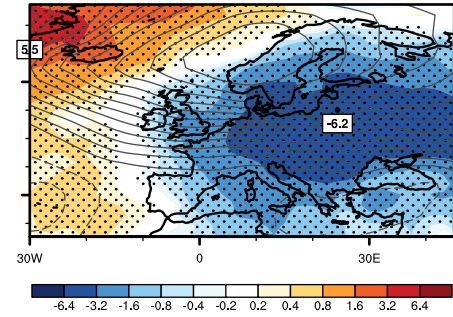
ModE-RA



ModE-Sim

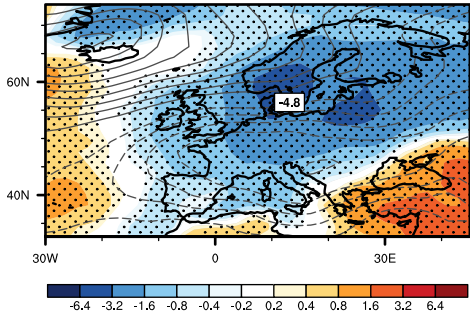


ModE-RAClim

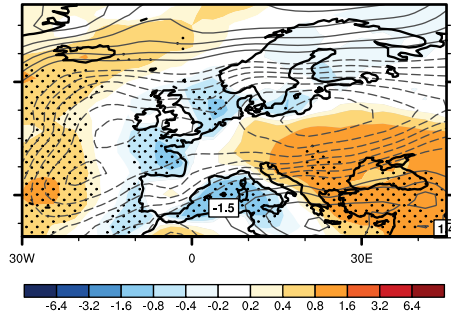


Winter (DJF) 1941

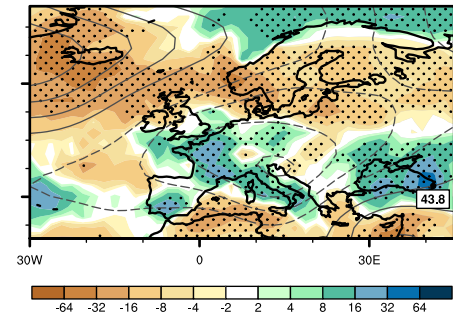
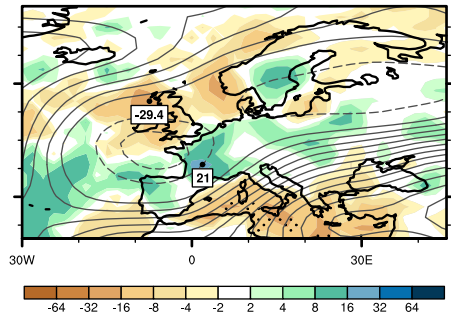
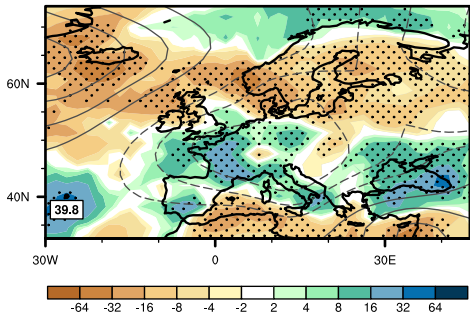
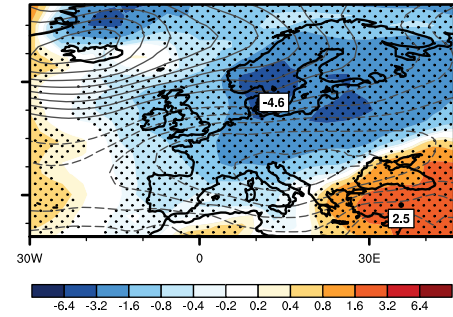
ModE-RA



ModE-Sim

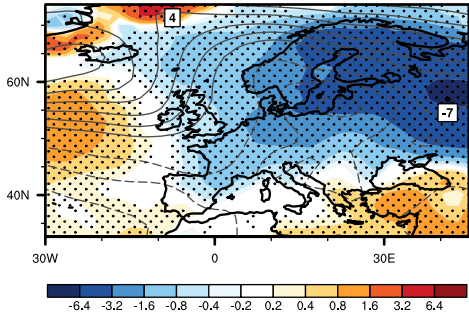


ModE-RAClim

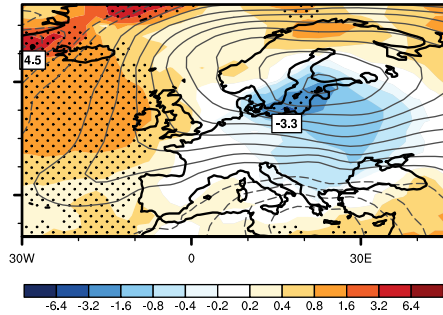


Winter (DJF) 1956

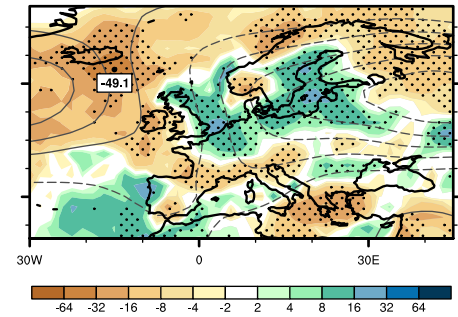
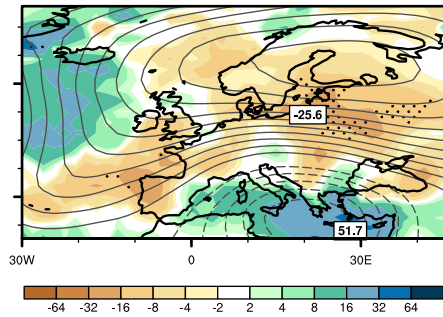
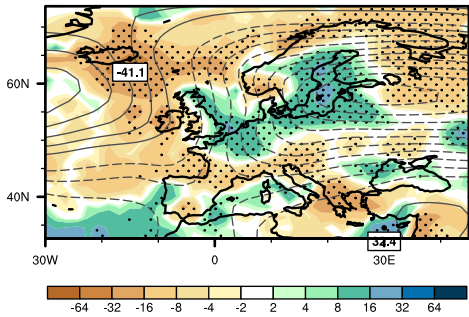
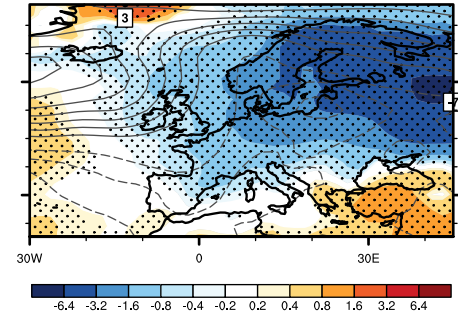
ModE-RA



ModE-Sim

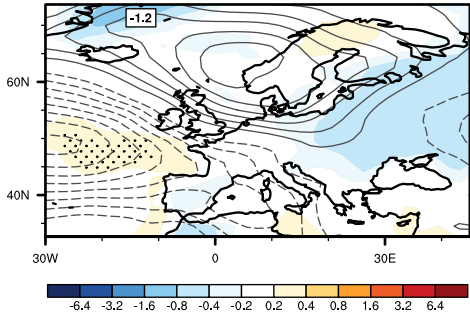


ModE-RAClim

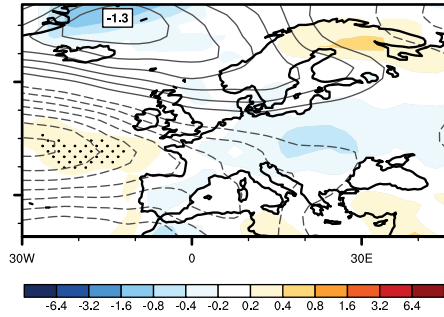


Spring (MAM) 1435

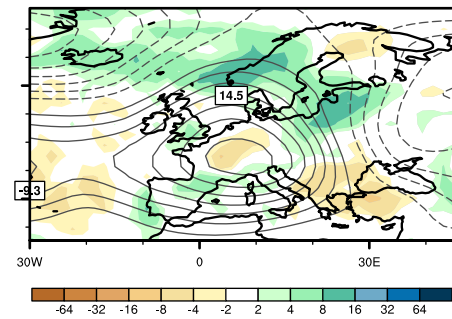
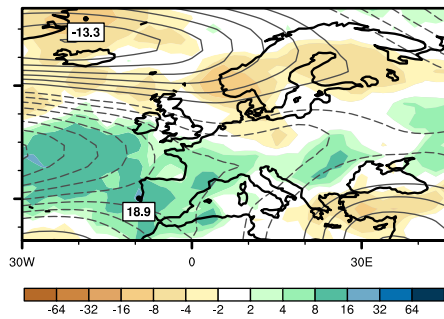
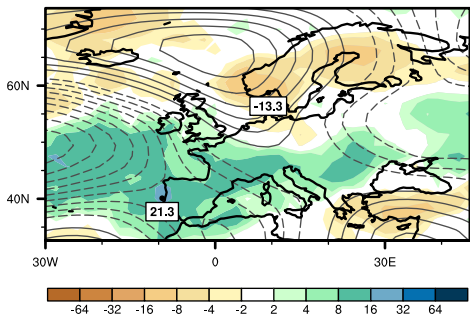
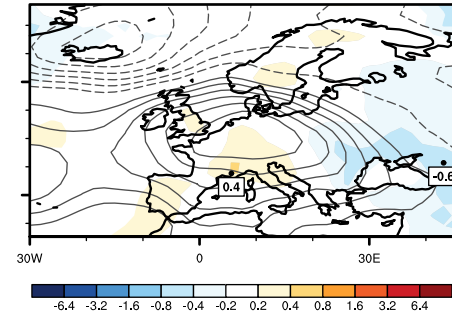
ModE-RA



ModE-Sim

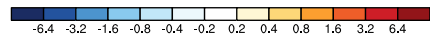
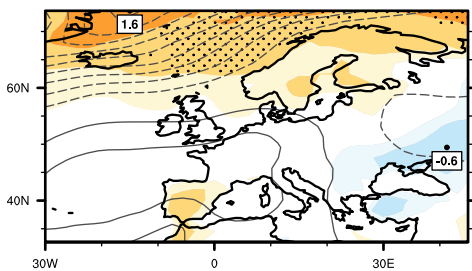


ModE-RAClim

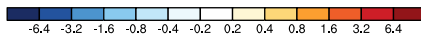
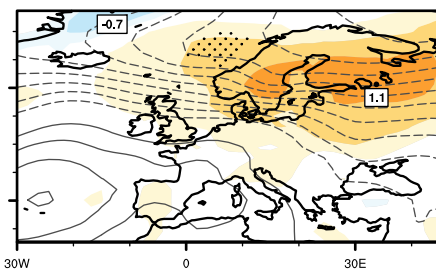


Spring (MAM) 1443

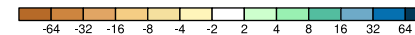
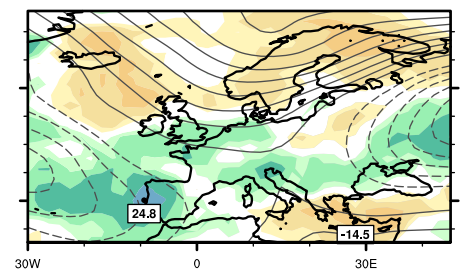
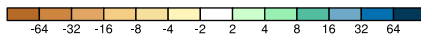
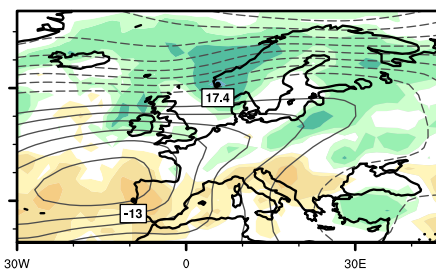
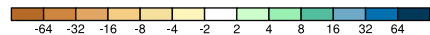
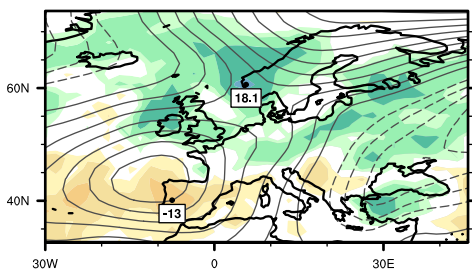
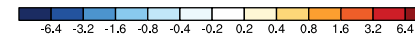
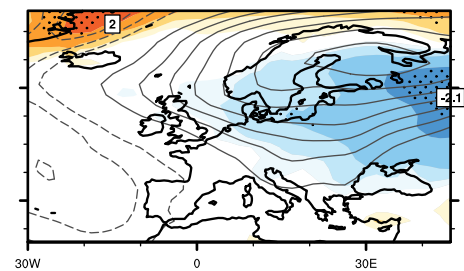
ModE-RA



ModE-Sim

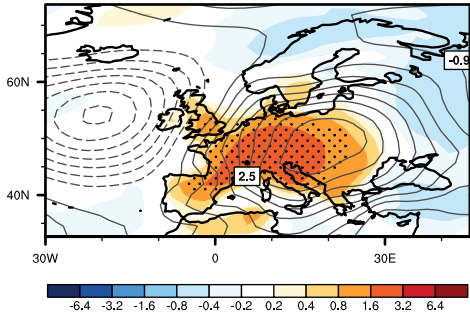


ModE-RAClim

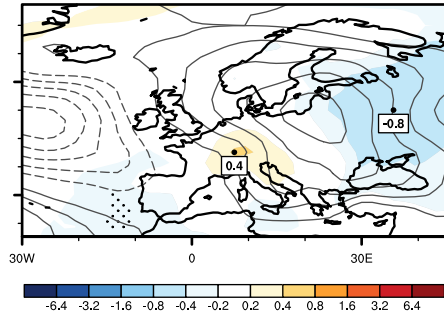


Spring (MAM) 1473

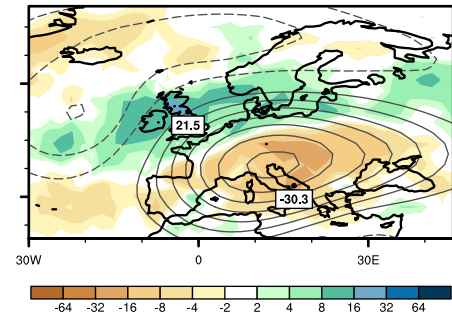
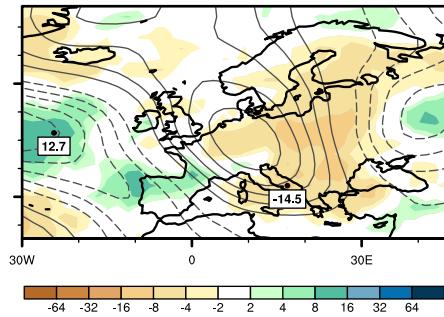
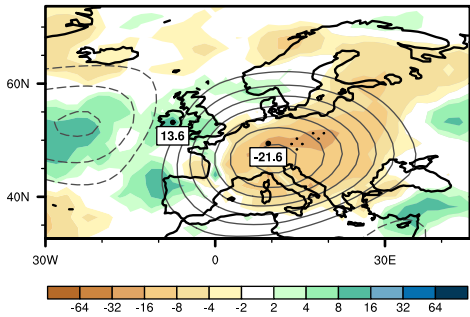
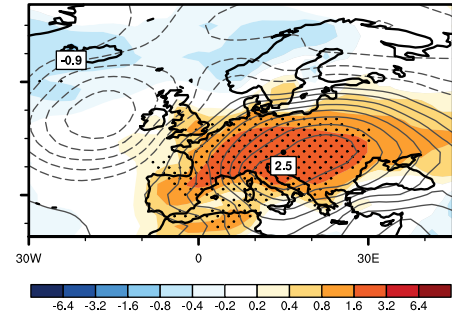
ModE-RA



ModE-Sim

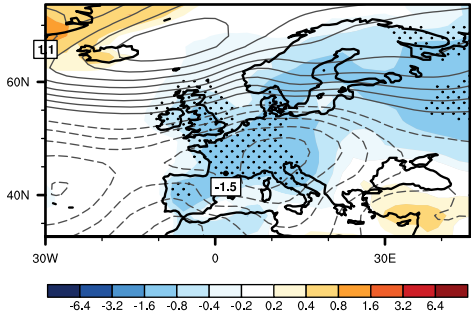


ModE-RAClim

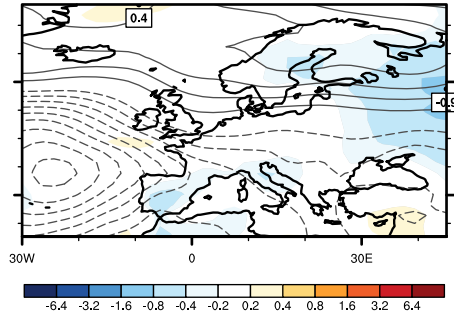


Spring (MAM) 1491

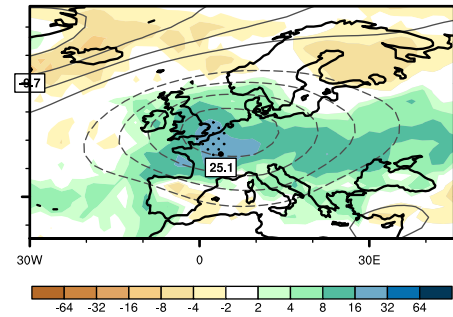
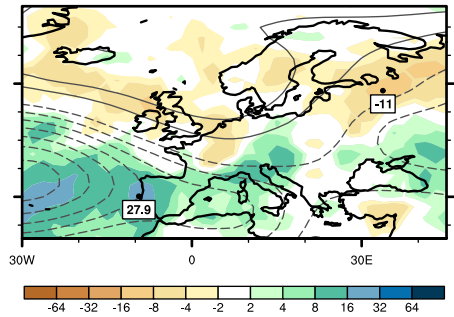
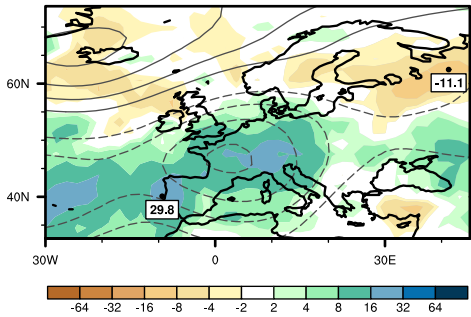
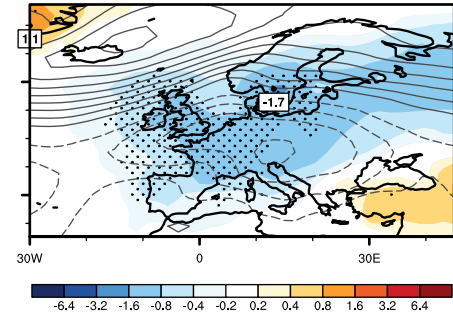
ModE-RA



ModE-Sim

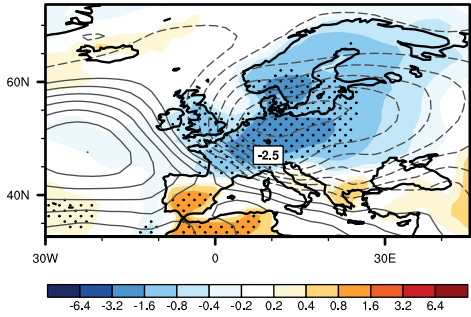


ModE-RAClim

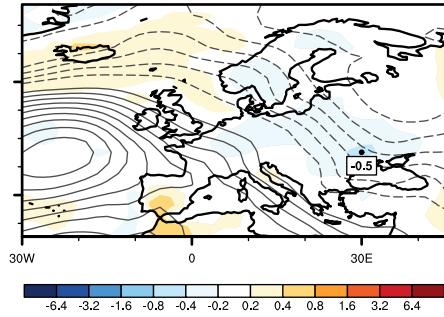


Spring (MAM) 1542

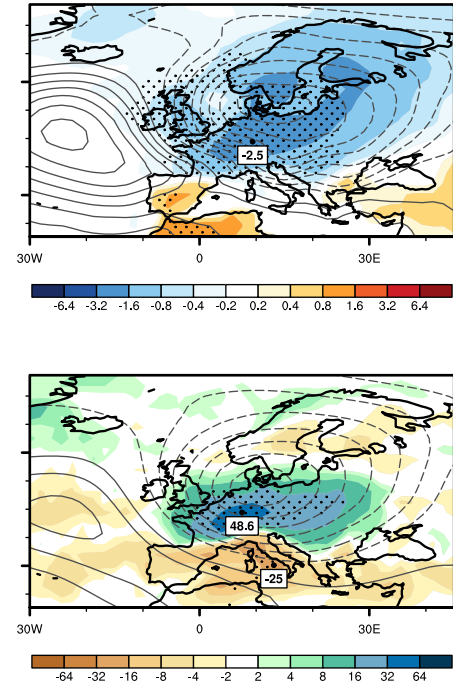
ModE-RA



ModE-Sim

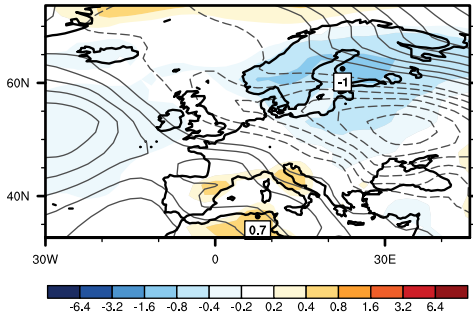


ModE-RAClim

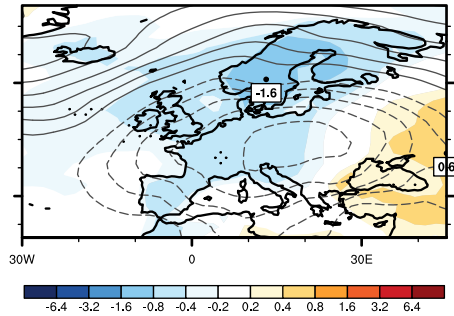


Spring (MAM) 1556

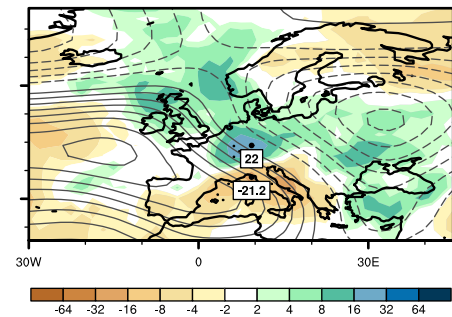
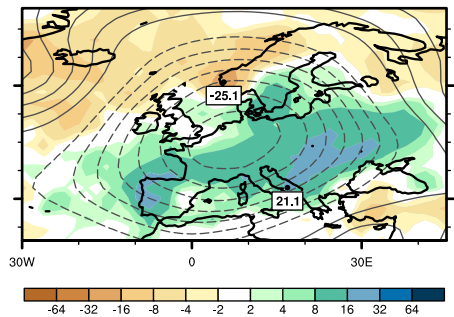
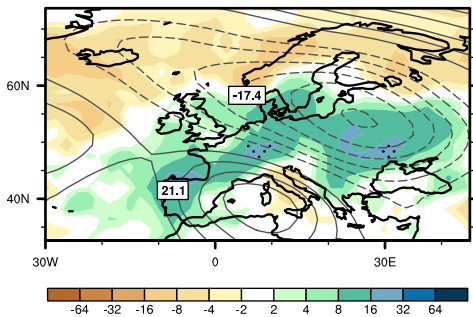
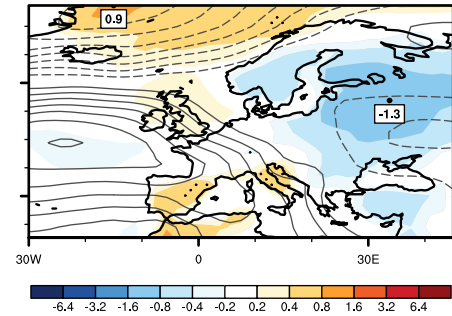
ModE-RA



ModE-Sim

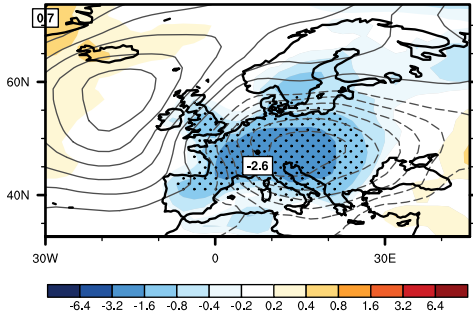


ModE-RAClim

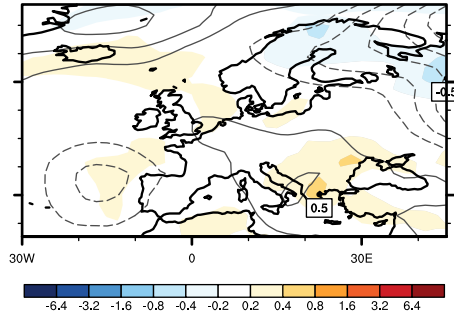


Spring (MAM) 1573

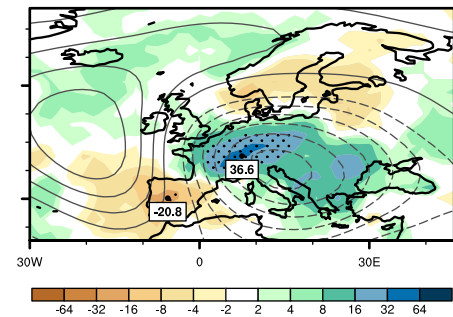
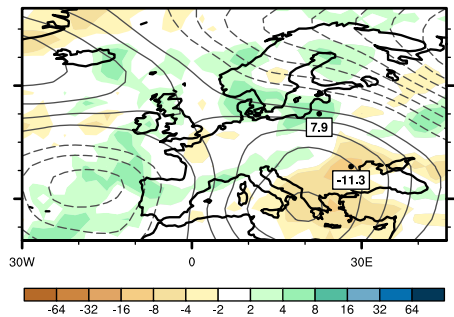
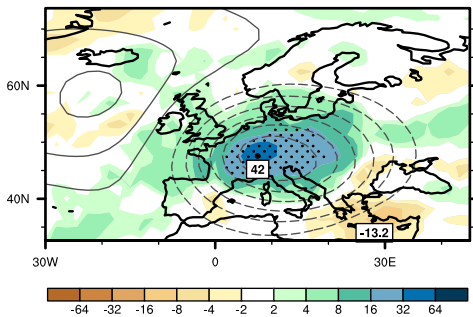
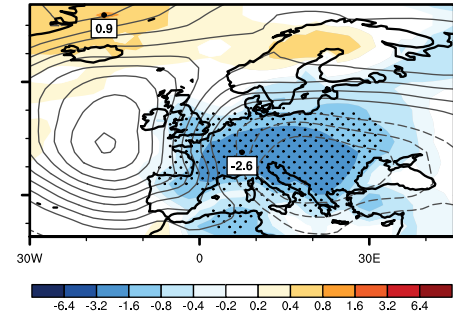
ModE-RA



ModE-Sim

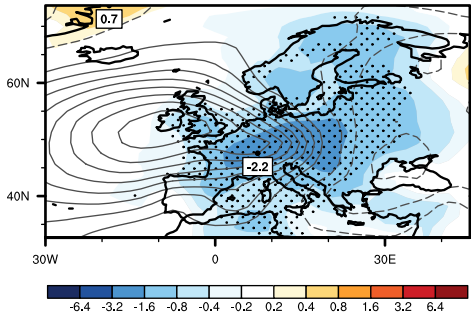


ModE-RAClim

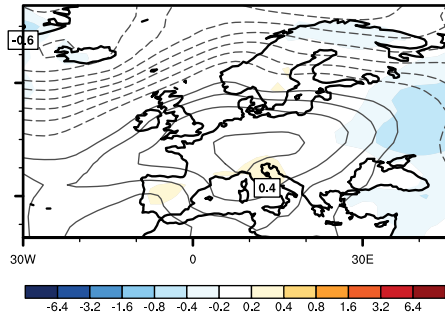


Spring (MAM) 1587

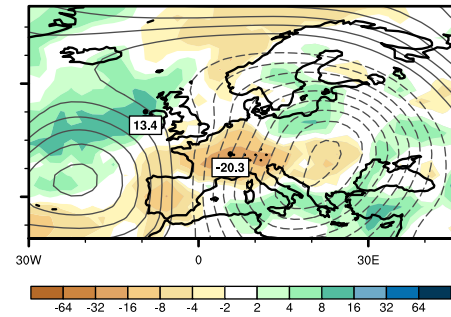
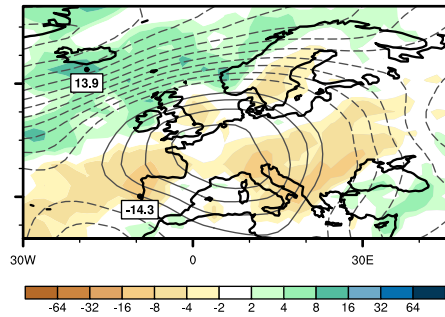
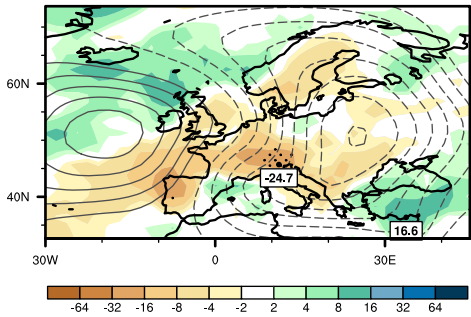
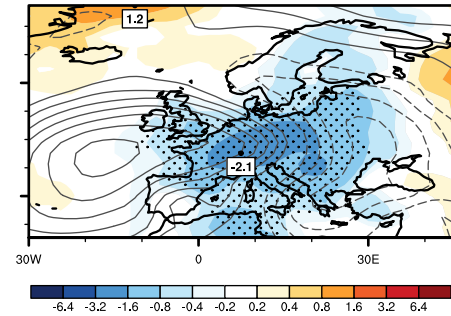
ModE-RA



