Verification
SON 2007 –DJF 2008 – MA 2008
COSMO ME - COSMO I2

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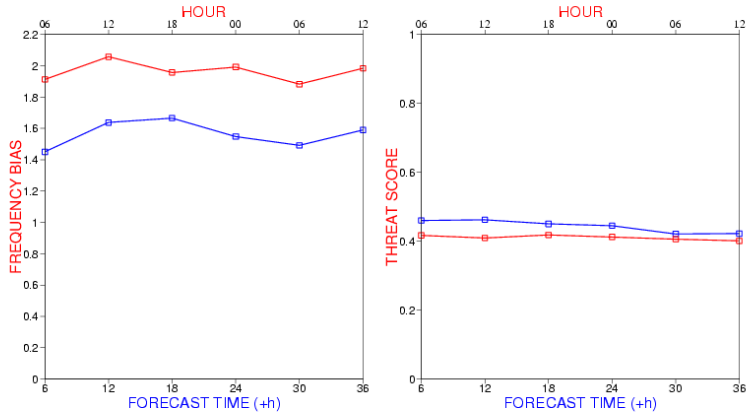
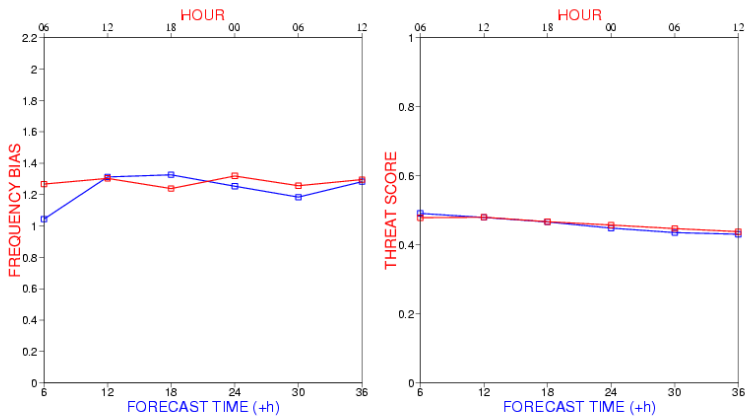
September October November 2007
Cosmo- Me Cosmo - IT

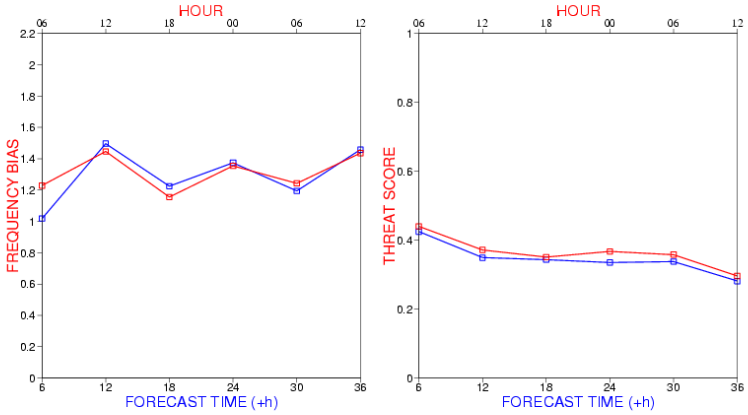
6h ACCUMULATED PRECIPITATION (> 0 mm) - 00 UTC RUN
Verification from 01/09/07 to 30/11/07
COSMO-ME: Blue COSMO-IT: Red



6h ACCUMULATED PRECIPITATION (> 0.1 mm) - 00 UTC RUN
Verification from 01/09/07 to 30/11/07
COSMO-ME: Blue COSMO-IT: Red

