

Interactive comment on “Analyzing the carbon dynamics in north western Portugal: calibration and application of Forest-BGC” by M. A. Rodrigues et al.

P. A. Robledo

pa.robledo@igme.es

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CO₂ analysis and measurements is so complex and the results are very difficult to interpret. In general, the paper is a good propose for regional study of the ecosystem roll in the CO₂ balance and exchange, as well as to understand better witch is the roll that plays ecosystem in the climate change and global warming. However, the study area is very small for support general conclusions and is not rigorous affirm that forests are acting as major sink of CO₂ because oceans and internal Earth system can trap or release much more volume of CO₂. However, in other hand, have not been referenced same important articles related, like Martin Heimann & Markus Reichstein,

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(2008), (Nature. 451/17. 289-292 pp) where they discussed the evidence of how the ecosystems will provide a positive feedback in a warming world albeit of uncertain magnitude, according CO2 Earth models. Moreover, concepts as positive, deficit and exchange should be included to improve the paper.

Interactive comment on Earth Syst. Dynam. Discuss., 1, 41, 2010.

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