The diagrams illustrate the spatial evolution of a variable $u$ over time, with $x$ representing distance in kilometers ($\text{km}$) and $u$ measured in meters per annum ($\text{m a}^{-1}$). The graphs for different times ($t=1\text{a}$ and $t=35\text{a}$) show the distribution of $u$ across the spatial range from 300 to 500 km, with shaded areas indicating variability or uncertainty.