



Comparing estimates of primary productivity from time series of Remote Sensing images and eddy covariance tower measurements in the Pyrenees

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Estimates of primary productivity derived from Remotely Sensed imagery can be compared to estimates derived from eddy covariance tower measurements thanks to the fact that both are based on canopy-level measurements, thus avoiding the complexity of scaling-up between leaf to canopy levels. Understanding the relationship between RS-based and tower-based estimates of primary productivity is important to validate and eventually modify regional estimates of Carbon assimilation derived from Remote Sensing. In this contribution we present a comparison between estimates of primary productivity derived from time series of coarse and high spatial resolution satellite imagery and estimates derived from eddy covariance tower measurements in the Pyrenees. We also present our work to acquire consistent time series of high resolution imagery from low-cost systems aboard light aerial platforms.