$$U_i = y(1 - f_p) - (\bar{u} - u_i)\left(\tilde{w}_i + \tilde{w}_i^T(y_p)\right)$$

$$\dot{y} = y(1 - y) - y\sum u_i + \frac{f_p}{1 - f_p}m(y_p - y)$$

$$\dot{y}_p = y_p(1 - y_p) + \frac{f_p}{1 - f_p}m(y_p - y)$$

$$\text{incentives} = \gamma_i = \frac{w_i + w_i^T(y_p)}{1 - f_p}$$

$$\text{impact} = \mu_i = \frac{q_i\bar{e}_i}{r + m(y_p, y)}$$

$$f_p = \text{fraction protected area}$$

$$w_i^T(y_p) = \text{tourism benefits}$$

$$m(y_p, y) = \text{spillover effect}$$