



## **First year of results from a mooring over a Posidonia Oceanica seagrass meadow (Corsica, France)**

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We report the first year of results from a 10m deep mooring over a *Posidonia Oceanica* seagrass meadow (Corsica, France) where we deployed from August 2006 to August 2007 an array of 3 optodes, a fluorometer and a sensor for measurements of the partial pressure of CO<sub>2</sub> (pCO<sub>2</sub>). The oxygen data are used to compute by mass balance ecosystem metabolic performance rates (gross primary production, community respiration, net community production). The comparison with rates derived from discrete benthic incubations (every 2 months) is very satisfactory. The pCO<sub>2</sub> data are used to assess the sink or source of atmospheric CO<sub>2</sub> of the *Posidonia Oceanica* seagrass meadow.