

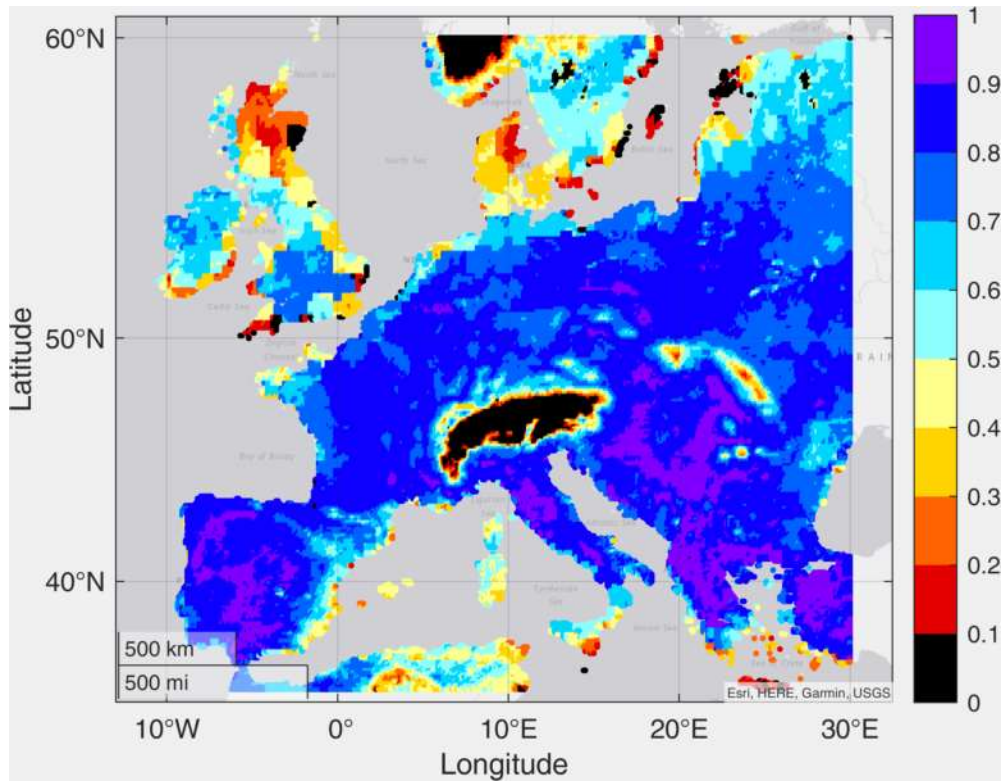


Figure S1 Correlation between ERA5L based TWS and GRACE based TWS

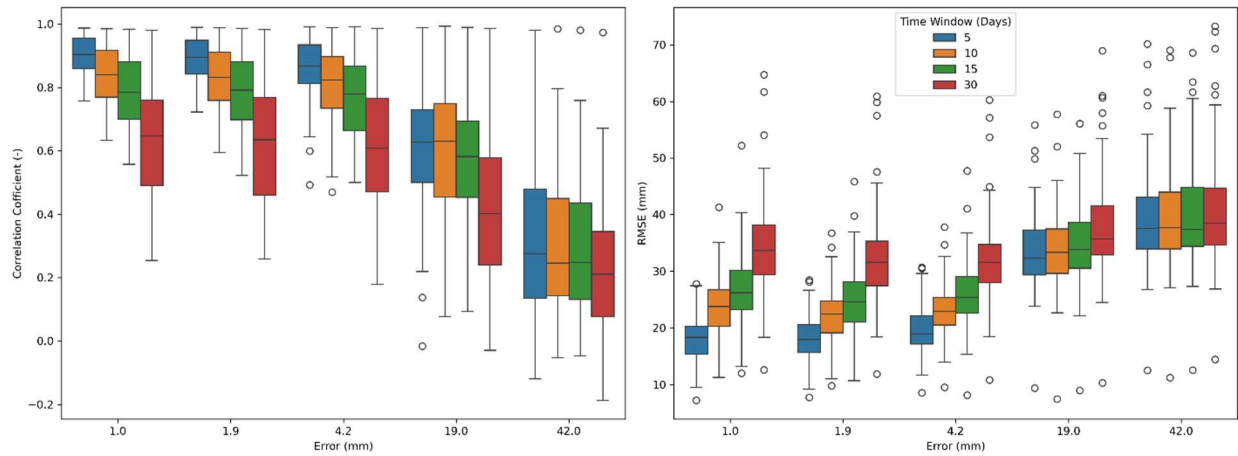


Figure S2 Daily Boxplots of correlation coefficient (CC), root mean square error (RMSE) of 100 grid points randomly selected over Europe at four time windows (5, 10, 15 and 30) with an error of 1.9 mm, 4.2 mm, 19 mm and 42 mm for estimating 30-day precipitation for the period 2003-2012.