ModE-Sim

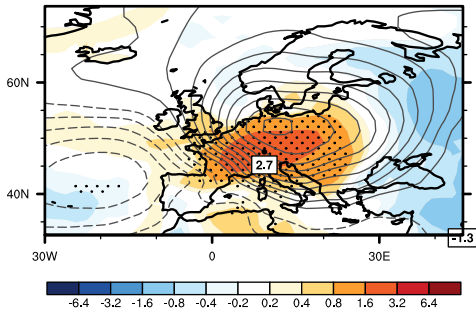


ModE-RAClim

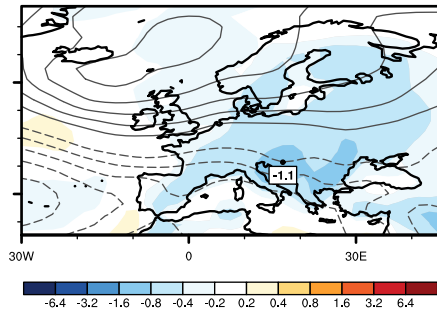


Spring (MAM) 1611

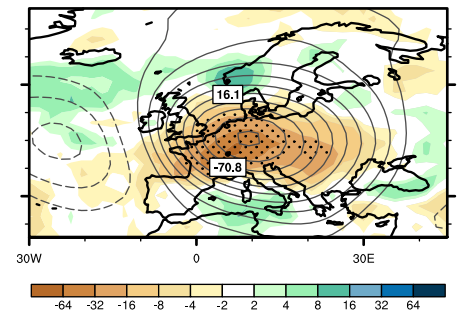
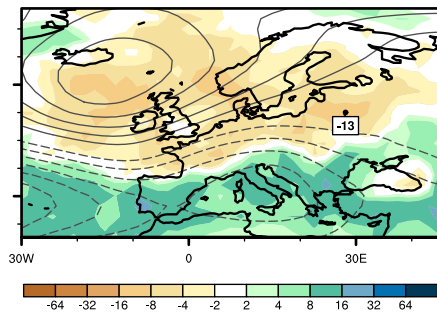
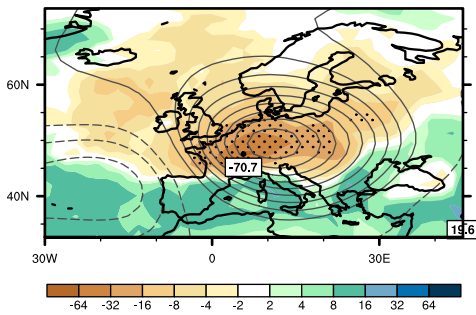
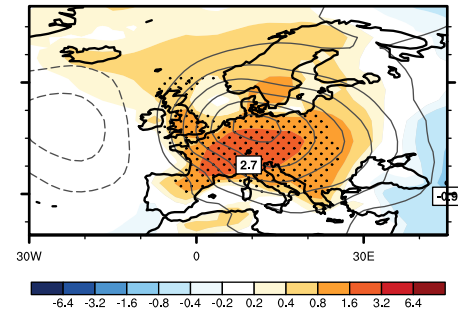
ModE-RA



ModE-Sim

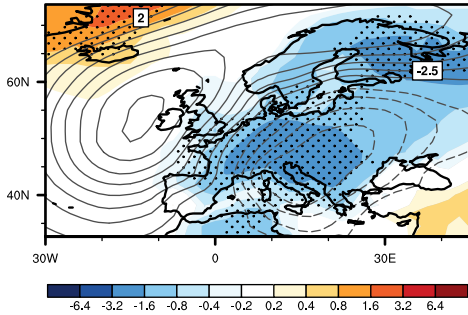


ModE-RAClim

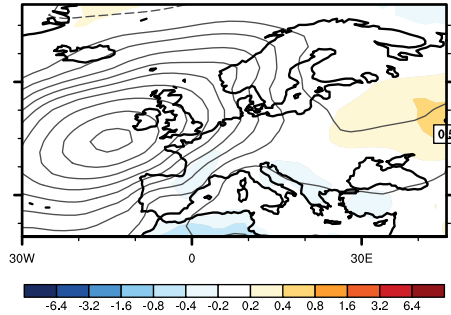


Spring (MAM) 1614

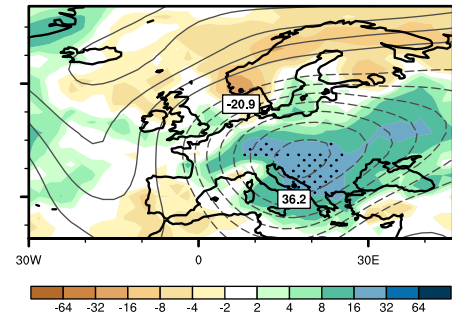
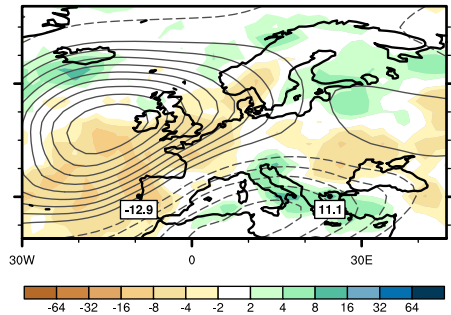
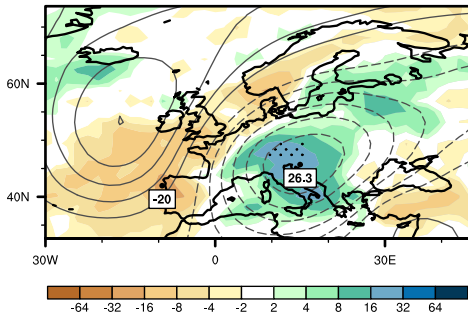
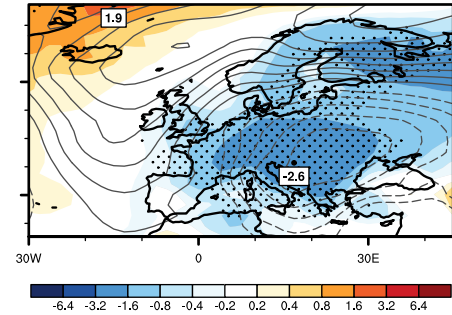
ModE-RA



ModE-Sim

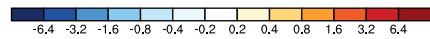
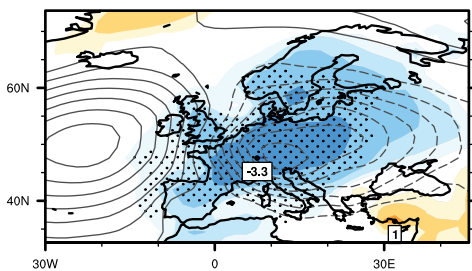


ModE-RAClim

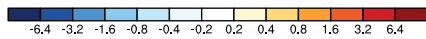
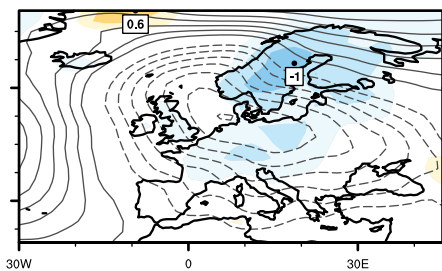


Spring (MAM) 1627

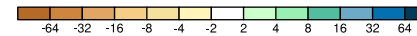
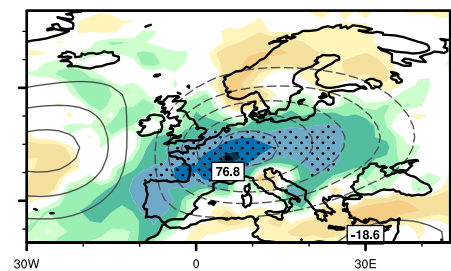
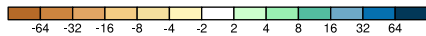
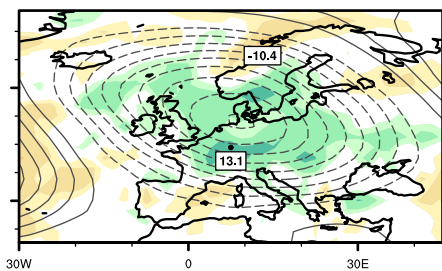
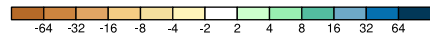
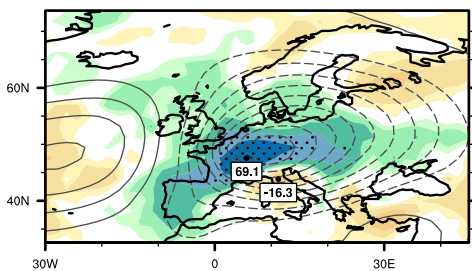
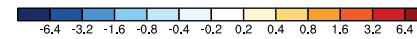
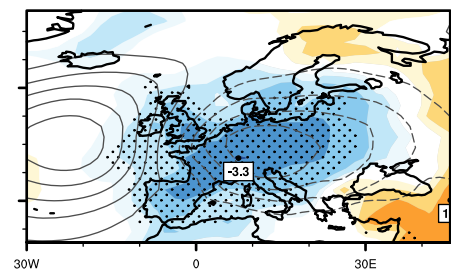
ModE-RA



ModE-Sim

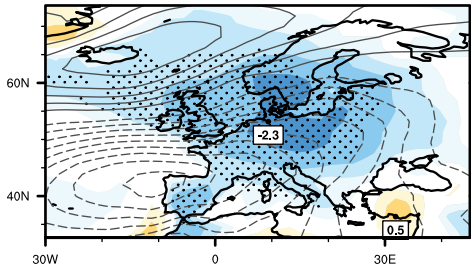


ModE-RAClim

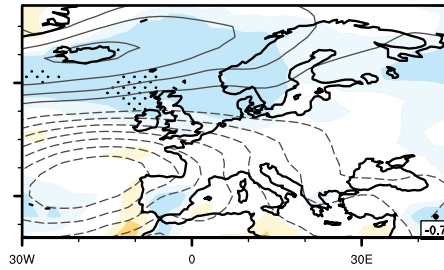


Spring (MAM) 1658

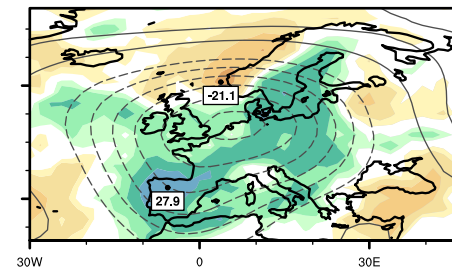
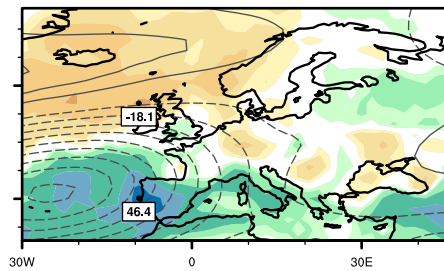
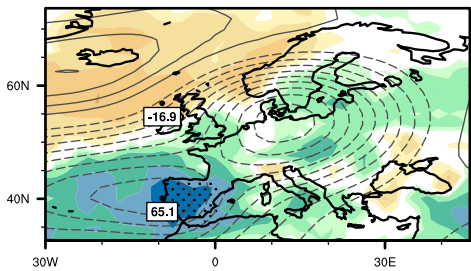
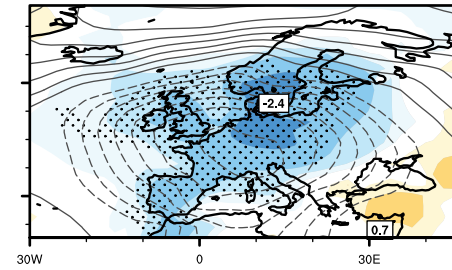
ModE-RA



ModE-Sim

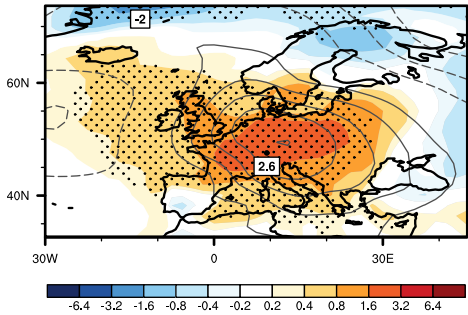


ModE-RAClim

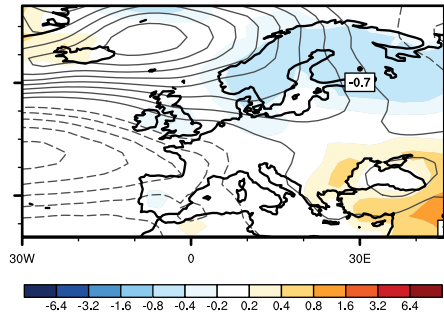


Spring (MAM) 1686

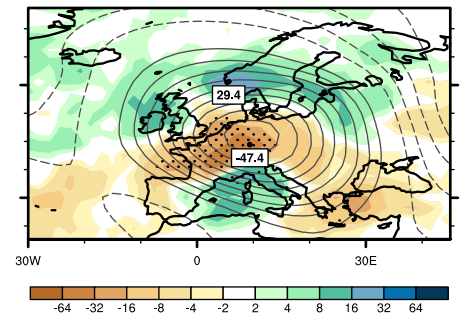
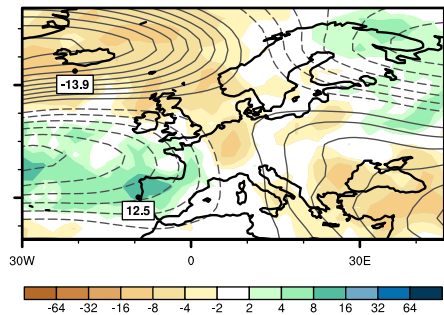
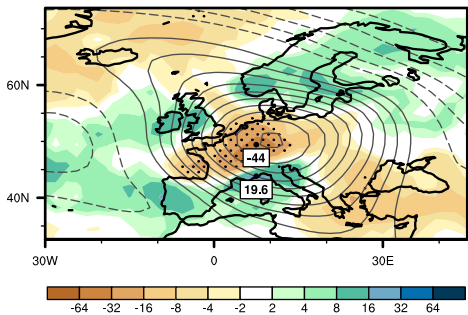
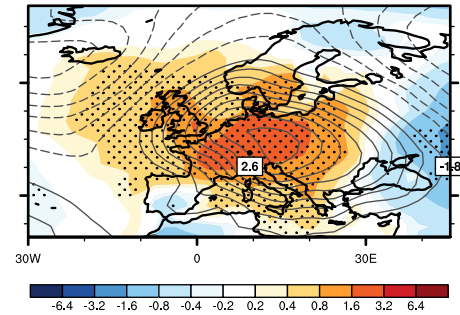
ModE-RA



ModE-Sim

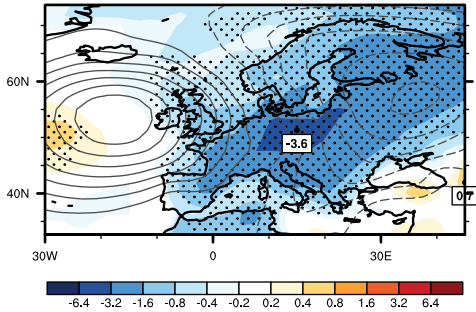


ModE-RAClim

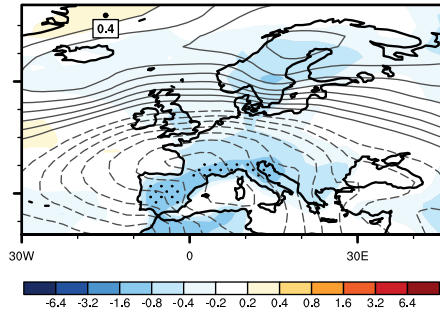


Spring (MAM) 1740

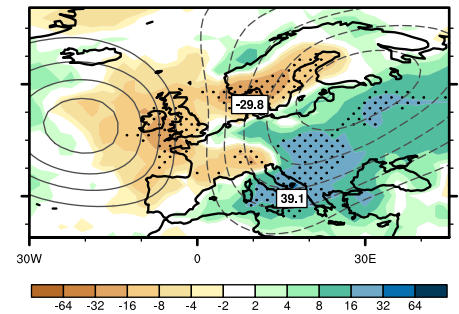
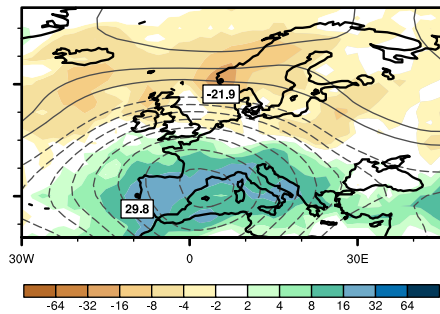
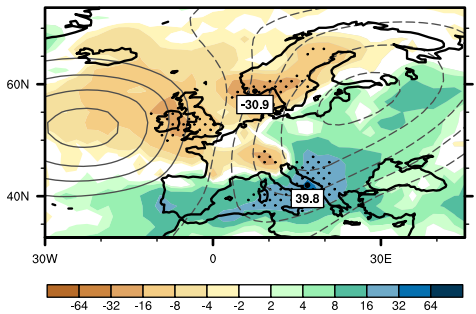
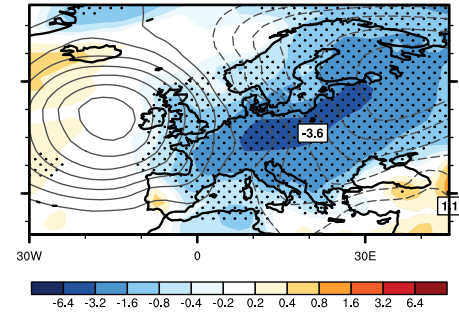
ModE-RA



ModE-Sim

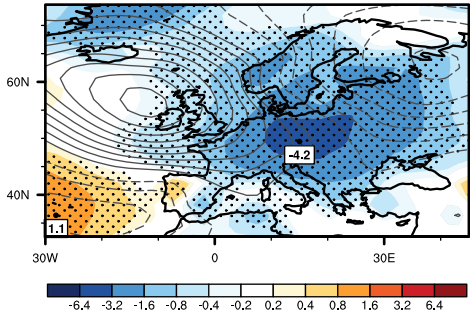


ModE-RAClim

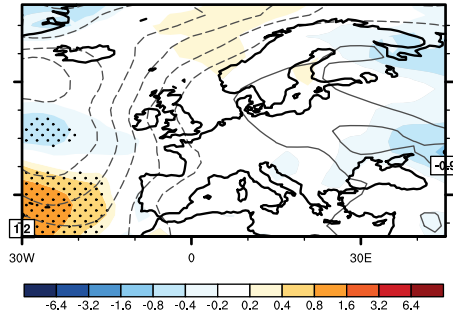


Spring (MAM) 1785

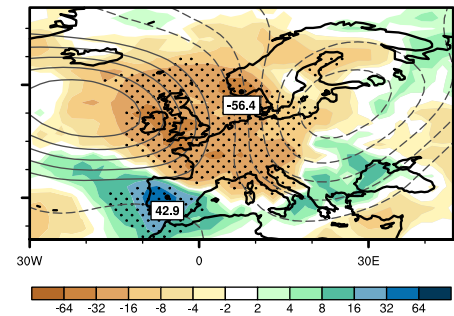
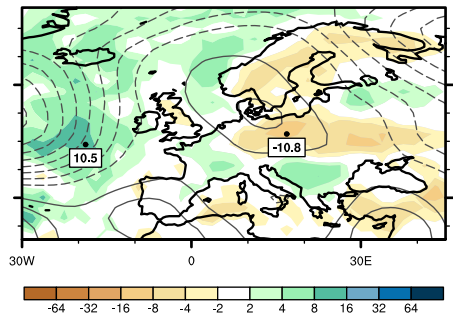
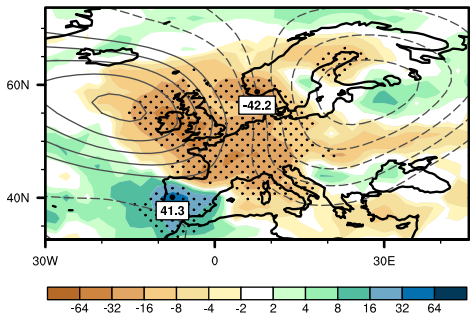
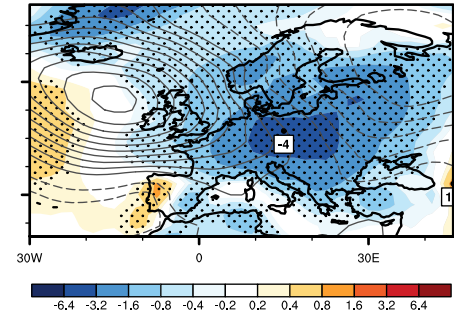
ModE-RA



ModE-Sim

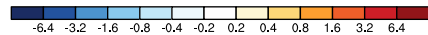
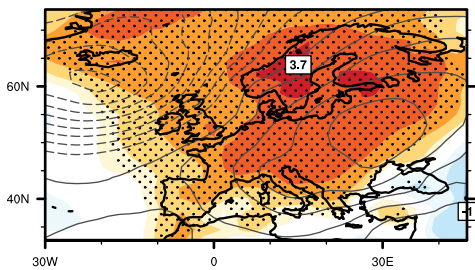


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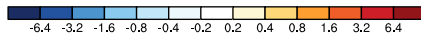
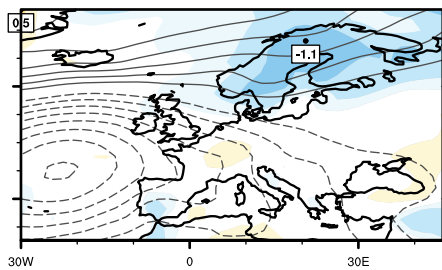


Spring (MAM) 1794

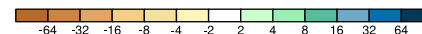
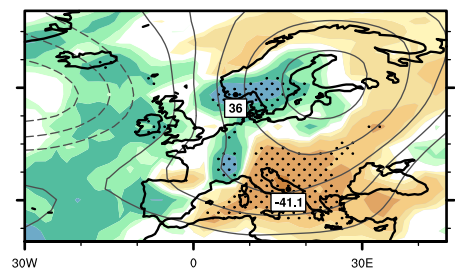
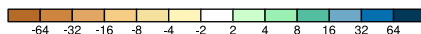
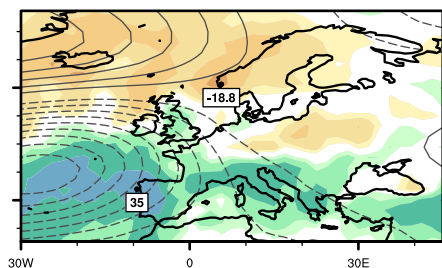
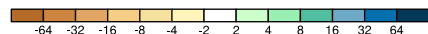
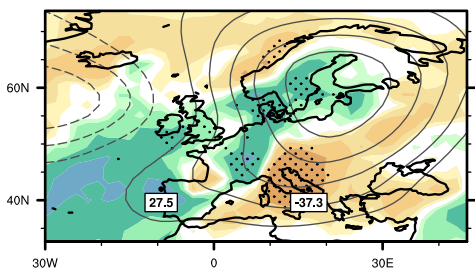
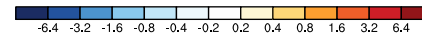
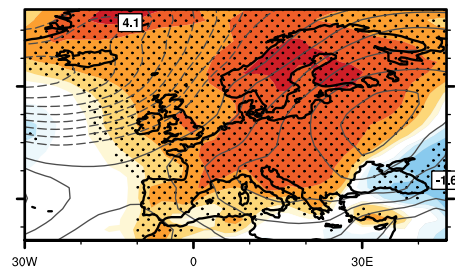
ModE-RA



ModE-Sim

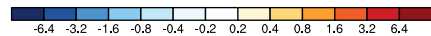
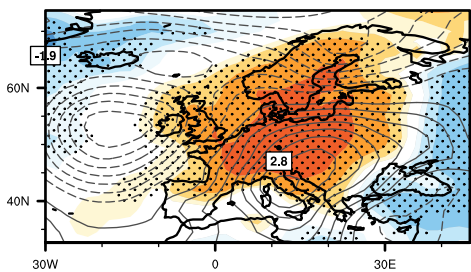


ModE-RAClim

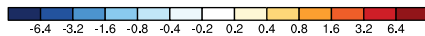
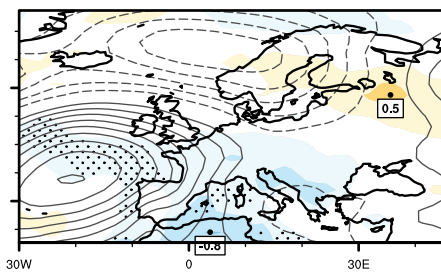


Spring (MAM) 1811

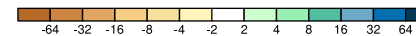
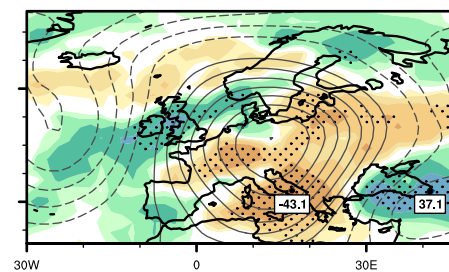
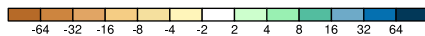
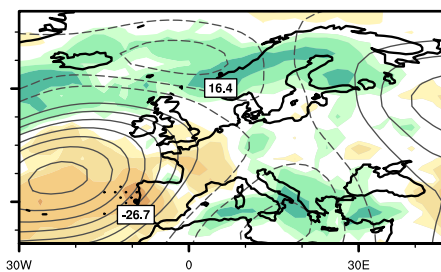
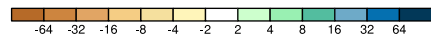
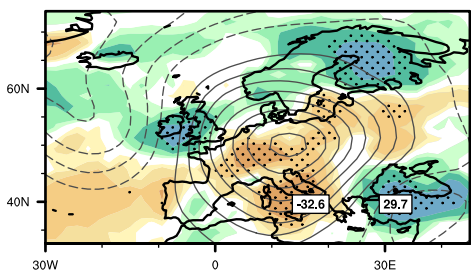
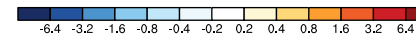
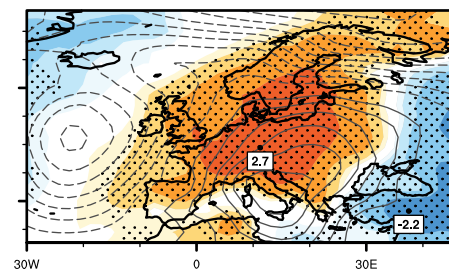
ModE-RA



