

## Livelihoods & Economies: Livelihoods

$x_{liv}$  is the status of the livelihoods sub-goal

$$x_{liv} = \left(\frac{1}{2}\right) \left( \frac{\sum_1^k j_{c,k}}{\sum_1^k j_{r,k}} + \frac{\sum_1^k w_{m,k}}{\sum_1^k w_{r,k}} \right)$$

$j_{c, k}$  is the adjusted number of direct and indirect jobs in sector  $k$  within a region at current  $c$  time point

$j_{r, k}$  is the adjusted number of direct and indirect jobs in sector  $k$  within a region at reference  $r$  time point

$w_{m, k}$  is the average PPP–adjusted wages per job in the sector  $k$  within a region at current  $c$  time point

$w_{r, k}$  is the average PPP–adjusted wages per job in the sector  $k$  within a region at reference  $r$  time point

$w_r$  the reference value for wages was the highest value observed across all regions

$k$  sectors include tourism, commercial fishing, marine mammal watching, aquarium fishing,

wave & renewable energy, mariculture, transport. & shipping, ports & harbors, ship & boat-building