

RESEARCH ACTIVITIES

Research interests:

Plant water use and global change - impacts and adaptation measures
Evapotranspiration and water use; crop irrigation requirements; deficit irrigation

Project participation:

2007 – present: Best management practices for deficit irrigation strategies in vineyards - water stress indicators and grape quality (PTDC/AGR-AAM/69848/2006).

2006 – 2009: Mediterranean woody species of 'montados': surviving the drought (POCI/AGR/59152/2004).

2005 – 2008: CARBOEUROPE – Assessment of the European terrestrial carbon balance (GOCE – CT – 2003 - 505572). (<http://www.carboeurope.org/>).

2007 – 2008: PRECIRIEG - Réseau d'actions concertées en horticulture pour une conduite de l'irrigation précise et économique en eau en SUDOE (SO2/2.1/F28 SUDOE, INTERREG III B, SUDOE).

2001 – 2004: WATERUSE – Evaluation of alternative techniques for determination of water budget components in water – limited, heterogeneous land-use systems

(Energy, Environment and Sustainable Development Programme, EVK1-CT-2000-00079 WATERUSE, UE). (<http://www.isa.utl.pt/wateruse>).

2002 – 2004: Demonstration of sensors utilization and experimental processes to the determination of irrigation amounts and timing in actinidea. (Program AGRO – 8 – Action 8.1 – Experimental Development and Demonstration).

1997 – 2000: Innovative biological indicators to improve the efficiency of water and nitrogen use and the fruit quality in tree crops. (FAIR 1-CT-95-0030, UE) (<http://ec.europa.eu/research/agro/fair/en/es0030.html>).