Coastal and ocean-dependent livelihoods (job quantity and quality) produced by marine sectors.

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

$$x_{liv} = \left(\frac{1}{2}\right)\left(\frac{\Sigma_1^k j_{c,k}}{\Sigma_1^k j_{r,k}} + \frac{\Sigma_1^k w_{m,k}}{\Sigma_1^k w_{r,k}}\right)$$

$j_{c,\,k}$ 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