ModE-Sim

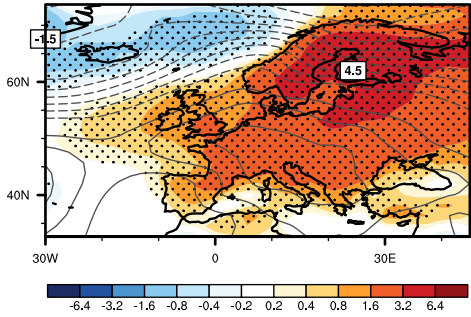


ModE-RAClim

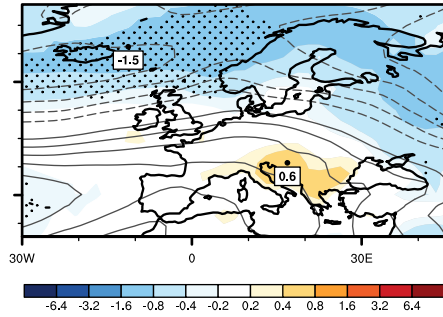


Spring (MAM) 1822

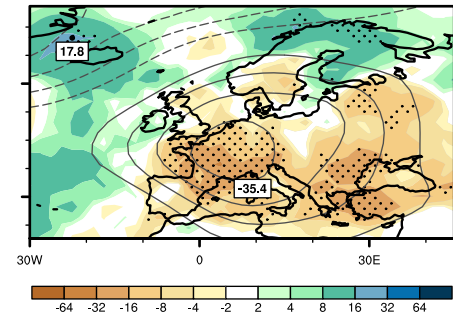
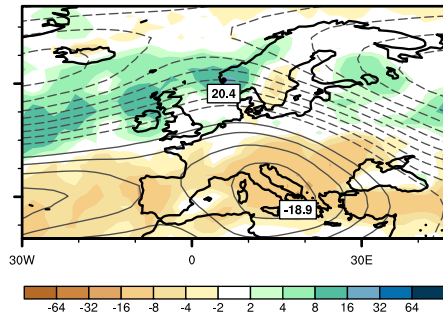
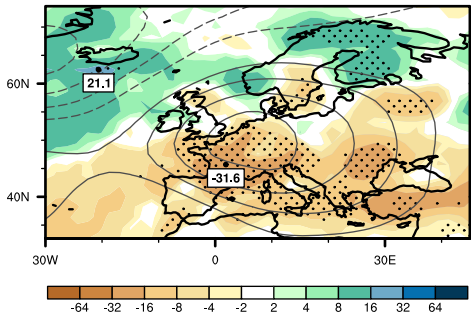
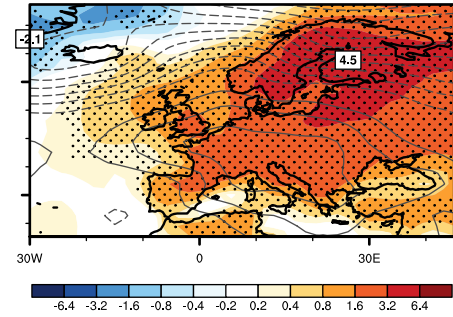
ModE-RA



ModE-Sim

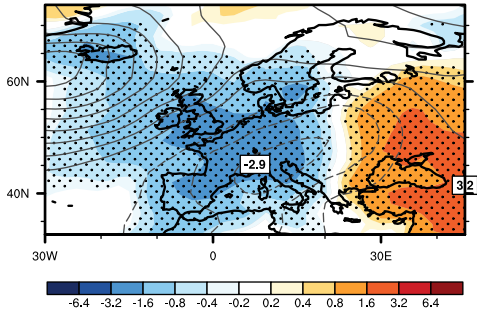


ModE-RAClim

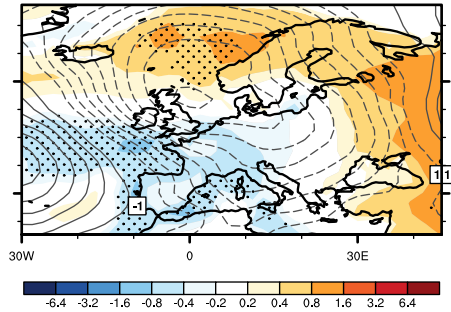


Spring (MAM) 1837

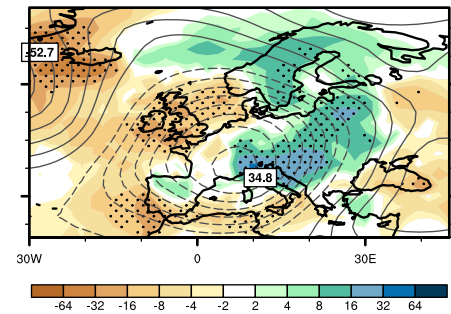
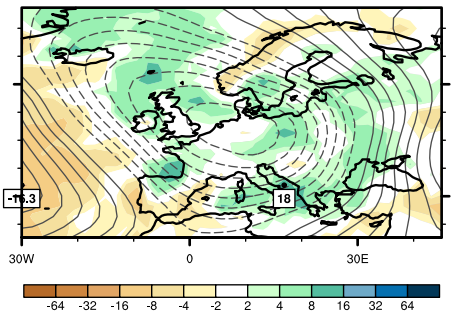
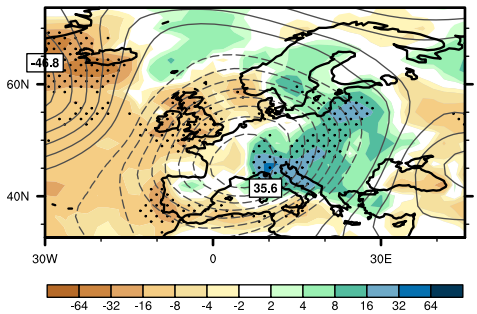
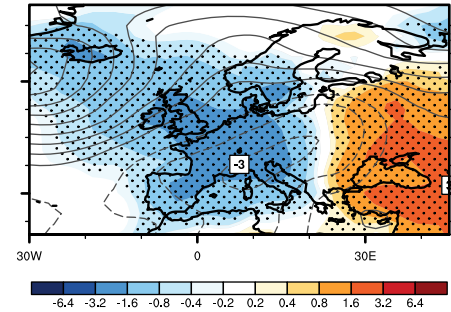
ModE-RA



ModE-Sim

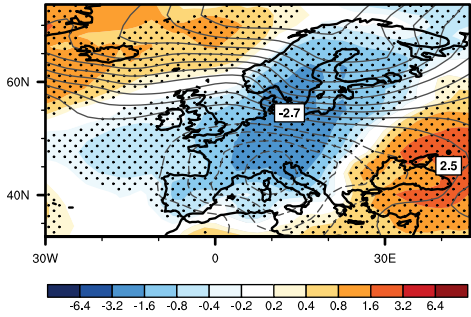


ModE-RAClim

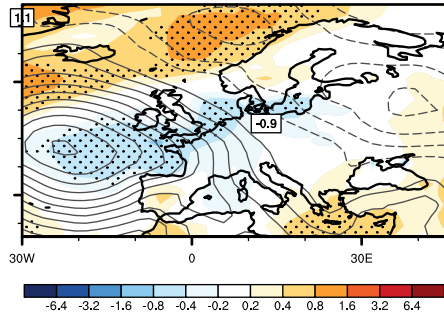


Spring (MAM) 1853

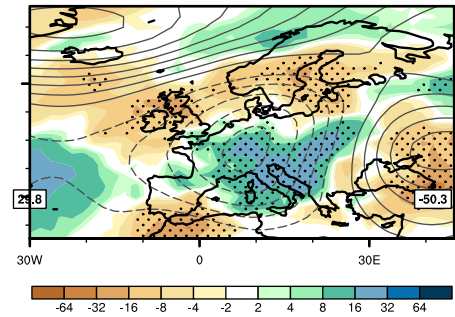
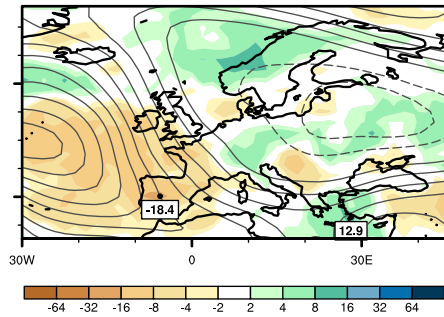
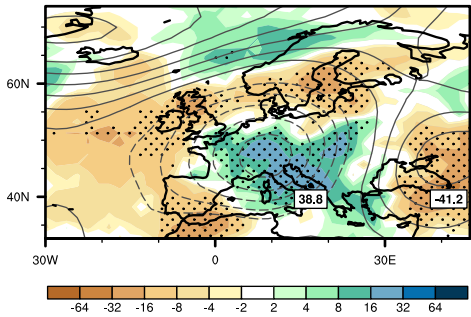
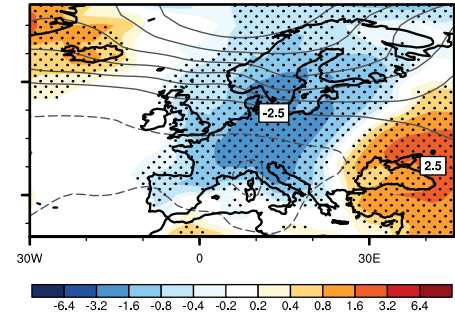
ModE-RA



ModE-Sim

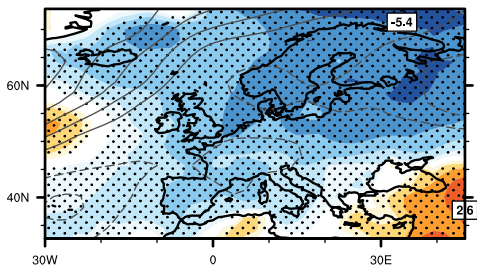


ModE-RAClim

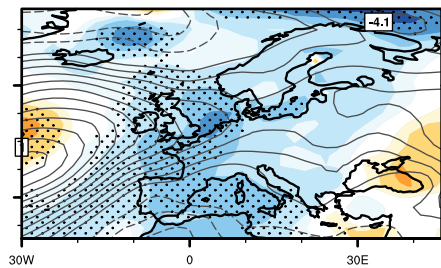


Spring (MAM) 1917

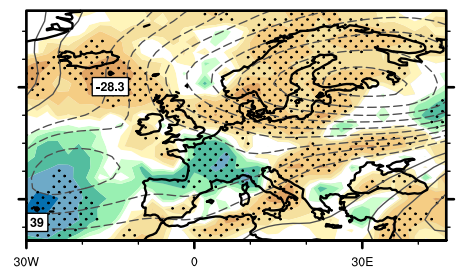
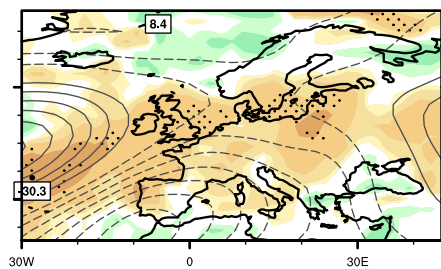
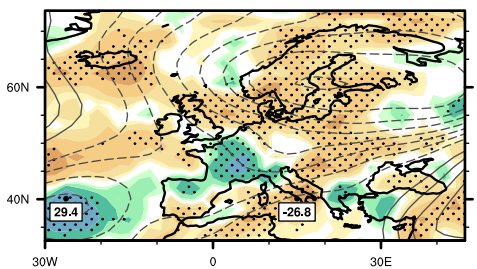
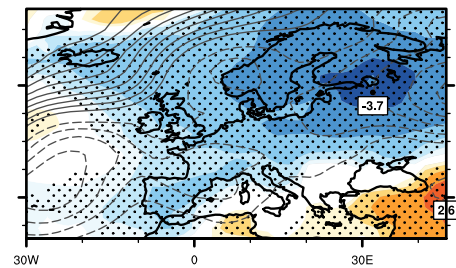
ModE-RA



ModE-Sim

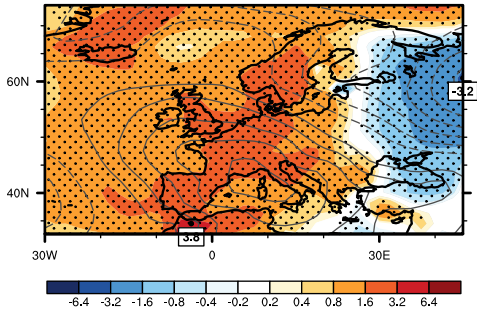


ModE-RAClim

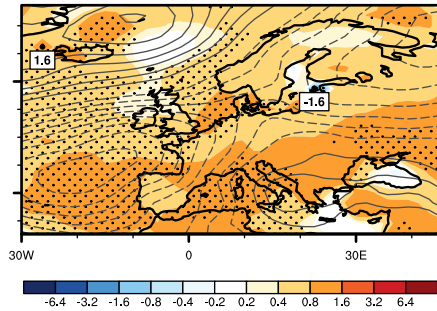


Spring (MAM) 1945

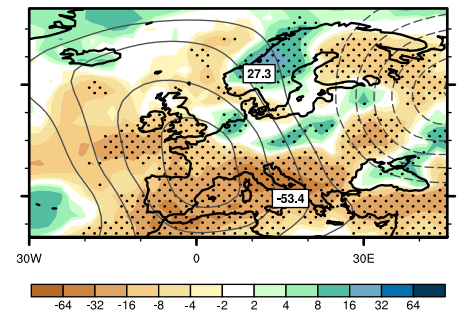
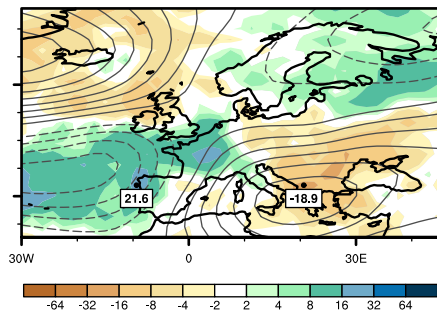
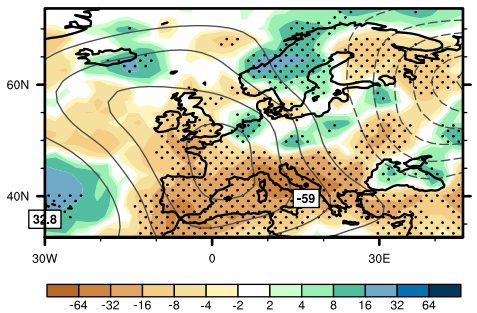
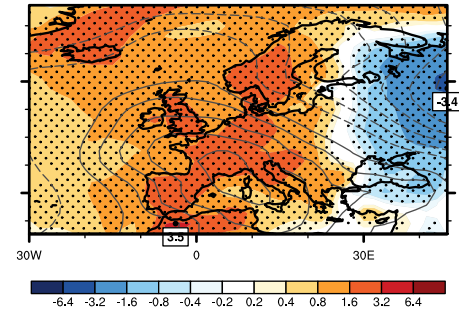
ModE-RA



ModE-Sim

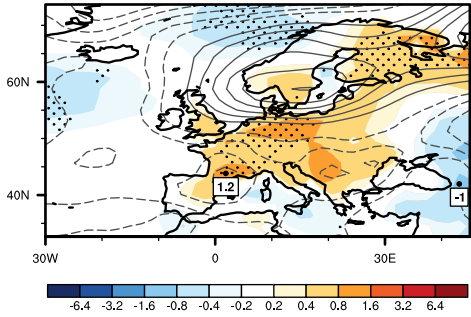


ModE-RAclim

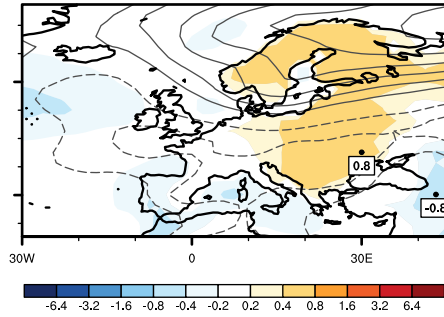


Summer (JJA) 1471

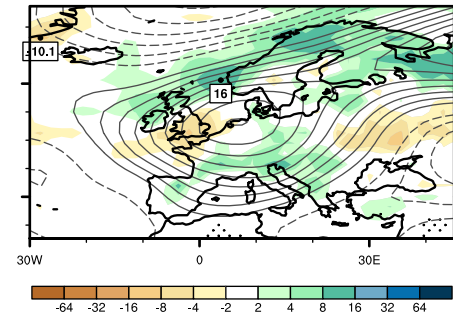
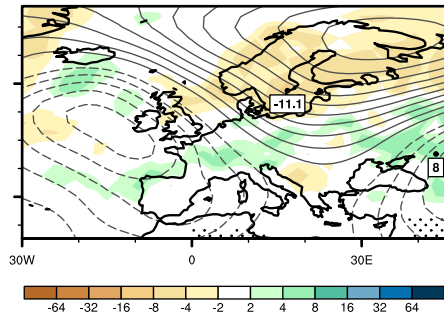
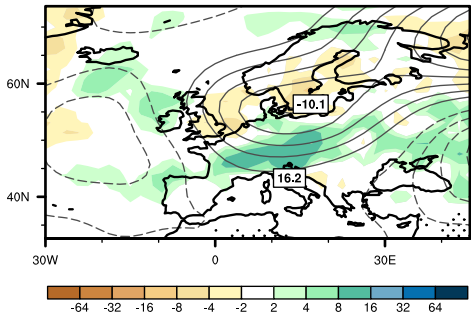
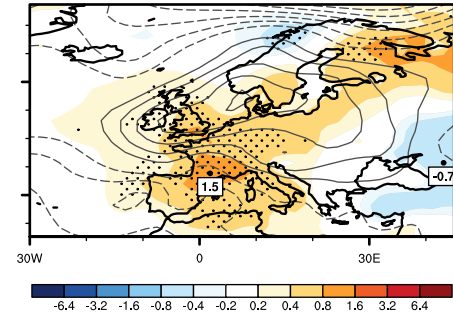
ModE-RA



ModE-Sim

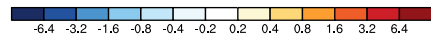
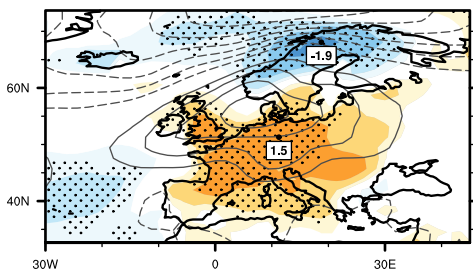


ModE-RAClim

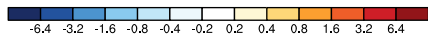
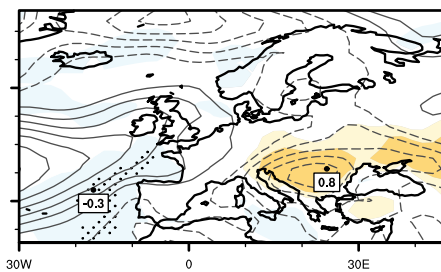


Summer (JJA) 1473

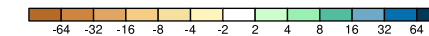
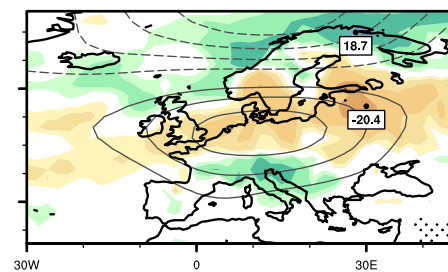
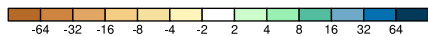
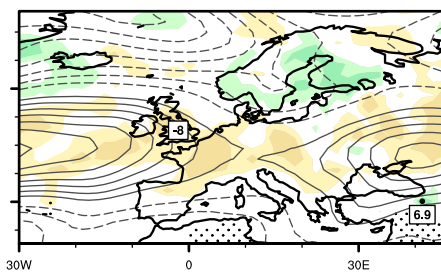
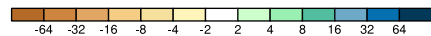
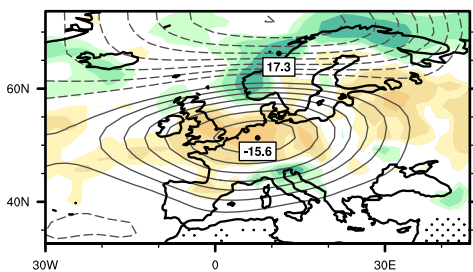
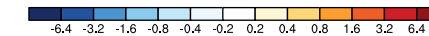
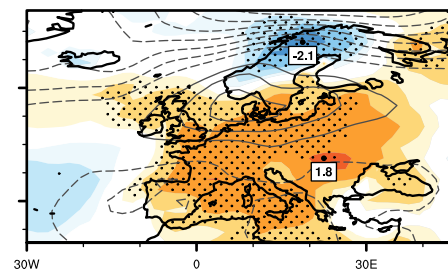
ModE-RA



ModE-Sim

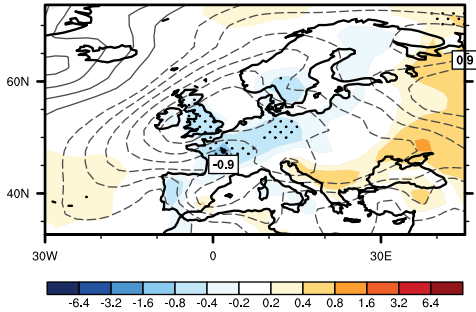


ModE-RAClim

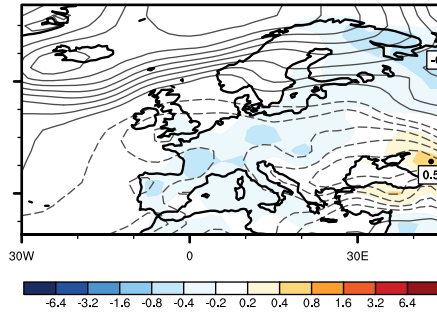


Summer (JJA) 1480

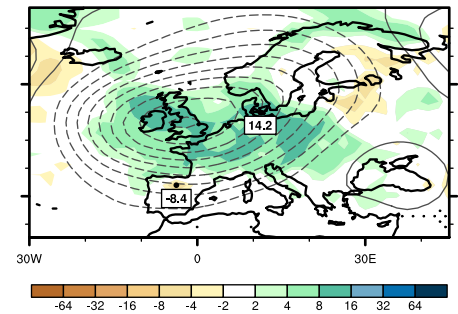
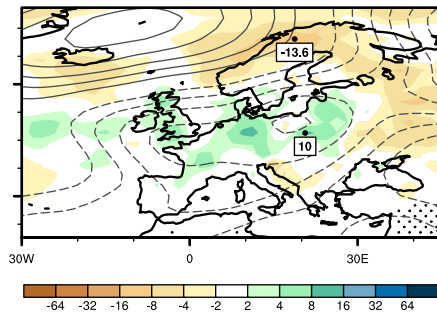
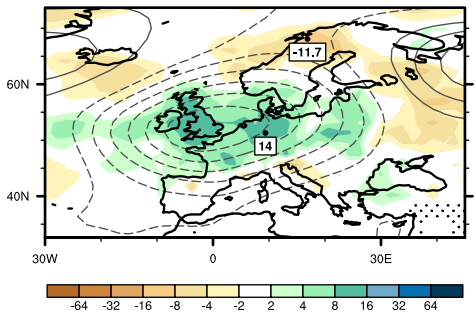
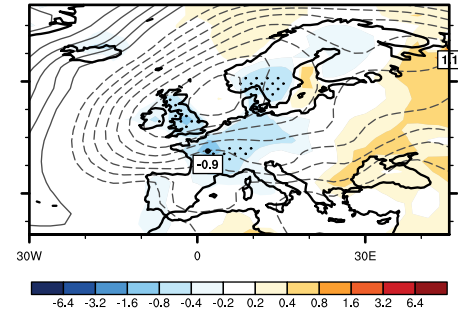
ModE-RA



ModE-Sim

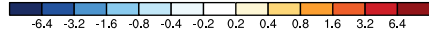
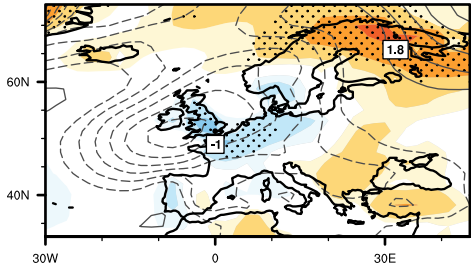


ModE-RAClim

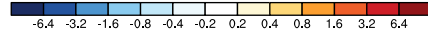
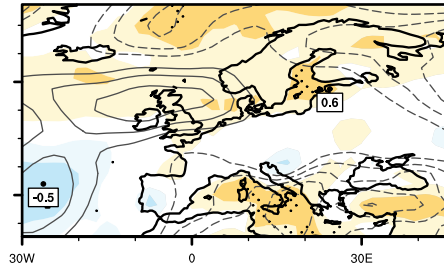


Summer (JJA) 1491

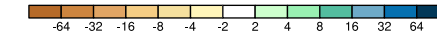
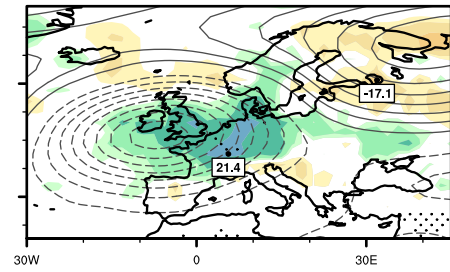
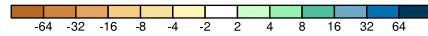
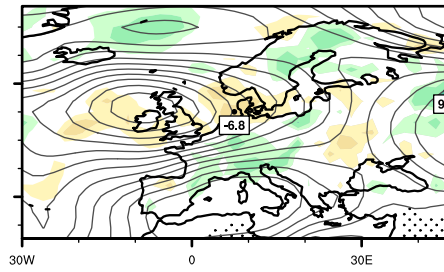
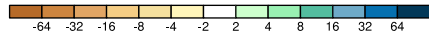
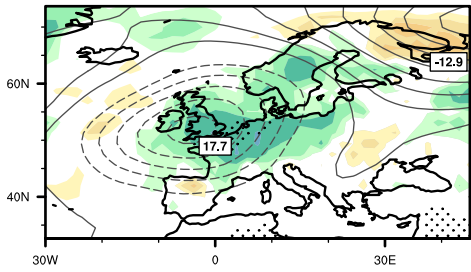
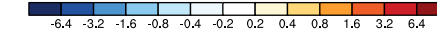
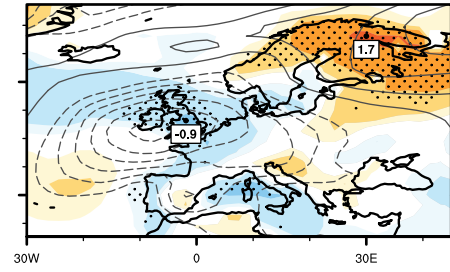
ModE-RA



ModE-Sim

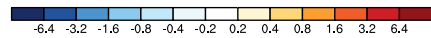
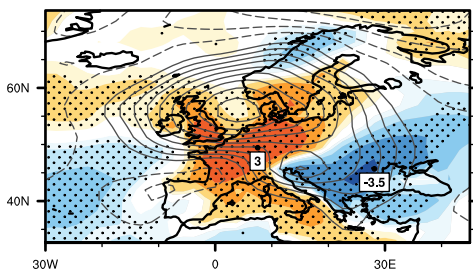


ModE-RAClim

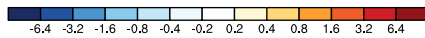
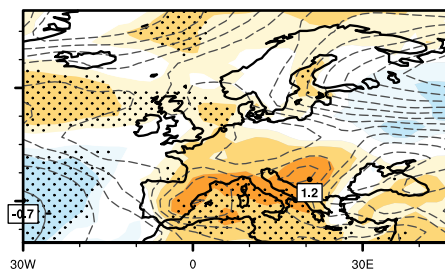


Summer (JJA) 1536

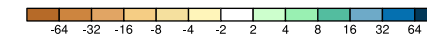
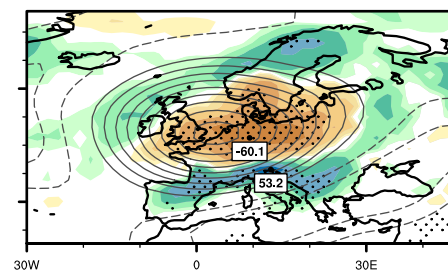
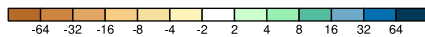
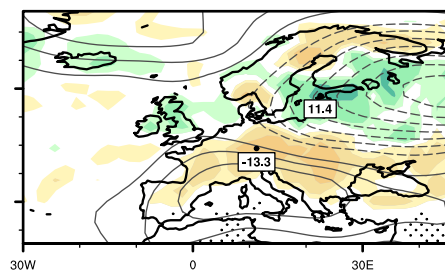
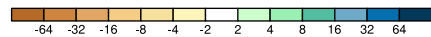
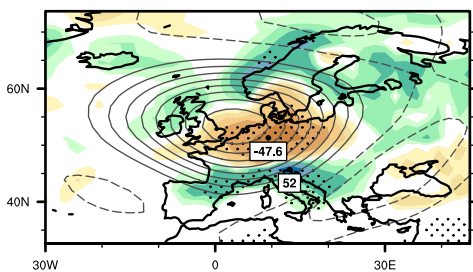
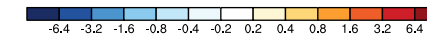
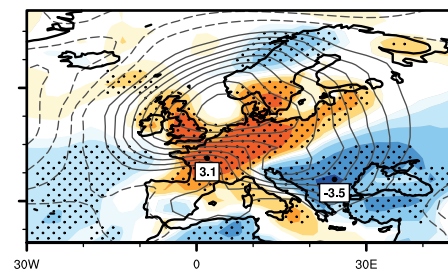
ModE-RA



