The linear relationship between Soil warming (°C) and SOC stock (t C ha\(^{-1}\)) can be described by the equation:

\[ y = -3x + 33 \]

with a coefficient of determination \( R^2 = 0.28 \) and a significance level of \( P < 0.001 \).

For the Topsoil layer, the relationship was determined as:

\[ y = -3x + 33 \]

and for the Subsoil layer:

\[ y = 0 \]

with a significance level of \( P = 0.65 \).