## ESTIMATED PRODUCTION AND PROCESSING (A) estimated global pork consumption $E_{pork} \approx 0.05 \cdot E_{day} \approx 100 \text{ kcal} \cdot day^{-1}$ $p_{pork} \approx 2 \text{ kcal} \cdot g^{-1}$ $m_{pork} \approx \frac{100 \text{ kcal}}{day} \cdot \frac{1 \text{ kg pork}}{2000 \text{ kcal}} \cdot \frac{365 \text{ days}}{1 \text{ year}} \cdot 7 \cdot 10^9 \text{ people}$ $\approx 115 \pm 5 \text{ Mt·year}^{-1}$

(B) total processed swine population  $m_{pork} \sim 10^{10} \text{ kg} \cdot \text{year}^{-1}$   $m_{edible} \approx 75 \text{ kg} \cdot \text{pig}^{-1}$ 

 $\frac{10^{10} \text{ kg}}{\text{year}} \cdot \frac{1 \text{ pig}}{75 \text{ kg}} \sim 2 \cdot 10^9 \text{ pigs} \cdot \text{year}^{-1}$ 

global processed swine population

 $\approx 15 \pm 5 \cdot 10^8 \, \text{pigs} \cdot \text{year}^{-1}$