ModE-Sim

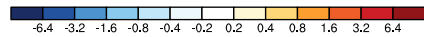
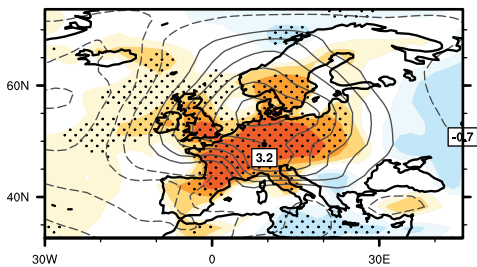


ModE-RAClim

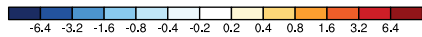
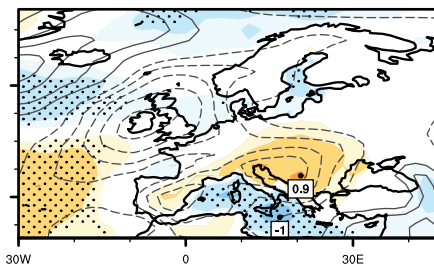


Summer (JJA) 1540

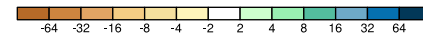
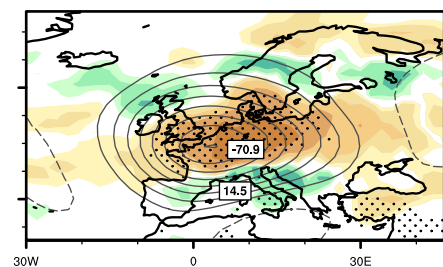
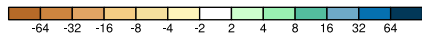
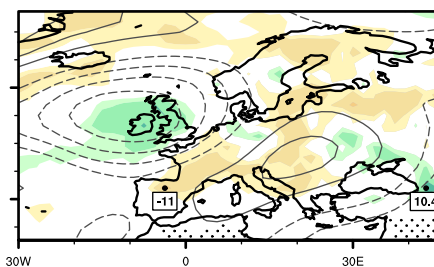
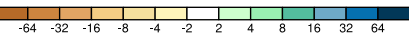
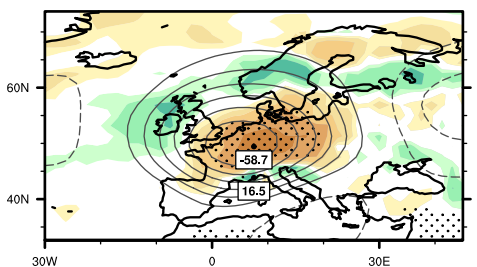
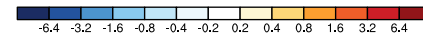
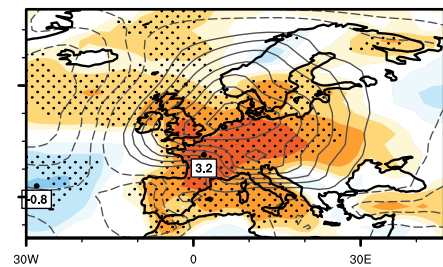
ModE-RA



ModE-Sim

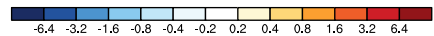
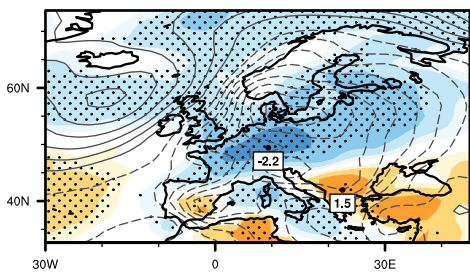


ModE-RAclim

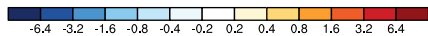
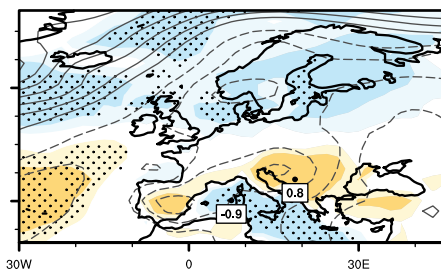


Summer (JJA) 1542

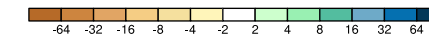
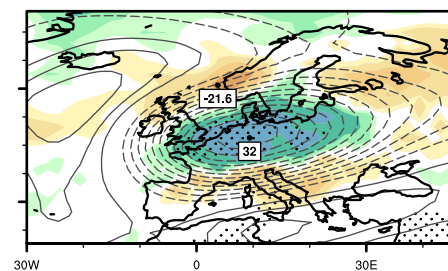
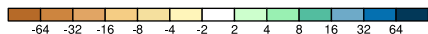
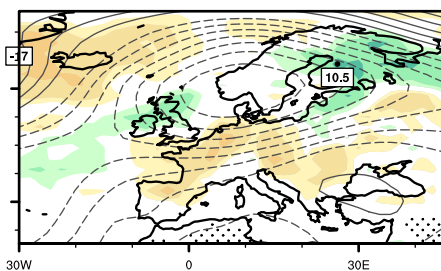
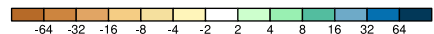
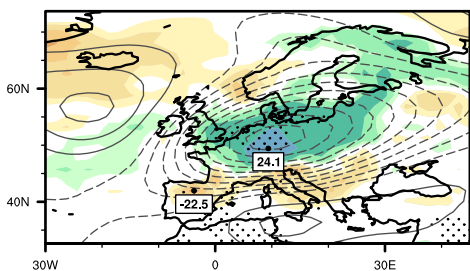
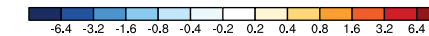
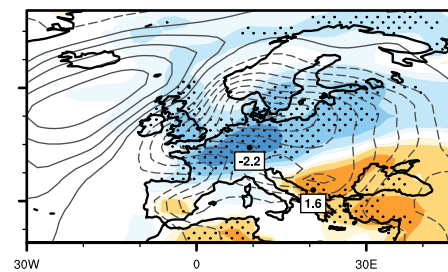
ModE-RA



ModE-Sim

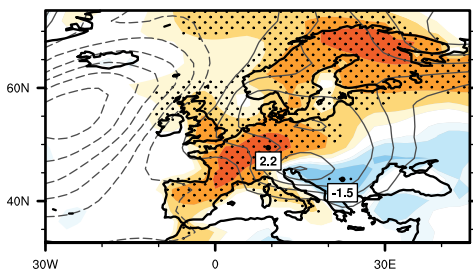


ModE-RAClim

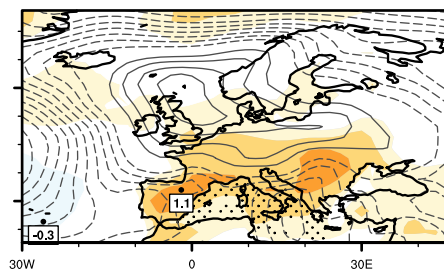


Summer (JJA) 1545

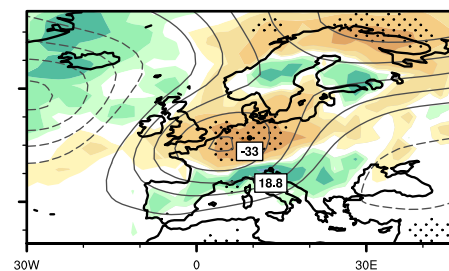
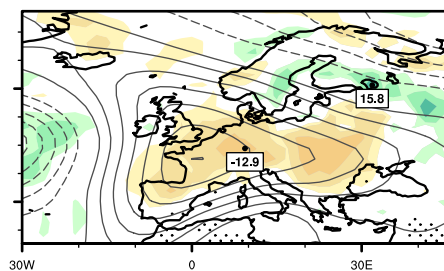
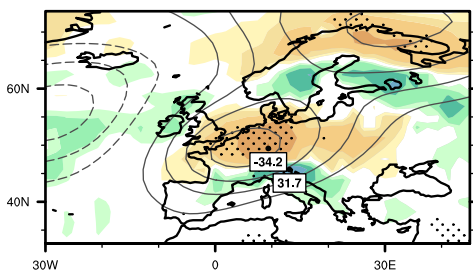
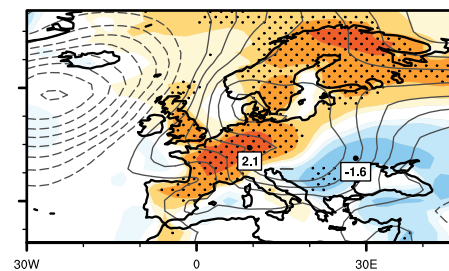
ModE-RA



ModE-Sim

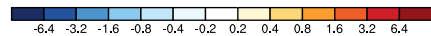
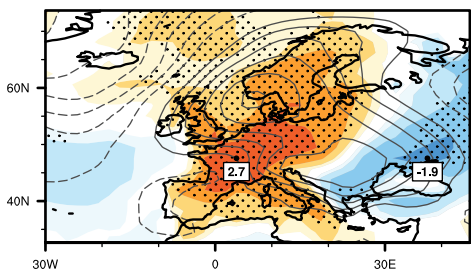


ModE-RAClim

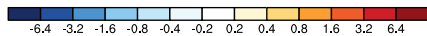
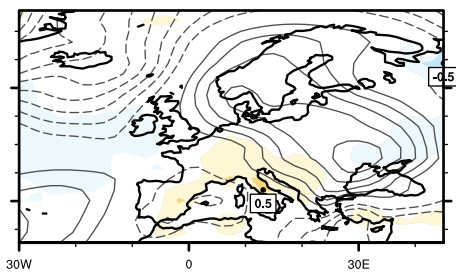


Summer (JJA) 1556

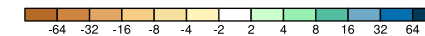
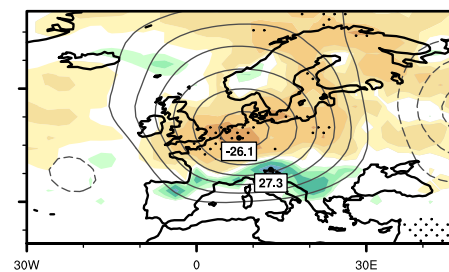
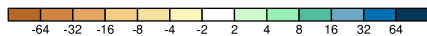
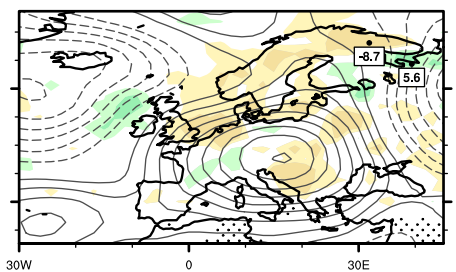
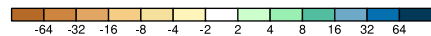
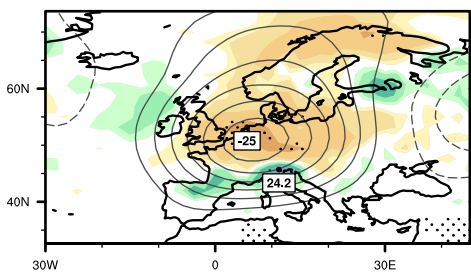
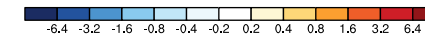
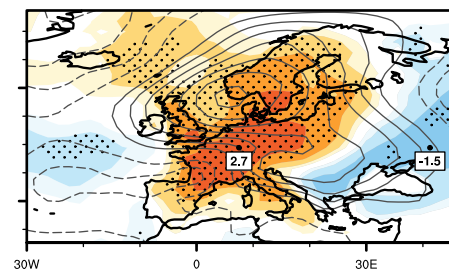
ModE-RA



ModE-Sim

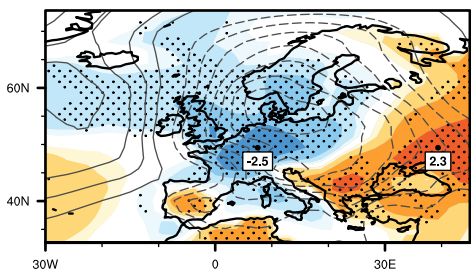


ModE-RAClim

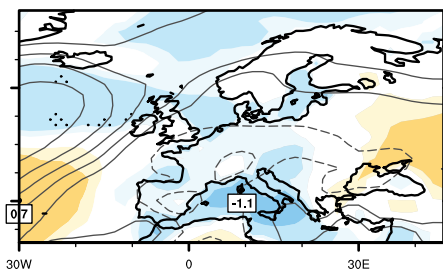


Summer (JJA) 1579

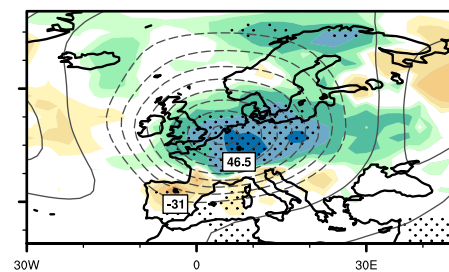
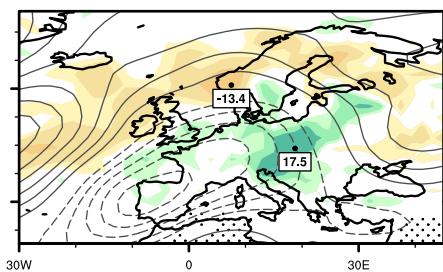
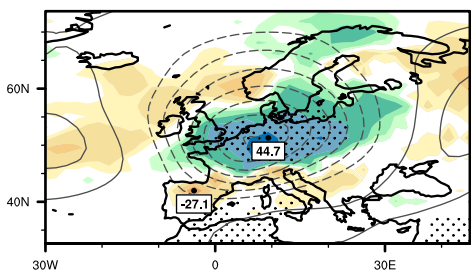
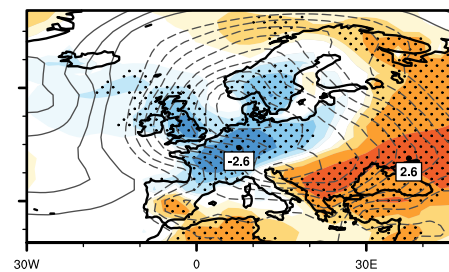
ModE-RA



ModE-Sim

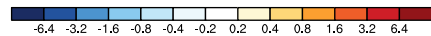
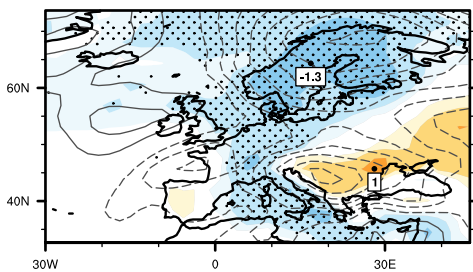


ModE-RAClim

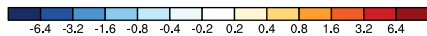
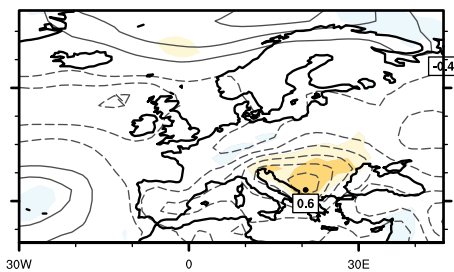


Summer (JJA) 1587

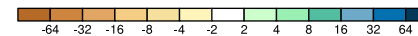
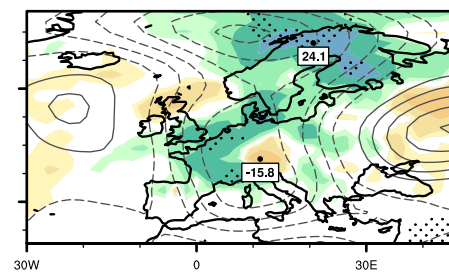
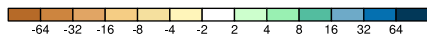
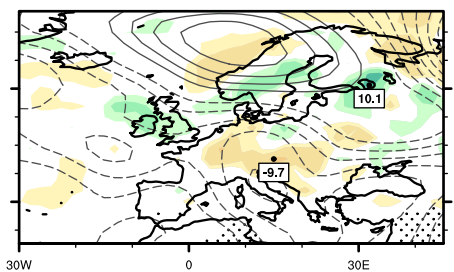
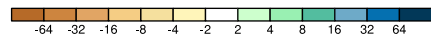
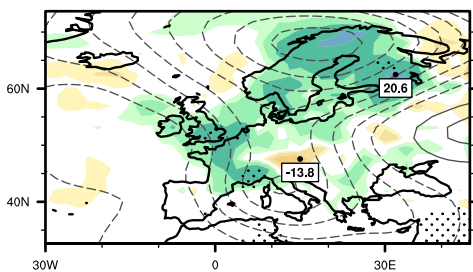
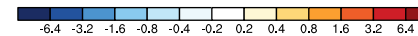
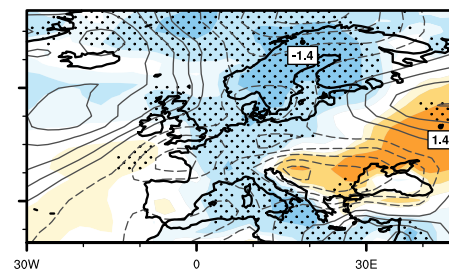
ModE-RA



ModE-Sim

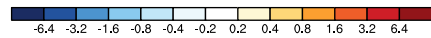
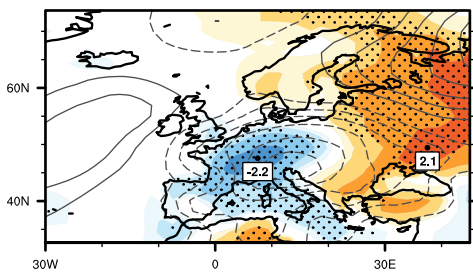


ModE-RAClim

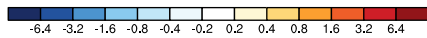
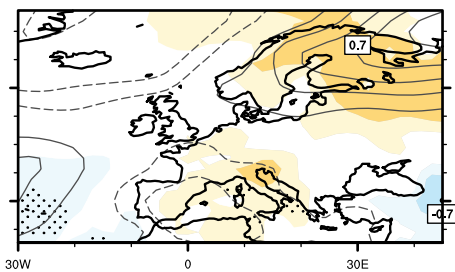


Summer (JJA) 1588

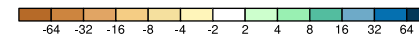
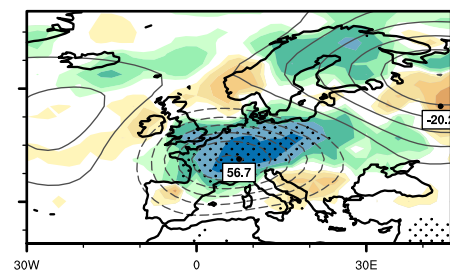
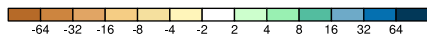
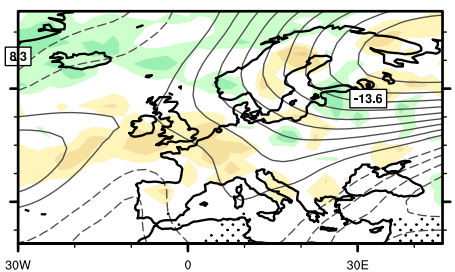
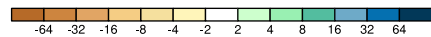
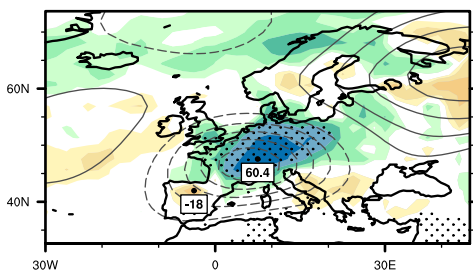
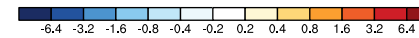
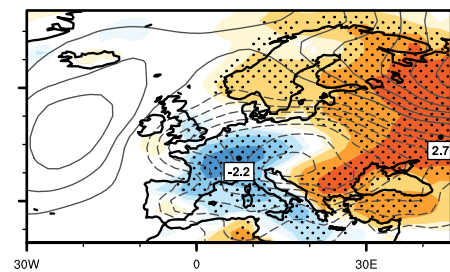
ModE-RA



ModE-Sim

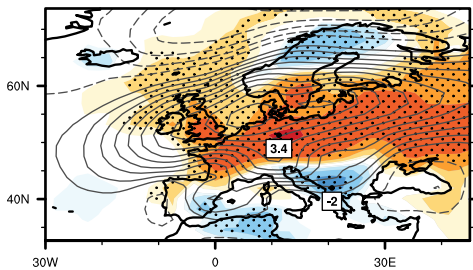


ModE-RAClim

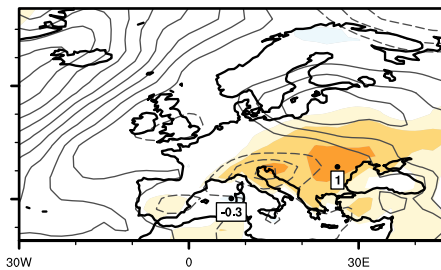


Summer (JJA) 1590

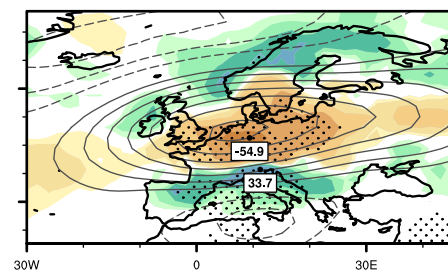
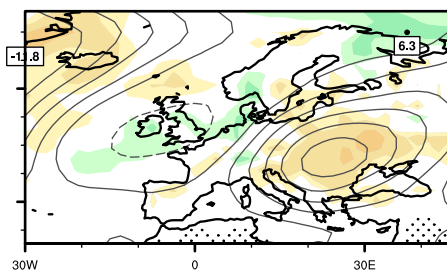
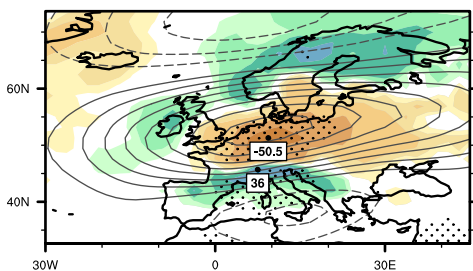
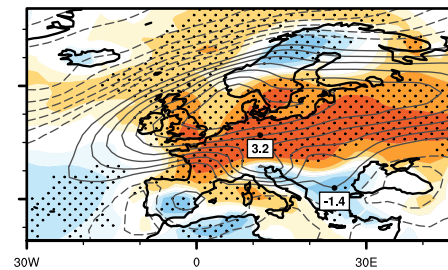
ModE-RA



ModE-Sim

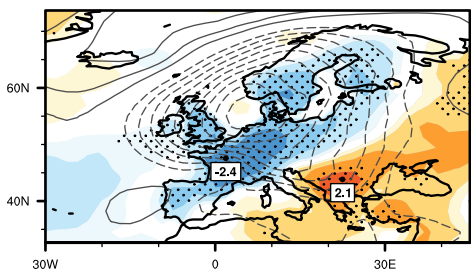


ModE-RAClim

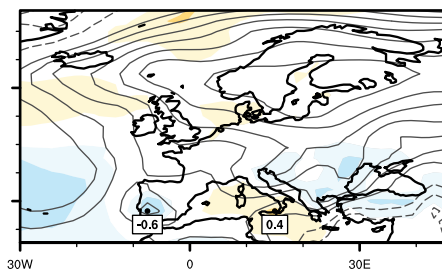


Summer (JJA) 1596

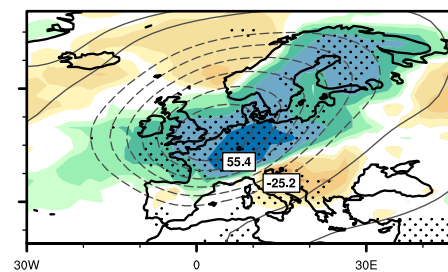
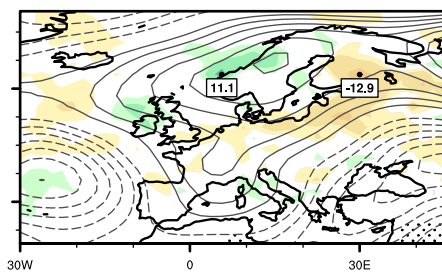
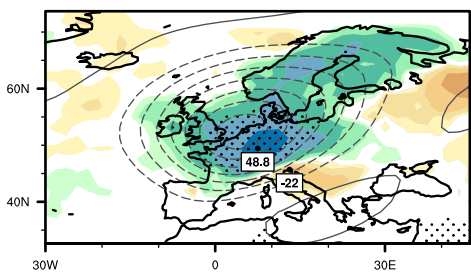
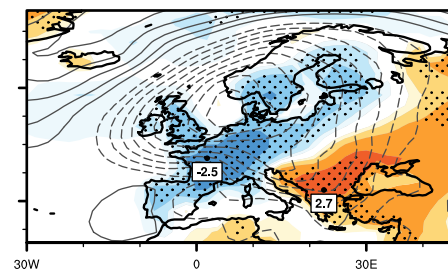
ModE-RA



ModE-Sim

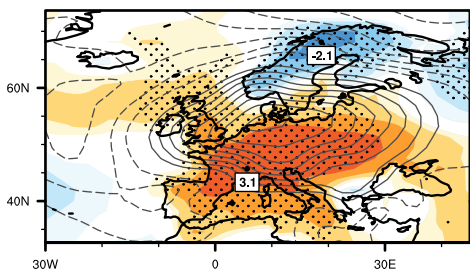


ModE-RAClim

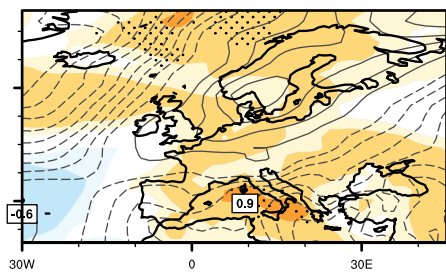


Summer (JJA) 1616

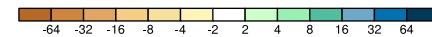
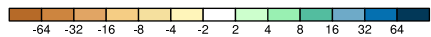
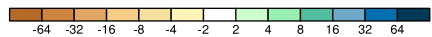
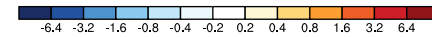
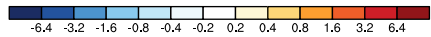
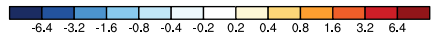
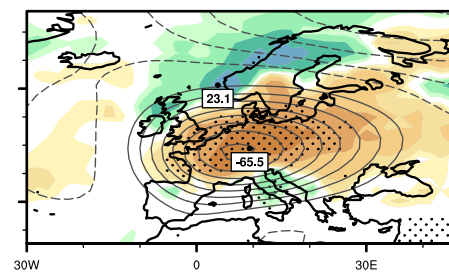
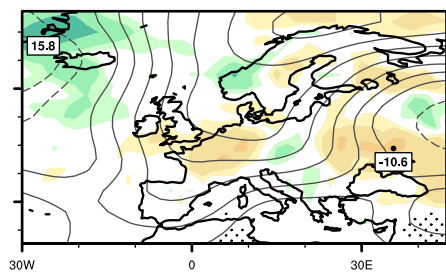
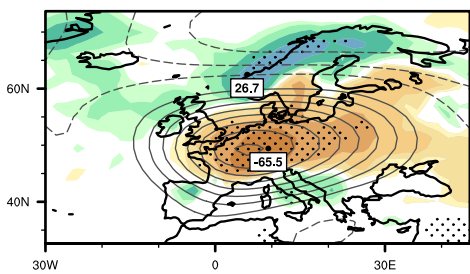
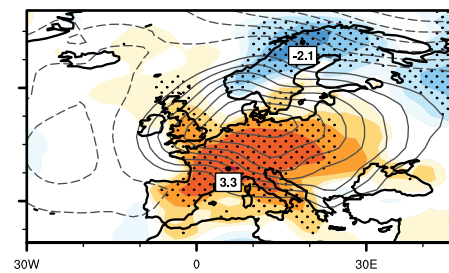
ModE-RA



