**Geoscientific
Model Development
Discussions**

Interactive comment on "Plant functional type mapping for earth system models" *by* B. Poulter et al.

Anonymous Referee #2

Received and published: 21 October 2011

This study adressess a critical step in dynamical vegetation modelling: global validation of plant functional types with land cover data sets from remote sensing. They highlight the uncertainty associated with the land cover classification in combination with DGVM results. The text is well written and scientifically sound. I thus support the publication of this paper in GMD.

p2091, l20: Was fire frequence area area burnt prescribed as well by the remote sensing data sets, or calculated by the DGVM? Please clarify.

p2096, l6: Legend of Figure 9 has no a or b.

p2097, l8: Would a simulation with calculated dynamical PFT distribution fall within the range of the presented simulations with respect to global GPP and transpiration?

Figures: It is hard to see differenceies in Figure 2. and 3. with the uniform green colour. Additional colours would help. For Figure 3. a selection of 2-3 PFTs would be sufficient to highlight the most remarkable differenecies between the 4 different products.

Interactive comment on Geosci. Model Dev. Discuss., 4, 2081, 2011.