Carbon Storage

Measures the condition of coastal habitats that store and sequester atmospheric carbon.

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