$$F_S(j)_{k \to l} = \frac{\int_{t=k-j \text{ ou } t=0}^{l-j} a_{co_2} * C_{co_2}(t) dt}{\int_{t=0}^{100} a_{co_2} * C_{co_2}(t) dt}$$

Where:

Fs(j) $_{k\rightarrow l}$ = Radiative effect of the sequestration of one tonne of CO₂ on radiative forcing during a reporting period from k to I (k \rightarrow I) as a fraction of the radiative effect of the same quantity of CO₂ over 100 years;

 a_{CO2} = Instantaneous radiative forcing by unit mass of a CO_2 flow present in the atmosphere, the value of variable a_{CO2} being 5.35 W m⁻² kg⁻¹;

 C_{CO2} (t) = Atmospheric mass loading of a GHG CO_2 -type or residual fraction of a type x GHG flow as a function of period t;

j = Year of carbon sequestration—by default the year begins at 0 with the planting of seedlings or sowing of seeds;

k = Start of reporting period;

I = End of reporting period;

t = Period of time from the start of the GHG flow to the end of the reporting period (sequestration) or 100 years (emission).