Selected Publications


Keller, D. P. et al. (in prep): Is Anthropogenic Climate Change Reversible? The Earth system response to a massive CO2 increase then decrease (emissions followed by negative emissions). *Earth Syst. Dynam.*


Friedlingstein, P., I. Fung, E. Holland, J. John, G. Brasseur, D. Erickson and D. Schimel: On the
intercomparison: Results from the C4MIP Model
Doney, S. C., K. Lindsay, I. Fung and J. John: Natural Variability in a Stable, 1000-Year Global Coupled
interannual variability of regional CO2 fluxes, 1988-2003, Global Biogeochem. Cycles, 20, GB1002,
Bonfils, C., I. Fung, S. Doney and J. John: On the detection of summertime terrestrial photosynthetic
variability from its atmospheric signature, Geophys. Res. Lett., 31, L09207,
Gurney, K. R., R. M. Law and TransCom3 modellers: Transcom3 inversion intercomparison: Model mean
results for the estimation of seasonal carbon sources and sinks, Global Biogeochem. Cycles, 18,
Maksyutov, S., and Transcom-3 Modelers: Effect of recent observations on Asian CO2 flux estimates by
intercomparison: 2. Sensitivity of annual mean results to data choices, Tellus B, 55: 580-595. doi:
Gurney, K. R., et al.: TransCom3 CO2 inversion intercomparison: 1. Annual mean control results and
Gurney, K. R., R. M. Law and TransCom3 modellers: Towards robust regional estimates of CO2 sources
Fung, I., C. B. Field, J. A. Berry, M. V. Thompson, J. T. Randerson, C. M. Malmstrom, P. M. Vitousek,
exchanges between the atmosphere and biosphere, Global Biogeochem. Cycles, 11, 507-533,
1997.
Friedlingstein, P., I. Fung, E. Holland, J. John, G. Brasseur, D. Erickson and D. Schimel: On the
contribution of CO2 fertilization to the missing biospheric sink, Global Biogeochem. Cycles, 9,
541-556, 1995.
Bouwman, A. F., I. Fung, E. Matthews and J. John: Global analysis of the potential for N2O production
Matthews, E., J. John and I. Fung: Rice Cultivation and Methane Emission, Documentation of Distributed
Fung, I., J. John, J. Lerner, E. Matthews, M. Prather, L. P. Steele and P. J. Fraser: Threedimensional
model synthesis of the global methane cycle, J. Geophys. Res., 96, 13033-13065,
Fung, I. and J. John: Interannual and longer-term changes of the terrestrial biosphere and their
relationships to atmospheric CO2 variations. In: Proceedings of Third International Conference on
Analysis and Evaluation of Atmospheric CO2 Data Present and Past, Environmental Pollution