



Figure 2-S12. FAO vs. Xu Replacement Diet.

(A) Projected annual emissions of  $CO_2$ ,  $CH_4$  and  $N_2O$  for each scenarios. (B) Projected atmospheric concentrations of  $CO_2$ ,  $CH_4$  and  $N_2O$  under each emission scenario. (C) Radiative Forcing (RF) inferred from atmospheric concentrations in (B) by formula of (Myhre et al., 1998; Ramaswamy et al., 2001) as modified in MAGICC6 (Meinshausen et al., 2011). Only differences between PHASE-POD default assumptions (15yr phaseout, 30yr carbon recovery, 100% carbon recovery, BAU non-agriculture emissions, FAO crop replacement, and FAO animal ag emissions) are given.