

Food Provision: Mariculture

x_{mar} is the status of the mariculture food provision sub-goal

$$x_{mar} = \frac{Y_c}{Y_{c, ref}}$$

$$Y_c = \left(\sum_{k=1}^N Y_k \times S_{k,r} \right) \left(\frac{1}{P_r} \right)$$

Y_c is the current sustainably-harvested yield within each country, per person within 25 miles of the region's coast

Y_k is the 4-year moving average of tonnes of production for each k mariculture species currently or at one time cultured within a country

$S_{k,r}$ is the sustainability score for each k mariculture species and region

P_r is the population within 25 miles of the region's coast

$Y_{c, ref}$ is the Y_c value that corresponds to the 95th quantile across all regions and years

N is the number of harvested mariculture species k