ModE-Sim

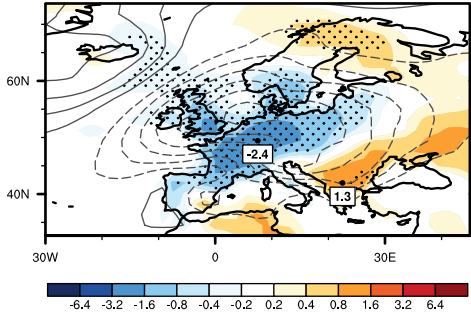


ModE-RAClim

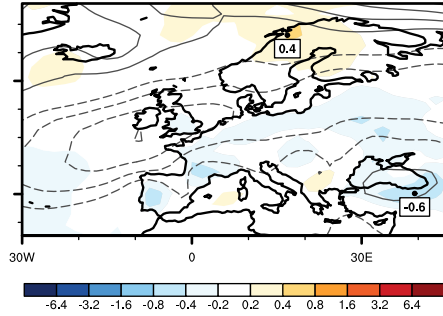


Summer (JJA) 1621

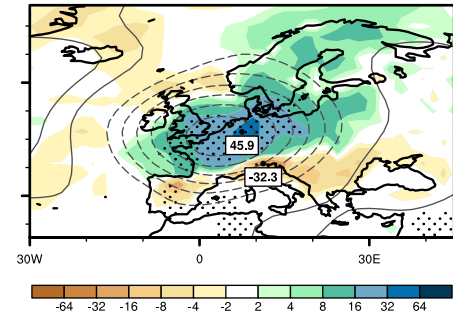
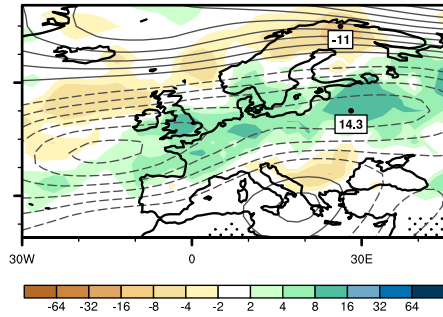
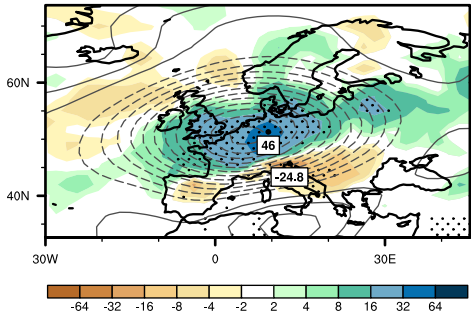
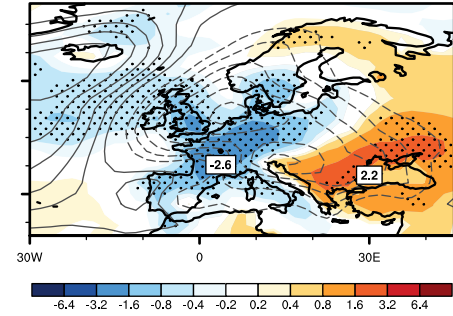
ModE-RA



ModE-Sim

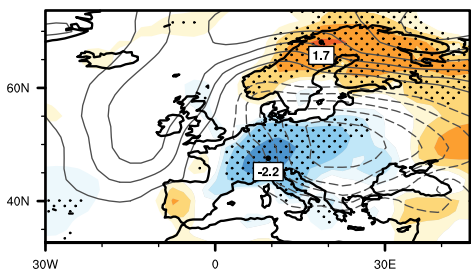


ModE-RAClim

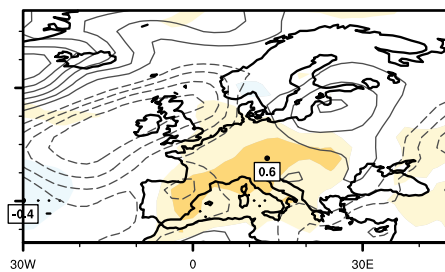


Summer (JJA) 1628

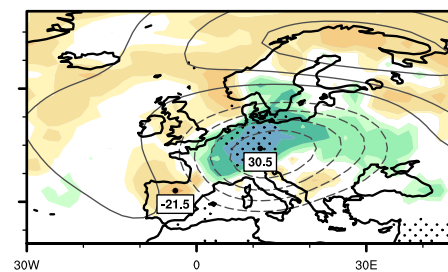
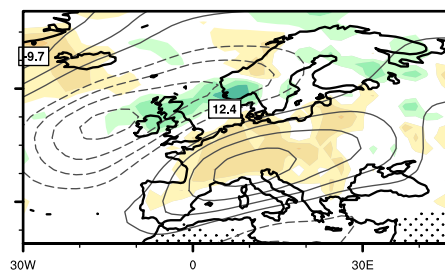
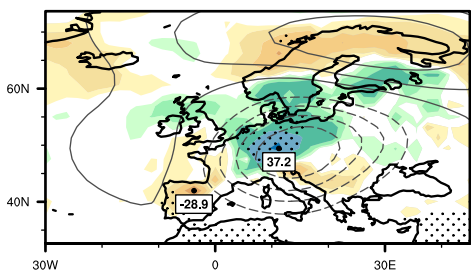
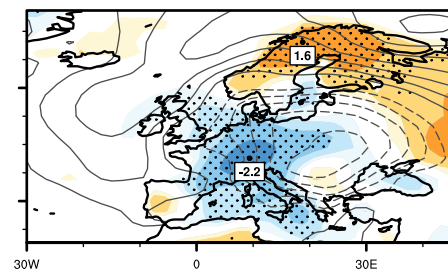
ModE-RA



ModE-Sim

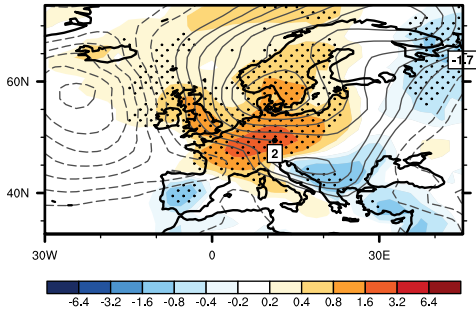


ModE-RAClim

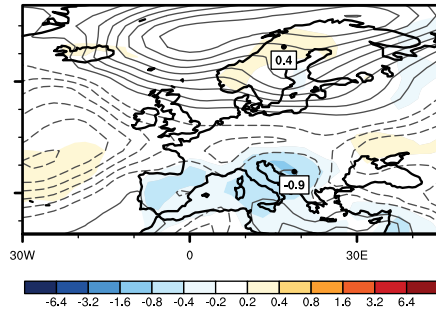


Summer (JJA) 1666

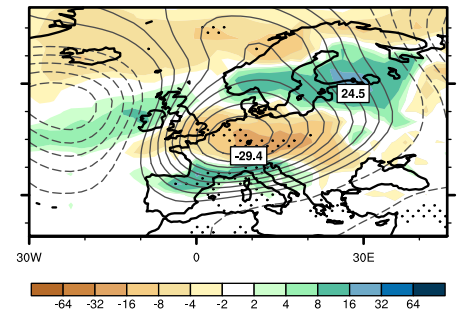
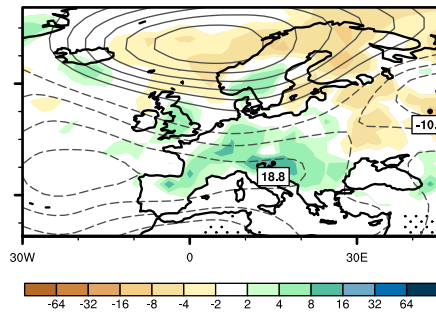
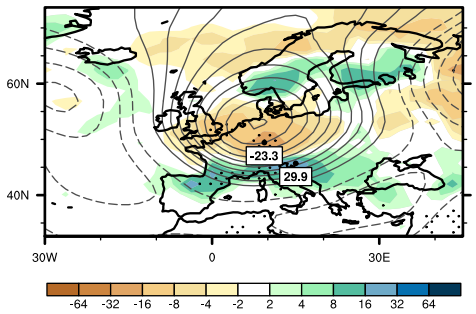
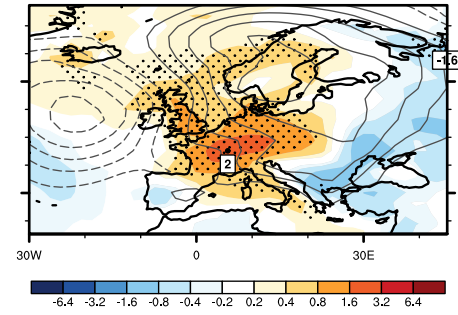
ModE-RA



ModE-Sim

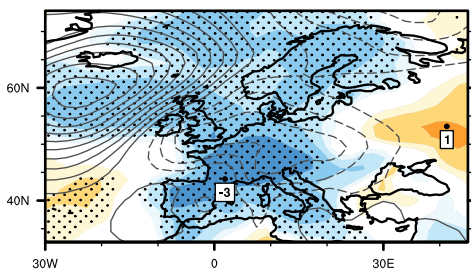


ModE-RAClim

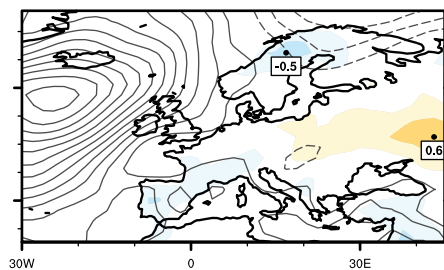


Summer (JJA) 1675

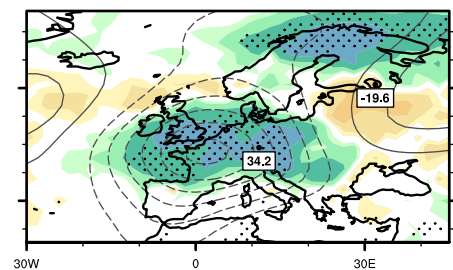
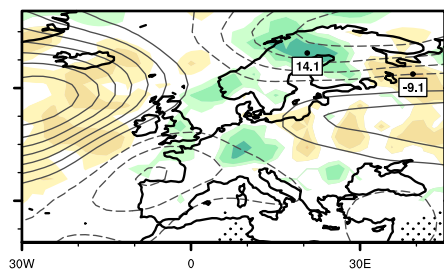
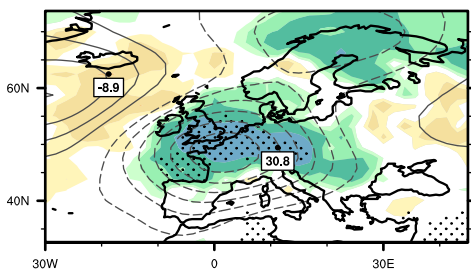
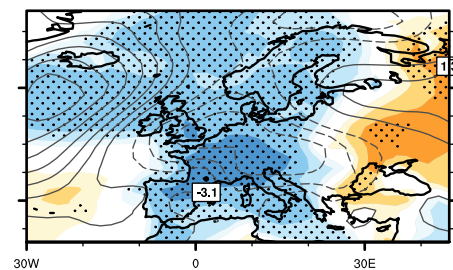
ModE-RA



ModE-Sim

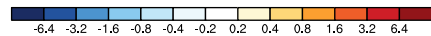
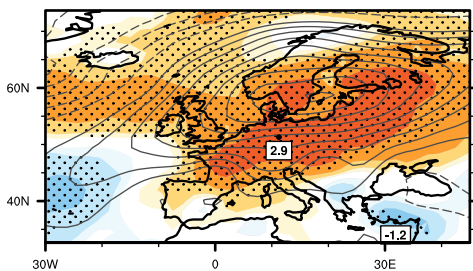


ModE-RAClim

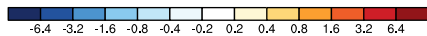
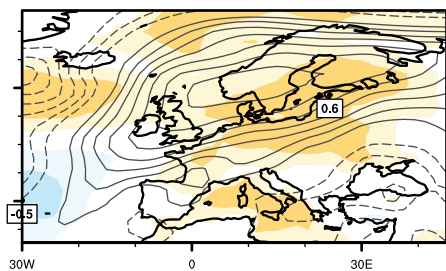


Summer (JJA) 1684

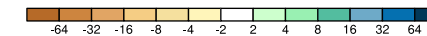
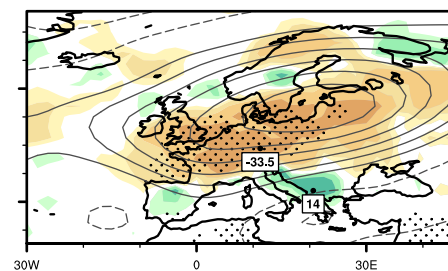
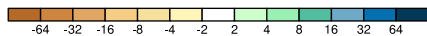
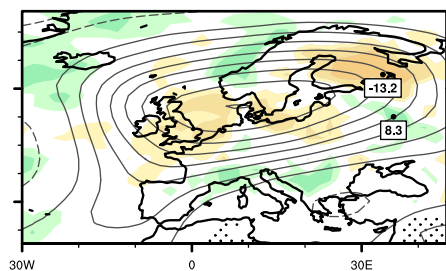
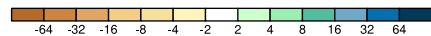
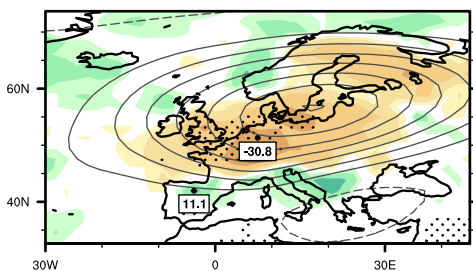
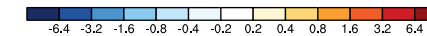
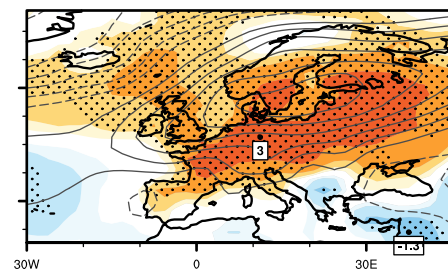
ModE-RA



ModE-Sim

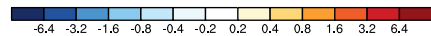
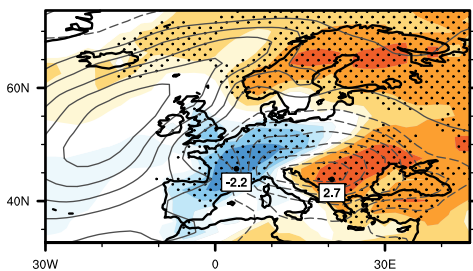


ModE-RAClim

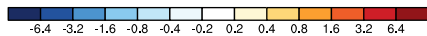
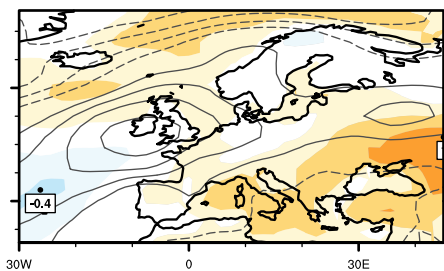


Summer (JJA) 1692

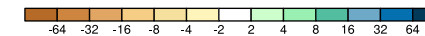
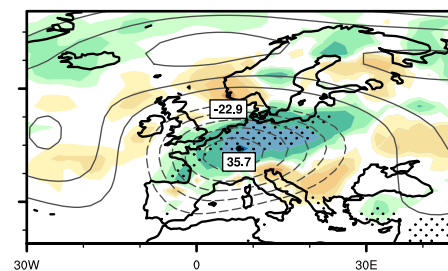
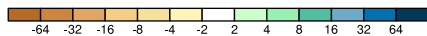
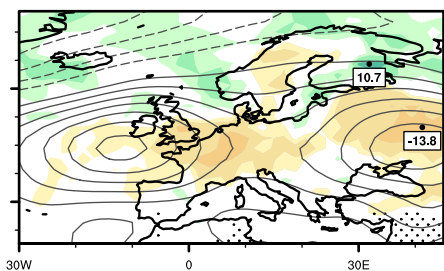
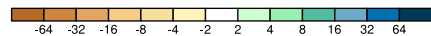
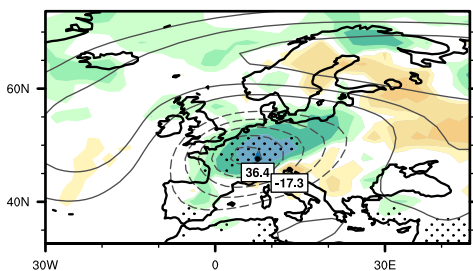
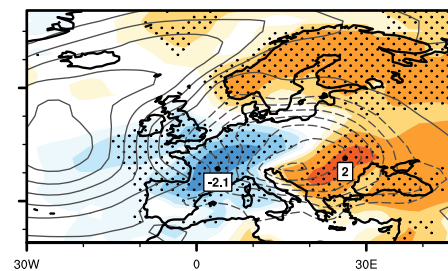
ModE-RA



ModE-Sim

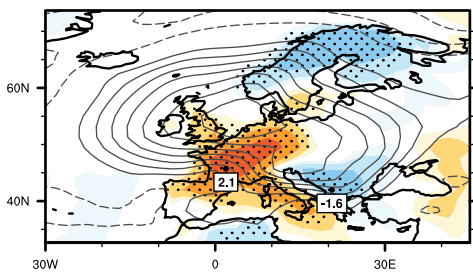


ModE-RAClim

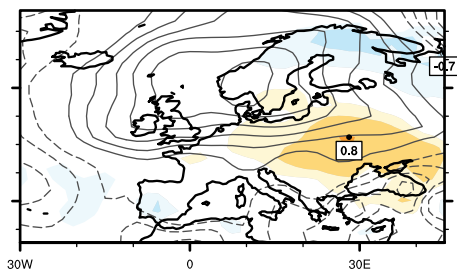


Summer (JJA) 1706

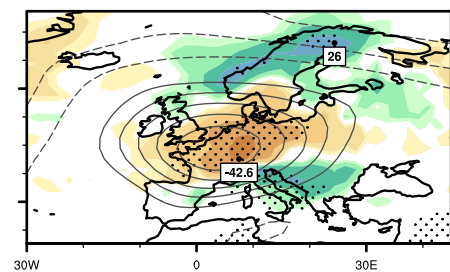
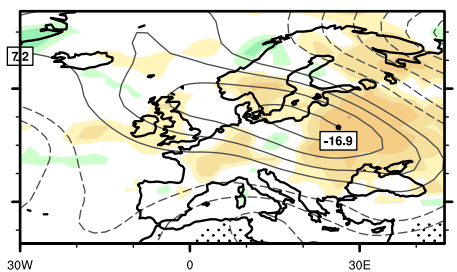
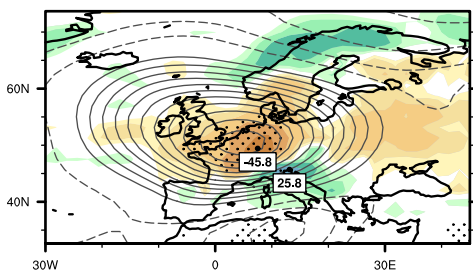
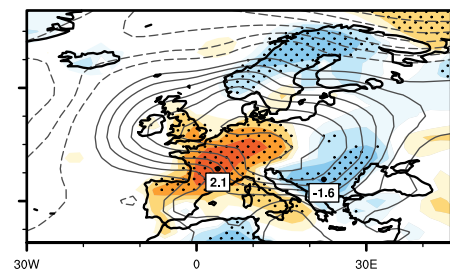
ModE-RA



ModE-Sim

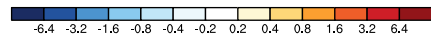
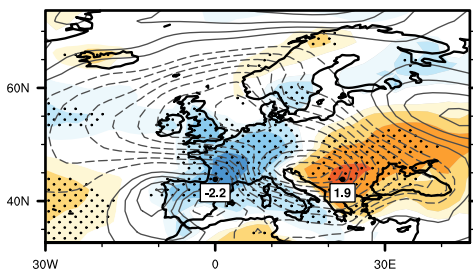


ModE-RAClim

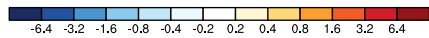
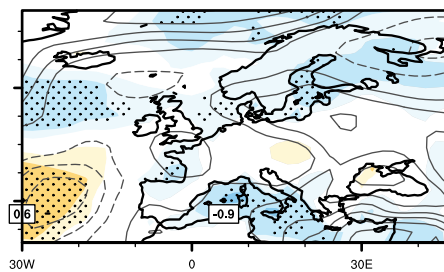


Summer (JJA) 1713

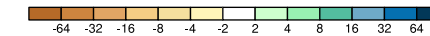
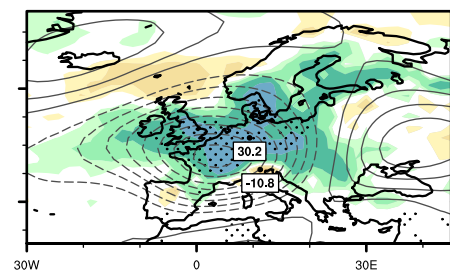
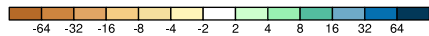
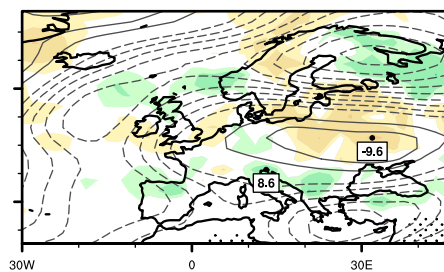
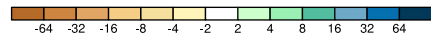
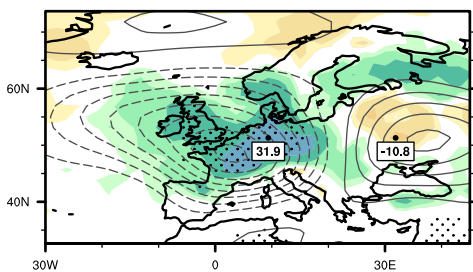
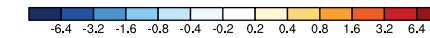
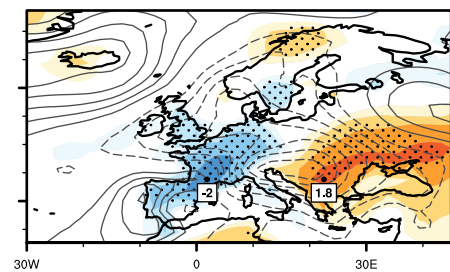
ModE-RA



ModE-Sim

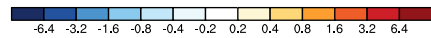
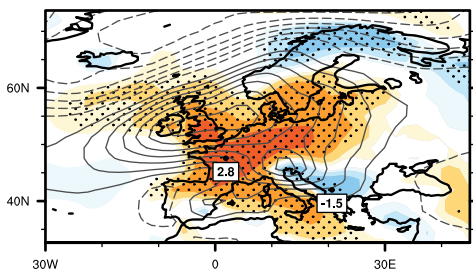


ModE-RAClim

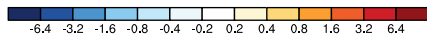
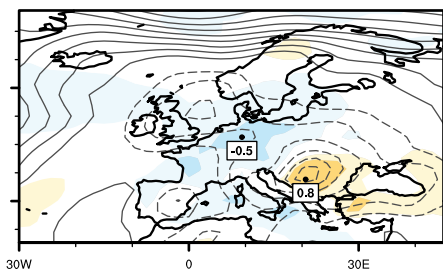


Summer (JJA) 1719

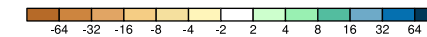
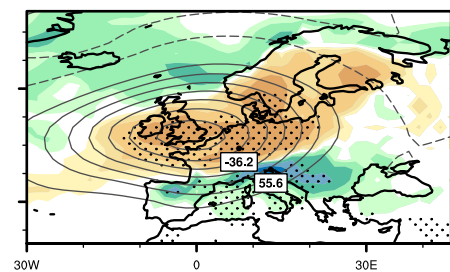
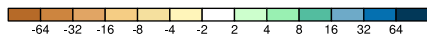
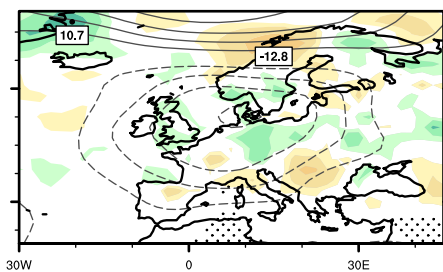
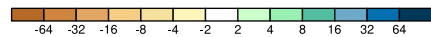
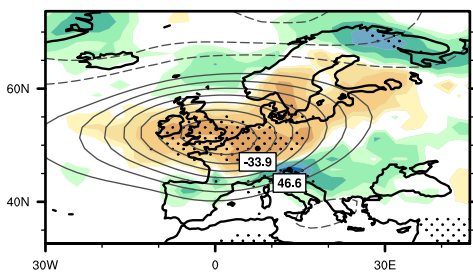
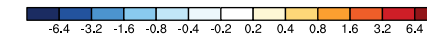
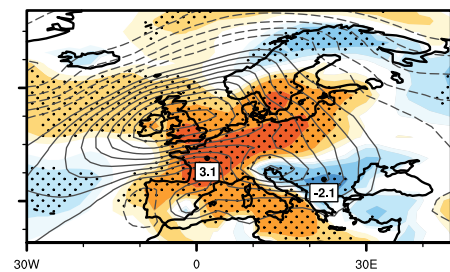
ModE-RA



ModE-Sim

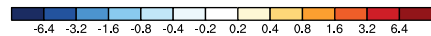
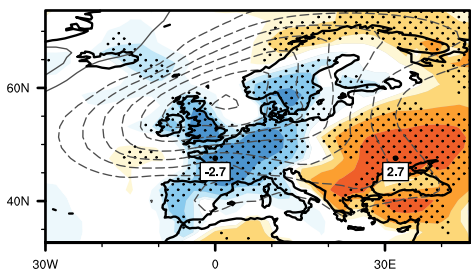


ModE-RAClim

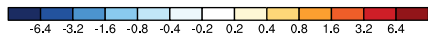
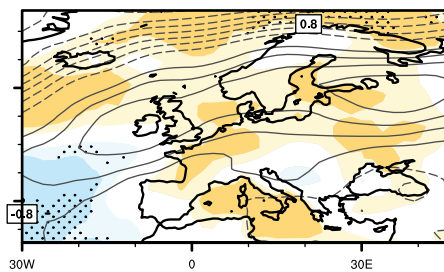


Summer (JJA) 1725

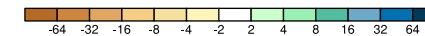
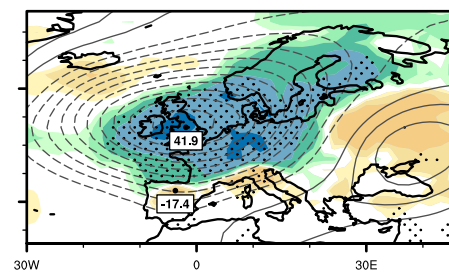
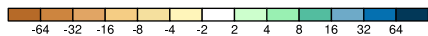
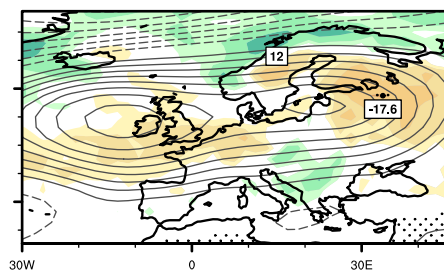
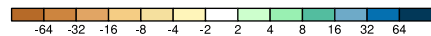
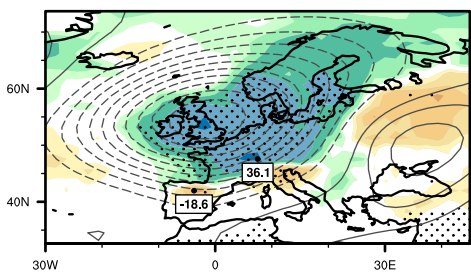
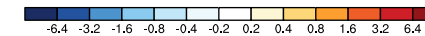
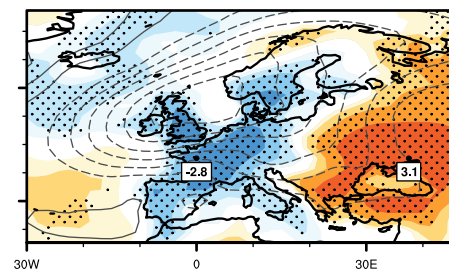
ModE-RA



