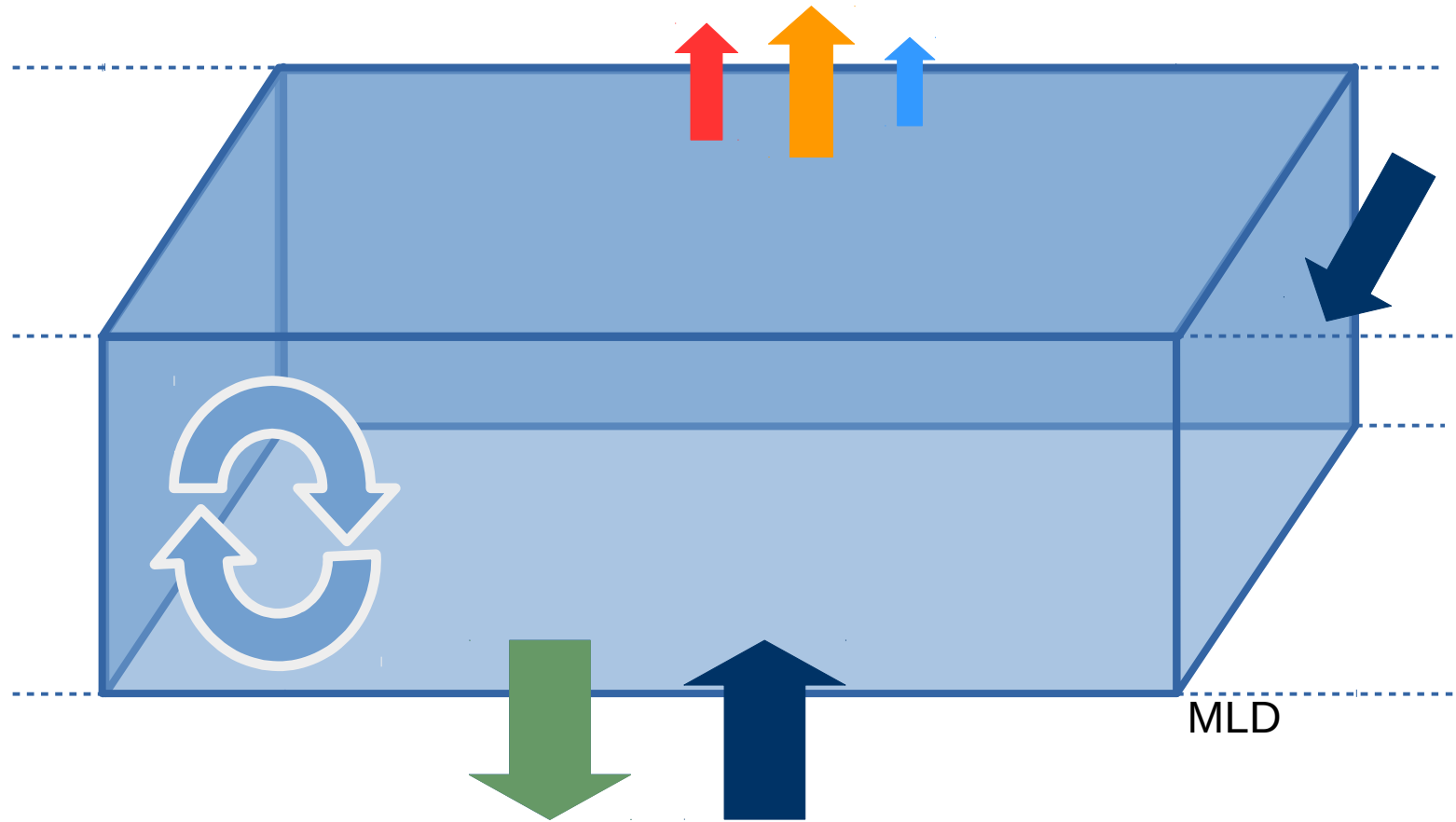


$$\text{CO}_2 \text{ flux} = \text{heatflux} + \text{freshwater} + \text{biology} + \text{residual circulation}$$



$$\text{CO}_2 \text{ flux} = \text{thermal} + \text{freshwater} + \text{biology} + \text{residual circulation}$$