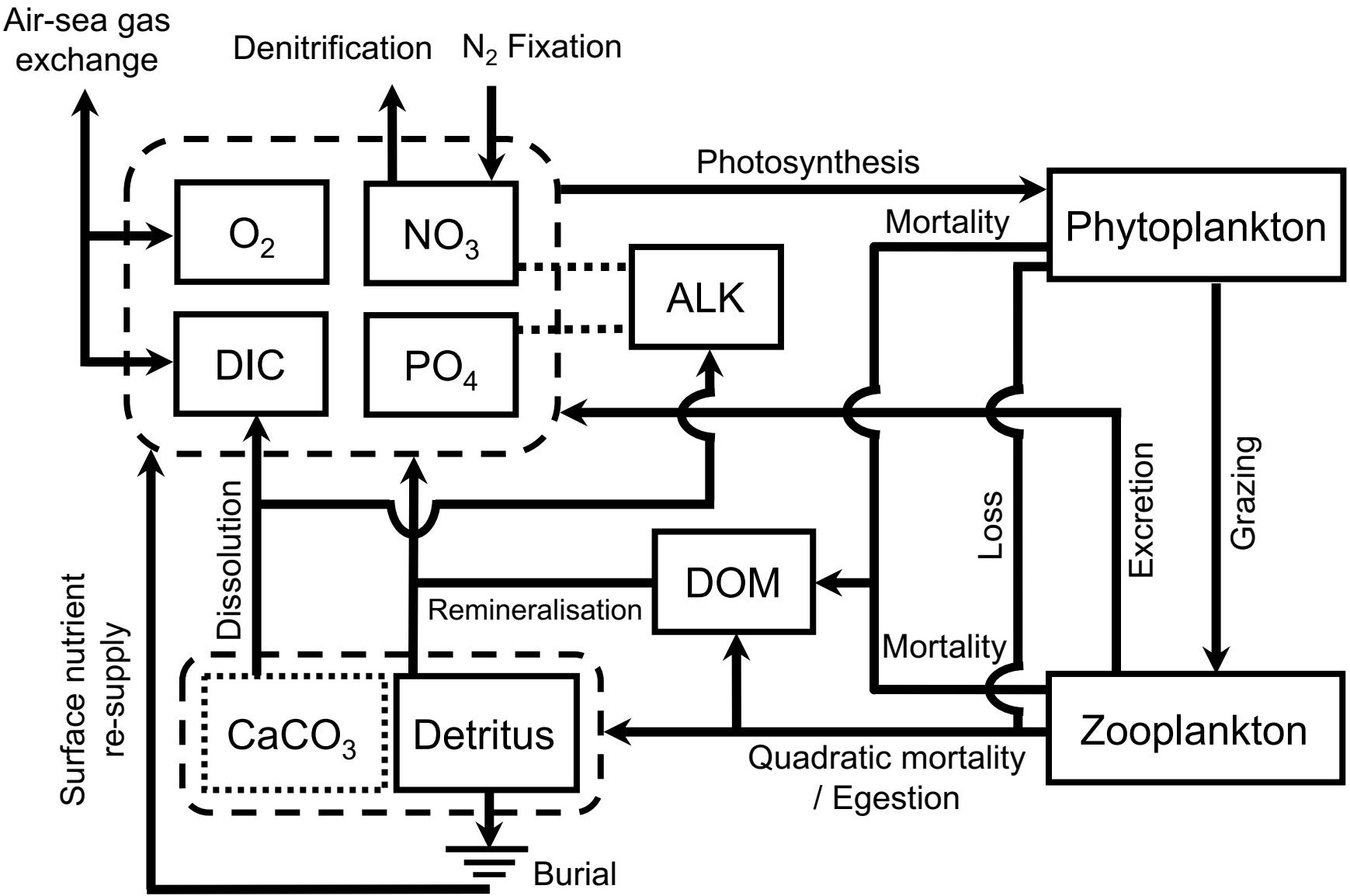
Air-sea gas exchange
Denitrification
N_2 Fixation
Photosynthesis
O_2
NO_3
Mortality
Phytoplankton
ALK
DIC
PO_4
Dissolution
Loss
Excretion
Grazing
DOM
Remineralisation
Mortality
Surface nutrient re-supply
$CaCO_3$
Detritus
Zooplankton
Quadratic mortality / Egestion
Burial