ModE-Sim

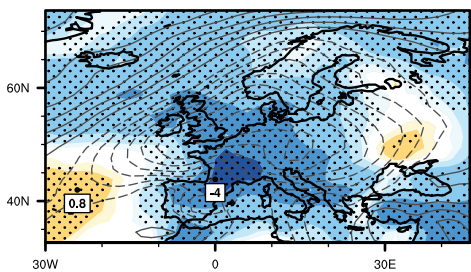


ModE-RAClim

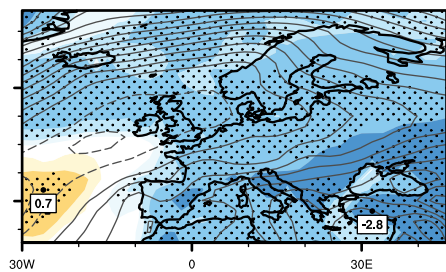


Summer (JJA) 1816

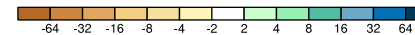
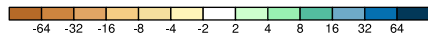
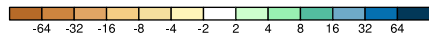
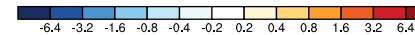
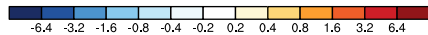
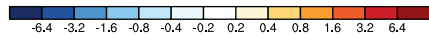
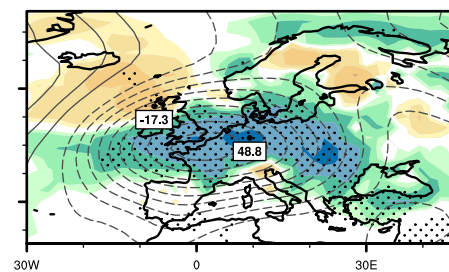
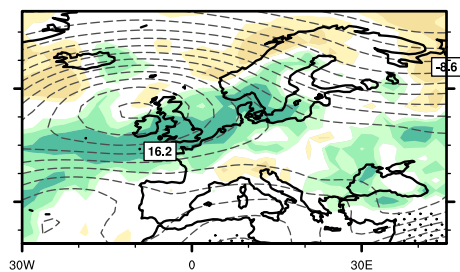
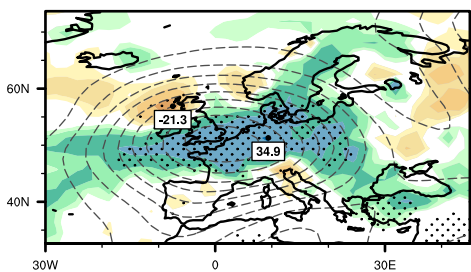
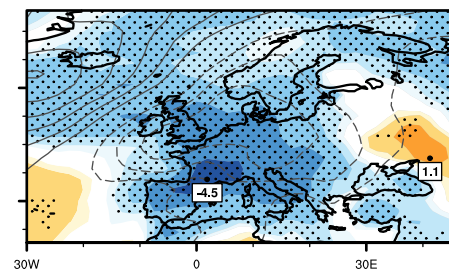
ModE-RA



ModE-Sim

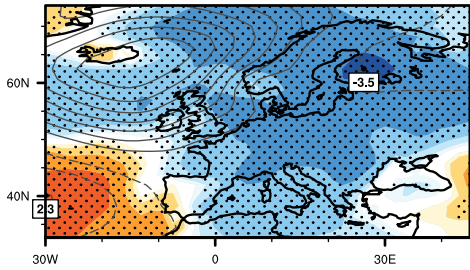


ModE-RAClim

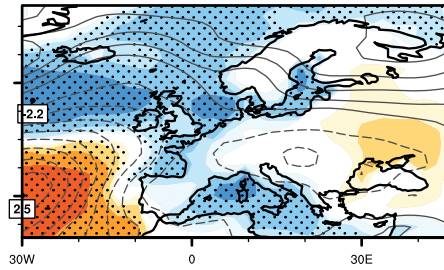


Summer (JJA) 1821

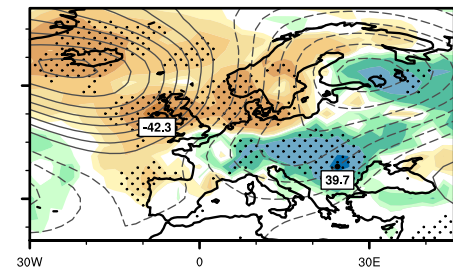
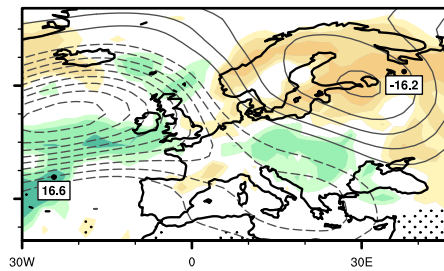
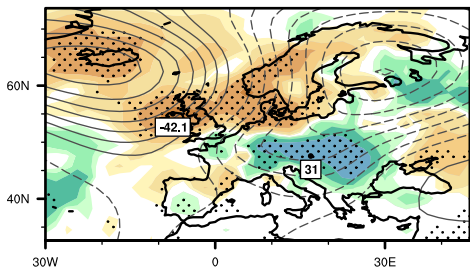
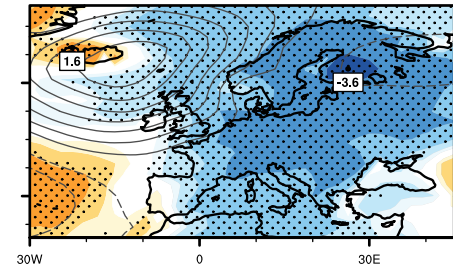
ModE-RA



ModE-Sim

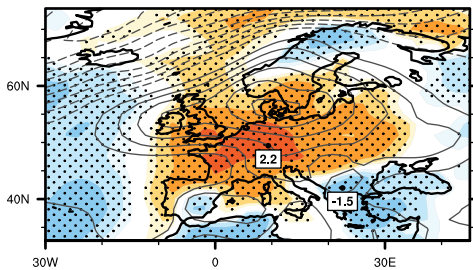


ModE-RAClim

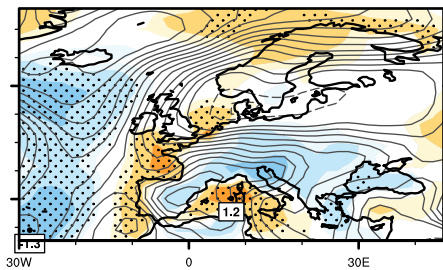


Summer (JJA) 1859

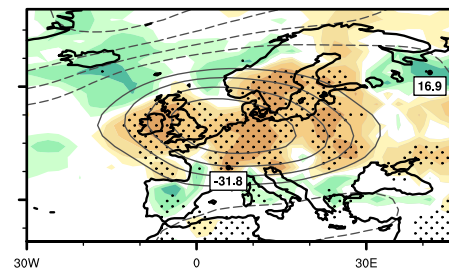
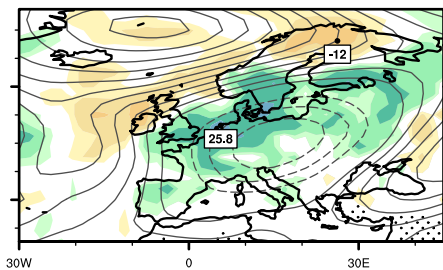
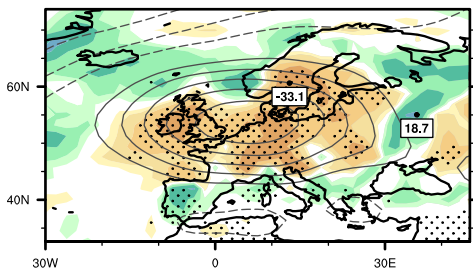
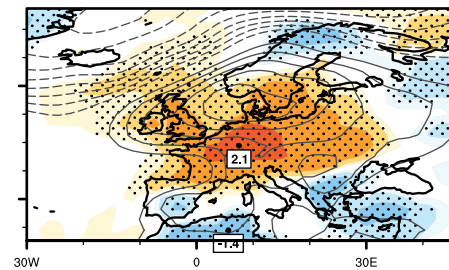
ModE-RA



ModE-Sim

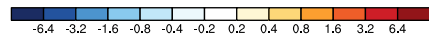
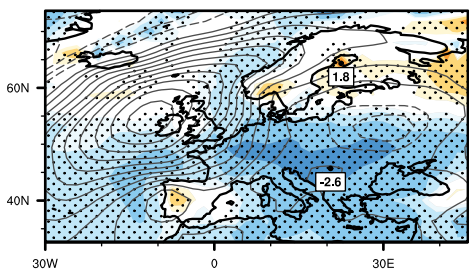


ModE-RAClim

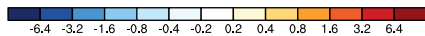
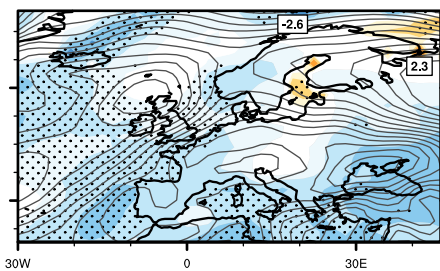


Summer (JJA) 1913

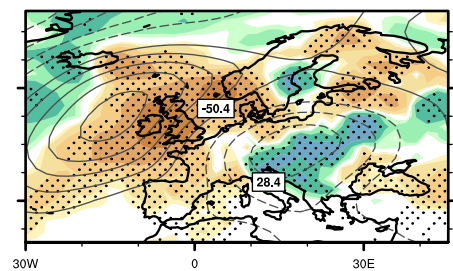
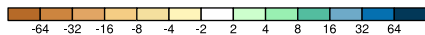
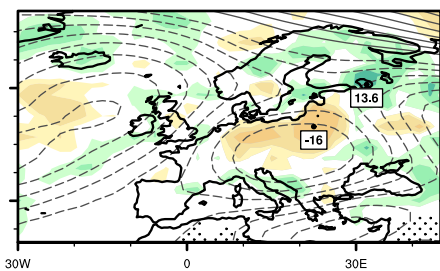
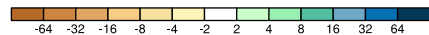
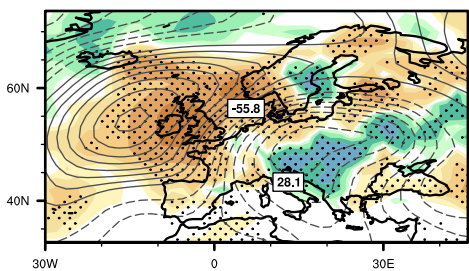
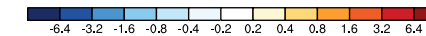
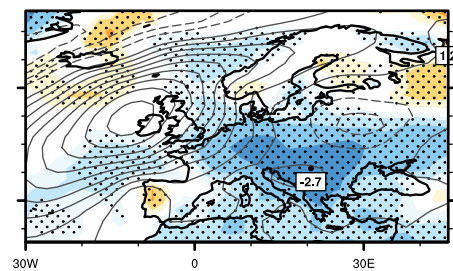
ModE-RA



ModE-Sim

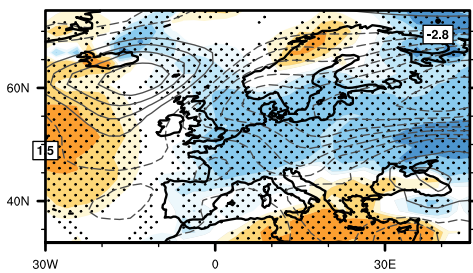


ModE-RAClim

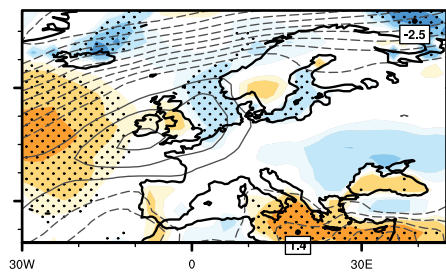


Summer (JJA) 1916

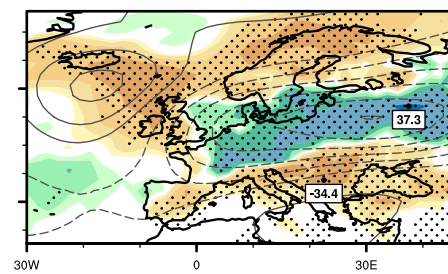
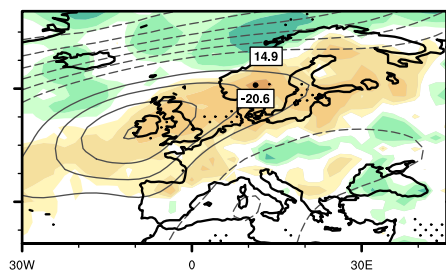
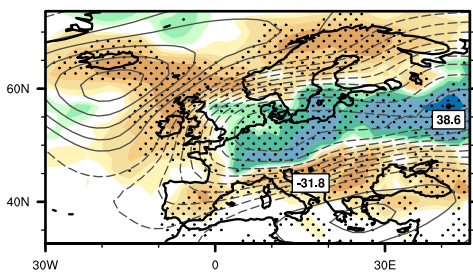
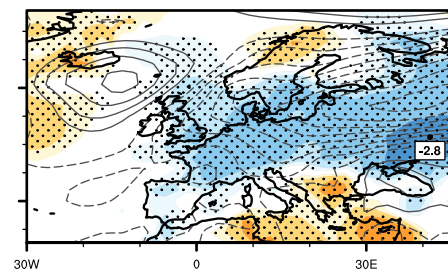
ModE-RA



ModE-Sim

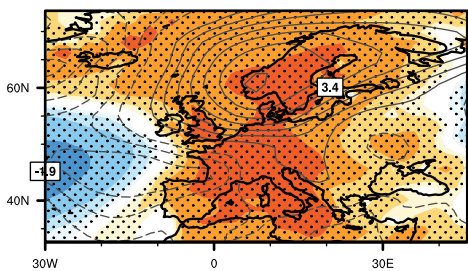


ModE-RAClim

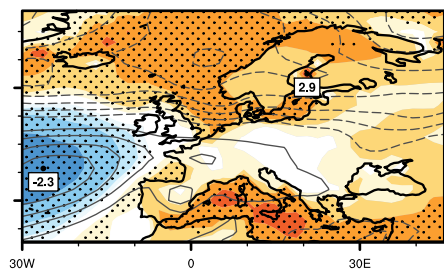


Summer (JJA) 1947

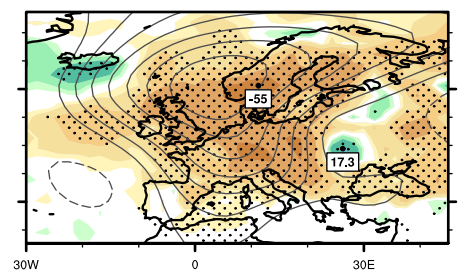
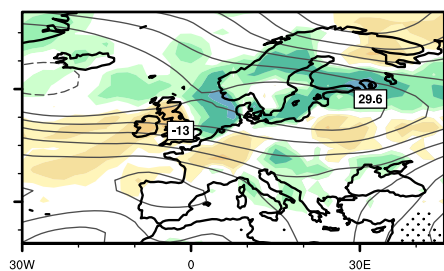
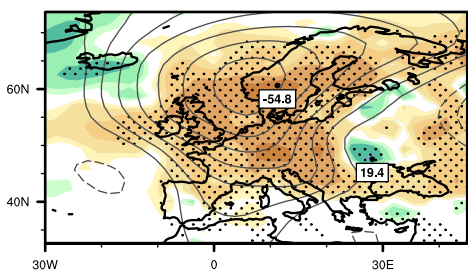
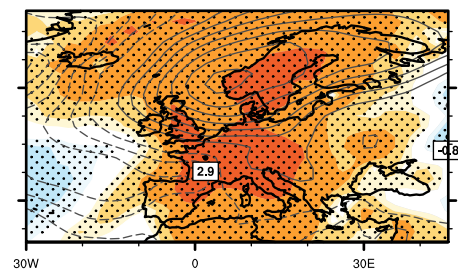
ModE-RA



ModE-Sim

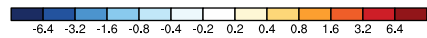
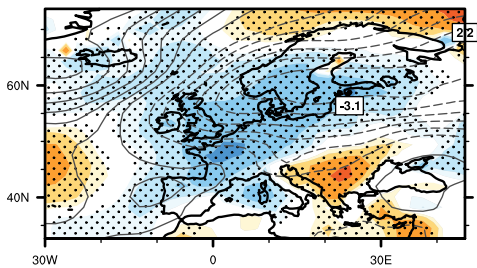


ModE-RAClim

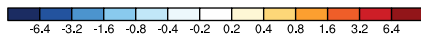
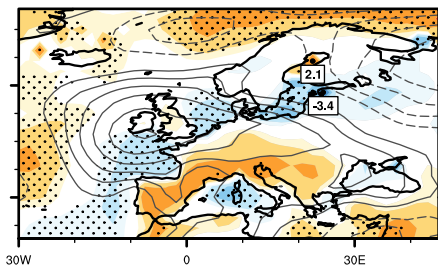


Summer (JJA) 1956

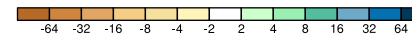
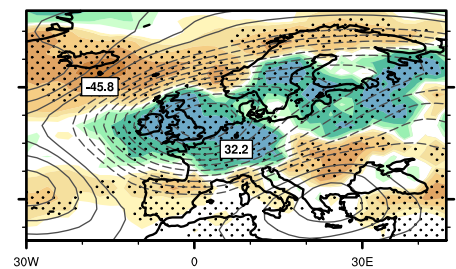
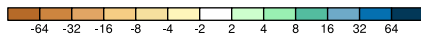
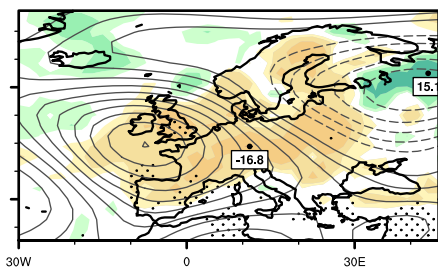
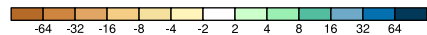
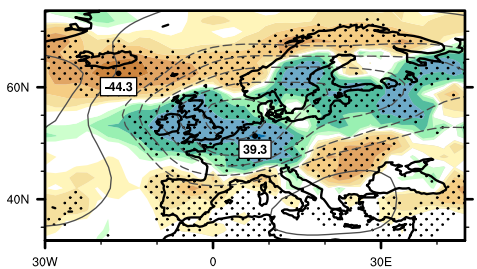
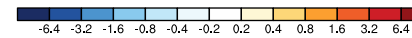
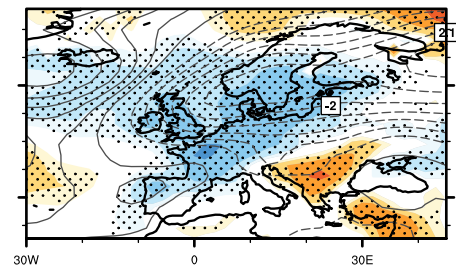
ModE-RA



ModE-Sim

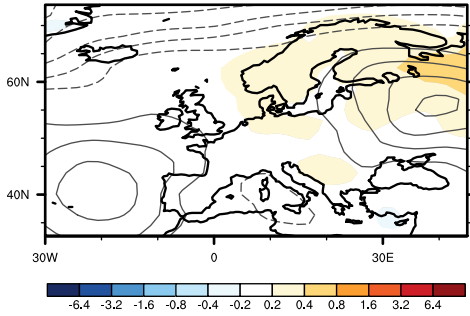


ModE-RAClim

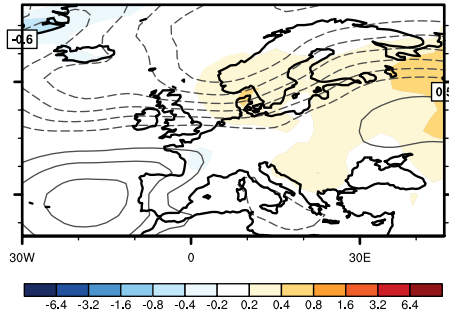


Autumn (SON) 1444

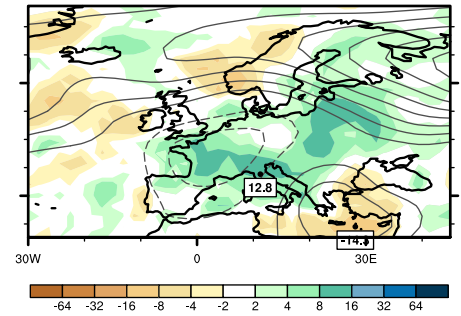
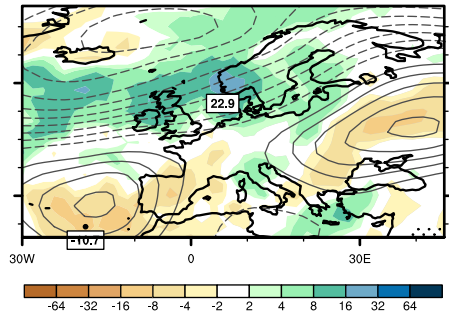
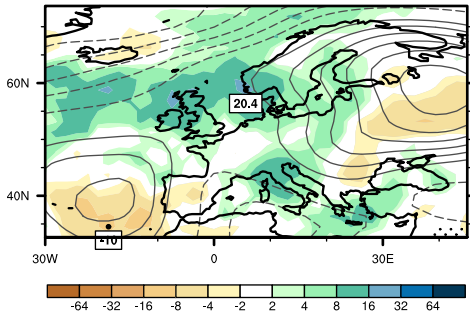
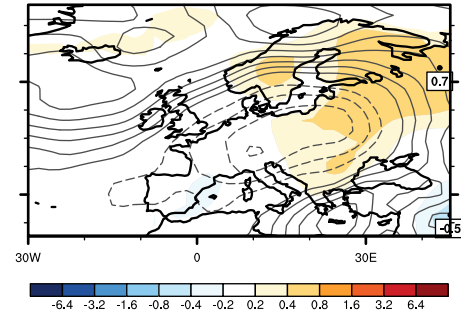
ModE-RA



ModE-Sim

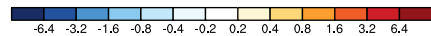
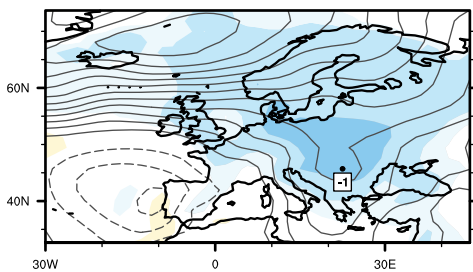


ModE-RAClim

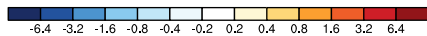
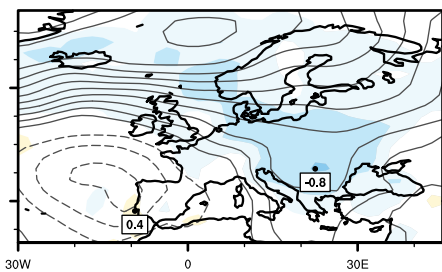


Autumn (SON) 1447

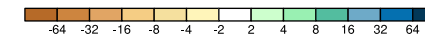
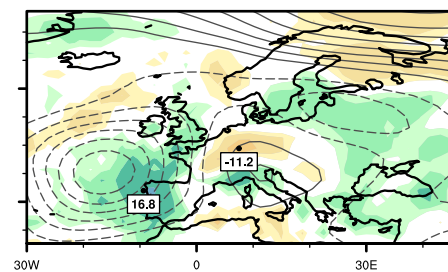
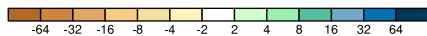
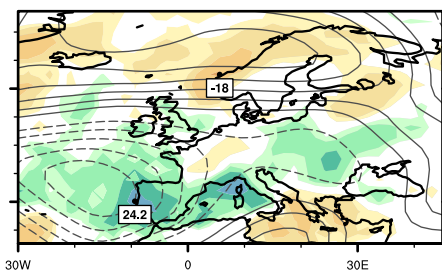
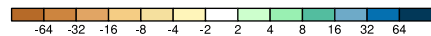
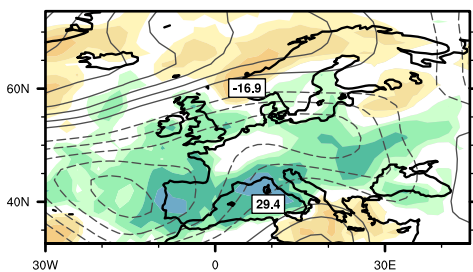
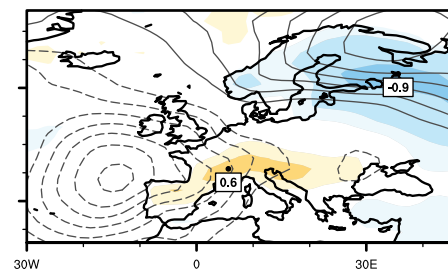
ModE-RA



ModE-Sim

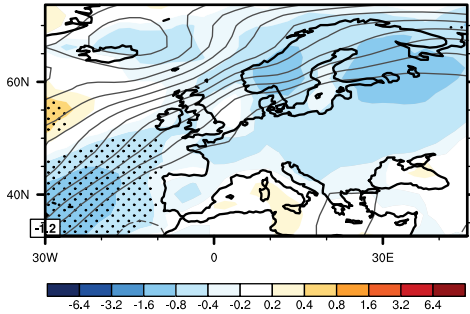


ModE-RAClim

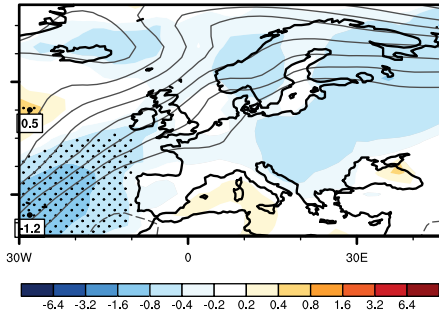


Autumn (SON) 1455

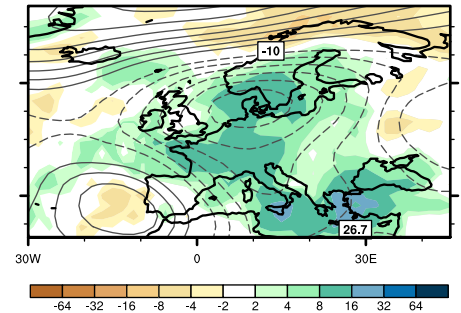
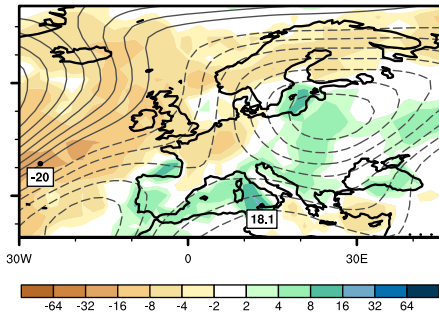
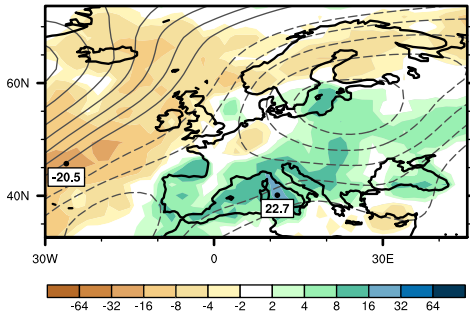
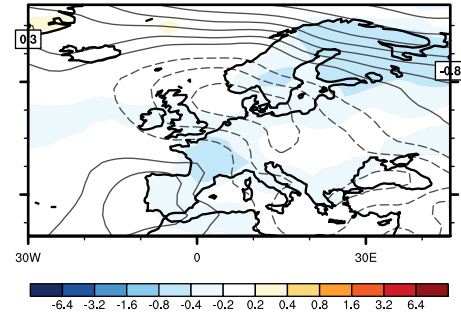
ModE-RA



ModE-Sim

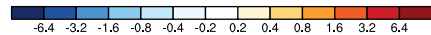
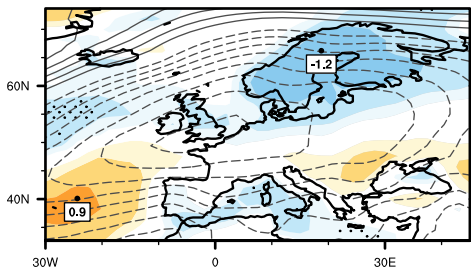


ModE-RAClim

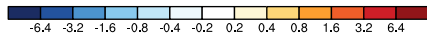
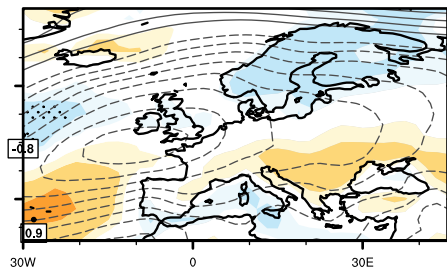


