

Task 2.2: characterization of spatial heterogeneities (leader: CESBIO).



INRGREF activities

- Landscape scale heterogeneities induced by soil, topography and canopies.
 - Targets: water fluxes in heterogeneous landscapes.
 - Methodological innovations: joint use of eddy covariance data at sub-catchment scales (few tenths of hectares), of scintillometry data across field transects, and of remote sensing data with embedded metric to kilometric resolutions → analysis of spatiotemporal dynamics.
 - Partners: INRGREF, SUPCOM, CESBIO, LISAH, UCAM , UNICA, IRTA.
 - Study areas: Cap Bon, Merguellil, Tensift, Segre, Orroli.

Eddy covariance at subcatchment

Flux tower at Kamech watershed hilly topography since 2010

Only sensible heat and latent heat are measured, gaps in latent heat, need of gap filling,

Need a deep analysis of the footprint of the flux tower EC in order to obtain the net radiation from remote sensing for the suitable area? (This could be done in ALTOS)