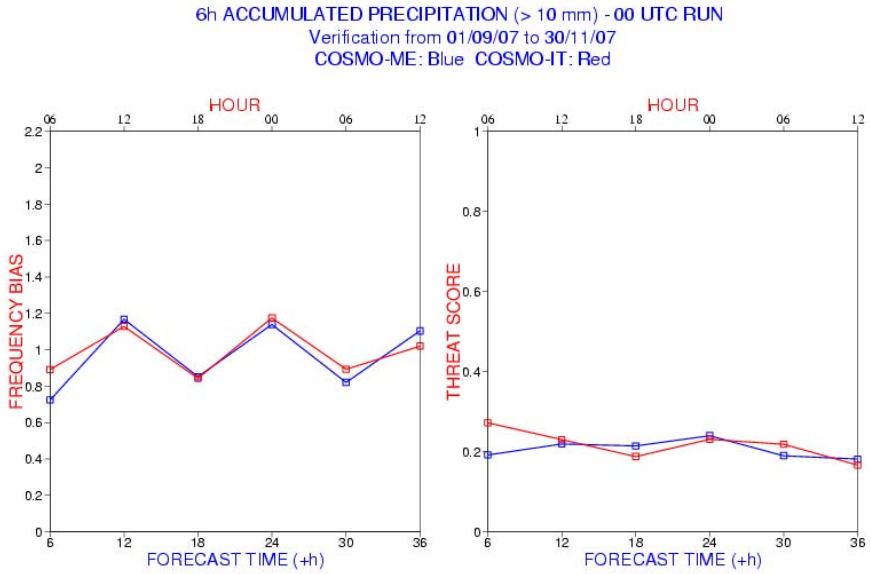


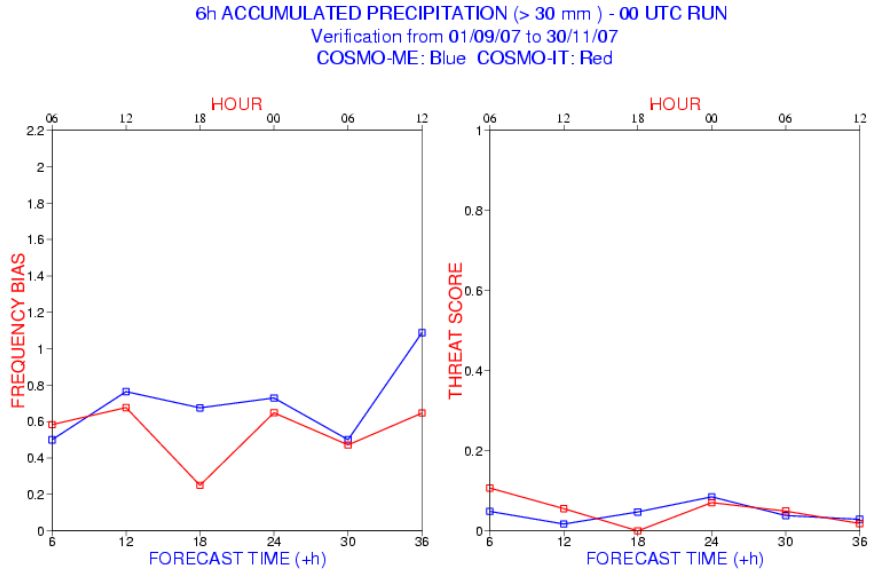
6h ACCUMULATED PRECIPITATION (> 2 mm) - 00 UTC RUN
Verification from 01/09/07 to 30/11/07
COSMO-ME: Blue COSMO-IT: Red



C-IT tends to be more noisy than C-ME
But when the threshold starts to increase
He behaves better

