



Figure 1. Location (a) and description (b) of the SIMPATICO monitoring system. The system (a) is located near the mouth of the Guadiana Estuary on the southern Iberian Peninsula (red star). The locations of the Alqueva dam (Alq.), estuary head (h), Pedrogão (PE) and Pulo do Lobo (PL) hydrographic stations are indicated. The equipment of the station (b) includes a multi-parametric probe and an acoustic Doppler current profiler (ADP).