



## ***Interactive comment on “Carbon-nitrogen feedbacks in the UVic ESCM” by R. Wania et al.***

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In the reply to reviewer #2 (Geosci. Model Dev. Discuss., 5, C182–C198, 2012), page C188, we claimed erroneously that Zaehle et al. (2010) and Yang et al. (2009) used the equation by Cleveland et al. (1999) in a **transient** way, which is not correct. Zaehle et al. (2010) used a climatology to calculate mean biological fixation over 30 years.

### **References**

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Discussion Paper



X. J. Yang, V. Wittig, A. K. Jain, and W. Post. Integration of nitrogen cycle dynamics into the integrated science assessment model for the study of terrestrial ecosystem responses to global change. *Global Biogeochem. Cy.*, 23(1):121–149, Dec 2009.

S. Zaehle, A. D. Friend, P. Friedlingstein, F. Dentener, P. Peylin, and M. Schulz. Carbon and nitrogen cycle dynamics in the O-CN land surface model: 2. Role of the nitrogen cycle in the historical terrestrial carbon balance. *Global Biogeochem. Cy.*, 24(GB1006), 2010. doi:10.1029/2009GB003522.

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