SEIR model ( $\beta_0$ =0.20,  $\beta_1$ =0.00,  $\omega$ =0.90,  $\gamma$ =0.07,  $\mu$ =3.42e-05,  $\sigma$ =0.33,  $R_0$ =2.80) Susceptible 1.0 -Exposed Infected Recovered 0.8 fraction of population 0.6 -0.4 -0.2 -0.0 -20 40 80 60 0 day