Autumn (SON) 1468

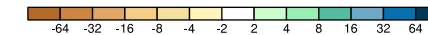
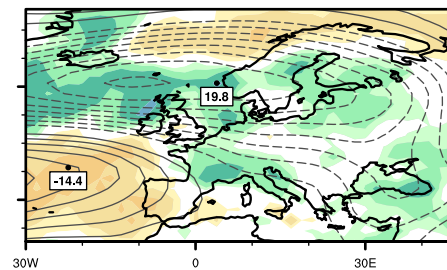
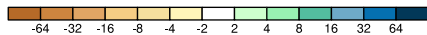
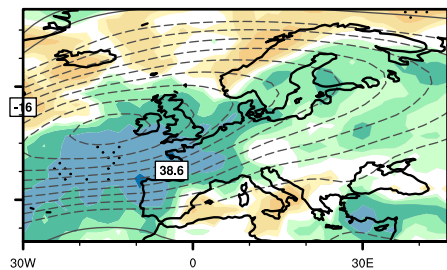
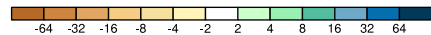
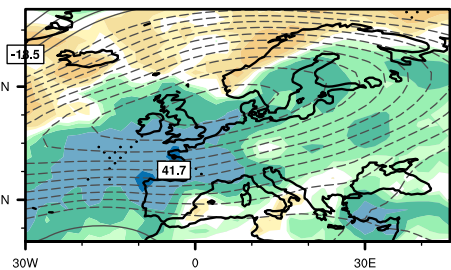
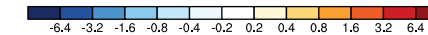
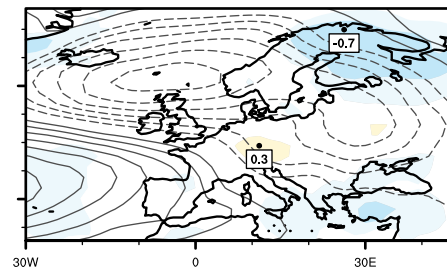
ModE-RA



ModE-Sim

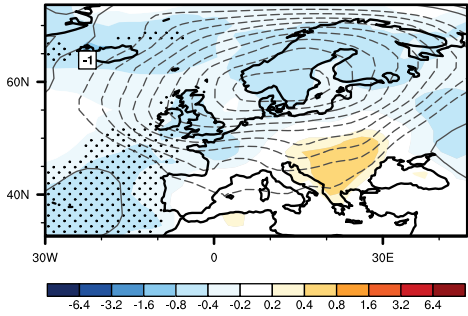


ModE-RAClim

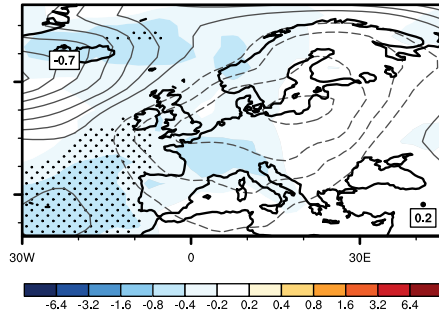


Autumn (SON) 1473

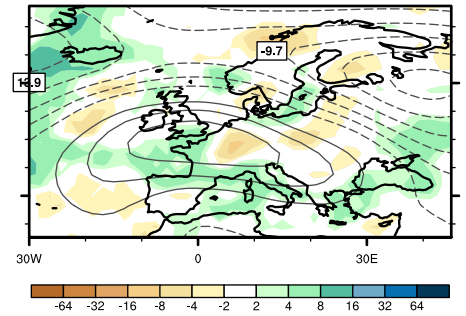
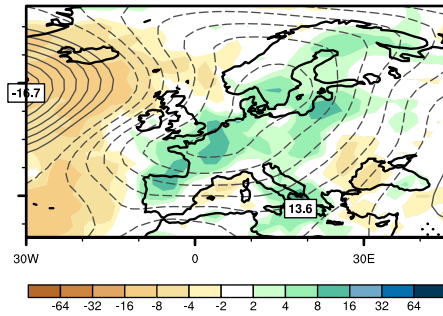
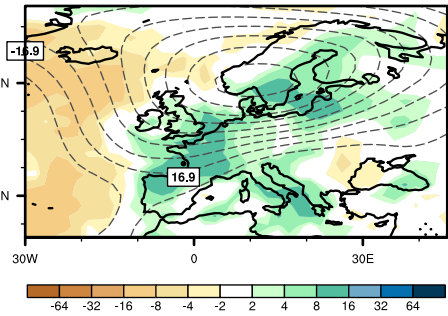
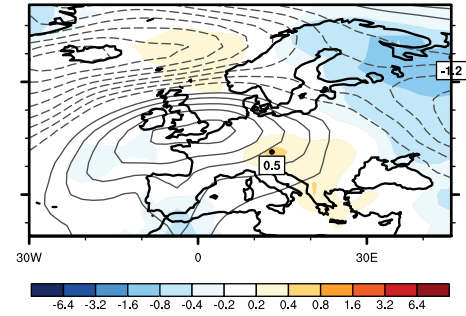
ModE-RA



ModE-Sim

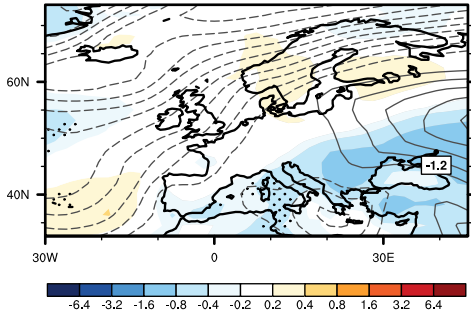


ModE-RAClim

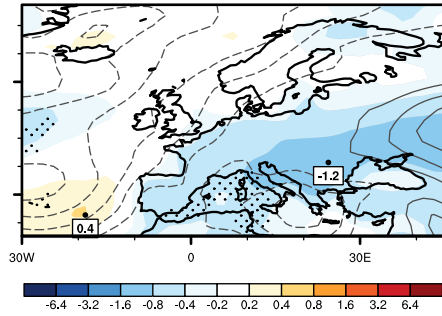


Autumn (SON) 1477

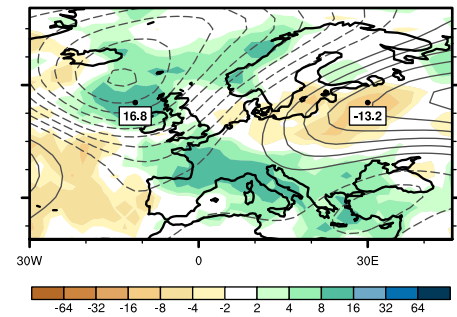
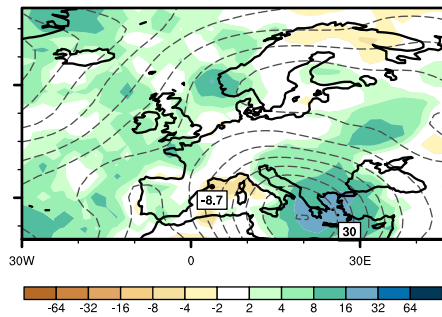
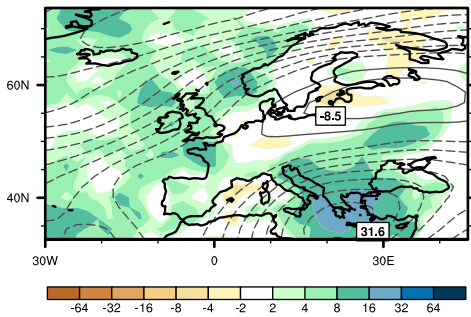
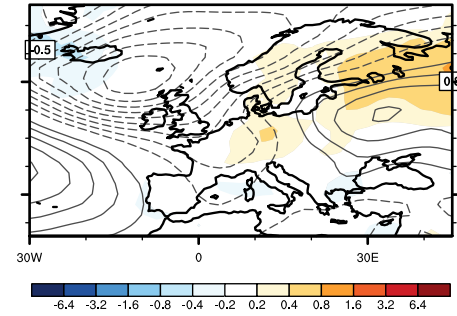
ModE-RA



ModE-Sim

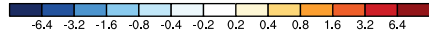
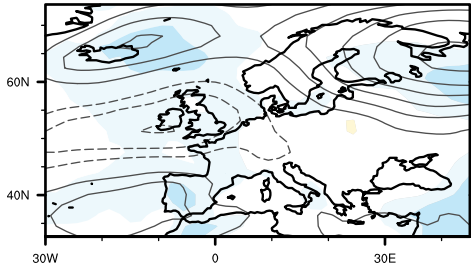


ModE-RAClim

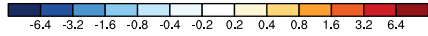
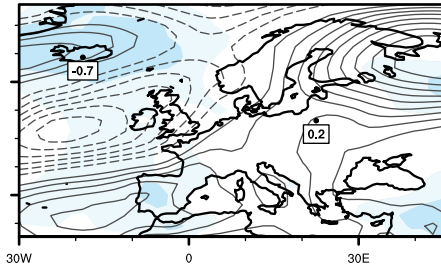


Autumn (SON) 1479

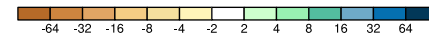
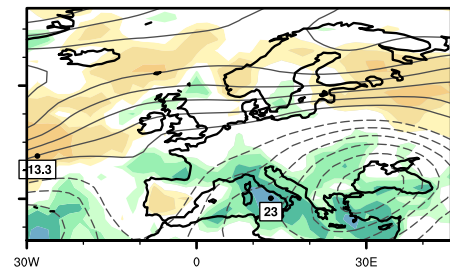
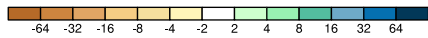
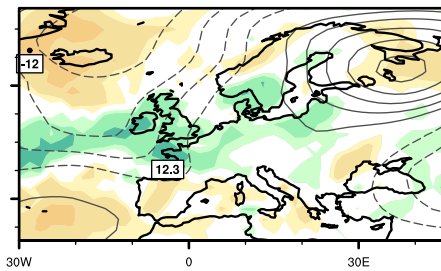
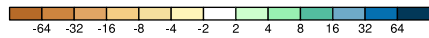
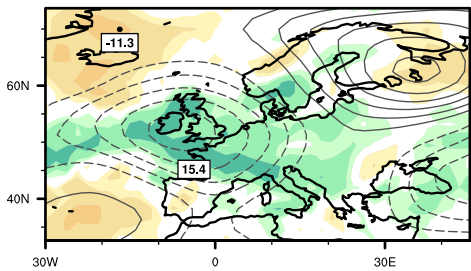
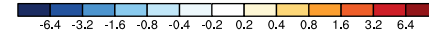
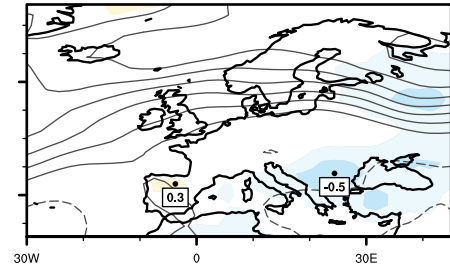
ModE-RA



ModE-Sim

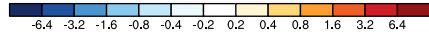
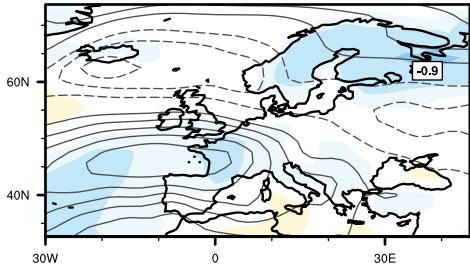


ModE-RAClim

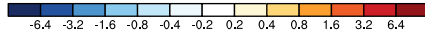
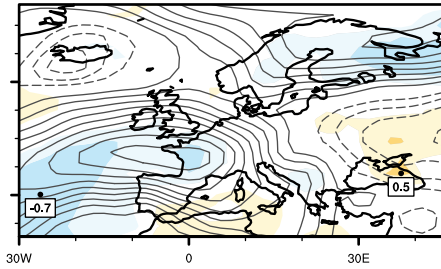


Autumn (SON) 1482

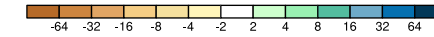
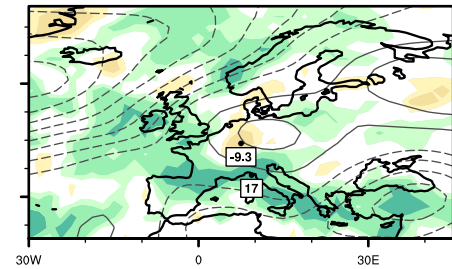
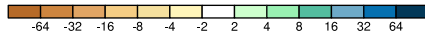
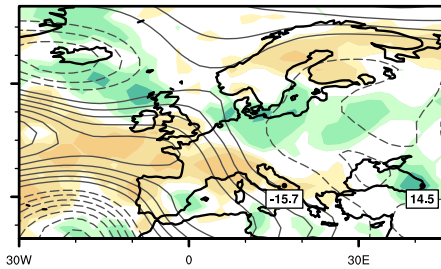
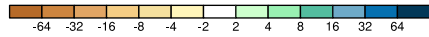
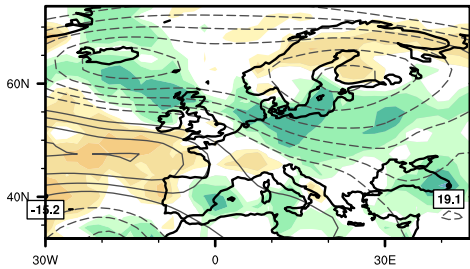
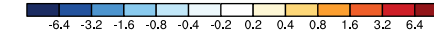
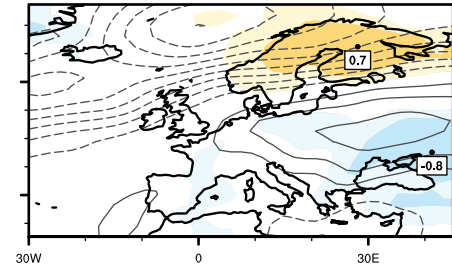
ModE-RA



ModE-Sim

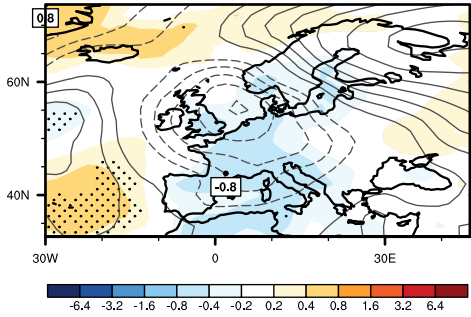


ModE-RAClim

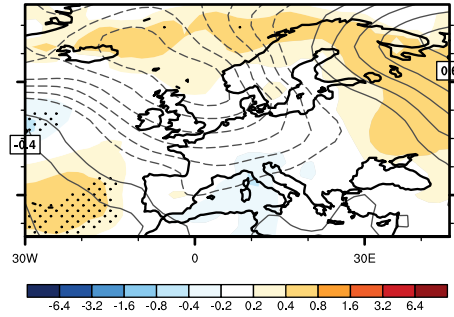


Autumn (SON) 1495

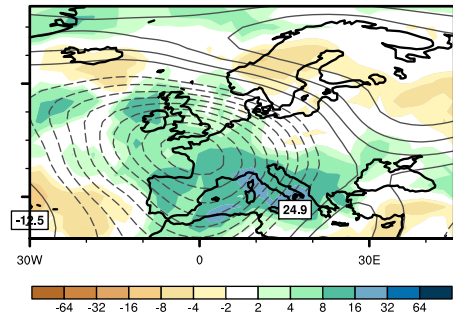
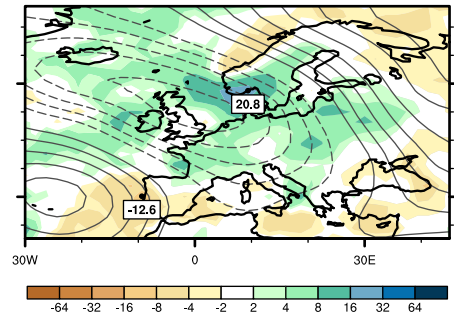
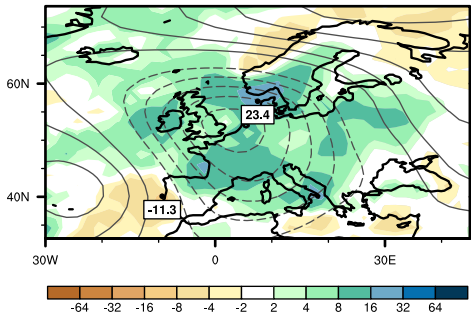
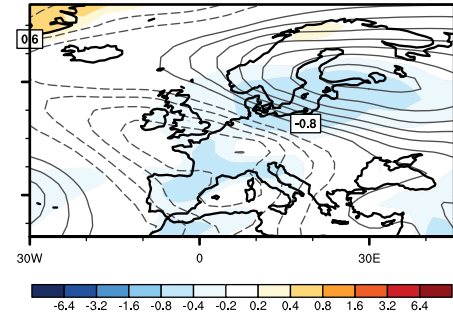
ModE-RA



ModE-Sim

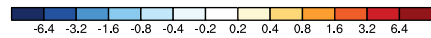
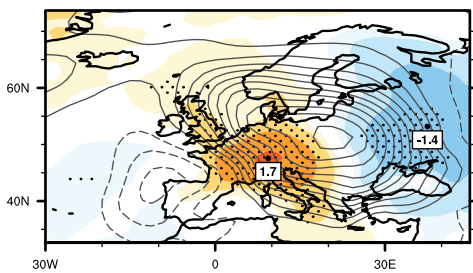


ModE-RAClim

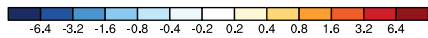
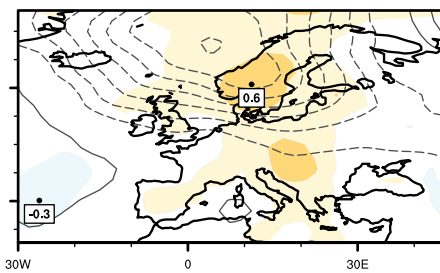


Autumn (SON) 1536

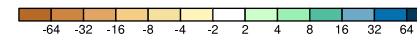
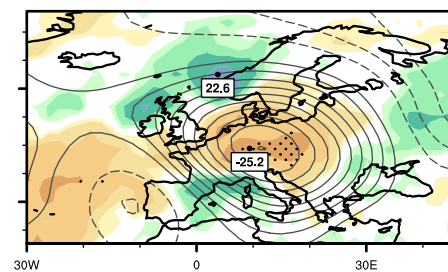
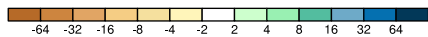
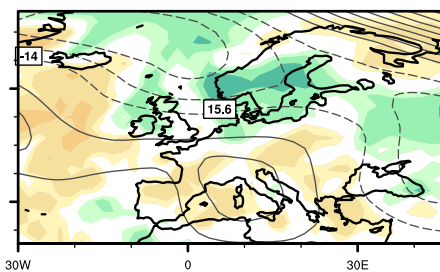
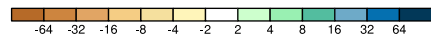
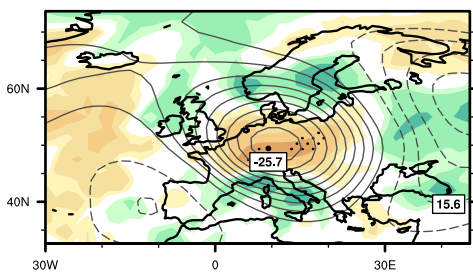
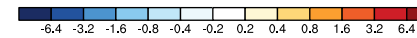
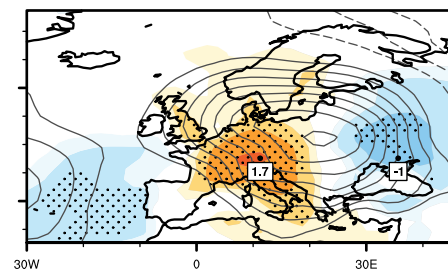
ModE-RA



ModE-Sim

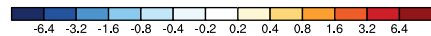
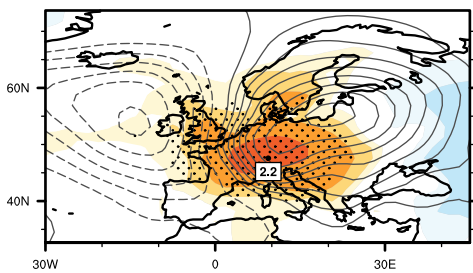


ModE-RAClim

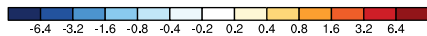
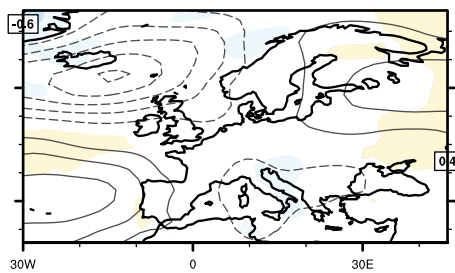


Autumn (SON) 1540

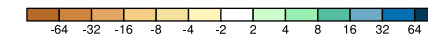
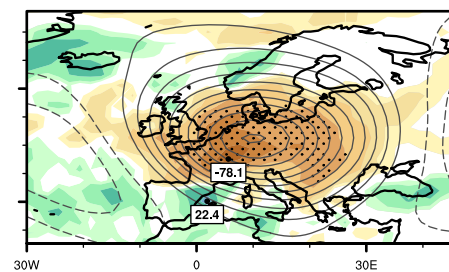
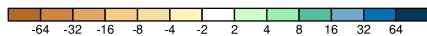
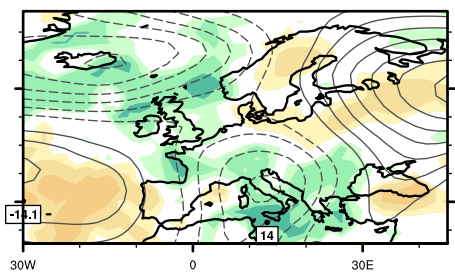
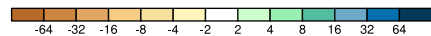
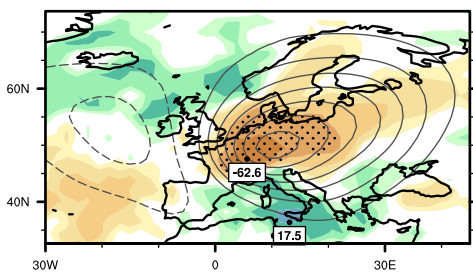
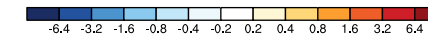
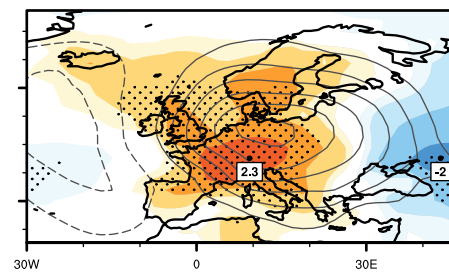
ModE-RA



ModE-Sim

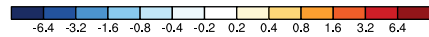
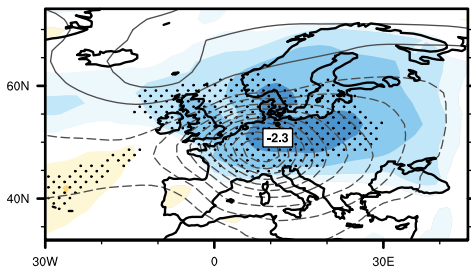


ModE-RAClim

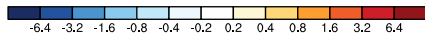
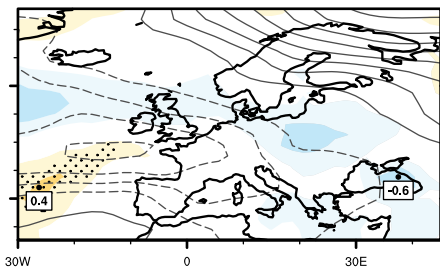


Autumn (SON) 1579

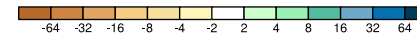
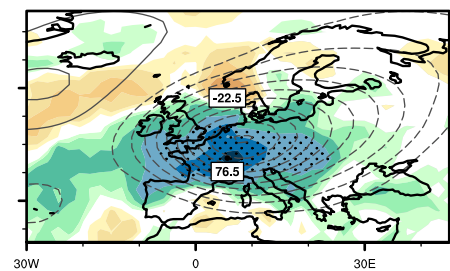
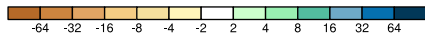
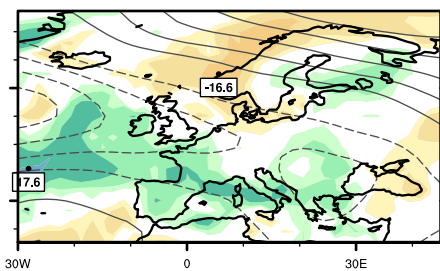
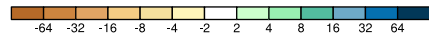
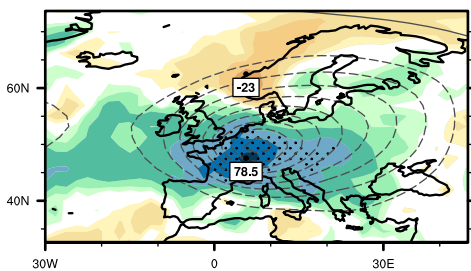
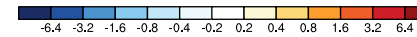
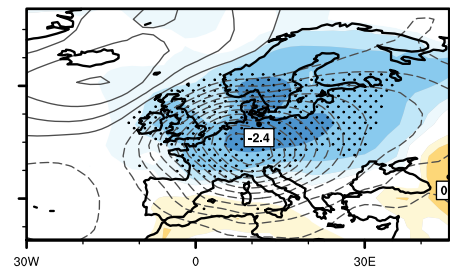
ModE-RA



ModE-Sim

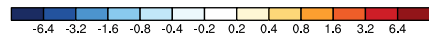
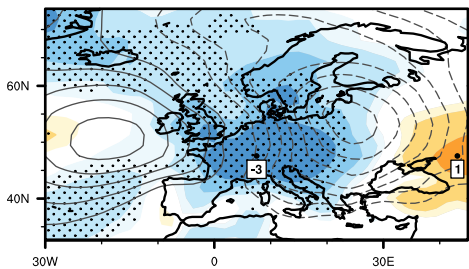


ModE-RAClim

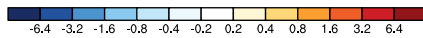
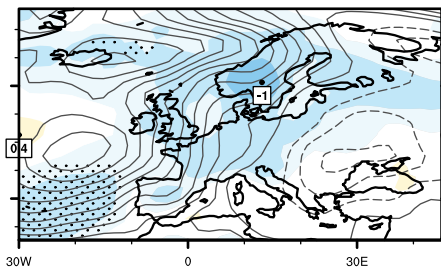


Autumn (SON) 1597

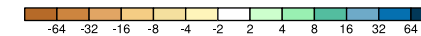
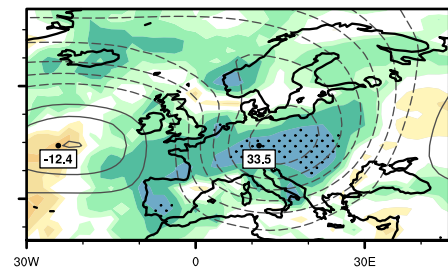
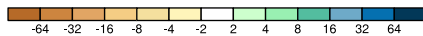
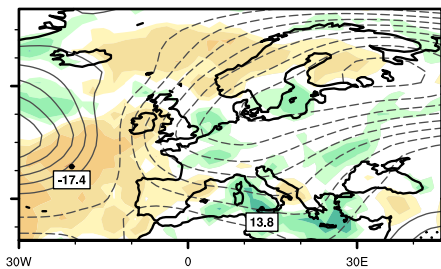
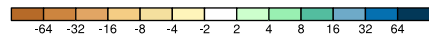
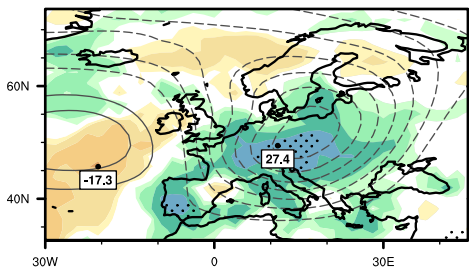
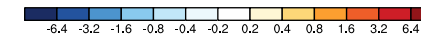
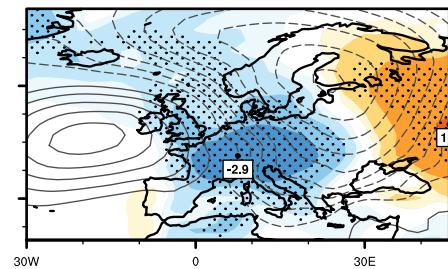
ModE-RA