September October November
Cosmo IT

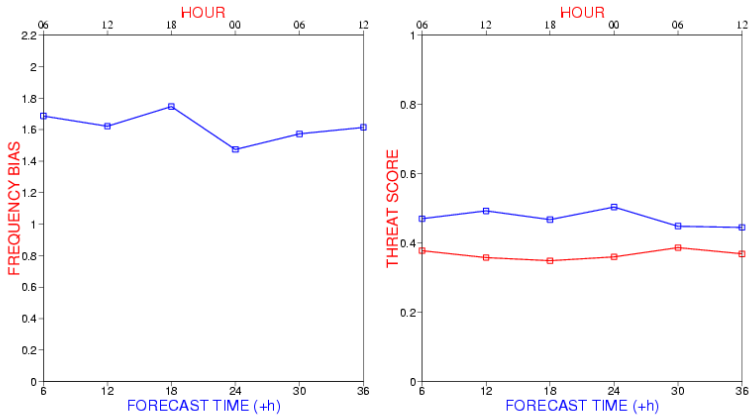




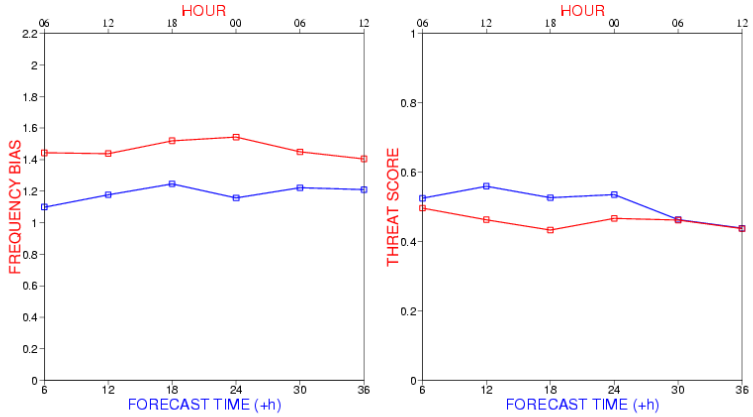
When thresholds start to be to higher the behaviour is comparable
But the sample is going to be probably to small and the contingency table has no sense anymore (new score for extreme events?)

December January February
Cosmo Me - Cosmo IT

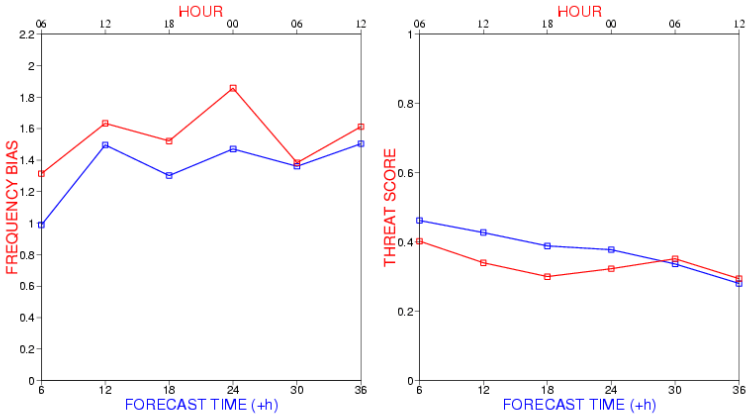
6h ACCUMULATED PRECIPITATION (> 0 mm) - 00 UTC RUN
Verification from 01/12/07 to 29/02/08
COSMO-ME: Blue COSMO-IT: Red



6h ACCUMULATED PRECIPITATION (> 0.1 mm) - 00 UTC RUN
Verification from 01/12/07 to 29/02/08
COSMO-ME: Blue COSMO-IT: Red



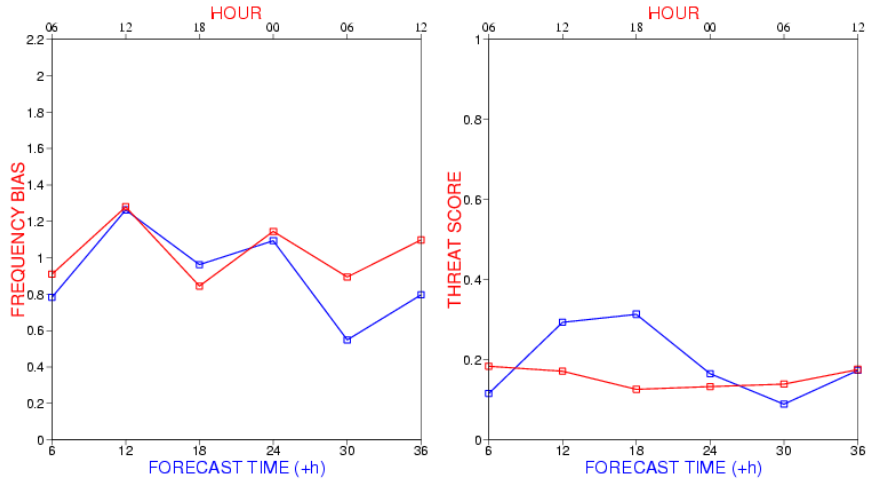
6h ACCUMULATED PRECIPITATION (> 2 mm) - 00 UTC RUN
Verification from 01/12/07 to 29/02/08
COSMO-ME: Blue COSMO-IT: Red



