

Mediterranean Environment and Modelling of Agro-hydrosystems

The research carried out by the unit mainly concern transfers of mass (water, gases, solutes, particles) and energy in the groundwater-soil-plant-atmosphere continuum, the linking of transport processes and biogeochemical cycles, the water balance and vegetation growth in cultivated ecosystems in relation to climate and soil properties and farming practices. The target is the quantification of the environmental impact of overall changes (in climate, farming practices and land use) on the quantity and quality of underground water resources, soil degradation and agricultural production potential, mainly in the Mediterranean area.

The unit has and is coordinating several international programs, in particular in remote sensing: Alpilles-ReSeDa, CYCLOPES, VALERI and WATERMED. It has also participated in defining several probes and missions for observing the earth: SPECTRA, SMOS and others.

Environnement méditerranéen et modélisation des agrosystèmes (EMMAH)

Tél : 33(0)4 32 72 22 10 - Fax : 33(0)4 32 72 22 12

Inra PACA / Domaine Saint-Paul / Site Agroparc / 84914 Avignon cedex 9