

## Phase

*Initialization*

Initialize fish  
 $R_0$  by site

Initialize SSL  
abundance

*SSL-Prey*

SSL-Prey Dynamics  
without fishing



150  
Years

*SSL-Prey-Fleet  
(No survey)*

SSL-Prey-Fleet  
Dynamics



25  
Years

*SSL-Prey-Fleet  
(Survey)*

SSL-Prey-Fleet  
Dynamics



20  
Years

*Analysis*

Analyze SSL-  
fishery relation