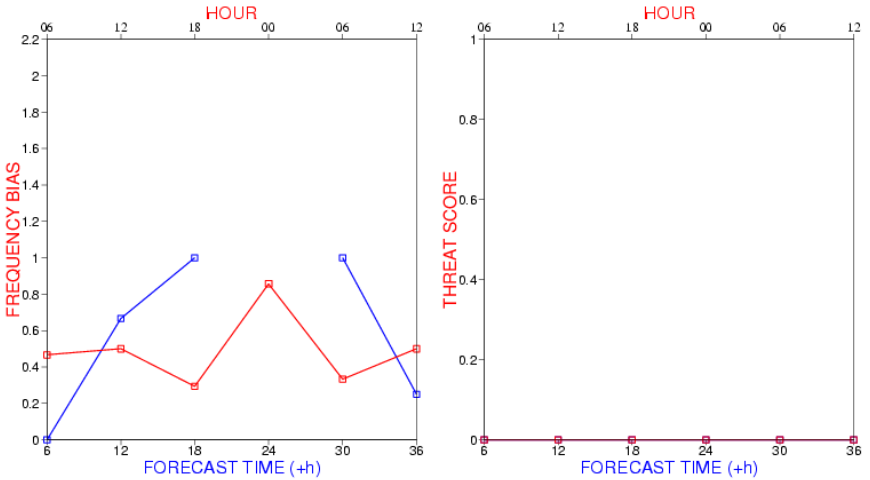
In winter the performance of C-IT seems
To be generally worse

December January February
Cosmo-Me Cosmo IT

6h ACCUMULATED PRECIPITATION (> 10 mm) - 00 UTC RUN
Verification from 01/12/07 to 29/02/08
COSMO-ME: Blue COSMO-IT: Red

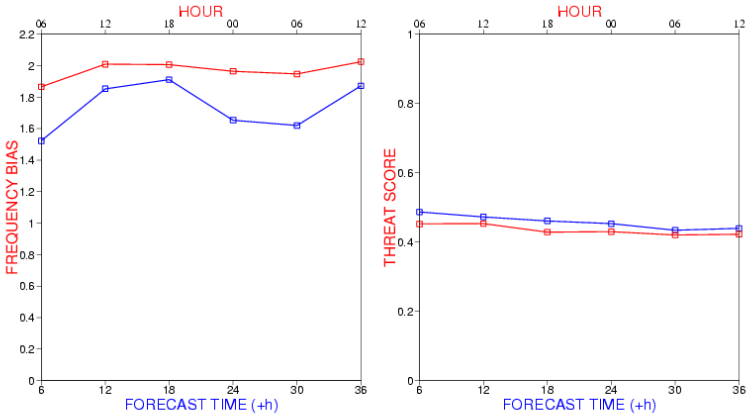


6h ACCUMULATED PRECIPITATION (> 30 mm) - 00 UTC RUN
Verification from 01/12/07 to 29/02/08
COSMO-ME: Blue COSMO-IT: Red

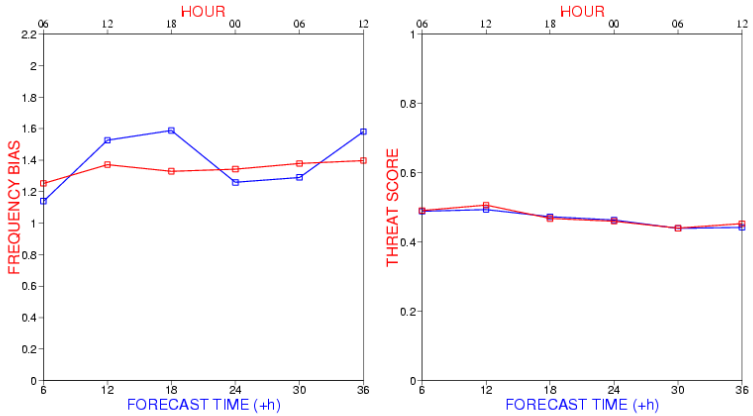


March April
Cosmo Me Cosmo IT

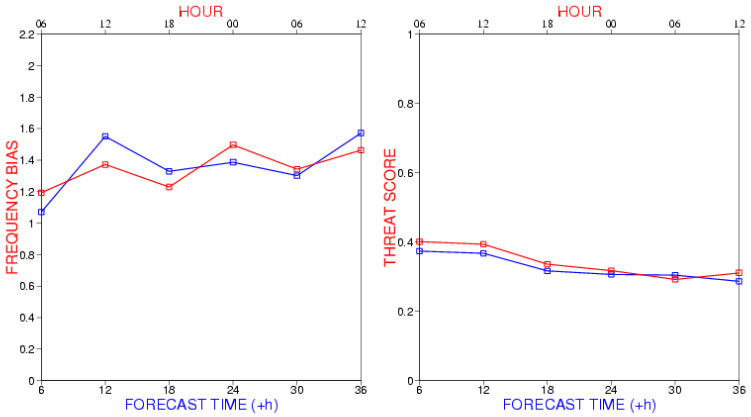
6h ACCUMULATED PRECIPITATION (> 0 mm) - 00 UTC RUN
Verification from 01/03/08 to 30/04/08
COSMO-ME: Blue COSMO-IT: Red



