

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

2011 – present (PTDC/AGR-PRO/111717/2009)

H2Olive3S - Integration of in situ biophysical information on crop and land surface with remotely sensed observations to model olive water use and irrigation scheduling at local and regional scales – coordinator of ISA's team

2010 – present (PTDC/AGR-AAM/104562/2008)

FUTUROLIVE - Repercussions of climate change on yield and quality of olive oil

2010 – present (PTDC/AAC-AMB/100635/2008)

WUSSIAAME- Water use, survival strategies and impact of agrochemicals on water resources in agricultural Mediterranean ecosystems

2007 – 2010 PTDC/AGR-AAM/69848/2006

Best management practices for deficit irrigation strategies in vineyards - water stress indicators and grape quality

2006 – 2009 POCI/AGR/59152/2004

Mediterranean woody species of 'montados': surviving the drought

2005 – 2008 GOCE – CT – 2003 - 505572

CARBOEUROPE – Assessment of the European terrestrial carbon balance

2007 -2008 SO2/2.1/F28 SUDOE, INTERREG III B, SUDOE

PRECIRIEG - Réseau d'actions concertées en horticulture pour une conduite de l'irrigation précise et économique en eau en SUDOE

2001 - 2004 EVK1-CT-2000-00079 WATERUSE, UE

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

2002 – 2004 AGRO 8–8.1 – Exp. Dev. & Dem.

Demonstration of sensors utilization and experimental processes to the determination of irrigation amounts and timing in actinidea

1997 – 2000 FAIR 1-CT-95-0030, UE

Innovative biological indicators to improve the efficiency of water and nitrogen use and the fruit quality in tree crops