

## TITRES et TRAVAUX

### Publications dans des revues de rang A

- 25 - Davi H., Bouriaud O., Dufrène E., Soudani K., Pontailier J.-Y., le Maire G., François C., Bréda N., Granier A., Le Dantec V., 2006 - Effect of aggregating spatial parameters on modelling forest carbon and water fluxes. *Agricultural and Forest Meteorology* (sous presse).
- 24 - le Maire G., François C., Soudani K., Davi H., Le Dantec V., Saugier B., Dufrène E. 2006 - Forest LAI determination: A multi-year satellite-independent method based on within-stand NDVI spatial variability. *Journal of Geophysical Research*, **111**: (sous presse).
- 23 - Davi H., Dufrène E., François C., le Maire G., Lousteau D., Bosc A., Rambal S., Granier A., Moors E. 2006 - Sensitivity of water and carbon fluxes to climate changes from 1960 to 2100 in European forest ecosystems. *Agricultural and Forest Meteorology*, **141**: 35-56.
- 22 - Soudani K., François C., le Maire G., Le Dantec V., Dufrène E., 2006 - Comparative analysis of Ikonos, SPOT and ETM+ data for Leaf Area Index estimation in temperate coniferous and deciduous forest stands. *Remote Sensing of Environment*, **102**: 161-175.
- 21 - Davi H., Soudani K., Deckx T., Dufrène E., Le Dantec V., François C., 2006 - Estimation of forest Leaf Area Index from SPOT imagery using NDVI distribution over homogeneous forest stands. *International Journal of Remote Sensing*, **27**: 885-902.
- 20 - le Maire G., Davi H., Soudani K., François C., Le Dantec V., Dufrène E., 2005 - Modelling annual production and carbon dioxide fluxes of a large managed temperate forest using forest inventories, satellite data and field measurements. *Tree Physiology*, **25**: 859-872.
- 19 - Lousteau D., Bosc A., Colin A., Davi H., François C., Dufrène E., Dequé M., Cloppet E., Arrouays D., Le Bas C., Saby N., Pignard G., Hamza N., 2005 - Modelling the climate change effects on the potential production of French plain forests at the sub regional level. *Tree Physiology*, **25**: 813-823.
- 18 - Davi H., Dufrène E., Granier A., Le Dantec V., Barbaroux C., François C., Bréda N., 2005 - Modelling carbon and water cycles in a Beech forest. Part II: Validation of the main processes from organ to stand scale. *Ecological Modelling*, **185**: 387-405.
- 17 - Dufrène E., Davi H., François C., le Maire G., Le Dantec V., Granier A., 2005 - Modelling carbon and water cycles in a Beech forest. Part I: Model description and uncertainty analysis on modelled NEE. *Ecological Modelling*, **185**: 407-436.
- 16 - Gascon F., Gastellu-Etchegorry J.-P., Lefevre-Fonollosa M.-J., Dufrène E., 2004 - Retrieval of forest biophysical variables by inverting a 3-D radiative transfer model and using high and very high resolution imagery. *International Journal of Remote Sensing*, **25**(24): 5601-5616.
- 15 - le Maire G., François C., Dufrène E., 2004 - Towards universal deciduous leaf chlorophyll indices using PROSPECT simulated database and hyperspectral reflectance. *Remote Sensing of Environment*, **89**: 1-28.
- 14 - Barbaroux C., Bréda N., Dufrène E., 2003. - Distribution of aboveground and belowground carbohydrate reserves in adult trees of two contrasting broad-leaved species (*Quercus petraea* and *Fagus sylvatica*). *New Phytologist* **157**: 605-615.
- 13 - Ceschia E., Damesin C., Lebaube S., Pontailier J.-Y., Dufrène E., 2002 - Spatial and seasonal variations in stem respiration of beech trees (*Fagus sylvatica*). *Annals of Forest Science* **59**: 801-812.