Position of the measurement site at the surface at year N
Measurement site, year N+i
Accumulation stake (year N)
Horizontal velocity
Surface year N
Surface year N+i
$U_s \frac{\partial S}{\partial x} + V_s \frac{\partial S}{\partial y}$
Flow line
Buried horizon of the surface in year N at the date N+i
ΔS
V_{sub} from GPR or drilling cores
W_s
Accumulation stake (year N+i)
Distance taken into account in the integrated calculation of the submergence velocity by the GPR method described in our study