This is a nice synthesis. A persistent problem with evaluating biogas fluxes is the lack of temporal rather than spatial coverage. Such information is often more useful for model validation than spatial coverage. Previous studies have demonstrated short term changes in pCO2 at scales of days or less (see references below). Yet, typically our understanding of this variability is limited to a few research cruises. I feel it is worth discussing this source of uncertainty.


Interactive comment on Biogeosciences Discuss., 10, 5041, 2013.