

## Metafile of DATASET from Task 2.1

Name of the dataset (or short description)	Site	Partners
Tree geometry : density, height and roughness, crown size, row spacing / direction, profiles of fraction cover and leaf area index, remote sensing data	Segre (SP)	UCAM, CESBIO, IRTA
3D description aquifer structure : geo-electrical methods, electromagnetic sounding, and stable isotopes	Cap Bon (TN)	CERTE, LISAH
Reservoirs geometry : bathymetry and volume range, remote sensing data	Cap Bon (TN)	LISAH, LARI, CNRS-L
Land use : field delineation, land use and land cover, crop rotation, remote sensing data	Cap Bon (TN)	INAT, INRGREF, LISAH, LISAH, UCAM, CESBIO, LARI
Crop biomass : times series of biophysical variables and final yield, remote sensing data	Cap Bon (TN)	SUPCOM, INRGREF
Surface hydrological connectivities	Segre (SP)	INRGREF, LISAH, IRTA, UNICA
Surface hydrological connectivities	Orroli (IT)	INRGREF, LISAH, IRTA, UNICA
Evapotranspiration, soil moisture and crop growth : eddy covariance / sap flow / isotopic measurements / remote sensing data	Segre (SP)	INRGREF,SUPCOM,CESBIO, LISAH,UCAM,UNICA,IRTA
Evapotranspiration, soil moisture and crop growth : eddy covariance / sap flow / isotopic measurements / remote sensing data	Orroli (IT)	INRGREF,SUPCOM,CESBIO, LISAH,UCAM,UNICA,IRTA
dam water budget and underlying leaks towards aquifer; subsurface flows and soil hydrodynamics for slopping terrains that link mountains to lowlands	Cap Bon (TN)	CERTE, LISAH, CNRS-L, UCAM, CESBIO, UNICA
water fluxes in discontinuous canopies, subsurface hydraulic redistribution : sap flow sensors, isotopic tracing, eddy-covariance and in situ remote sensing	Segre (SP)	INAT, CESBIO, UNICA, IRTA
water fluxes in discontinuous canopies, subsurface hydraulic redistribution : sap flow sensors, isotopic tracing, eddy-covariance and in situ remote sensing	Orroli (IT)	INAT, CESBIO, UNICA, IRTA
Landscape scale heterogeneities induced by soil, topography and canopies : eddy covariance data, scintillometry data, remote sensing data	Cap Bon (TN)	INRGREF, SUPCOM, CESBIO, LISAH, UCAM, UNICA, IRTA
Landscape scale heterogeneities induced by soil, topography and canopies : eddy covariance data, scintillometry data, remote sensing data	Segre (SP)	INRGREF, SUPCOM, CESBIO, LISAH, UCAM, UNICA, IRTA
Landscape scale heterogeneities induced by soil, topography and canopies : eddy covariance data, scintillometry data, remote sensing data	Orroli (IT)	INRGREF, SUPCOM, CESBIO, LISAH, UCAM, UNICA, IRTA
water fluxes within heterogeneous rotating systems and/or drip irrigation orchards	Orroli (IT)	INAT UNICA CESBIO IRTA

surface atmosphere exchanges within heterogeneous/ multistrata crops and above hilly	Cap Bon (TN)	INRGREF, LISAH, INAT, UCAM, CESBIO, UNICA, IRTA
surface atmosphere exchanges within heterogeneous/ multistrata crops and above hilly	Orroli (IT)	INRGREF, LISAH, INAT, UCAM, CESBIO, UNICA, IRTA

**Note:** The datasets generated during and/or analyzed during the current ALTOS project are not available because they are used in a current PhD and not yet published.