

# Carbon Storage in Forests of

$$\begin{aligned}
 & \left( \text{Land area of interest (km}^2\text{)} \right) \times \left( \text{\% forested area} \right) = \left( \text{Forest Area (km}^2\text{)} \right) \\
 & \left( \text{Forest Area (km}^2\text{)} \right) \times \left( \text{Conversion to meters (m)} \right) = \left( \text{Plot forest Carbon (gc/m}^2\text{)} \right) \\
 & \left( \text{Plot forest Carbon (gc/m}^2\text{)} \right) \times \left( \text{From field measurements} \right) = \left( \text{Forest Carbon in Region of interest (gc)} \right)
 \end{aligned}$$

$$\left( \text{Conversion to Petagrams (Pg)} \right) = \frac{1 \text{ Pg}}{1 \times 10^{15} \text{ g}} = \text{Pg C in Forests of } \underline{\hspace{2cm}}$$

# Carbon Stored in the Global Human Population

$$\begin{aligned}
 & \left( \text{Average Human Mass (lbs)} \right) \times \left( \text{Conversion to kilograms (kg)} \right) = \left( \text{Human Fresh Mass (kg)} \right) \\
 & \left( \text{Human Fresh Mass (kg)} \right) \times \left( \text{Average \% water} \right) = \left( \text{Human Dry Mass (kg)} \right) \\
 & \left( \text{Human Dry Mass (kg)} \right) \times \left( \text{Average \% Carbon} \right) = \left( \text{Carbon in 1 human (kg)} \right)
 \end{aligned}$$

$$\left( \text{World Population} \right) \times \left( \text{Conversion to Petagrams (Pg)} \right) = \text{Pg C in the global population}$$