



## SOFOG3D Flux data processing comparison

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- We have 2 différents eddy-covariance measurements systems with 2 different processing managed by CNRM and Met Office
- Eddy-covariance data-processing can generate differences in the turbulent produced variables
- First aim is to evaluate uncertainties due to flux processing between SOFOG3D sites





## Méthodology









SOFOG3D UKMO-LE COUYE covariances comparison from 01/12/2019 to 11/12/2019





SOFOG3D flux data processing comparison- W. Maurel 07/06/2021







SH Flux : +1 %



but more scattered



Ustar : -6 %





## **Conclusion and discussion**

- First evaluation of uncertainties due to processing are between 1 and 6 %
- More scattered for latent heat flux



Data analysis have to take in account these uncertainties



Continue this work in order to minimize processing uncertainties ( understanding of differences, agreement about a same way to process, ...) ?