ModE-Sim

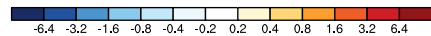
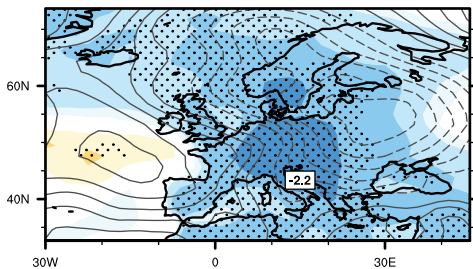


ModE-RAClim

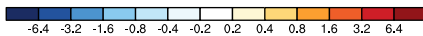
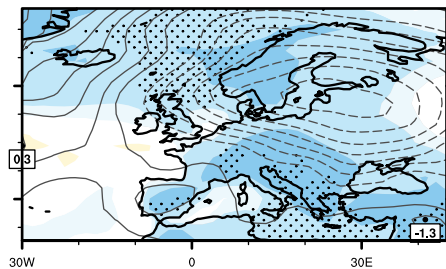


Autumn (SON) 1601

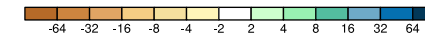
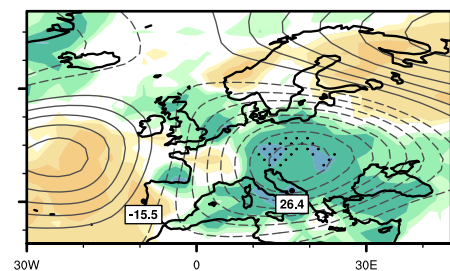
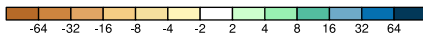
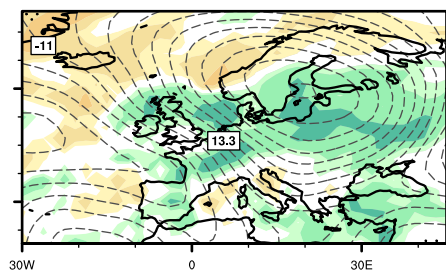
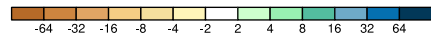
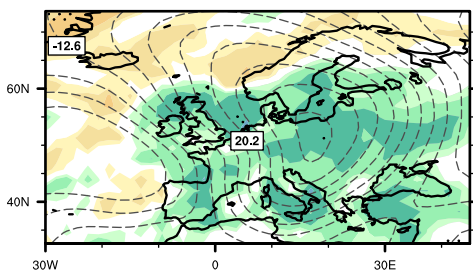
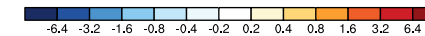
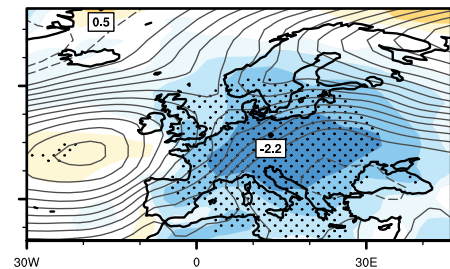
ModE-RA



ModE-Sim

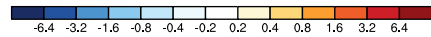
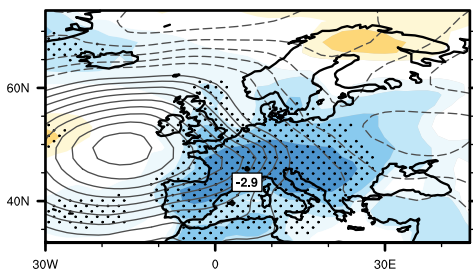


ModE-RAClim

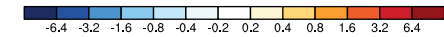
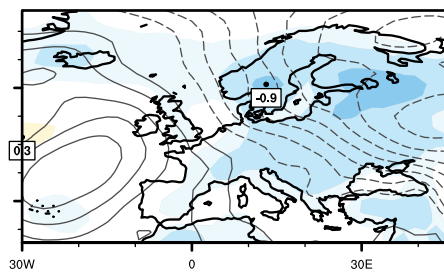


Autumn (SON) 1676

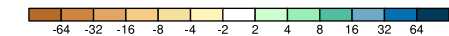
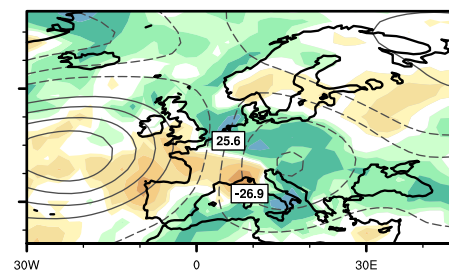
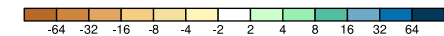
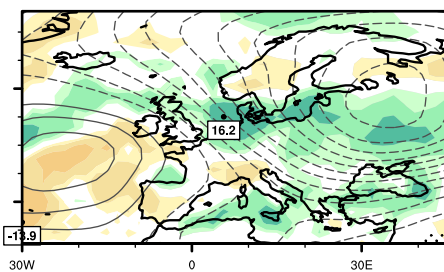
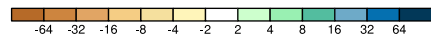
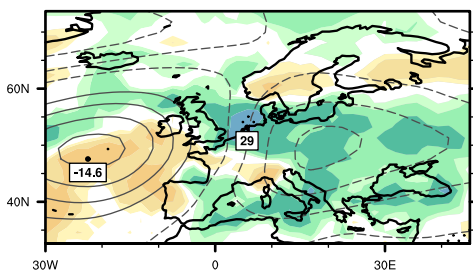
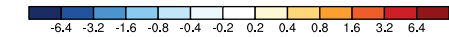
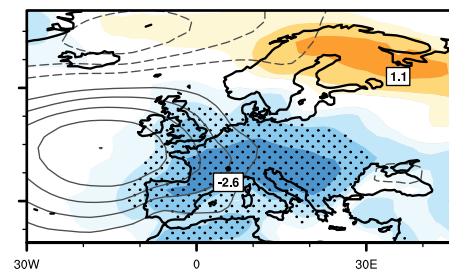
ModE-RA



ModE-Sim

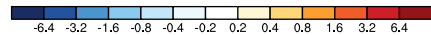
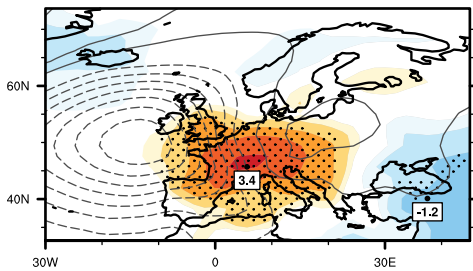


ModE-RAClim

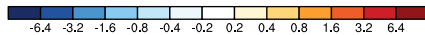
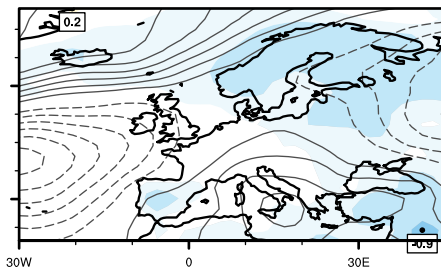


Autumn (SON) 1680

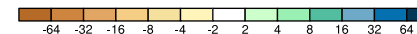
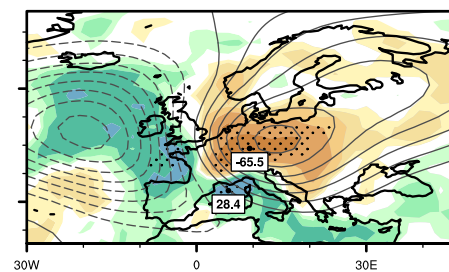
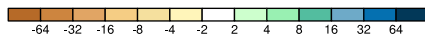
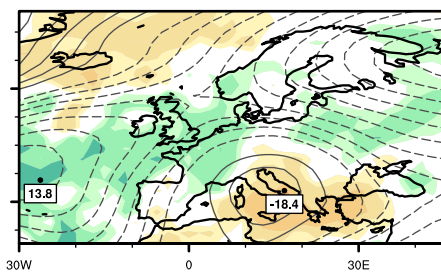
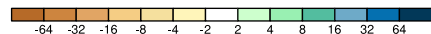
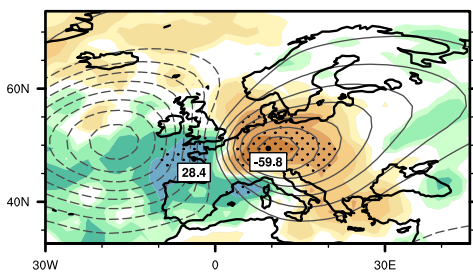
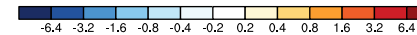
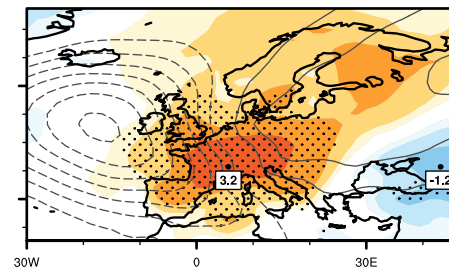
ModE-RA



ModE-Sim

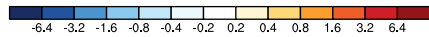
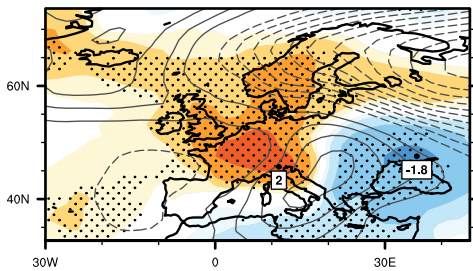


ModE-RAClim

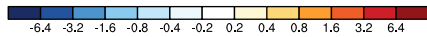
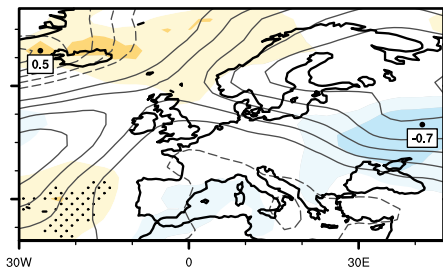


Autumn (SON) 1731

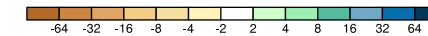
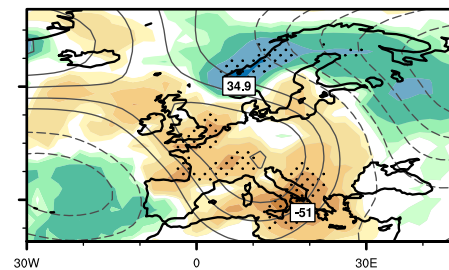
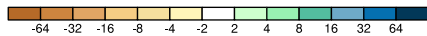
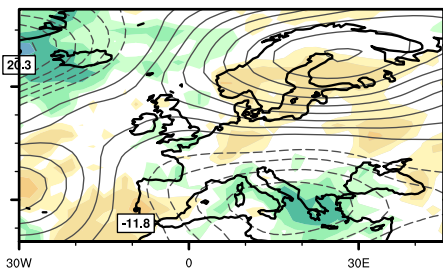
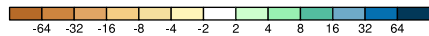
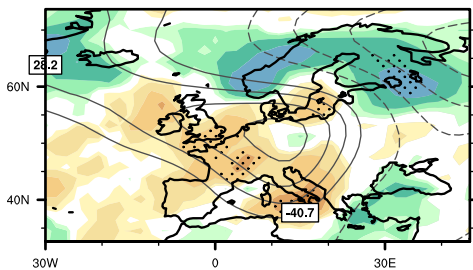
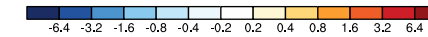
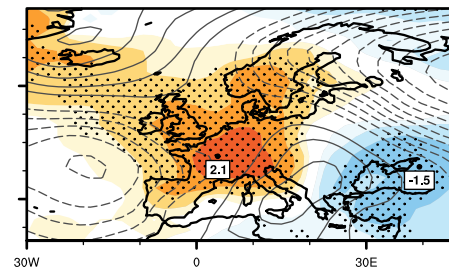
ModE-RA



ModE-Sim

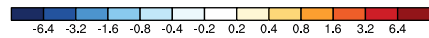
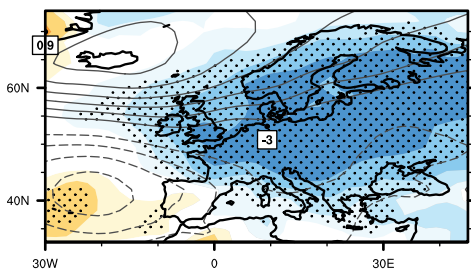


ModE-RAClim

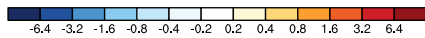
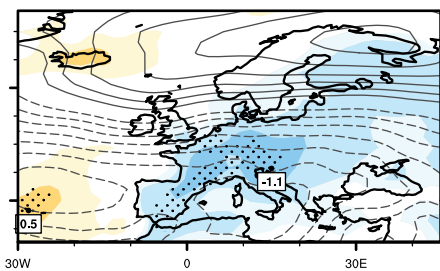


Autumn (SON) 1786

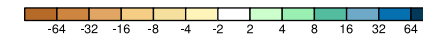
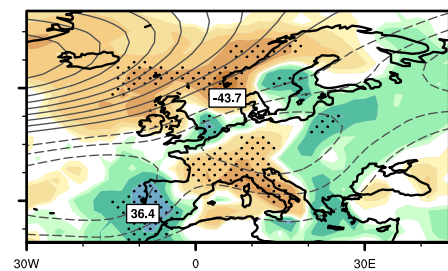
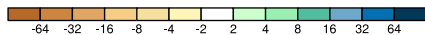
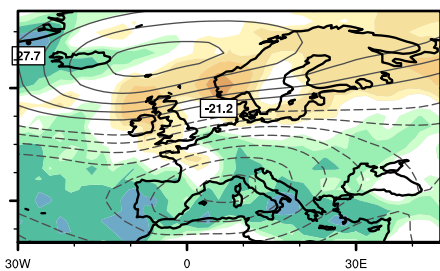
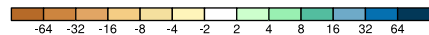
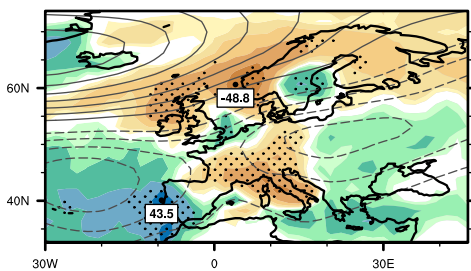
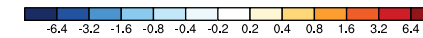
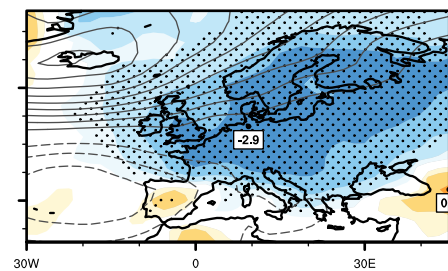
ModE-RA



ModE-Sim

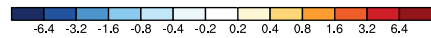
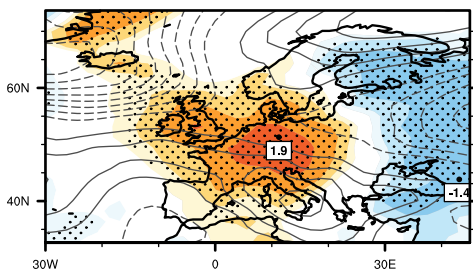


ModE-RAClim

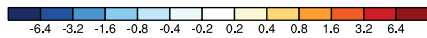
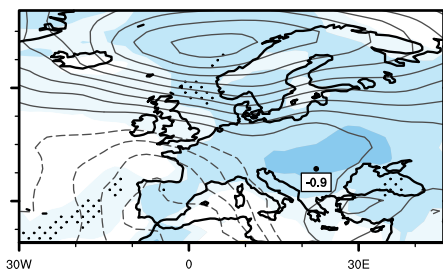


Autumn (SON) 1811

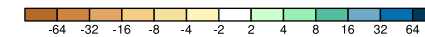
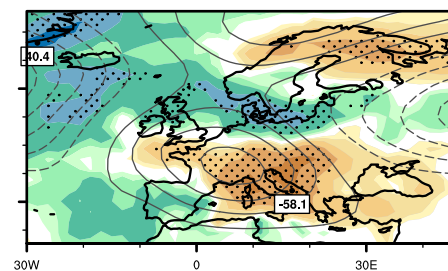
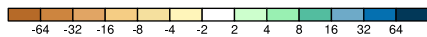
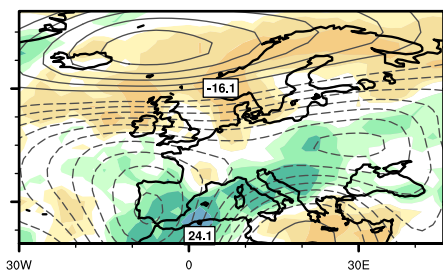
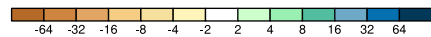
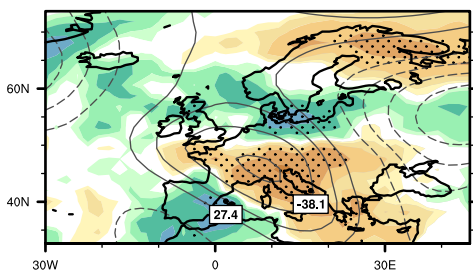
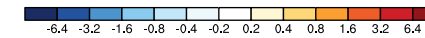
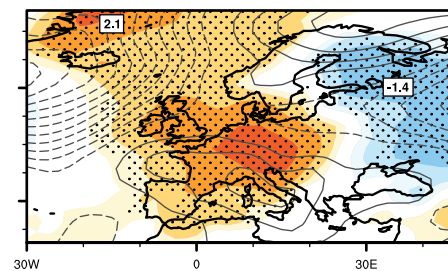
ModE-RA



ModE-Sim

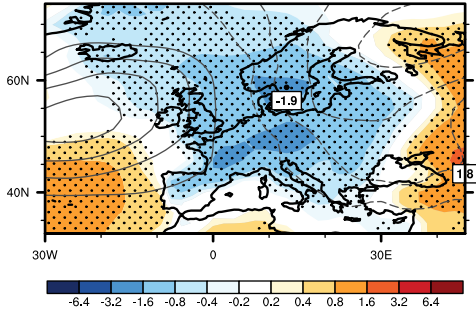


ModE-RAClim

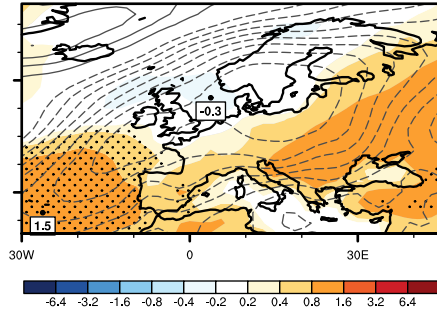


Autumn (SON) 1829

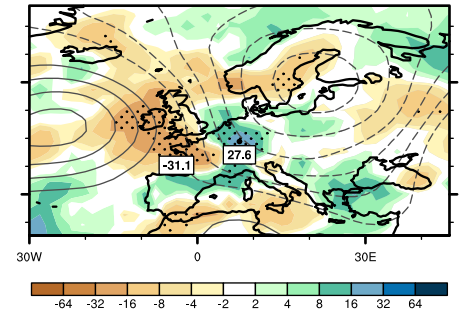
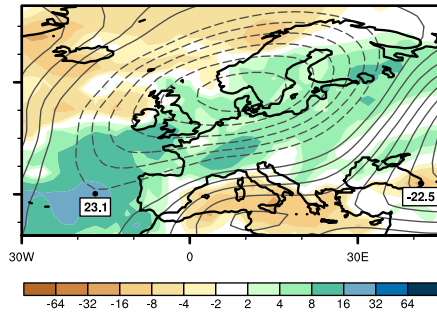
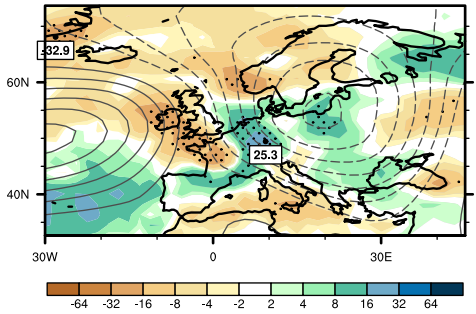
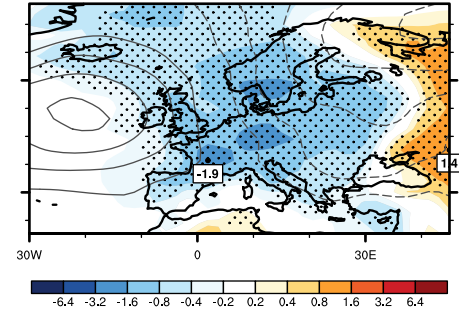
ModE-RA



ModE-Sim

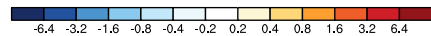
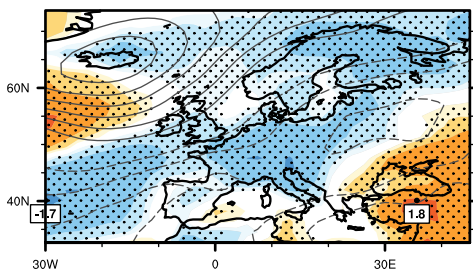


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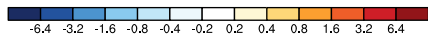
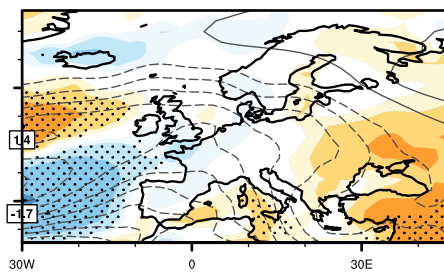


Autumn (SON) 1842

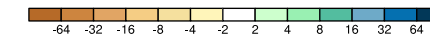
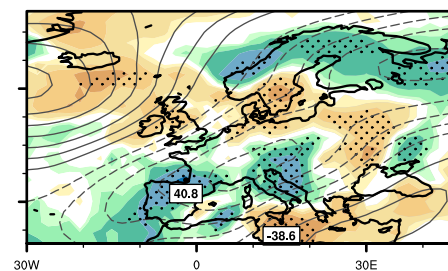
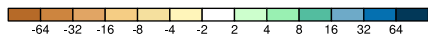
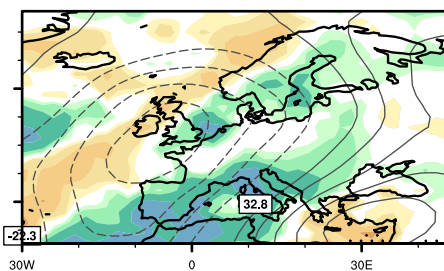
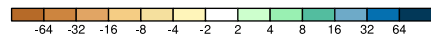
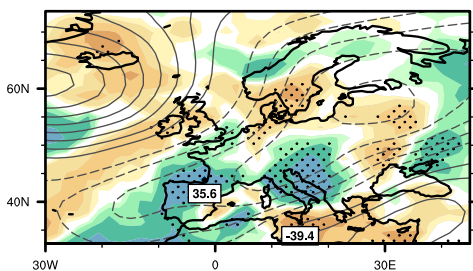
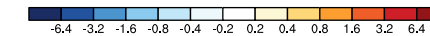
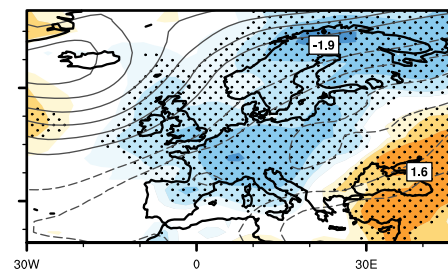
ModE-RA



ModE-Sim

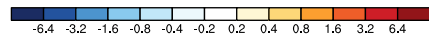
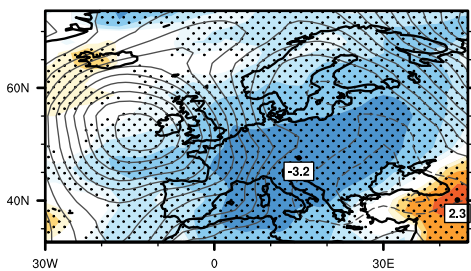


ModE-RAClim

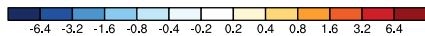
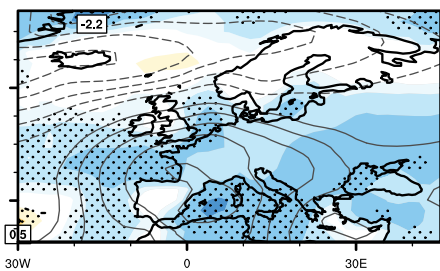


Autumn (SON) 1912

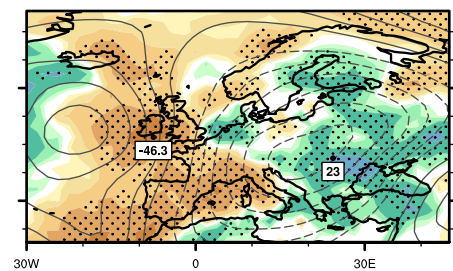
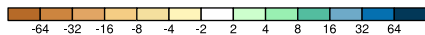
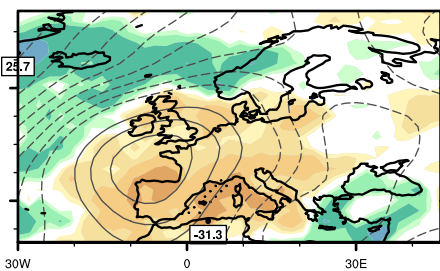
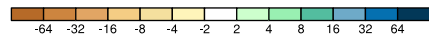
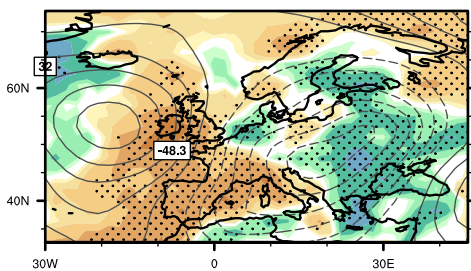
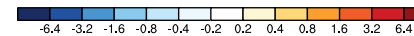
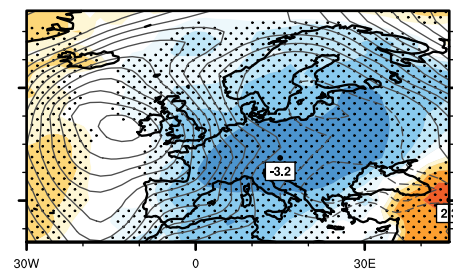
ModE-RA



ModE-Sim

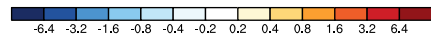
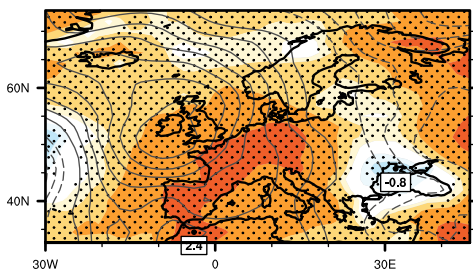


ModE-RAClim

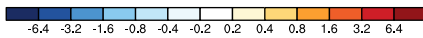
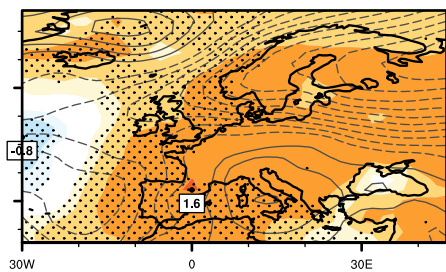


Autumn (SON) 1947

ModE-RA



ModE-Sim



ModE-RAClim

