

- [28-May-2013]. **Inhomogeneities in maximum temperature data from System4 hindcast:** The figure below shows 7-months long forecasts (January-to-July) of maximum temperature issued the first of January (thus leadtime = 0). Blue lines correspond to the multi-member (15 members) ensemble mean averaged over two different illustrative regions (the Iberian Peninsula on the left and East Africa on the right) for the thirty-years hindcast period 1981-2010. As can be seen, there is a systematic jump (of up to more than 1°C in the Iberian Peninsula) every two months since the initialization date (thus the 2nd of March, May and July). This also occurs for other initialization dates and locations (e.g. hemispheric averages).

Maximum Temperature: MME System4 (15 members)
JFMAMJJ (1981-2010) - First of January Initialization

Iberian Peninsula (0.75°)

East Africa (0.75°)

