Susceptibles compartments, E₀=0.698 $R_0 = 3.6$ $B_1 = 3$ 0.8 $B_{2} = 7$ SC[t], SH[t], SA[t] β =0.4 γ =0.11 $k_1 = 0.1$ $k_2 = 3.5$ λ_1 =0.03 λ_2 =0.5 0.2 0 100 200 400 0 300 500 t[days]

SH

-SC

-SA - - Total S