

## Carbon Storage

$x_{cs}$  is the status of the carbon storage goal

$$x_{cs} = \left( \sum_{k=1}^N (h_k \times w_k \times A_k) \right) \left( \sum_{k=w}^N (w_k \times A_k) \right)^{-1}$$

$$h = \frac{C_c}{C_r}$$

$h$  is a measure of carbon-storing habitat's condition with respect to its reference condition

$C_c$  is the current health of carbon-storing habitat  $k$  (mangrove, saltmarsh, seagrass)

$C_r$  is the reference condition of habitat  $k$

$w$  is the rank weight of the habitat's contribution to total carbon storage (Laffoley & Grimsditch)

$A$  is the area within a region for each  $k$  habitat type