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## **Comparing cyclones in the North Atlantic and in the Mediterranean**

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This contribution analyses, on the basis of the ERA-40 data, the evolution of cyclones in the Mediterranean and their characteristics in relation to those in the North Atlantic. The presentation has mainly a methodological values and aims to investigate the consistency of analysis based on different variables: storm track intensity, sea level pressure minima, depth of cyclone minima, vorticity, pressure gradient, size, duration. Differences in depth are much larger than in vorticity, and size, implying a quite different scaling of these quantities with the pressure minima in the Mediterranean with respect with the Atlantic region. Storm track has been increasing in the North Atlantic and European region, decreasing in the Mediterranean. The timeseries of other quantities present diversified and complicated trends.