6h ACCUMULATED PRECIPITATION (> 0.1 mm) - 00 UTC RUN
Verification from 01/03/08 to 30/04/08
COSMO-ME: Blue COSMO-IT: Red



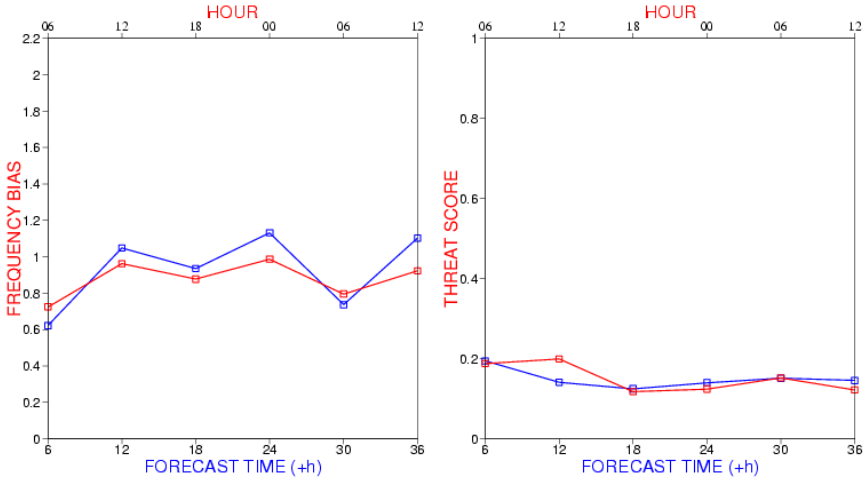
6h ACCUMULATED PRECIPITATION (> 2 mm) - 00 UTC RUN
Verification from 01/03/08 to 30/04/08
COSMO-ME: Blue COSMO-IT: Red



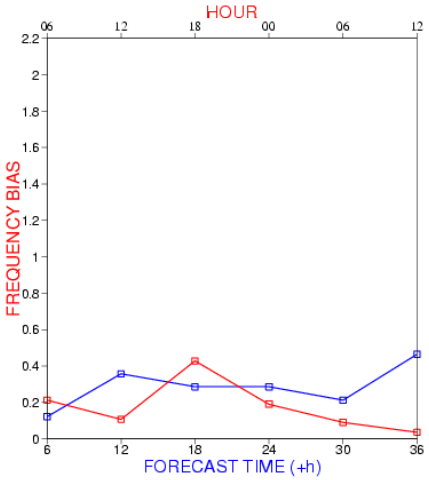
In this part of the spring the results recall what we had during autumn

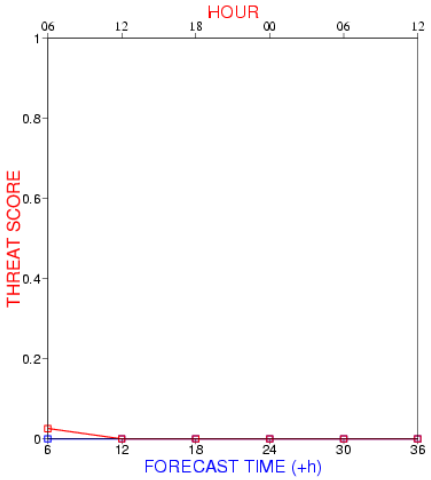
March April
Cosmo IT

6h ACCUMULATED PRECIPITATION (> 10 mm) - 00 UTC RUN
Verification from 01/03/08 to 30/04/08
COSMO-ME: Blue COSMO-IT: Red



6h ACCUMULATED PRECIPITATION (> 30 mm) - 00 UTC RUN
Verification from 01/03/08 to 30/04/08
COSMO-ME: Blue COSMO-IT: Red





Cosmo Me Cosmo IT Comparison Conclusion

• From this comparison and the one I showed during last GM parallel session Cosmo- Me and Cosmo-IT upscaled tends to have a better behaviour for “middle” thresholds, worse for very low ones and almost the same for very high thresholds

• Results seem to be different for different period and weather situation (winter 2007 dominated by weahter situation from North)