

The conservation status of native marine species.

$x_{spp}$  is the status of the species biodiversity sub-goal

$$x_{spp} = \max \left( \frac{\bar{R}_{spp} - 0.25}{0.75}, 0 \right)$$

$$\bar{R}_{spp} = \left( \sum_{c=1}^M \left( \sum_{i=1}^{N_c} w_i \right) \times A_c \right) \left( \sum_{c=1}^M A_c \times N_c \right)^{-1}$$

$\bar{R}_{spp}$  region's area-weighted mean of species risk, with floor at 25% representing catastrophic loss of biodiversity

$\sum_{c=1}^M A_c \times N_c$  is the species count-weighted area across all cells in the region

$N$  is the number of species ( $N_c$  is number species in cell  $c$ )

$M$  is number of gridded cells the region's area contains

$c$  a 0.5 degree grid cell within a region

$w_i$  the risk status for each species  $i$ , assigned based on IUCN threat category

$A_c$  area of cell  $c$